



The *bidi Package*

Source documentation for version 40.1

to my Master, *Ferdowsi The Great*

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please use the issue tracker:

<https://github.com/xepersian/bidi/issues>

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

You may also have conversations, ask questions and post answers without opening issues using the Discussions space:

<https://github.com/xepersian/bidi/discussions>

The announcements for the new releases of the package will also appear in the Discussions space under the Announcements category.

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The *bid* Package

Bidirectional typesetting in plain $\text{T}_{\text{E}}\text{X}$ and $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$,
using $\text{X}_{\text{e}}\text{T}_{\text{E}}\text{X}$ engine

Source documentation for [version 40.1](#)

Vafa Khalighi*

December 10, 2024

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*Thanks to the `bid`-tex GitHub organization consisted of David Carlisle and other members of the $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$ team for maintaining the package in the period 2018–2020.

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1 File amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2017/08/09 v1.1 bidi adaptations for amsart class for
2 \def\@tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\advspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else
13    \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17    \endgroup
18  \fi}
19 \renewcommand\thesubsection    {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4\p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern1\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31   \hrule\@width 5pc\kern1\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35   \insert\footins{%
36     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37     \reset@font%
38     \bidi@footnotetext@font% \normalfont\footnotesize
39     \interlinepenalty\interfootnotelinepenalty
40     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41     \floatingpenalty\@MM \hsize\columnwidth
42     \@parboxrestore \parindent\normalparindent \sloppy
43     \protected@edef\@currentlabel{%
44       \csname p@footnote\endcsname\@thefnmark}%
45     \@makefntext{%
46       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}}
47
48 \long\def\@RTLfootnotetext#1{%
49   \insert\footins{%
50     \@RTLtrue%
51     \reset@font%
52     \bidi@RTLfootnotetext@font% \normalfont\footnotesize
```



```

53 \interlinepenalty\interfootnotelinepenalty
54 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
55 \floatingpenalty\@MM \hsize\columnwidth
56 \@parboxrestore \parindent\normalparindent \sloppy
57 \protected@edef\@currentlabel{%
58   \csname p@footnote\endcsname\@thefnmark}%
59 \@makefntext{%
60   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
61
62
63
64 \long\def\@LTRfootnotetext#1{%
65   \insert\footins{%
66     \RTLfalse%
67     \reset@font%
68     \bidi@LTRfootnotetext@font% \normalfont\footnotesize
69     \interlinepenalty\interfootnotelinepenalty
70     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
71     \floatingpenalty\@MM \hsize\columnwidth
72     \@parboxrestore \parindent\normalparindent \sloppy
73     \protected@edef\@currentlabel{%
74       \csname p@footnote\endcsname\@thefnmark}%
75     \@makefntext{%
76       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84   \@bibtitlestyle
85   \normalfont\bibliofont\labelsep .5em\relax
86   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
87   \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
88   \bidi@thebibliography@font@hook%
89   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90     \leftmargin\labelwidth \advance\leftmargin\labelsep
91     \usecounter{enumiv}}%
92   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93   \sfcode\.\@m
94 }{%
95   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96   \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
99   \columnseprule\z@ \columnsep 35\p@
100   \@indextitlestyle
101   \thispagestyle{plain}%
102   \let\item\@idxitem
103   \parindent\z@ \parskip\z@\@plus.3\p@\relax
104   \ifRTL\raggedleft\else\raggedright\fi
105   \hyphenpenalty\@M
106   \footnotesize}

```



```

107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111   \@topnum\z@ % this prevents figures from falling at the top of page 1
112   \@setcopyright
113   \thispagestyle{firstpage}% this sets first page specifications
114   \uppercase\nonmath\shorttitle
115   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116   \else \andify\shortauthors
117   \fi
118   \@maketitle@hook
119   \begingroup
120   \@maketitle
121   \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
122   \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123   \edef\@tempa{%
124     \@nx\markboth{\the\toks4
125       \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126   \@tempa
127   \endgroup
128   \c@footnote\z@
129   \@cleartopmattertags
130 }

```

2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol]
132 \def\adjmulticols#1#2#3{\col@number#1\relax
133   \def\@tempa{#2}%
134   \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
135   \def\@tempa{#3}%
136   \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
137   \ifnum\col@number<\@ne
138     \PackageWarning{adjmulticol}%
139       {Using '\number\col@number'
140        columns doesn't seem a good idea.^^J
141        I therefore use one columns instead}%
142     \col@number\@ne\fi
143   \ifnum\col@number>10
144     \PackageError{adjmulticol}%
145       {Too many columns}%
146       {Current implementation doesn't
147        support more than 10 columns.%
148       \MessageBreak
149       I therefore use 10 columns instead}%
150     \col@number10 \fi
151   \ifx\@footnotetext\mult@footnotetext\else
152     \let\orig@footnotetext\@footnotetext
153     \let\@footnotetext\mult@footnotetext
154   \fi
155   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
156     \let\orig@LTRfootnotetext\@LTRfootnotetext
157     \let\@LTRfootnotetext\mult@LTRfootnotetext

```




```

158 \fi
159 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
160 \let\orig@RTLfootnotetext\@RTLfootnotetext
161 \let\@RTLfootnotetext\mult@RTLfootnotetext
162 \fi
163 \@ifnextchar[\@ajmult@cols{\@ajmult@cols[]}]
164 \let\@ajmc@page@sofar@orig=\page@sofar

```

3 File algorithm2e-xetex-bidi.def

```

165 \ProvidesFile{algorithm2e-xetex-bidi.def}[2018/09/23 v0.2 bidi adaptations for algorithm2e
166 \expandafter\ifx\c@algotcf@within\endcsname\relax% if \algotcf@within doesn't exist
167 \else%
168 \renewcommand\thealgotcf{\c@algotcf@within\endcsname\@SepMark\@arabic\c@algotcf}%
169 \fi
170 \@ifpackageloaded{color}{}{%
171 \bidi@patchcmd{\@algotcf@start}{\bgroup}{%
172 \bgroup
173 \if@RTL
174 \beginR
175 \else
176 \beginL
177 \fi
178 }{}{}
179 \bidi@patchcmd{\@algotcf@finish}{\egroup\end{lrbox}}{%
180 \if@RTL
181 \endR
182 \else
183 \endL
184 \fi
185 \egroup
186 \end{lrbox}}%
187 }{}{}
188 \bidi@patchcmd{\algotcf@makecaption}{\hbox}{%
189 \if@RTL
190 \hboxR
191 \else
192 \hboxL
193 \fi
194 }{}{}
195 }

```

4 File amsbook-xetex-bidi.def

```

196 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class fo
197 \def\@tocline#1#2#3#4#5#6#7{\relax
198 \ifnum #1>\c@tocdepth % then omit
199 \else
200 \par \addpenalty\@secpenalty\addvspace{#2}%
201 \begingroup \hyphenpenalty\@M
202 \@ifempty{#4}{%
203 \@tempdima\c@tocindent\number#1\endcsname\relax
204 }{%
205 \@tempdima#4\relax

```



```

206 }%
207 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else
208 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
209 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
210 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
211 \nobreak
212 \endgroup
213 \fi}
214 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
215 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
216 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
217 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
218 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
219 \columnseprule\z@ \columnsep 35\p@
220 \@indextitlestyle
221 \thispagestyle{plain}%
222 \let\item\@idxitem
223 \parindent\z@ \parskip\z@\@plus.3\p@\relax
224 \if@RTL\raggedleft\else\raggedright\fi
225 \hyphenpenalty\@M
226 \footnotesize}
227 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
228 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
229 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
230 \def\right@footnoterule{%
231 \kern-.4\p@
232 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
233 \kern1\p@\kern-\footnotesep}
234 \def\left@footnoterule{\kern-.4\p@
235 \hrule\@width 5pc\kern1\p@\kern-\footnotesep}
236
237 \long\def\@footnotetext#1{%
238 \insert\footins{%
239 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
240 \reset@font%
241 \bidi@footnotetext@font% \normalfont\footnotesize
242 \interlinepenalty\interfootnotelinepenalty
243 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
244 \floatingpenalty\@MM \hsize\columnwidth
245 \@parboxrestore \parindent\normalparindent \sloppy
246 \protected@edef\@currentlabel{%
247 \csname p@footnote\endcsname\@thefnmark}%
248 \@makefnmark%
249 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
250
251 \long\def\@RTLfootnotetext#1{%
252 \insert\footins{%
253 \@RTLtrue%
254 \reset@font%
255 \bidi@RTLfootnotetext@font% \normalfont\footnotesize
256 \interlinepenalty\interfootnotelinepenalty
257 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258 \floatingpenalty\@MM \hsize\columnwidth
259 \@parboxrestore \parindent\normalparindent \sloppy

```



```

260 \protected@edef\@currentlabel{%
261 \csname p@footnote\endcsname\@thefnmark}%
262 \@makefntext{%
263 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
264
265
266 \long\def\@LTRfootnotetext#1{%
267 \insert\footins{%
268 \@RTLfalse%
269 \reset@font%
270 \bidi@LTRfootnotetext@font% \normalfont\footnotesize
271 \interlinepenalty\interfootnotelinepenalty
272 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
273 \floatingpenalty\MM \hsize\columnwidth
274 \parboxrestore \parindent\normalparindent \sloppy
275 \protected@edef\@currentlabel{%
276 \csname p@footnote\endcsname\@thefnmark}%
277 \@makefntext{%
278 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
279
280
281
282 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
283 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
284 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
285
286 \renewenvironment{thebibliography}[1]{%
287 \@bibtitlestyle
288 \normalfont\bibliofont\labelsep .5em\relax
289 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
290 \ifRTL\ifLTRbibitens\@RTLfalse\else\fi\else\ifRTLbibitens\@RTLtrue\else\fi\fi
291 \bidi@thebibliography@font@hook%
292 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
293 \leftmargin\labelwidth \advance\leftmargin\labelsep
294 \usecounter{enumiv}}%
295 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
296 \sfcode\.\=@m
297 }{%
298 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
299 \endlist
300 }
301 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
302 \begingroup
303 \fontsize{\@xivpt}{18}\bfseries\centering
304 \ifnum\c@secnumdepth>\m@ne
305 \leavevmode \hskip-\ifRTL\rightskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\exp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\ifRTL\rightskip\else\leftskip\fi\fi
310 #1\par \endgroup
311 \skip@34\p@ \advance\skip@-\normalbaselineskip
312 \vskip\skip@ }
313 \def\maketitle{\par

```



```

314 \@topnum\z@ % this prevents figures from falling at the top of page 1
315 \begingroup
316 \@maketitle
317 \endgroup
318 \c@footnote\z@
319 \def\do##1{\let##1\relax}%
320 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
321 \do\author \do\@xauthor \do\address \do\@xaddress
322 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
323 \do\dedicatory \do\@dedicatory \do\thanks \do\@thankses
324 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
325 }

```

5 File amsmath-xetex-bidi.def

```

326 \ProvidesFile{amsmath-xetex-bidi.def}[2020/05/16 v1.2 bidi adaptations for amsmath package]
327 \let\veqno=\eqno
328 \iftagsleft@ \let\veqno=\leqno \fi
329 \renewcommand{\numberwithin}[3][\arabic]{%
330   \@ifundefined{c@#2}{\@nocounterr{#2}}{%
331     \@ifundefined{c@#3}{\@nocnterr{#3}}{%
332       \@addtoreset{#2}{#3}%
333       \xp\xdef\csname the#2\endcsname{%
334         \xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
335 }
336 \def\tagform@#1{\maketag@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italic
337
338 \bidi@patchcmd\math@cr@@@align\place@tag{%
339   \place@tag
340   \else
341   \place@tag
342 }-{}
343

```

6 File amstext-xetex-bidi.def

```

344 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package]
345 \def\textdef@#1#2#3{\hbox{%
346   \everymath{#1}%
347   \let\fontsize#2\selectfont
348   \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}

```

7 File amsthm-xetex-bidi.def

```

349 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for]
350 \def\@thmcountersep{\@SepMark}

```

8 File array-xetex-bidi.def

```

351 \ProvidesFile{array-xetex-bidi.def}[2024/12/10 v0.5 bidi adaptations for array package for]
352 \def\@testpach{\@chclass
353 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
354 \ifnum \@lastchclass=7 5 \else
355 \ifnum \@lastchclass=8 \tw@ \else

```



```

356 \ifnum \@lastchclass=9 \thr@@
357 \else \z@
358 \ifnum \@lastchclass = 10 \else
359 \edef\@nextchar{\expandafter\string\@nextchar}%
360 \@chnum
361 \if \@nextchar c\z@ \else
362 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
363 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
364 \z@ \@chclass
365 \if \@nextchar |\@ne \else
366 \if \@nextchar !6 \else
367 \if \@nextchar @7 \else
368 \if \@nextchar <8 \else
369 \if \@nextchar >9 \else
370 10
371 \@chnum
372 \if \@nextchar m\thr@@ \else
373 \if \@nextchar p4 \else
374 \if \@nextchar b5 \else
375 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
376 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
377 \def\@tabular{%
378 \leavevmode
379 \hbox \bgroup\if@RTLtab\beginR \fi
380 \UseTaggingSocket{tbl/hmode/begin}%
381 $\col@sep\tabcolsep \let\d@llarbegin\beginR
382 \let\d@llarend\endR
383 \@tabarray}
384 \def\endtabular{\endarray\m@th $
385 \UseTaggingSocket{tbl/hmode/end}%
386 \if@RTLtab\endR\fi\egroup
387 }
388 \expandafter\let\csname endtabular*\endcsname=\endtabular
389 \ExplSyntaxOn
390 \def\@array[#1]#2{
391 \@tempdima \ht \strutbox
392 \advance \@tempdima by\extrarowheight
393 \setbox \@arstrutbox \hbox{\vrule
394 \@height \arraystretch \@tempdima
395 \@depth \arraystretch \dp \strutbox
396 \@width \z@}%
397 \tbl_save_outer_table_cols:
398 \beginR
399 \mkpream{#2}%
400 \tbl_count_table_cols:
401 \xdef\@preamble{
402 \noexpand \ar@ialign
403 \@halignto
404 \bgroup \@arstrut
405 \UseTaggingSocket{tbl/row/begin}
406 \tbl_init_cell_data_for_row:
407 \@preamble
408 \tabskip \z@ \cr}
409 \endR

```



```

410 \@arrayleft
411 \if #1t\top \else \if#1b\ vbox \else \vcenter \fi \fi
412 \bgroup
413 \let \@sharp ##\let \protect \relax
414 \lineskip \z@
415 \baselineskip \z@
416 \mathsurround \z@
417 \let\\\@arraycr \let\ tabularnewline\\\let\par\@empty
418 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
419 \UseTaggingSocket{tbl/init}
420 \@preamble
421 }
422 \ExplSyntaxOff
423 \let\@array\array
424 \ExplSyntaxOn
425 \def\endarray {
426 \tbl_crcr:n{endarray} \egroup
427 \UseTaggingSocket{tbl/finalize}
428 \tbl_restore_outer_cell_data:
429 \if@RTLtab\egroup\endR\egroup\fi
430 \egroup
431 \@arrayright \gdef\@preamble{}%
432 }
433 \ExplSyntaxOff
434 \def\array{\col@sep\arraycolsep
435 \def\d@llarbegin{${}\let\d@llarend\d@llarbegin\def\@halignto{}}%
436 \@RTLtabfalse\@tabarray}

```

9 File article-xetex-bidi.def

```

437 \ProvidesFile{article-xetex-bidi.def}[2024/12/07 v0.7 bidi adaptations for standard article
438 \if@titlepage
439 \renewcommand\maketitle{\begin{titlepage}%
440 \let\footnotesize\small
441 \let\right@footnoterule\relax
442 \let\left@footnoterule\relax
443 \let\textwidth@footnoterule\relax
444 \let \footnote \thanks
445 \let \LTRfootnote \LTRthanks
446 \let \RTLfootnote \RTLthanks
447 \null\vfil
448 \vskip 60\p@
449 \begin{center}%
450 {\LARGE \@title \par}%
451 \vskip 3em%
452 {\large
453 \lineskip .75em%
454 \begin{tabular}[t]{c}%
455 \@author
456 \end{tabular}\par}%
457 \vskip 1.5em%
458 {\large \@date \par}% % Set date in \large size.
459 \end{center}\par
460 \@thanks

```



```

461 \vfil\null
462 \end{titlepage}%
463 \setcounter{footnote}{0}%
464 \global\let\thanks\relax
465 \global\let\LTRthanks\relax
466 \global\let\RTLthanks\relax
467 \global\let\maketitle\relax
468 \global\let\@thanks\@empty
469 \global\let\@author\@empty
470 \global\let\@date\@empty
471 \global\let\@title\@empty
472 \global\let\title\relax
473 \global\let\author\relax
474 \global\let\date\relax
475 \global\let\and\relax
476 }
477 \else
478 \renewcommand\maketitle{\par
479 \begingroup
480 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
481 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
482 \long\def\@makefntext##1{\parindent 1em\noindent
483 \hb@xt@1.8em{%
484 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
485 \iftwocolumn
486 \ifnum \col@number=\@one
487 \@maketitle
488 \else
489 \twocolumn[\@maketitle]%
490 \fi
491 \else
492 \newpage
493 \global\@topnum\z@ % Prevents figures from going at top of page.
494 \@maketitle
495 \fi
496 \thispagestyle{plain}\@thanks
497 \endgroup
498 \setcounter{footnote}{0}%
499 \global\let\thanks\relax
500 \global\let\LTRthanks\relax
501 \global\let\RTLthanks\relax
502 \global\let\maketitle\relax
503 \global\let\@maketitle\relax
504 \global\let\@thanks\@empty
505 \global\let\@author\@empty
506 \global\let\@date\@empty
507 \global\let\@title\@empty
508 \global\let\title\relax
509 \global\let\author\relax
510 \global\let\date\relax
511 \global\let\and\relax
512 }
513 \def\@maketitle{%
514 \newpage

```



```

515 \null
516 \vskip 2em%
517 \begin{center}%
518 \let \footnote \thanks
519 \let \LTRfootnote \LTRthanks
520 \let \RTLfootnote \RTLthanks
521 {\LARGE \@title \par}%
522 \vskip 1.5em%
523 {\large
524 \lineskip .5em%
525 \begin{tabular}[t]{c}%
526 \author
527 \end{tabular}\par}%
528 \vskip 1em%
529 {\large \@date}%
530 \end{center}%
531 \par
532 \vskip 1.5em}
533 \fi
534 \renewcommand*\l@part[2]{%
535 \ifnum \c@tocdepth >-2\relax
536 \addpenalty\@secpenalty
537 \advvspace{2.25em \@plus\p@}%
538 \setlength\@tempdima{3em}%
539 \begingroup
540 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
541 \parfillskip -\@pnumwidth
542 {\leavevmode
543 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
544 \nobreak
545 \if@compatibility
546 \global\@nobreaktrue
547 \everypar{\global\@nobreakfalse\everypar{}}%
548 \fi
549 \endgroup
550 \fi}
551 \renewcommand*\l@section[2]{%
552 \ifnum \c@tocdepth >\z@
553 \addpenalty\@secpenalty
554 \advvspace{1.0em \@plus\p@}%
555 \setlength\@tempdima{1.5em}%
556 \begingroup
557 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
558 \parfillskip -\@pnumwidth
559 \leavevmode \bfseries
560 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
561 \hskip -\if@RTL\rightskip\else\leftskip\fi
562 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
563 \endgroup
564 \fi}
565 \renewcommand\left@footnoterule{%
566 \kern-3\p@
567 \hrule\@width.4\columnwidth
568 \kern2.6\p@}

```




```

569 \renewcommand\right@footnoterule{%
570   \kern-3\p@
571   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
572   \kern2.6\p@}
573 \renewcommand\thesubsection   {\thesection\@SepMark\@arabic\c@subsection}
574 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
575 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\@arabic\c@paragraph}
576 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
577 \def\@part[#1]#2{%
578   \ifnum \c@secnumdepth >\m@ne
579     \refstepcounter{part}%
580     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
581   \else
582     \addcontentsline{toc}{part}{#1}%
583   \fi
584   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
585    \interlinepenalty \@M
586    \normalfont
587    \ifnum \c@secnumdepth >\m@ne
588      \Large\bfseries \partname\nobreakspace\thepart
589      \par\nobreak
590    \fi
591    \huge \bfseries #2%
592    \markboth{}{\par}%
593    \nobreak
594    \vskip 3ex
595    \@afterheading}
596 \bidi@patchcmd\@spart\raggedright{%
597   \if@RTL\raggedleft\else\raggedright\fi
598 }{\bidi@warningnoline{Oops! patching `string\@spart' failed}}
599 \renewenvironment{thebibliography}[1]
600   {\section*{\refname}%
601    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
602    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
603    \bidi@thebibliography@font@hook%
604    \list{\@biblabel{\@arabic\c@enumiv}}%
605         {\settowidth\labelwidth{\@biblabel{#1}}%
606          \leftmargin\labelwidth
607          \advance\leftmargin\labelsep
608          \@openbib@code
609          \usecounter{enumiv}%
610          \let\p@enumiv\@empty
611          \renewcommand\theenumiv{\@arabic\c@enumiv}}%
612   \sloppy
613   \clubpenalty4000
614   \@clubpenalty \clubpenalty
615   \widowpenalty4000%
616   \sfcode`. \@m}
617   {\def\@noitemerr
618    {\@latex@warning{Empty `thebibliography' environment}}%
619   \endlist}
620 \renewenvironment{theindex}
621   {\if@twocolumn
622    \restonecolfalse

```



```

623         \else
624         \@restonecoltrue
625         \fi
626         \columnseprule \z@
627         \columnsep 35\p@
628         \twocolumn[\section*{\indexname}]%
629         \@mkboth{\MakeUppercase\indexname}%
630         {\MakeUppercase\indexname}%
631         \thispagestyle{plain}\parindent\z@
632         \parskip\z@ \@plus .3\p@\relax
633         \let\item\@idxitem}
634     {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

635 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class
636 \renewenvironment{theindex}{%
637     \if@twocolumn
638     \@restonecolfalse
639     \else
640     \@restonecoltrue
641     \fi
642     \columnseprule \z@
643     \columnsep 35\p@
644     \twocolumn[\section*{\indexname}]%
645     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
646     \thispagestyle{plain}\parindent\z@
647     \parskip\z@ \@plus .3\p@\relax
648     \let\item\@idxitem
649 }{%
650 \if@restonecol\onecolumn\else\clearpage\fi}
651 \renewcommand*{\head@style}{%
652     \interlinepenalty \@M
653     \hyphenpenalty=\@M \exhyphenpenalty=\@M
654     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
655 \if@titlepage
656 \renewenvironment{abstract}{%
657     \titlepage
658     \null\vfil
659     \section*{\SectFont\abstractname}
660     \noindent\ignorespaces}
661 {\par\vfil\null\endtitlepage}
662 \else
663 \renewenvironment{abstract}{%
664     \if@twocolumn
665     \section*{\abstractname}%
666     \else
667     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
668     \section*{\small\SectFont\abstractname}%
669     \noindent\ignorespaces
670     \fi}
671 {\if@twocolumn\else\par\egroup\fi}
672 \fi
673 \renewcommand*{\@regtocline[3]}{%

```



```

674 \ifnum #1>\c@tocdepth
675 \else
676 \vskip\z@\@plus.2\p@
677 {\hangindent\z@ \afterindenttrue \interlinepenalty\M
678 \if@RTL\righskip\else\leftskip\fi\unitindent
679 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
680 \parfillskip\z@
681 \@tempdima\unitindent
682 \parindent\z@
683 \leavevmode
684 \hbox{} \hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
685 \hskip 1em \nobreak{\slshape #3}\par
686 }%
687 \fi}
688 \if@oldtoc
689 \renewcommand*\l@part[2]{%
690 \ifnum \c@tocdepth >-2\relax
691 \addpenalty\@secpenalty
692 \addvspace{2.25em \@plus\p@}%
693 \begingroup
694 \setlength\@tempdima{3em}%
695 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
696 \parfillskip -\@pnumwidth
697 {\leavevmode
698 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
699 \nobreak
700 \if@compatibility
701 \global\@nobreaktrue
702 \everypar{\global\@nobreakfalse\everypar{}}%
703 \fi
704 \endgroup
705 \fi}
706 \else
707 \renewcommand*\l@part{%
708 \ifnum \c@tocdepth >-2\relax
709 \addpenalty\@secpenalty
710 \addvspace{2.25em \@plus \p@}%
711 \@regtocline{0}%
712 \fi}
713 \fi
714 \if@oldtoc
715 \renewcommand*\l@section[2]{%
716 \addpenalty\@secpenalty
717 \addvspace{1.0em \@plus\p@}%
718 \setlength\@tempdima{1.5em}%
719 \begingroup
720 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
721 \parfillskip -\@pnumwidth
722 \leavevmode \bfseries
723 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
724 \hskip -\if@RTL\righskip\else\leftskip\fi
725 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
726 \endgroup}
727 \else

```



```

728 \renewcommand*\l@section{\@regtocline{1}}
729 \fi
730 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
731 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
732 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
733 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
734 \renewenvironment{thebibliography}[1]
735   {\section*\refname}%
736   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
737   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
738   \bidi@thebibliography@font@hook%
739   \list{\@biblabel{\@arabic\c@enumiv}}%
740     {\settowidth\labelwidth{\@biblabel{#1}}%
741     \leftmargin\labelwidth
742     \advance\leftmargin\labelsep
743     \@openbib@code
744     \usecounter{enumiv}%
745     \let\p@enumiv\@empty
746     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
747   \sloppy\clubpenalty4000\widowpenalty4000%
748   \sfcode`. \.\@m}
749   {\def\@noitemerr
750     {\@latex@warning{Empty `thebibliography' environment}}%
751     \endlist}
752 \renewcommand*\left@footnoterule{%
753   \kern-3\p@
754   \kern.5\baselineskip
755   \hrule\@width\unitindent
756   \kern.4\baselineskip
757 }
758 \renewcommand*\right@footnoterule{%
759   \kern-3\p@
760   \kern.5\baselineskip
761   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
762   \kern.4\baselineskip}
763 \if@titlepage
764 \renewcommand*\TitleFont{\rmfamily}
765 \renewcommand*\maketitle{%
766   \begin{titlepage}%
767     \let\footnotesize\small
768     \let\right@footnoterule\relax
769     \let\left@footnoterule\relax
770     \let\textwidth@footnoterule\relax
771     \let \footnote \thanks
772     \long\def\@makefnmark#1{\parindent\z@
773       \def\labelitemi{\textendash}\@revlabeltrue
774       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax #1}
775 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
776 \if@compatibility\setcounter{page}{0}\fi
777 \null\vfil
778 \vskip 60\p@
779 \begin{center}%
780   \TitleFont
781   {\LARGE \def\{\penalty -\@M}

```



```

782     \if@allcaps
783     \expandafter\uc@nothanks \@title\thanks\relax
784     \else
785     \@title
786     \fi\par}%
787 \vskip 3em%
788 {\large
789 \lineskip .75em \parindent\z@
790 \begin{tabular}[t]{c}%
791     \if@allcaps
792     \expandafter\uc@authornothanks \@author\and\relax
793     \else
794     \@author
795     \fi
796     \end{tabular}\par}%
797 \vskip 1.5em%
798 {\large
799     \if@allcaps
800     \uppercase\expandafter{\@date}%
801     \else
802     \@date
803     \fi\par}%
804 \end{center}\par
805 \@thanks
806 \vfil\null
807 \end{titlepage}%
808 \setcounter{footnote}{0}%
809 \global\let\thanks\relax
810 \global\let\maketitle\relax
811 \global\let\@thanks\@empty
812 \global\let\@author\@empty
813 \global\let\@title\@empty
814 \global\let\@date\@empty
815 \global\let\title\relax
816 \global\let\author\relax
817 \global\let\date\relax
818 \global\let\and\relax
819 }
820 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
821 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
822     \futurelet\@tempa\uc@ax}
823 \def\uc@ax{%
824     \ifx\@tempa\relax
825     \else
826     \ \andname \ \ \expandafter\uc@authornothanks
827     \fi}
828 \def\uc@tx{\ifx\@tempa\relax
829     \else \expandafter\uc@ty \fi}
830 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
831 \else
832 \renewcommand*\maketitle{\par
833     \begingroup
834     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
835     \def\@makefnmark{\rlap{%

```



```

836     \@textsuperscript{\normalfont\@thefnmark}}}%
837 \long\def\@makefntext{\@xmakefntext{%
838     \@textsuperscript{\normalfont\@thefnmark}}}%
839 \if@twocolumn
840     \ifnum \col@number=\@ne
841         \@maketitle
842     \else
843         \twocolumn[\@maketitle]%
844     \fi
845 \else
846     \newpage
847     \global\@topnum\z@
848     \@maketitle
849 \fi
850 \thispagestyle{plain}\@thanks
851 \endgroup
852 \setcounter{footnote}{0}%
853 \global\let\thanks\relax
854 \global\let\maketitle\relax
855 \global\let\@maketitle\relax
856 \global\let\@thanks\@empty
857 \global\let\@author\@empty
858 \global\let\@title\@empty
859 \global\let\@date\@empty
860 \global\let\title\relax
861 \global\let\author\relax
862 \global\let\date\relax
863 \global\let\and\relax
864 }
865 \def\@maketitle{%
866     \newpage
867     \null
868     \vskip 2em%
869     \begin{center}%
870         \let \footnote \thanks
871         {\LARGE \TitleFont \@title \par}%
872         \vskip 1.5em%
873         {\large \TitleFont
874             \lineskip .5em%
875             \begin{tabular}[t]{c}%
876                 \@author
877             \end{tabular}\par}%
878         \vskip 1em%
879         {\large \TitleFont \@date}%
880     \end{center}%
881     \par
882     \vskip 1.5em}
883 \fi

```

11 File artikel2-xetex-bidi.def

```

884 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class
885 \renewenvironment{theindex}{%
886     \if@twocolumn

```



```

887 \@restonecolfalse
888 \else
889 \@restonecoltrue
890 \fi
891 \columnseprule \z@
892 \columnsep 35\p@
893 \twocolumn[\section*{\indexname}]%
894 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
895 \thispagestyle{plain}\parindent\z@
896 \parskip\z@ \@plus .3\p@\relax
897 \let\item\@idxitem
898 }{%
899 \if@restonecol\onecolumn\else\clearpage\fi}
900 \renewcommand*\@regtocline[3]{%
901 \ifnum #1>\c@tocdepth
902 \else
903 \vskip\z@\@plus.2\p@
904 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
905 \if@RTL\righskip\else\leftskip\fi\unitindent
906 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
907 \parfillskip\z@
908 \@tempdima\unitindent
909 \advance\@tempdima by \othermargin
910 \parindent\z@
911 \leavevmode
912 \hbox{\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
913 \hskip 1em \nobreak{\slshape #3}\par
914 }%
915 \fi}
916 \if@oldtoc
917 \renewcommand*\l@section[2]{%
918 \addpenalty\@secpenalty
919 \addvspace{1.0em \@plus\p@}%
920 \setlength\@tempdima{1.5em}%
921 \begingroup
922 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
923 \parfillskip -\@pnumwidth
924 \leavevmode \bfseries
925 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
926 \hskip -\if@RTL\righskip\else\leftskip\fi
927 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
928 \endgroup}
929 \else
930 \renewcommand*\l@section{\@regtocline{1}}
931 \fi
932 \if@oldtoc
933 \renewcommand*\l@part[2]{%
934 \ifnum \c@tocdepth >-2\relax
935 \addpenalty\@secpenalty
936 \addvspace{2.25em \@plus\p@}%
937 \begingroup
938 \setlength\@tempdima{3em}%
939 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
940 \parfillskip -\@pnumwidth

```



```

941     {\leavevmode
942       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
943       \nobreak
944       \if@compatibility
945         \global\@nobreaktrue
946         \everypar{\global\@nobreakfalse\everypar{}}%
947       \fi
948     \endgroup
949   \fi}
950 \else
951   \renewcommand*\l@part{%
952     \ifnum \c@tocdepth >-2\relax
953       \addpenalty\@secpenalty
954       \advspace{2.25em \@plus \p@}%
955       \@regtocline{0}%
956     \fi}
957 \fi
958 \renewcommand*\head@style{%
959   \interlinepenalty \@M
960   \hyphenpenalty=\@M \exhyphenpenalty=\@M
961   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
962 \if@titlepage
963   \renewenvironment{abstract}{%
964     \titlepage
965     \null\vfil
966     \section*\{SectFont\abstractname}%
967     \noindent\ignorespaces}
968   {\par\vfil\null\endtitlepage}
969 \else
970   \renewenvironment{abstract}{%
971     \if@twocolumn
972       \section*\{abstractname}%
973     \else
974       \section*\{hskip\unitindent\small\SectFont\abstractname}%
975       \list{}{\setlength\listparindent{\unitindent}%
976         \setlength\parindent {\z@}%
977         \setlength\leftmargin {\unitindent}%
978         \setlength\rightmargin {\unitindent}%
979         \setlength\parsep {\z@}}%
980       \item[]%
981     \fi}
982   {\if@twocolumn\else\par\endlist\fi}
983 \fi
984 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
985 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
986 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
987 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
988 \renewcommand*\left@footnoterule{%
989   \kern-3\p@
990   \hrule\@width 3\unitindent
991   \kern 2.6\p@
992 }
993 \renewcommand*\right@footnoterule{%
994   \kern-3\p@

```




```

995 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
996 \kern 2.6\p@}
997 \renewenvironment{thebibliography}[1]
998   {\section*{\refname}%
999   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1000   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1001   \bidi@thebibliography@font@hook%
1002   \list{\@biblabel{\@arabic\c@enumiv}}%
1003     {\settowidth\labelwidth{\@biblabel{#1}}%
1004     \leftmargin\labelwidth
1005     \advance\leftmargin\labelsep
1006     \@openbib@code
1007     \usecounter{enumiv}%
1008     \let\p@enumiv\@empty
1009     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1010   \sloppy\clubpenalty4000\widowpenalty4000%
1011   \sfcode`. \m}
1012   {\def\@noitemerr
1013     {\@latex@warning{Empty `thebibliography' environment}}%
1014   \endlist}
1015 \if@titlepage
1016 \renewcommand*\TitleFont{\rmfamily}
1017 \renewcommand*\maketitle{%
1018   \begin{titlepage}%
1019     \let\footnotesize\small
1020     \let\right@footnoterule\relax
1021     \let\left@footnoterule\relax
1022     \let\textwidth@footnoterule\relax
1023     \let \footnote \thanks
1024     \long\def\@makefnmark##1{\parindent\z@
1025       \def\labelitemi{\textendash}\@revlabeltrue
1026       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1027     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1028     \if@compatibility\setcounter{page}{0}\fi
1029     \null\vfil
1030     \vskip 60\p@
1031     \begin{center}%
1032       \TitleFont
1033       {\LARGE \def\{\penalty -\m}
1034       \if@allcaps
1035         \expandafter\uc@nothanks\@title\thanks\relax
1036       \else
1037         \@title
1038       \fi\par}%
1039     \vskip 3em%
1040     {\large
1041     \lineskip .75em \parindent\z@
1042     \begin{tabular}[t]{c}%
1043       \if@allcaps
1044         \expandafter\uc@authornothanks\@author\and\relax
1045       \else
1046         \@author
1047       \fi
1048     \end{tabular}\par}%

```



```

1049     \vskip 1.5em%
1050     {\large
1051     \if@allcaps
1052     \uppercase\expandafter{\@date}%
1053     \else
1054     \@date
1055     \fi\par}%
1056     \end{center}\par
1057     \@thanks
1058     \vfil\null
1059 \end{titlepage}%
1060 \setcounter{footnote}{0}%
1061 \global\let\thanks\relax
1062 \global\let\maketitle\relax
1063 \global\let\@thanks\@empty
1064 \global\let\@author\@empty
1065 \global\let\@title\@empty
1066 \global\let\@date\@empty
1067 \global\let\title\relax
1068 \global\let\author\relax
1069 \global\let\date\relax
1070 \global\let\and\relax
1071 }
1072 \def\@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\@c@tx}
1073 \def\@authornothanks#1\and{\@nothanks#1\thanks\relax
1074     \futurelet\@tempa\@c@ax}
1075 \def\@c@ax{%
1076     \ifx\@tempa\relax
1077     \else
1078     \ \andname \ \ \expandafter\@authornothanks
1079     \fi}
1080 \def\@c@tx{\ifx\@tempa\relax
1081     \else \expandafter\@c@ty \fi}
1082 \def\@c@ty#1{\thanks{#1}\@nothanks}
1083 \else
1084 \renewcommand*\maketitle{\par
1085     \begingroup
1086     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1087     \long\def\@makefnmark#1{\parindent\z@
1088     \def\labelitemi{\textendash}%
1089     \leavevmode\hb@xt@.5\unitindent{%
1090     \@textsuperscript{\normalfont\@thefnmark}\hfil}#1}
1091     \if@twocolumn
1092     \ifnum \col@number=\@ne
1093     \maketitle
1094     \else
1095     \twocolumn[\maketitle]%
1096     \fi
1097     \else
1098     \newpage
1099     \global\@topnum\z@
1100     \maketitle
1101     \fi
1102     \thispagestyle{plain}\@thanks

```



```

1103 \endgroup
1104 \setcounter{footnote}{0}%
1105 \global\let\thanks\relax
1106 \global\let\maketitle\relax
1107 \global\let\@maketitle\relax
1108 \global\let\@thanks\@empty
1109 \global\let\@author\@empty
1110 \global\let\@title\@empty
1111 \global\let\@date\@empty
1112 \global\let\title\relax
1113 \global\let\author\relax
1114 \global\let\date\relax
1115 \global\let\and\relax
1116 }
1117 \def\@maketitle{%
1118 \newpage
1119 \null
1120 \vskip 2em%
1121 \begin{center}%
1122 \let \footnote \thanks
1123 {\LARGE \TitleFont \@title \par}%
1124 \vskip 1.5em%
1125 {\large \TitleFont
1126 \lineskip .5em%
1127 \begin{tabular}[t]{c}%
1128 \@author
1129 \end{tabular}\par}%
1130 \vskip 1em%
1131 {\large \TitleFont \@date}%
1132 \end{center}%
1133 \par
1134 \vskip 1.5em}
1135 \fi

```

12 File artikel3-xetex-bidi.def

```

1136 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class
1137 \renewenvironment{theindex}{%
1138 \if@twocolumn
1139 \@restonecolfalse
1140 \else
1141 \@restonecoltrue
1142 \fi
1143 \columnseprule \z@
1144 \columnsep 35\p@
1145 \twocolumn[\section*{\indexname}]%
1146 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1147 \thispagestyle{plain}\parindent\z@
1148 \parskip\z@ \@plus .3\p@\relax
1149 \let\item\@idxitem
1150 }{%
1151 \if@restonecol\onecolumn\else\clearpage\fi}
1152 \renewcommand*{\head@style}{%
1153 \interlinepenalty \@M

```



```

1154 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1155 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1156 \renewcommand*\@regtocline[3]{%
1157 \ifnum #1>\c@tocdepth
1158 \else
1159 \vskip\z@\@plus.2\p@
1160 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1161 \if@RTL\rightskip\else\leftskip\fi\unitindent
1162 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1163 \parfillskip\z@
1164 \@tempdima\unitindent
1165 \parindent\z@
1166 \leavevmode
1167 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1168 \hskip 1em \nobreak{\slshape #3}\par
1169 }%
1170 \fi}
1171 \if@oldtoc
1172 \renewcommand*\l@part[2]{%
1173 \ifnum \c@tocdepth >-2\relax
1174 \addpenalty\@secpenalty
1175 \addvspace{2.25em \@plus\p@}%
1176 \begingroup
1177 \setlength\@tempdima{3em}%
1178 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1179 \parfillskip -\@pnumwidth
1180 {\leavevmode
1181 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1182 \nobreak
1183 \if@compatibility
1184 \global\@nobreaktrue
1185 \everypar{\global\@nobreakfalse\everypar{}}%
1186 \fi
1187 \endgroup
1188 \fi}
1189 \else
1190 \renewcommand*\l@part{%
1191 \ifnum \c@tocdepth >-2\relax
1192 \addpenalty\@secpenalty
1193 \addvspace{2.25em \@plus\p@}%
1194 \@regtocline{0}%
1195 \fi}
1196 \fi
1197
1198 \if@oldtoc
1199 \renewcommand*\l@section[2]{%
1200 \addpenalty\@secpenalty
1201 \addvspace{1.0em \@plus\p@}%
1202 \setlength\@tempdima{1.5em}%
1203 \begingroup
1204 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1205 \parfillskip -\@pnumwidth
1206 \leavevmode \bfseries
1207 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima

```



```

1208 \hskip -\if@RTL\righskip\else\leftskip\fi
1209 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1210 \endgroup}
1211 \else
1212 \renewcommand*\l@section{\@regtocline{1}}
1213 \fi
1214 \if@titlepage
1215 \renewenvironment{abstract}{%
1216 \titlepage
1217 \null\vfil
1218 \section*\SectFont\abstractname}%
1219 \noindent\ignorespaces
1220 {\par\vfil\null\endtitlepage}
1221 \else
1222 \renewenvironment{abstract}{%
1223 \if@twocolumn
1224 \section*\abstractname}%
1225 \else
1226 \bgroup\if@RTL\leftskip\else\righskip\fi=\unitindent
1227 \section*\small\SectFont\abstractname}%
1228 \noindent\ignorespaces
1229 \fi}
1230 {\if@twocolumn\else\par\egroup\fi}
1231 \fi
1232 \renewcommand*\left@footnoterule{%
1233 \kern-3\p@
1234 \kern.5\baselineskip
1235 \hrule\@width\unitindent
1236 \kern.4\baselineskip
1237 }
1238 \renewcommand*\right@footnoterule{%
1239 \kern-3\p@
1240 \kern.5\baselineskip
1241 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1242 \kern.4\baselineskip}
1243 \renewcommand*\thesubsection{\thesubsection\@SepMark\@arabic\c@subsection}
1244 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1245 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1246 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1247 \renewenvironment{thebibliography}[1]
1248 {\section*\refname}%
1249 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1250 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1251 \bidi@thebibliography@font@hook%
1252 \list{\@biblabel{\@arabic\c@enumiv}}%
1253 {\settowidth\labelwidth{\@biblabel{#1}}%
1254 \leftmargin\labelwidth
1255 \advance\leftmargin\labelsep
1256 \@openbib@code
1257 \usecounter{enumiv}%
1258 \let\p@enumiv\@empty
1259 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1260 \sloppy\clubpenalty4000\widowpenalty4000%
1261 \sfcode\.\@m}

```



```

1262     {\def\@noitemerr
1263       {\@latex@warning{Empty `thebibliography' environment}}}%
1264     \endlist}
1265 \if@titlepage
1266 \renewcommand*\TitleFont{\rmfamily}
1267 \renewcommand*\maketitle{%
1268   \begin{titlepage}%
1269     \let\footnotesize\small
1270     \let\right@footnoterule\relax
1271     \let\left@footnoterule\relax
1272     \let\textwidth@footnoterule\relax
1273     \let \footnote \thanks
1274     \long\def\@makefn#1{\parindent\z@
1275       \def\labelitemi{\textendash}\@revlabeltrue
1276       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax #1}
1277 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1278 \if@compatibility\setcounter{page}{0}\fi
1279 \null\vfil
1280 \vskip 60\p@
1281 \begin{center}%
1282   \TitleFont
1283   {\LARGE \def\\{\penalty -\@M}
1284     \if@allcaps
1285       \expandafter\uc@nothanks\@title\thanks\relax
1286     \else
1287       \@title
1288     \fi\par}%
1289   \vskip 3em%
1290   {\large
1291     \lineskip .75em \parindent\z@
1292     \begin{tabular}[t]{c}%
1293       \if@allcaps
1294         \expandafter\uc@authornothanks\@author\and\relax
1295       \else
1296         \@author
1297       \fi
1298     \end{tabular}\par}%
1299   \vskip 1.5em%
1300   {\large
1301     \if@allcaps
1302       \uppercase\expandafter{\@date}%
1303     \else
1304       \@date
1305     \fi\par}%
1306   \end{center}\par
1307   \@thanks
1308   \vfil\null
1309 \end{titlepage}%
1310 \setcounter{footnote}{0}%
1311 \global\let\thanks\relax
1312 \global\let\maketitle\relax
1313 \global\let\@thanks\@empty
1314 \global\let\@author\@empty
1315 \global\let\@title\@empty

```



```

1316 \global\let\@date\@empty
1317 \global\let\title\relax
1318 \global\let\author\relax
1319 \global\let\date\relax
1320 \global\let\and\relax
1321 }
1322 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1323 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1324 \futurelet\@tempa\uc@ax}
1325 \def\uc@ax{%
1326 \ifx\@tempa\relax
1327 \else
1328 \ \andname \ \expandafter\uc@authornothanks
1329 \fi}
1330 \def\uc@tx{\ifx\@tempa\relax
1331 \else \expandafter\uc@ty \fi}
1332 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1333 \else
1334 \renewcommand*\maketitle{\par
1335 \begingroup
1336 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1337 \def\@makefnmark{\rlap{%
1338 \textsuperscript{\normalfont\@thefnmark}}}%
1339 \long\def\@makefntext{\@xmakefntext{%
1340 \textsuperscript{\normalfont\@thefnmark}}}%
1341 \iftwocolumn
1342 \ifnum \col@number=\@ne
1343 \maketitle
1344 \else
1345 \twocolumn[\maketitle]%
1346 \fi
1347 \else
1348 \newpage
1349 \global\@topnum\z@
1350 \maketitle
1351 \fi
1352 \thispagestyle{plain}\@thanks
1353 \endgroup
1354 \setcounter{footnote}{0}%
1355 \global\let\thanks\relax
1356 \global\let\maketitle\relax
1357 \global\let\@maketitle\relax
1358 \global\let\@thanks\@empty
1359 \global\let\@author\@empty
1360 \global\let\@title\@empty
1361 \global\let\@date\@empty
1362 \global\let\title\relax
1363 \global\let\author\relax
1364 \global\let\date\relax
1365 \global\let\and\relax
1366 }
1367 \def\@maketitle{%
1368 \newpage
1369 \null

```



```

1370 \vskip 2em%
1371 \if@titlecentered
1372 \begin{center}%
1373 \let \footnote \thanks
1374 {\LARGE \TitleFont \@title \par}%
1375 \vskip 1.5em%
1376 {\large \TitleFont
1377 \lineskip .5em%
1378 \begin{tabular}[t]{c}%
1379 \author
1380 \end{tabular}\par}%
1381 \vskip 1em%
1382 {\large \TitleFont \@date}%
1383 \end{center}%
1384 \else
1385 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1386 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1387 \def\and{%% \begin{tabular} has already started
1388 \end{tabular}\hskip 1em plus .17fil
1389 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tab
1390 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}\author\end{tabular}
1391 \vskip 1em {\large \TitleFont \@date}
1392 \fi
1393 \par
1394 \vskip 1.5em}
1395 \fi

```

13 File arydshln-xetex-bidi.def

```

1396 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1397 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1398 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1399 \expandafter\let\csname endtabular*\endcsname\endtabular
1400 \let\adl@array\@array
1401 \def\@array{\adl@everyvbox\everyvbox
1402 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1403 \ifadl@inactive \adl@inactive \else \adl@activate \fi
1404 \let\adl@noalign\noalign
1405 \adl@array}
1406 \ifadl@usingarypkg
1407 \def\@testpach{\@chclass
1408 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1409 \ifnum \@lastchclass=7 5 \else
1410 \ifnum \@lastchclass=8 \tw@ \else
1411 \ifnum \@lastchclass=9 \thr@@
1412 \else \z@
1413 \ifnum \@lastchclass = 10 \else
1414 \edef\@nextchar{\expandafter\string\@nextchar}%
1415 \@chnum
1416 \if \@nextchar c\z@ \else
1417 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1418 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1419 \z@ \@chclass
1420 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else

```




```

1421 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1422 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1423 \if \@nextchar !6 \else
1424 \if \@nextchar @7 \else
1425 \if \@nextchar <8 \else
1426 \if \@nextchar >9 \else
1427 10
1428 \@chnum
1429 \if \@nextchar m\thr@@\else
1430 \if \@nextchar p4 \else
1431 \if \@nextchar b5 \else
1432 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1433 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1434
1435 \def\@classz{\@classx
1436 \@tempcnta \count@
1437 \prepnext@tok
1438 \@addtopreamble{\ifcase \@chnum
1439 \hfil
1440 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1441 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1442 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1443 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1444 \adl@endmbox\or
1445 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1446 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1447 \fi}\prepnext@tok}
1448 \def\adl@classstart{4}
1449 \def\adl@class@iiiorvii{7}
1450
1451 \else
1452 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1453 \ifnum \@lastchclass=\thr@@ 5\relax \else
1454 \z@ \if #1c\@chnum \z@ \else
1455 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1456 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1457 \@chclass
1458 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1459 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1460 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1461 \if #1@\tw@ \else
1462 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1463 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1464
1465 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1466 \or \or \addamp \or
1467 \@acolampacol \or \@firstampfalse \@acol \fi
1468 \edef\@preamble{\@preamble
1469 \ifcase \@chnum
1470 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1471 \or \adl@putlrc{\$relax\@sharp$}\hfil
1472 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1473 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1474 \or \or \addamp \or

```



```

1475         \@acolampacol \or \@firstampfalse \@acol \fi
1476     \edef\@preamble{\@preamble
1477     \ifcase \@chnum
1478         \hfil\adl@putlrc{\@sharp\unskip}\hfil
1479         \or \adl@putlrc{\@sharp\unskip}\hfil
1480         \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1481 \def\adl@class@start{6}
1482 \def\adl@class@iiiorvii{3}
1483 \fi
1484 \@ifpackageloaded{colortbl}{%
1485 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1486 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1487     \let\@endpbox\adl@org@endpbox}
1488 \let\adl@CT@setup\CT@setup
1489 \def\CT@setup{\adl@CT@setup
1490     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1491     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1492     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1493 \let\adl@act@CT@setup\CT@setup
1494 \def\@classz{\@classx
1495     \@tempcnta\count@ \prepnext@tok
1496     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1497     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1498     \expandafter\adl@extract@drsc
1499         \the\toks\@tempcnta\doublerulesepcolor!\@nil
1500     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1501     \@addtopreamble{\if@RTL\beginL\fi%
1502         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1503         \ifcase \@chnum
1504             \hskip\stretch{.5}\kern\z@
1505             \dollarbegin
1506             \insert@column
1507             \dollarend\hskip\stretch{.5}%
1508         \or \dollarbegin \insert@column \dollarend \hfill
1509         \or \hfill \kern\z@ \dollarbegin \insert@column \dollarend
1510         \or $\vcenter
1511             \@startpbox{\@nextchar}\insert@column \@endpbox $%
1512         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1513         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1514         \fi
1515         \if@RTL\endR\fi\egroup\egroup
1516     \begingroup
1517         \CT@setup
1518         \CT@column@color
1519         \CT@row@color
1520         \CT@cell@color
1521         \CT@do@color
1522     \endgroup
1523     \@tempdima\ht\z@
1524     \advance\@tempdima\minrowclearance
1525     \vrule\@height\@tempdima\@width\z@
1526     \unhbox\z@\if@RTL\endL\fi}%
1527     \prepnext@tok}
1528 \let\adl@act@classz\@classz

```



```
1529 \let\adl@org@classz \@classz
1530 }{}
```

14 File beamer-xetex-bidi.def

```
1531 \ProvidesFile{beamer-xetex-bidi.def}[2022/06/07 v0.3 bidi adaptations for beamer class for
1532 \AtBeginDocument{%
1533   \if@RTLmain
1534     \raggedleft
1535   \else
1536     \raggedright
1537   \fi
1538 }
1539
1540 \renewcommand*{\bidi@beamer@ragged}{%
1541   \if@RTL
1542     \raggedleft
1543   \else
1544     \raggedright
1545   \fi
1546 }
1547
1548
```

15 File beamerbaseauxtemplates-xetex-bidi.def

```
1549 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2023/08/02 v0.3 bidi adaptations for b
1550 \bidi@csundef{beamer@tmpop@subsection in toc@sections numbered}
1551
1552 \bidi@csundef{beamer@tmpop@subsection in toc@sections numbered}
1553
1554 \bidi@csundef{beamer@tmpop@subsection in toc@subsections numbered}
1555
1556 \bidi@csundef{beamer@tmpop@subsection in toc@subsections numbered}
1557
1558 \bidi@csundef{beamer@tmpop@subsection in toc@subsections numbered}
1559
1560 \defbeamertemplate{subsection in toc}{sections numbered}
1561 {\leavevmode\bidi@beamer@leftskip=2.5em\inserttocsubsection\par}
1562
1563 \defbeamertemplate{subsection in toc}{sections numbered}
1564 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3.5em\usebeam
1565   \inserttocsubsection\par}
1566
1567 \defbeamertemplate{section in toc}{subsections numbered}
1568 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsection\par}
1569
1570 \defbeamertemplate{subsection in toc}{subsections numbered}
1571 {\leavevmode\bidi@beamer@leftskip=2em\rlap{\hskip-2em\inserttocsectionnumber.\inserttocsubs
1572
1573 \defbeamertemplate{subsection in toc}{subsections numbered}
1574 {\leavevmode\normalsize\usebeamerfont{subsection in
1575   toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsection in toc}%
1576   \inserttocsubsection\par}
```



```

1577
1578 \bidi@csundef{beamer@@tmpop@section in toc@circle}
1579
1580 \bidi@csundef{beamer@@tmpop@subsection in toc@circle}
1581
1582 \bidi@csundef{beamer@@tmpop@subsubsection in toc@circle}
1583
1584 \defbeamertemplate{section in toc}{circle}
1585 {\leavevmode\bidi@beamer@leftskip=2ex%
1586   \llap{%
1587     \usebeamerfont*{section number projected}%
1588     \usebeamercolor{section number projected}%
1589     \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1590       \color{bg}
1591       \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1592       \pgfusepath{fill}
1593       \pgftext[base]{\color{fg}\inserttocsectionnumber}
1594     \end{pgfpicture}\kern1.25ex%
1595   }%
1596   \inserttocsection\par}
1597
1598 \defbeamertemplate{subsection in toc}{circle}
1599 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsection\par}
1600
1601 \defbeamertemplate{subsubsection in toc}{circle}
1602 {\leavevmode\normalsize\usebeamerfont{subsection in
1603   toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1604   \inserttocsubsubsection\par}
1605
1606 \bidi@csundef{beamer@@tmpop@section in toc@square}
1607
1608 \bidi@csundef{beamer@@tmpop@subsection in toc@square}
1609
1610 \bidi@csundef{beamer@@tmpop@subsubsection in toc@square}
1611
1612 \bidi@csundef{beamer@@tmpop@enumerate item@square}
1613
1614 \bidi@csundef{beamer@@tmpop@enumerate subitem@square}
1615
1616 \bidi@csundef{beamer@@tmpop@enumerate subsubitem@square}
1617
1618 \bidi@csundef{beamer@@tmpop@enumerate mini template@square}
1619
1620 \defbeamertemplate{section in toc}{square}
1621 {\leavevmode\bidi@beamer@leftskip=3ex%
1622   \llap{%
1623     \usebeamerfont*{section number projected}%
1624     \usebeamercolor[bg]{section number projected}%
1625     \if@RTL
1626     \else
1627       \vrule width2.25ex height1.85ex depth.4ex%
1628       \hskip-2.25ex%
1629     \fi
1630     \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}}%

```



```

1631 \if@RTL
1632 \hskip-2.25ex%
1633 \vrule width2.25ex height1.85ex depth.4ex%
1634 \fi
1635 }\kern1.25ex}%
1636 \inserttocsection\par}
1637
1638 \defbeamertemplate{subsection in toc}{square}
1639 {\leavevmode\bidibeamer@leftskip=5ex\llap{%
1640 \usebeamercolor[bg]{subsection number projected}%
1641 \vrule width1ex height1ex\kern1ex}}\inserttocsubsection\par}
1642
1643 \defbeamertemplate{subsubsection in toc}{square}
1644 {\leavevmode\normalsize\usebeamerfont{subsection in
1645 toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1646 \llap{%
1647 \usebeamercolor[bg]{subsubsection number projected}%
1648 \vrule width0.75ex height0.75ex\kern1ex}}\inserttocsubsubsection\par}
1649
1650 \defbeamertemplate{enumerate item}{square}
1651 {
1652 \hbox{%
1653 \usebeamerfont*{item projected}%
1654 \usebeamercolor[bg]{item projected}%
1655 \if@RTL
1656 \else
1657 \vrule width2.25ex height1.85ex depth.4ex%
1658 \hskip-2.25ex%
1659 \fi
1660 \hbox to2.25ex{%
1661 \hfil%
1662 \color{fg}\insertenumlabel%
1663 \hfil}}%
1664 \if@RTL
1665 \hskip-2.25ex%
1666 \vrule width2.25ex height1.85ex depth.4ex%
1667 \fi
1668 }%
1669 }
1670 [action]
1671 {\setbeamerfont{item projected}{size=\scriptsize}}
1672
1673 \defbeamertemplate{enumerate subitem}{square}
1674 {
1675 \hbox{%
1676 \usebeamerfont*{subitem projected}%
1677 \usebeamercolor[bg]{subitem projected}%
1678 \if@RTL
1679 \else
1680 \vrule width2.25ex height1.85ex depth.4ex%
1681 \hskip-2.25ex%
1682 \fi
1683 \hbox to2.25ex{%
1684 \hfil%

```



```

1685     \color{fg}\insertsubenumlabel%
1686     \hfil}}%
1687     \if@RTL
1688         \hskip-2.25ex%
1689         \vrule width2.25ex height1.85ex depth.4ex%
1690     \fi
1691 }}%
1692 }
1693
1694 \defbeamertemplate{enumerate subsubitem}{square}
1695 {
1696     \hbox{%
1697         \usebeamerfont*{subitem projected}%
1698         \usebeamercolor[bg]{subsubitem projected}%
1699         \if@RTL
1700         \else
1701             \vrule width2.25ex height1.85ex depth.4ex%
1702             \hskip-2.25ex%
1703         \fi
1704         \hbox to2.25ex{%
1705             \hfil%
1706             \color{fg}\insertsubsubenumlabel%
1707             \hfil}}%
1708         \if@RTL
1709             \hskip-2.25ex%
1710             \vrule width2.25ex height1.85ex depth.4ex%
1711         \fi
1712     }}%
1713 }
1714
1715 \defbeamertemplate{enumerate mini template}{square}
1716 {
1717     \hbox{%
1718         \usebeamerfont*{\beameritemnestingprefix item projected}%
1719         \usebeamercolor[bg]{\beameritemnestingprefix item projected}%
1720         \if@RTL
1721         \else
1722             \vrule width2.25ex height1.85ex depth.4ex%
1723             \hskip-2.25ex%
1724         \fi
1725         \hbox to2.25ex{%
1726             \hfil%
1727             \color{fg}\insertenumlabel%
1728             \hfil}}%
1729         \if@RTL
1730             \hskip-2.25ex%
1731             \vrule width2.25ex height1.85ex depth.4ex%
1732         \fi
1733     }}%
1734 }
1735
1736 \bidi@csundef{beamer@tmpop@section in toc@ball unnumbered}
1737
1738 \bidi@csundef{beamer@tmpop@subsection in toc@ball unnumbered}

```



```

1739
1740 \bidi@csundef{beamer@@tmpop@subsection in toc@ball unnumbered}
1741
1742 \defbeamertemplate{section in toc}{ball unnumbered}
1743 {\leavevmode\bidi@beamer@leftskip=2.25ex%
1744 \llap{%
1745 \raise0.1ex\beamer@usesphere{section number projected}{bigosphere}\kern1.25ex}%
1746 \inserttocsection\par}
1747
1748 \defbeamertemplate{subsection in toc}{ball unnumbered}
1749 {\leavevmode\bidi@beamer@leftskip=5.1ex\llap{%
1750 \raise0.2ex\beamer@usesphere{subsection number projected}{smallsphere}\kern1ex}\inserttocsub
1751
1752 \defbeamertemplate{subsection in toc}{ball unnumbered}
1753 {\leavevmode\normalsize\usebeamerfont{subsection in
1754 toc}\bidi@beamer@leftskip=8.2ex\usebeamerfont{subsection in toc}%
1755 \llap{%
1756 \beamer@usesphere{subsection number projected}{smallsphere}\kern0.75ex}\inserttocsub
1757
1758 \bidi@csundef{beamer@@tmpop@section in toc@ball}
1759
1760 \bidi@csundef{beamer@@tmpop@subsection in toc@ball}
1761
1762 \bidi@csundef{beamer@@tmpop@subsection in toc@ball}
1763
1764 \defbeamertemplate{section in toc}{ball}
1765 {\leavevmode\bidi@beamer@leftskip=2.75ex%
1766 \llap{%
1767 \normalsize%
1768 \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1769 \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1770 \pgftext{%
1771 \usebeamerfont*{section number projected}%
1772 \usebeamerfont{section number projected}%
1773 \color{fg!90!bg}%
1774 \inserttocsectionnumber}
1775 \end{pgfpicture}%
1776 \kern1.25ex}%
1777 \inserttocsection\par
1778 }
1779 [action]
1780 {\setbeamerfont{section number projected}{size=\scriptsize}}
1781
1782 \defbeamertemplate{subsection in toc}{ball}
1783 {\leavevmode\bidi@beamer@leftskip=5ex%
1784 \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigosphere}\kern1ex}%
1785 \inserttocsubsection\par%
1786 }
1787
1788 \defbeamertemplate{subsection in toc}{ball}
1789 {\leavevmode\normalsize\usebeamerfont{subsection in
1790 toc}\bidi@beamer@leftskip=7ex\usebeamerfont{subsection in toc}%
1791 \llap{\beamer@usesphere{subsection number projected}{bigosphere}\kern0.75ex}%
1792 \inserttocsubsection\par%

```



```

1793 }
1794
1795 \bidi@csundef{beamer@tmpop@block begin@rounded}
1796
1797 \bidi@csundef{beamer@tmpop@block alerted begin@rounded}
1798
1799 \bidi@csundef{beamer@tmpop@block example begin@rounded}
1800
1801 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1802 {%
1803   \par\vskip\medskipamount%
1804   \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1805     {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1806     \bidi@beamer@ragged%
1807     \usebeamerfont{block body}%
1808 }
1809
1810 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1811 {%
1812   \par\vskip\medskipamount%
1813   \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1814     {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1815     \bidi@beamer@ragged%
1816     \usebeamerfont{block body alerted}%
1817 }%
1818
1819 \defbeamertemplate{block example begin}{rounded}[1][shadow=false]
1820 {%
1821   \par\vskip\medskipamount%
1822   \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]%
1823     {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1824     \bidi@beamer@ragged%
1825     \usebeamerfont{block body example}%
1826 }%
1827
1828 \bidi@csundef{beamer@tmpop@caption@caption name own line}
1829
1830 \defbeamertemplate{caption}{caption name own line}
1831 {%
1832   \begin{minipage}{\textwidth}
1833     \leavevmode
1834     \bidi@beamer@ragged
1835     {%
1836       \usebeamercolor[fg]{caption name}%
1837       \usebeamerfont*{caption name}%
1838       \insertcaptionname%
1839     }\\
1840     \insertcaption
1841   \end{minipage}
1842 }
1843

```

16 File beamerbaseboxes-xetex-bidi.def




```

1844 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerbaseboxes]
1845 \renewcommand\beamerboxesrounded[2] [] {%
1846   \global\let\beamer@firstlineitemizeunskip=\relax%
1847   \vbox\bgroup%
1848   \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1849   \setkeys{beamerboxes}{#1}%
1850   {%
1851     \usebeamercolor{\bmb@lower}%
1852     \globalcolorstrue%
1853     \colorlet{lower.bg}{bg}%
1854   }%
1855   {%
1856     \usebeamercolor{\bmb@upper}%
1857     \globalcolorstrue%
1858     \colorlet{upper.bg}{bg}%
1859   }%
1860   %
1861   % Typeset head
1862   %
1863   \vskip4bp
1864   \setbox\bmb@box=\hbox{%
1865     \begin{minipage}[b]{\bmb@width}%
1866       \usebeamercolor[fg]{\bmb@upper}%
1867       #2%
1868     \end{minipage}}%
1869   \ifdim\wd\bmb@box=0pt%
1870     \setbox\bmb@box=\hbox{%
1871       \ht\bmb@box=1.5pt%
1872       \bmb@prevheight=-4.5pt%
1873     \else%
1874       \wd\bmb@box=\bmb@width%
1875       \bmb@temp=\dp\bmb@box%
1876       \ifdim\bmb@temp<1.5pt%
1877         \bmb@temp=1.5pt%
1878       \fi%
1879       \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1880       \dp\bmb@box=0pt%
1881       \bmb@prevheight=\ht\bmb@box%
1882     \fi%
1883     \bmb@temp=\bmb@width%
1884     \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1885     \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1886     \hbox{%
1887       \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1888         \ifdim\wd\bmb@box=0pt%
1889           \color{lower.bg}%
1890         \else%
1891           \color{upper.bg}%
1892         \fi%
1893         \pgfpathmoveto{-4bp}{-1bp}
1894         \pgfpathcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1895         \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1896         \pgfpathcurveto%
1897         {\pgfpoint{\bmb@dima}{3bp}}%

```



```

1898     {\pgfpoint{\bmb@dimb}{1.2bp}}%
1899     {\pgfpoint{\bmb@dimb}{-1bp}}%
1900     \bmb@dima=-\ht\bmb@box%
1901     \advance\bmb@dima by-2pt%
1902     \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1903     \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1904     \pgfusepath{fill}
1905     \end{pgfpicture}%
1906     \copy\bmb@box%
1907   }%
1908   \nointerlineskip%
1909   \vskip-1pt%
1910   \ifdim\wd\bmb@box=0pt%
1911     \else%
1912     \hbox{%
1913       \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1914         \bmb@dima=\bmb@width%
1915         \advance\bmb@dima by8bp%
1916         \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1917         \pgfusepath{clip}
1918         {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuses shading{\bmb@trans
1919       \end{pgfpicture}%
1920     }%
1921     \nointerlineskip%
1922     \vskip-0.5pt%
1923     \fi%
1924     \setbox\bmb@colorbox=\hbox{{\pgfpicturetrue\pgfsetcolor{lower.bg}}}%
1925     \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1926       \vskip2pt%
1927       \usebeamercolor[fg]{\bmb@lower}%
1928       \colorlet{beamerstructure}{upper.bg}%
1929       \colorlet{structure}{upper.bg}%
1930       %\color{.}%
1931       \@bidi@list@minipage@parboxfalse
1932     }
1933
1934 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1935   \begingroup
1936   \@RTLfalse
1937 }{}{}
1938
1939

```

17 File beamerbasecolor-xetex-bidi.def

```

1940 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for beamerba
1941 \renewenvironment{beamercolorbox}[2][ ]{%
1942   \def\beamer@vmode{\leavevmode}%
1943   \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1944     leftskip=0pt,rightskip=0pt plus1fil,%
1945     sep=0pt,colsep=0pt,colsep*=0pt,%
1946     shadow=false,rounded=false,ignorebg=false}%
1947   \if@RTL
1948     \setkeys{beamercolbox}{rightskip=0pt,leftskip=0pt plus1fil}%

```



```

1949 \else
1950 \setkeys{beamercolbox}{leftskip=Opt,rightskip=Opt plus1fil}%
1951 \fi
1952 \setkeys{beamercolbox}{#1}%
1953 \ifbeamercoloreempty[bg]{#2}{\@tempwafalse}{\@tempwatrue}%
1954 \ifbeamer@colbox@ignorebg\@tempwafalse\fi%
1955 \def\beamer@colbox@color{#2}%
1956 \setbox\beamer@tempbox=\hbox\bgroup\color@begingroup
1957 \ifbeamer@colbox@ignorebg%
1958 \colorlet{beamer@temp@color}{bg}%
1959 \usebeamercolor[fg]{#2}%
1960 \colorlet{bg}{beamer@temp@color}%
1961 \else%
1962 \usebeamercolor[fg]{#2}%
1963 \fi%
1964 \beginL
1965 \vbox\bgroup%
1966 \hsize=\beamer@colbox@wd%
1967 \@arrayparboxrestore%
1968 \leftskip=\beamer@colbox@ls%
1969 \ifdim\beamer@colbox@sep>\z@\advance\leftskip\beamer@colbox@sep\fi%
1970 \rightskip=\beamer@colbox@rs%
1971 \ifdim\beamer@colbox@sep>\z@\advance\rightskip\beamer@colbox@sep\fi%
1972 \if@tempswa\ifdim\beamer@colbox@colsep>\z@%
1973 \advance\leftskip by\beamer@colbox@colsep%
1974 \advance\rightskip by\beamer@colbox@colsep%
1975 \vskip\beamer@colbox@colsep%
1976 \fi%
1977 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1978 \fi%
1979 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1980 \beamer@vmode\ignorespaces}{%
1981 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1982 \if@tempswa
1983 \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
1984 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1985 \fi%
1986 \egroup\endL\color@endgroup\egroup%
1987 \wd\beamer@tempbox=\beamer@colbox@wd%
1988 \ifx\beamer@colbox@ht\@empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
1989 \ifx\beamer@colbox@dp\@empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
1990 \ifbeamer@colbox@rounded%
1991 \if@tempswa%
1992 \begin{beamerboxesrounded}[%
1993 shadow=\beamer@colbox@shadow,%
1994 lower=\beamer@colbox@color,%
1995 upper=normal text,%
1996 width=\beamer@colbox@wd]{%
1997 \box\beamer@tempbox%
1998 \end{beamerboxesrounded}%
1999 \else%
2000 \ifdim\wd\beamer@tempbox>\textwidth%
2001 \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
2002 \fi%

```



```

2003     \box\beamer@tempbox%
2004     \fi%
2005 \else%
2006     \if@tempswa\setbox\beamer@tempbox=\hbox{%
2007         \usebeamercolor{\beamer@colbox@color}%
2008         \hskip-\beamer@colbox@colseps%
2009         \fboxsep=\z@\colorbox{bg}{%
2010             \hskip\beamer@colbox@colseps%
2011             \box\beamer@tempbox%
2012             \hskip\beamer@colbox@colseps%
2013         }%
2014         \hskip-\beamer@colbox@colseps%
2015     }\fi%
2016 \ifdim\wd\beamer@tempbox>\textwidth%
2017     \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box\beamer@tempbox%
2018 \fi%
2019 \box\beamer@tempbox%
2020 \fi%
2021 }
2022
2023

```

18 File beamerbasecompatibility-xetex-bidi.def

```

2024 \ProvidesFile{beamerbasecompatibility-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for
2025 \def\insertvrule#1#2{\hbox{\color{#2}\hskip-\Gm@lmargin\vrule width \paperwidth height #1}
2026
2027

```

19 File beamerbaseframecomponents-xetex-bidi.def

```

2028 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2023/08/02 v0.6 bidi adaptations for
2029 \renewcommand{\setbeamersize}[1]{%
2030     \beamer@dogeometryfalse%
2031     \setkeys{beamer@margin}{#1}%
2032     \ifbeamer@dogeometry%
2033         % Reset left margin now
2034         \beamer@tempdim=\beamer@leftmargin%
2035         \advance\beamer@tempdim by\beamer@leftsidebar%
2036         \if@RTLmain
2037             \geometry{right=\the\beamer@tempdim}%
2038         \else
2039             \geometry{left=\the\beamer@tempdim}%
2040         \fi
2041         % Reset right margin now
2042         \beamer@tempdim=\beamer@rightmargin%
2043         \advance\beamer@tempdim by\beamer@rightsidebar%
2044         \if@RTLmain
2045             \geometry{left=\the\beamer@tempdim}%
2046         \else
2047             \geometry{right=\the\beamer@tempdim}%
2048         \fi
2049     \fi%
2050 }

```



```

2051
2052 \newcommand*{\bidi@beamer@Gm@lmargin}{%
2053   \if@RTLmain
2054     \Gm@rmargin
2055   \else
2056     \Gm@lmargin
2057   \fi
2058 }
2059
2060 \newcommand*{\bidi@beamer@Gm@rmargin}{%
2061   \if@RTLmain
2062     \Gm@lmargin
2063   \else
2064     \Gm@rmargin
2065   \fi
2066 }
2067
2068 \def\ps@navigation{
2069   \def\@oddhead{%
2070     \begingroup%
2071     \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransit
2072     \beamer@tempdim=\ht\beamer@tempbox%
2073     \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
2074     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2075     \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2076     \beamer@tempdim=\ht\@tempboxa%
2077     \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
2078     \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2079     \vbox{\hbox{\hspace-\bidi@beamer@Gm@lmargin\box\beamer@tempbox\box\@tempboxa}%
2080     \hbox{%
2081       {%
2082         \setbox\beamer@tempbox=\hbox{\hspace-\bidi@beamer@Gm@lmargin%
2083         \if@RTLmain
2084           {%
2085             \vbox to \sidebarheight{%
2086               \usebeamertemplate***{sidebar left}%
2087               \vfil%
2088             }}%
2089             \@ifpackageloaded{beamerinnerthemeinmargin}{-}{%
2090               \hspace-\textwidth
2091             }%
2092             \fi
2093             {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2094               \usebeamercolor*{sidebar left}%
2095               \usebeamertemplate{sidebar canvas left}%
2096               \vss%
2097             }}%
2098             \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2099             \box\beamer@tempbox}%
2100             \if@RTLmain
2101             \else
2102             {%
2103               \vbox to \sidebarheight{%
2104                 \usebeamertemplate***{sidebar left}%

```



```

2105         \vfil%
2106     }}\fi}%
2107     \beamer@tempdim=\ht\beamer@tempbox%
2108     \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2109     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2110     \box\beamer@tempbox%
2111 }%
2112 {% print right sidebar first, since it should be overwritten by headline
2113     \setbox\beamer@tempbox=\hbox{\hskip\textwidth\hskip\beamer@rightmargin%
2114     \ifRTLmain
2115         {%
2116             \vbox to \sidebarheight{%
2117                 \usebeamertemplate***{sidebar right}%
2118                 \vfil%
2119             }}%
2120             \hskip-\textwidth
2121             \fi
2122             {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2123                 \usebeamercolor*{sidebar right}%
2124                 \usebeamertemplate{sidebar canvas right}%
2125                 \vss%
2126             }}%
2127                 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2128                 \box\beamer@tempbox}%
2129                 \ifRTLmain
2130                 \else
2131                 {%
2132                     \vbox to \sidebarheight{%
2133                         \usebeamertemplate***{sidebar right}%
2134                         \vfil%
2135                     }}\fi}%
2136                 \beamer@tempdim=\ht\beamer@tempbox%
2137                 \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2138                 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2139                 \box\beamer@tempbox%
2140             }}%
2141             \beamer@typesetheadorfoot{headline}%
2142         }%
2143     \hfil}%
2144 \endgroup}
2145 \def\@oddfoot{%
2146     \vbox{\offinterlineskip\hbox{\beamer@typesetheadorfoot{footline}%
2147     \hfil}\hbox{}}\hfil
2148 }%
2149 \let\@evenhead\@oddhead
2150 \let\@evenfoot\@oddfoot}
2151
2152 \AtBeginDocument{%
2153     \pagestyle{navigation}%
2154 }
2155
2156 \def\beamer@typesetheadorfoot#1{% typeset the head or footline
2157     {\parskip0pt\offinterlineskip%
2158         \hbox{%

```



```

2159     \hskip-\bidi@beamer@Gm@lmargin%
2160     \hbox{%
2161         \vbox{%
2162             \@tempdima=\textwidth%
2163             \textwidth=\paperwidth%
2164             \hsize=\textwidth%
2165             \def\{,\}%
2166             \usebeamertemplate***{#1}%
2167         }%
2168     \hskip-\bidi@beamer@Gm@rmargin%
2169 }}\hfil%
2170 }
2171
2172 \def\ps@empty{%
2173     \let\@mkboth\@gobbletwo%
2174     \def\@oddhead{\beginingroup%
2175         \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}}\hyper@pagetransit
2176         \beamer@tempdim=\ht\beamer@tempbox%
2177         \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
2178         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2179         \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2180         \beamer@tempdim=\ht\@tempboxa%
2181         \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
2182         \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2183         \vbox{\hbox{\hskip-\Gm@lmargin\raise\headheight\box\beamer@tempbox\raise\headheight\box
2184         \endgroup%
2185     }
2186     \def\@oddfoot{\normalcolor\hfil%
2187         \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{navigation symbols}}\hskip-\bidi@beam
2188         \ht\beamer@tempbox=0pt%
2189         \dp\beamer@tempbox=0pt%
2190         \box\beamer@tempbox}}
2191     \let\@evenhead\@oddhead\let\@evenfoot\@oddfoot}
2192
2193 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
2194     \beamer@colclose%
2195     \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
2196 \begin{actionenv}#3%
2197     \setkeys{beamer@col}{#1}%
2198     \begin{minipage}[\beamer@colalign]{#2}%
2199         \leavevmode\bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2200
2201 \renewenvironment<>{columns}[1][ ]{%
2202     \begin{actionenv}#2%
2203     \ifbeamer@onlytextwidth
2204         \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
2205         \def\beamer@colexitcode{\unskip\egroup}
2206     \else%
2207         \def\beamer@colentrycode{%
2208             \hbox to\textwidth\bgroup%
2209             \leavevmode%
2210             \hskip-\beamer@leftmargin%
2211             \nobreak%
2212             \beamer@tempdim=\textwidth%

```



```

2213     \advance\beamer@tempdim by\beamer@leftmargin%
2214     \advance\beamer@tempdim by\beamer@rightmargin%
2215     \hbox to\beamer@tempdim\bgroup%
2216     \hbox{\hfill\ignorespaces}%
2217     \def\beamer@colexitcode{\egroup%
2218     \nobreak%
2219     \hskip-\beamer@rightmargin\egroup}%
2220     \fi%
2221     \ifbeamer@centered\setkeys{beamer@col}{c}\else\setkeys{beamer@col}{t}\fi%
2222     \setkeys{beamer@col}{#1}%
2223     \par%
2224     \leavevmode
2225     \beamer@colentrycode%
2226     \def\beamer@colclose{\ignorespaces}%
2227     {\beamer@colclose\def\beamer@colclose{\beamer@colexitcode\end{actionenv}}}%
2228
2229
2230 \def\@makeRTLfnftext#1{%
2231   \def\insertfootnotetext{#1}%
2232   \def\insertfootnotemark{\@makefnmark}%
2233   \usebeamertemplate***{RTLfootnote}}
2234
2235 \def\@makeLTRfnftext#1{%
2236   \def\insertfootnotetext{#1}%
2237   \def\insertfootnotemark{\@makefnmark}%
2238   \usebeamertemplate***{LTRfootnote}}
2239
2240 \renewcommand<>\beamer@framefootnotetext[1]{%
2241   \global\setbox\beamer@footins\vbox{%
2242     \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
2243     \hsize\framewidth
2244     \textwidth\hsize
2245     \columnwidth\hsize
2246     \unvbox\beamer@footins
2247     \reset@font
2248     \bidi@@footnotetext@font
2249     \@parboxrestore
2250     \protected@edef\@currentlabel
2251       {\csname p@footnote\endcsname\@thefnmark}%
2252     \color@begingroup
2253     \uncover#2{\@makefnftext{%
2254       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2255     \color@endgroup}}
2256
2257 \renewcommand<>\beamer@frameRTLfootnotetext[1]{%
2258   \global\setbox\beamer@footins\vbox{%
2259     \@RTLtrue
2260     \hsize\framewidth
2261     \textwidth\hsize
2262     \columnwidth\hsize
2263     \unvbox\beamer@footins
2264     \reset@font
2265     \bidi@@RTLfootnotetext@font
2266     \@parboxrestore

```




```

2267 \protected@edef\@currentlabel
2268     {\csname p@footnote\endcsname\@thefnmark}%
2269 \color@begingroup
2270     \uncover#2{\@makeRTLfnctext{%
2271         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2272 \color@endgroup}}
2273
2274 \renewcommand<>\beamer@frameLTRfootnotetext [1]{%
2275     \global\setbox\beamer@footins\vbox{%
2276         \RTLfalse
2277         \hsize\framewidth
2278         \textwidth\hsize
2279         \columnwidth\hsize
2280         \unvbox\beamer@footins
2281         \reset@font
2282         \bidi@LTRfootnotetext@font
2283         \@parboxrestore
2284         \protected@edef\@currentlabel
2285             {\csname p@footnote\endcsname\@thefnmark}%
2286         \color@begingroup
2287             \uncover#2{\@makeLTRfnctext{%
2288                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2289         \color@endgroup}}
2290
2291 \renewcommand<>\@mpfootnotetext [1]{%
2292 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnote
2293     \global\setbox\@mpfootins\vbox{%
2294         \unvbox\@mpfootins
2295         \ifRTL@footnote\RTLtrue\else\RTLfalse\fi
2296         \reset@font
2297         \bidi@\@footnotetext@font
2298         \hsize\columnwidth
2299         \@parboxrestore
2300         \protected@edef\@currentlabel
2301             {\csname p@mpfootnote\endcsname\@thefnmark}%
2302         \color@begingroup
2303             \uncover#2{\@makefnctext{%
2304                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2305         \color@endgroup}}
2306
2307 \renewcommand<>\@mpRTLfootnotetext [1]{%
2308 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
2309     \global\setbox\@mpfootins\vbox{%
2310         \unvbox\@mpfootins
2311         \RTLtrue
2312         \reset@font
2313         \bidi@RTLfootnotetext@font
2314         \hsize\columnwidth
2315         \@parboxrestore
2316         \protected@edef\@currentlabel
2317             {\csname p@mpfootnote\endcsname\@thefnmark}%
2318         \color@begingroup
2319             \uncover#2{\@makeRTLfnctext{%
2320                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%

```



```

2321 \color@endgroup}}
2322
2323 \renewcommand<>\@mpLTRfootnotetext[1]{%
2324 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\@bidi@mpfootnoterule\left@footno
2325 \global\setbox\@mpfootins\vbox{%
2326 \unvbox\@mpfootins
2327 \@RTLfalse
2328 \reset@font
2329 \bidi@LTRfootnotetext@font
2330 \hsize\columnwidth
2331 \@parboxrestore
2332 \protected@edef\@currentlabel
2333 {\csname p@mpfootnote@endcsname\@thefnmark}%
2334 \color@begingroup
2335 \uncover#2{\@makeLTRfntext{%
2336 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2337 \color@endgroup}}
2338
2339 \let\@footnotetext=\beamer@framefootnotetext
2340 \let\@RTLfootnotetext=\beamer@frameRTLfootnotetext
2341 \let\@LTRfootnotetext=\beamer@frameLTRfootnotetext
2342
2343 \footdir@temp\footdir@ORG@bidi@beamer@footnotetext\@footnotetext{\bidi@footdir@footnote}%
2344 \footdir@temp\footdir@ORG@bidi@beamer@RTLfootnotetext\@RTLfootnotetext{R}%
2345 \footdir@temp\footdir@ORG@bidi@beamer@LTRfootnotetext\@LTRfootnotetext{L}%
2346
2347 \renewcommand<>{\footnote}[1][ ]{%
2348 \let\beamer@footnotetext=\@footnotetext%
2349 \let\beamer@mpfn=\@mpfn%
2350 \let\beamer@thempfn=\@thempfn%
2351 \let\beamer@kvorig=\KV@errx%
2352 \let\beamer@xkvorig=\XKV@err
2353 \def\beamer@footarg{%
2354 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2355 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2356 \setkeys{beamerfootnote}##1}%
2357 \let\KV@errx=\beamer@kvorig%
2358 \let\XKV@err=\beamer@xkvorig
2359 \ifx\beamer@footarg\@empty%
2360 \def\beamer@next{\stepcounter\beamer@mpfn
2361 \protected@xdef\@thefnmark{\beamer@thempfn}%
2362 \@footnotemark\beamer@footnotetext#2}%
2363 \else%
2364 \def\beamer@next{%
2365 \begingroup
2366 \csname c@\beamer@mpfn@endcsname\beamer@footarg\relax
2367 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2368 \endgroup
2369 \@footnotemark\beamer@footnotetext#2}%
2370 \fi%
2371 \beamer@next}
2372
2373 \renewcommand<>{\RTLfootnote}[1][ ]{%
2374 \let\beamer@RTLfootnotetext=\@RTLfootnotetext%

```



```

2375 \let\beamer@mpfn=\@mpfn%
2376 \let\beamer@thempfn=\thempfn%
2377 \let\beamer@kvorig=KV@errx%
2378 \let\beamer@xkvorig=XKV@err
2379 \def\beamer@footarg{%
2380 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2381 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2382 \setkeys{beamerfootnote}{#1}%
2383 \let\KV@errx=\beamer@kvorig%
2384 \let\XKV@errx=\beamer@xkvorig
2385 \ifx\beamer@footarg\@empty%
2386 \def\beamer@next{\stepcounter\beamer@mpfn
2387 \protected@xdef\@thefnmark{\beamer@thempfn}%
2388 \@footnotemark\beamer@RTLfootnotetext#2}%
2389 \else%
2390 \def\beamer@next{%
2391 \begingroup
2392 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2393 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2394 \endgroup
2395 \@footnotemark\beamer@RTLfootnotetext#2}%
2396 \fi%
2397 \beamer@next}
2398
2399 \renewcommand<>{\LTRfootnote}[1][ ]{%
2400 \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2401 \let\beamer@mpfn=\@mpfn%
2402 \let\beamer@thempfn=\thempfn%
2403 \let\beamer@kvorig=KV@errx%
2404 \let\beamer@xkvorig=XKV@err
2405 \def\beamer@footarg{%
2406 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2407 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2408 \setkeys{beamerfootnote}{#1}%
2409 \let\KV@errx=\beamer@kvorig%
2410 \let\XKV@errx=\beamer@xkvorig
2411 \ifx\beamer@footarg\@empty%
2412 \def\beamer@next{\stepcounter\beamer@mpfn
2413 \protected@xdef\@thefnmark{\beamer@thempfn}%
2414 \@footnotemark\beamer@LTRfootnotetext#2}%
2415 \else%
2416 \def\beamer@next{%
2417 \begingroup
2418 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2419 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2420 \endgroup
2421 \@footnotemark\beamer@LTRfootnotetext#2}%
2422 \fi%
2423 \beamer@next}
2424
2425

```

20 File beamerbaseframesize-xetex-bidi.def



```

2426 \ProvidesFile{beamerbaseframesize-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beam
2427 \def\beamer@framezoom<#1><#2>[#3] (#4,#5) (#6,#7){%
2428   \par\nointerlineskip%
2429   \global\beamer@slidehaszoomtrue%
2430   \advance\beamer@zoomcount by1\relax%
2431   \def\beamer@zoomborderwidth{0}%
2432   \edef\beamer@labelzoomed{beamer@labelzoomed@the\beamer@zoomframecount @the\beamer@zoomo
2433   \setkeys{beamerzoom}{#3}%
2434   \only<#1>{%
2435     {\hypersetup{pdfhighlight={/P},pdfborder={0 0 \beamer@zoomborderwidth}}}%
2436     \global\setbox\@tempboxa=\vbox{\hyperlink{\beamer@labelzoomed}{%
2437       \expandafter\ifx\csname XeTeXrevision\endcsname\relax
2438         \vbox to #7{%
2439           \hbox to#6{\hfil}%
2440           \vfil%
2441         }%
2442       \else%
2443         \begingroup%
2444         \normalsize%
2445         \begin{pgfpicture}{0pt}{0pt}{#6}{#7}%
2446         \pgfsetfillopacity{0}
2447         \pgftext[x=0cm,y=3pt]{.}
2448         \pgftext[x=#6,y=\dimexpr#7-\baselineskip+3pt]{.}
2449         \end{pgfpicture}%
2450         \endgroup%
2451       \fi%
2452     }}%
2453     \ht\@tempboxa=0pt%
2454     \wd\@tempboxa=0pt%
2455     \dp\@tempboxa=0pt%
2456     \setbox\@tempboxa=\vbox{\if@RTL\moveleft\else\moveright\fi#4\hbox{\lower#5\vbox{\box\@t
2457     \ht\@tempboxa=0pt%
2458     \wd\@tempboxa=0pt%
2459     \dp\@tempboxa=0pt%
2460     \global\setbox\beamer@zoombox=\vbox to0pt{\unvbox\beamer@zoombox\box\@tempboxa}%
2461   }%
2462   \only<#2>{%
2463     \@ifundefined{\beamer@labelzoomed}%
2464     {%
2465       \hypertarget{\beamer@labelzoomed}{}%
2466       \expandafter\gdef\csname\beamer@labelzoomed\endcsname{%
2467     }{}%
2468     \gdef\beamer@zoomer{%
2469       % compute zoom factor
2470       \@tempdima=\beamer@frametextheight%
2471       \@tempdimb=#7\relax%
2472       \@tempcnta=\@tempdimb%
2473       \divide\@tempcnta by4096\relax%
2474       \multiply\@tempdima by16\relax%
2475       \divide\@tempdima by\@tempcnta%
2476       \@tempdimb=\paperwidth%
2477       \ifbeamer@plainframe%
2478       \else%
2479         \advance\@tempdimb by-\beamer@leftsidebar%

```



```

2480     \advance\@tempdimb by-\beamer@rightsidebar\relax%
2481     \fi%
2482     \@tempdimc=#6\relax%
2483     \@tempcntb=\@tempdimc%
2484     \divide\@tempcntb by4096\relax%
2485     \multiply\@tempdimb by16\relax%
2486     \divide\@tempdimb by\@tempcntb%
2487     \ifdim\@tempdimb<\@tempdima%
2488         \@tempdima=\@tempdimb%
2489     \fi%
2490     \edef\beamer@temp{\stripopt\@tempdima}%
2491     \@tempdimc=\beamer@frametextheight%
2492     \advance\@tempdimc by4pt%
2493     \@tempdimb=\paperwidth%
2494     \ifbeamer@plainframe%
2495     \else%
2496         \advance\@tempdimb by-\beamer@leftsidebar%
2497         \advance\@tempdimb by-\beamer@rightsidebar\relax%
2498     \fi%
2499     \setbox\@tempboxa=\vbox{\hsize=\@tempdimb\Acrobatmenu{GoBack}{\vbox to
2500         \beamer@frametextheight{\hbox to\@tempdimb{\hfil}\vfil}}}%
2501     \ht\@tempboxa=0pt%
2502     \wd\@tempboxa=0pt%
2503     \dp\@tempboxa=0pt%
2504     \setbox\beamer@framebox=\vbox to\beamer@frametextheight{{%
2505         \ifbeamer@plainframe\beamer@leftmargin=\Gm\lmargin\fi%
2506         \ifRTL
2507             \begin{pgfpicture}{\paperwidth-\beamer@leftmargin}{-\beamer@frametextheight}{\paperwidth-\beamer@leftmargin}{\beamer@frametextheight}
2508                 \pgftext[right,top]{\box\@tempboxa}
2509                 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2510                 \pgfusepath{clip}
2511                 \begingroup
2512                     \pgftransformscale{\beamer@temp}
2513                     \@tempdima=#4\relax%
2514                     \@tempdimb=#5\relax%
2515                     {\pgftransformshift{\pgfpoint{\@tempdima+#6}{\@tempdimb}}%
2516                     \pgftext[right,top]{\vbox{\vbox{}}\nointerlineskip\unvbox\beamer@framebox}}
2517                 \endgroup
2518             \end{pgfpicture}%
2519         \else
2520             \begin{pgfpicture}{\beamer@leftmargin}{-\beamer@frametextheight}{\beamer@leftmargin}{\beamer@frametextheight}
2521                 \pgftext[left,top]{\box\@tempboxa}
2522                 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2523                 \pgfusepath{clip}
2524                 \begingroup
2525                     \pgftransformscale{\beamer@temp}
2526                     \@tempdima=#4\relax%
2527                     \@tempdimb=#5\relax%
2528                     {\pgftransformshift{\pgfpoint{-\@tempdima}{\@tempdimb}}%
2529                     \pgftext[left,top]{\vbox{\vbox{}}\nointerlineskip\unvbox\beamer@framebox}}
2530                 \endgroup
2531             \end{pgfpicture}%
2532         \fi
2533     }}%

```



```

2534     \setbox\beamer@framebox=\vbox{%
2535       \nobreak\vbox{\nobreak\par\nobreak\beamer@entrycode\nobreak%
2536         \nointerlineskip\unvbox\beamer@frametitlebox%
2537         \nobreak%
2538         \box\beamer@framebox%
2539         \nobreak%
2540         \vss%
2541         \beamer@exitcode%
2542     }%
2543     \global\setbox\beamer@footins=\box\voidb@x% no footnotes in zoomed slides
2544 }%
2545 }%
2546 }
2547
2548

```

21 File beamerbaselocalstructure-xetex-bidi.def

```

2549 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
2550 \def\beamer@enum@{%
2551   \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix
2552   \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2553   \bgroup
2554   \usebeamerfont[fg]{itemize/enumerate \beameritemnestingprefix body}%
2555   \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2556   \egroup
2557   \expandafter
2558   \list
2559     {\usebeamertemplate{\beamer@enumtempl}}
2560     {\usecounter\@enumctr%
2561       \def\makelabel##1{\hss\llap{%
2562         \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2563         \usebeamerfont[fg]{enumerate \beameritemnestingprefix item}##1}}}}%
2564   \beamer@cramped%
2565   \bidi@beamer@ragged%
2566   \beamer@firstlineitemizeunskip%
2567 }
2568
2569 \renewcommand{\itemize}[1] [] {%
2570   \ifblank{#1}{\def\beamer@defaultospec{#1}}%
2571   \ifnum \@itemdepth >2\relax\@toodeep\else
2572     \advance\@itemdepth\@ne
2573     \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix
2574     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2575     \bgroup
2576     \usebeamerfont[fg]{itemize/enumerate \beameritemnestingprefix body}%
2577     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2578     \egroup
2579     \list
2580       {\usebeamertemplate{itemize \beameritemnestingprefix item}}
2581       {\def\makelabel##1{%
2582         {%
2583           \hss\llap{%
2584             \usebeamerfont*{itemize \beameritemnestingprefix item}%

```



```

2585         \usebeamercolor[fg]{itemize \beameritemnestingprefix item}##1}}%
2586     }%
2587 }%
2588 }
2589 \fi%
2590 \beamer@cramped%
2591 \bidi@beamer@ragged%
2592 \beamer@firstlineitemizeunskip%
2593 }
2594
2595 \def\@@description{%
2596   \advance\beamer@descdefault by \labelsep%
2597   \usebeamerfont{description body}%
2598   \bgroup
2599   \usebeamercolor[fg]{description body}%
2600   \usebeamerfont{description body begin}%
2601   \egroup
2602   \list
2603   {}
2604   {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descri
2605   \beamer@cramped%
2606   \bidi@beamer@ragged
2607   \beamer@firstlineitemizeunskip%
2608 }
2609
2610 \renewenvironment{thebibliography}[1]
2611 {%\leavevmode\unskip%
2612 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
2613 \bidi@thebibliography@font@hook%
2614 \list{\biblabel{\@arabic\c@enumiv}}%
2615     {\settoheight\labelwidth{\beamer@biblabeltemplate{\@biblabel{#1}}}%
2616     \leftmargin\labelwidth
2617     \advance\leftmargin\labelsep
2618     \itemsep=0pt%
2619     \partopsep=0pt%
2620     \topsep=0pt%
2621     \usecounter{enumiv}%
2622     \let\p@enumiv\@empty
2623     \renewcommand\theenumiv{\@arabic\c@enumiv}
2624     \let\makelabel\beamer@biblabeltemplate}%
2625 \sloppy\bidi@beamer@ragged
2626 \clubpenalty10000
2627 \@clubpenalty \clubpenalty
2628 \widowpenalty10000%
2629 \sfcode`.\@m}
2630 {\def\@noitemerr
2631   {\@latex@warning{Empty `thebibliography' environment}}%
2632   \ifhmode\unskip\fi\endlist}
2633
2634

```

22 File beamerbasemisc-xetex-bidi.def

```

2635 \ProvidesFile{beamerbasemisc-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamerbas

```



```

2636 \define@key{beamerst}{width}{%
2637   \def\beamer@ststart{%
2638     \begin{minipage}[t]{#1}%
2639       \bidi@beamer@ragged
2640       \beamer@stalign
2641       \beamer@stlinebreakrule
2642     }%
2643   \def\beamer@stend{\end{minipage}}}}
2644
2645

```

23 File beamerbasenavigation-xetex-bidi.def

```

2646 \ProvidesFile{beamerbasenavigation-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for bea
2647 \def\slideentry#1#2#3#4#5#6{%
2648   %section number, subsection number, slide number, first/last frame, page number, part num
2649   \ifnum#6=\c@part\ifnum#1>0\ifnum#3>0%
2650     \ifbeamer@compress%
2651       \advance\beamer@xpos by1\relax%
2652     \else%
2653       \ifnum#2=0%
2654         \beamer@ypos@offset=1\relax%
2655       \fi
2656       \beamer@xpos=#3\relax%
2657       \beamer@ypos=#2\relax%
2658       \advance\beamer@ypos by \beamer@ypos@offset\relax
2659     \fi%
2660   \hbox to 0pt{%
2661     \beamer@tempdim=-\beamer@vboxoffset%
2662     \advance\beamer@tempdim by-\beamer@boxsize%
2663     \multiply\beamer@tempdim by\beamer@ypos%
2664     \advance\beamer@tempdim by -.05cm%
2665     \raise\beamer@tempdim\hbox{%
2666       \beamer@tempdim=\beamer@boxsize%
2667       \multiply\beamer@tempdim by\beamer@xpos%
2668       \advance\beamer@tempdim by -\beamer@boxsize%
2669       \advance\beamer@tempdim by 1pt%
2670       \kern\beamer@tempdim
2671       \global\beamer@section@min@dim\beamer@tempdim
2672       \hbox{\beamer@link(#4){%
2673         \usebeamerfont{mini frame}%
2674         \ifnum\c@section=#1%
2675           \ifnum\c@subsection=#2%
2676             \usebeamercolor[fg]{mini frame}%
2677             \ifnum\c@subsectionslide=#3%
2678               \usebeamertemplate{mini frame}%\beamer@minislidehighlight%
2679             \else%
2680               \usebeamertemplate{mini frame in current subsection}%\beamer@minisliderowhi
2681             \fi%
2682           \else%
2683             \usebeamercolor{mini frame}%
2684             \%color{fg!50!bg}%
2685             \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2686           \fi%

```




```

2687         \else%
2688             \usebeamercolor{mini frame}%
2689             %\color{fg!50!bg}%
2690             \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2691         \fi%
2692     }}}} \hskip-10cm plus 1fil%
2693 } \fi \fi%
2694 \else%
2695 \fakeslideentry{#1}{#2}{#3}{#4}{#5}{#6}%
2696 \fi \ignorespaces
2697 }
2698
2699 \pgfdefobject{bidi@beamer@RTL@gotosymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2700 {
2701     \pgfpathqmoveto{3.5bp}{0.5bp}
2702     \pgfpathqlineto{1.5bp}{2bp}
2703     \pgfpathqlineto{3.5bp}{3.5bp}
2704     \pgfusepathqfill
2705 }
2706
2707 \def\insertgotosymbol{%
2708 \if@RTL
2709     \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2710         \pgfuseobject{bidi@beamer@RTL@gotosymbol}%
2711     \end{pgfpicture}%
2712 \else
2713     \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2714         \pgfuseobject{beamergotosymbol}%
2715     \end{pgfpicture}%
2716 \fi
2717 }
2718
2719 \pgfdefobject{bidi@beamer@RTL@skipsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{7pt}{5pt}}
2720 {
2721     \pgfpathqmoveto{5.5bp}{0.5bp}
2722     \pgfpathqlineto{3.5bp}{2bp}
2723     \pgfpathqlineto{5.5bp}{3.5bp}
2724     \pgfpathqmoveto{3.5bp}{0.5bp}
2725     \pgfpathqlineto{1.5bp}{2bp}
2726     \pgfpathqlineto{3.5bp}{3.5bp}
2727     \pgfusepathqfill
2728 }
2729
2730 \def\insertskipsymbol{%
2731 \if@RTL
2732     \begin{pgfpicture}{-1pt}{0pt}{6pt}{5pt}
2733         \pgfuseobject{bidi@beamer@RTL@skipsymbol}%
2734     \end{pgfpicture}%
2735 \else
2736     \begin{pgfpicture}{1pt}{0pt}{8pt}{5pt}
2737         \pgfuseobject{beamerskipsymbol}%
2738     \end{pgfpicture}%
2739 \fi
2740 }

```



```

2741
2742 \pgfdefobject{bidi@beamer@RTL@returnsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2743 {
2744   \pgfpathmoveto{1.5bp}{0.5bp}
2745   \pgfpathqlineto{3.5bp}{2bp}
2746   \pgfpathqlineto{1.5bp}{3.5bp}
2747   \pgfusepathqfill
2748 }
2749
2750 \def\insertreturnsymbol{%
2751 \if@RTL
2752   \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2753     \pgfuseobject{bidi@beamer@RTL@returnsymbol}%
2754   \end{pgfpicture}%
2755 \else
2756   \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2757     \pgfuseobject{beamerreturnsymbol}%
2758   \end{pgfpicture}%
2759 \fi
2760 }
2761
2762

```

24 File beamerbaseoverlay-xetex-bidi.def

```

2763 \ProvidesFile{beamerbaseoverlay-xetex-bidi.def}[2022/06/10 v0.1 bidi adaptations for beamer]
2764 \renewcommand<>{\color}{\alt#1{beameroriginal{color}}{beamer@gobbleoptionalinsp}}
2765
2766

```

25 File beamerinnerthemedefault-xetex-bidi.def

```

2767 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/27 v0.6 bidi adaptations for beamer]
2768 \newcommand*{\bidi@beamer@leftskip}{%
2769   \if@RTL
2770     \rightskip
2771   \else
2772     \leftskip
2773   \fi
2774 }
2775
2776 \newcommand*{\bidi@beamer@rightskip}{%
2777   \if@RTL
2778     \leftskip
2779   \else
2780     \rightskip
2781   \fi
2782 }
2783
2784 \bidi@csundef{beamer@tmpop@subsection in toc@default}
2785
2786 \bidi@csundef{beamer@tmpop@subsubsection in toc@default}
2787
2788 \defbeamertemplate*{subsection in toc}{default}

```



```

2789 {\leavevmode\bidi@beamer@leftskip=1.5em\inserttocsubsection\par}
2790
2791 \defbeamertemplate*{subsubsection in toc}{default}
2792 {\leavevmode\normalsize\usebeamerfont{subsubsection in toc}\bidi@beamer@leftskip=3em%
2793 \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2794
2795 \newcommand*{\bidi@beamer@blacktriangle}{%
2796 \if@RTL
2797 $\blacktriangleleft$%
2798 \else
2799 $\blacktriangleright$%
2800 \fi
2801 }
2802
2803 \bidi@csundef{beamer@@tmpop@itemize item@default}
2804
2805 \bidi@csundef{beamer@@tmpop@itemize subitem@default}
2806
2807 \bidi@csundef{beamer@@tmpop@itemize subsubitem@default}
2808
2809 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{\
2810 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\h
2811 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1
2812
2813 \bidi@undef\beamer@@tmpop@footnote@default
2814
2815 \defbeamertemplate*{footnote}{default}
2816 {
2817 \parindent 1em\noindent%
2818 \bidi@beamer@ragged
2819 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2820 }
2821
2822 \defbeamertemplate*{RTLfootnote}{default}
2823 {
2824 \parindent 1em\noindent%
2825 \raggedleft
2826 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2827 }
2828
2829 \defbeamertemplate*{LTRfootnote}{default}
2830 {
2831 \parindent 1em\noindent%
2832 \raggedright
2833 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2834 }
2835
2836 \bidi@undef\beamer@@tmpop@caption@default
2837
2838 \defbeamertemplate*{caption}{default}
2839 {%
2840 \bidi@beamer@ragged
2841 {%
2842 \leavevmode

```



```

2843 \usebeamerfont[fg]{caption name}%
2844 \usebeamerfont*{caption name}%
2845 \insertcaptionname
2846 \usebeamertemplate{caption label separator}%
2847 }%
2848 \insertcaption\par
2849 }
2850
2851 \bidi@csundef{beamer@tmpop@block begin@default}
2852
2853 \bidi@csundef{beamer@tmpop@block alerted begin@default}
2854
2855 \bidi@csundef{beamer@tmpop@block example begin@default}
2856
2857 \defbeamertemplate*{block begin}{default}
2858 {
2859 \par\vskip\medskipamount%
2860 \begin{beamercolorbox}[colsep*=.75ex]{block title}
2861 \usebeamerfont*{block title}\insertblocktitle%
2862 \end{beamercolorbox}%
2863 {\parskip0pt\par}%
2864 \ifbeamercoloreempty[bg]{block title}
2865 {}
2866 {\ifbeamercoloreempty[bg]{block body}{\nointerlineskip\vskip-0.5pt}}%
2867 \usebeamerfont{block body}%
2868 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body}%
2869 \ifbeamercoloreempty[bg]{block body}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+base}
2870 }
2871
2872 \defbeamertemplate*{block alerted begin}{default}
2873 {
2874 \par\vskip\medskipamount%
2875 \begin{beamercolorbox}[colsep*=.75ex]{block title alerted}
2876 \usebeamerfont*{block title alerted}\insertblocktitle%
2877 \end{beamercolorbox}%
2878 {\parskip0pt\par}%
2879 \ifbeamercoloreempty[bg]{block title alerted}
2880 {}
2881 {\ifbeamercoloreempty[bg]{block body alerted}{\nointerlineskip\vskip-0.5pt}}%
2882 \usebeamerfont{block body alerted}%
2883 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body alerted}%
2884 \ifbeamercoloreempty[bg]{block body alerted}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75}
2885 }
2886
2887 \defbeamertemplate*{block example begin}{default}
2888 {
2889 \par\vskip\medskipamount%
2890 \begin{beamercolorbox}[colsep*=.75ex]{block title example}
2891 \usebeamerfont*{block title example}\insertblocktitle%
2892 \end{beamercolorbox}%
2893 {\parskip0pt\par}%
2894 \ifbeamercoloreempty[bg]{block title example}
2895 {}
2896 {\ifbeamercoloreempty[bg]{block body example}{\nointerlineskip\vskip-0.5pt}}%

```



```

2897 \usebeamerfont{block body example}%
2898 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body example}%
2899 \ifbeamercoloreempty[bg]{block body example}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75
2900 }
2901
2902 \bidi@csundef{beamer@@tmpop@abstract begin@default}
2903
2904 \defbeamertemplate*{abstract begin}{default}
2905 {\beamercolorbox[vmode]{abstract}\bidi@beamer@leftskip2em\bidi@beamer@rightskip2em plus 1fi
2906
2907 \bidi@undef\beamer@@tmpop@button@default
2908
2909 \defbeamertemplate*{button}{default}
2910 {%
2911 \setbox\beamer@tempbox=\hbox{\insertbuttontext}}%
2912 \ht\beamer@tempbox=6pt%
2913 \dp\beamer@tempbox=0pt%
2914 \setbox\beamer@tempbox=\vbox{\box\beamer@tempbox\vskip2pt}%
2915 \beamer@tempdim=\wd\beamer@tempbox%
2916 \beamer@dima=\beamer@tempdim\advance\beamer@dima by2.2pt
2917 \beamer@dimb=\beamer@tempdim\advance\beamer@dimb by4pt
2918 \if@RTL
2919 \kern4pt%
2920 \box\beamer@tempbox%
2921 \hskip-\beamer@tempdim%
2922 \fi
2923 \begin{pgfpicture}{-4pt}{0pt}{\the\beamer@tempdim}{8pt}
2924 \color{bg}
2925 \pgfsetlinewidth{0.8pt}
2926 \pgfpathmoveto{0pt}{0pt}
2927 \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2928 \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2929 \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2930 \pgfpathcurveto%
2931 {\pgfpoint{\the\beamer@dima}{8pt}}%
2932 {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2933 {\pgfpoint{\the\beamer@dimb}{4pt}}
2934 \pgfpathcurveto%
2935 {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2936 {\pgfpoint{\the\beamer@dima}{0pt}}%
2937 {\pgfpoint{\the\beamer@tempdim}{0pt}}
2938 \pgfpathclose
2939 \pgfusepathqfill
2940 \colorlet{bg}{parent.bg}
2941 \usebeamercolor[fg]{button border}
2942 \pgfpathmoveto{0pt}{0pt}
2943 \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2944 \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2945 \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2946 \pgfpathcurveto%
2947 {\pgfpoint{\the\beamer@dima}{8pt}}%
2948 {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2949 {\pgfpoint{\the\beamer@dimb}{4pt}}
2950 \pgfpathcurveto%

```



```

2951   {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2952   {\pgfpoint{\the\beamer@dima}{0pt}}%
2953   {\pgfpoint{\the\beamer@tempdim}{0pt}}
2954   \pgfpathclose
2955   \pgfusepathqstroke
2956   \end{pgfpicture}%
2957   \if@RTL
2958   \else
2959     \hskip-\beamer@tempdim%
2960     \box\beamer@tempbox%
2961     \kern4pt%
2962   \fi
2963 }
2964
2965

```

26 File beamerinnerthemecircles-xetex-bidi.def

```

2966 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for
2967 \setbeamertemplate{sections/subsections in toc}[circle]
2968

```

27 File beamerinnerthemefocus-xetex-bidi.def

```

2969 \ProvidesFile{beamerinnerthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for be
2970 \setbeamertemplate{section in toc}[square]
2971 \setbeamertemplate{subsection in toc}[square]
2972
2973 \setbeamertemplate{itemize items}[square]
2974 \setbeamertemplate{itemize subitem}[triangle]
2975
2976 \bidi@csundef{beamer@@tmpop@title page@focus}
2977
2978 \defbeamertemplate*{title page}{focus}{%
2979   {%
2980     \usebeamercolor{frametitle}\colorlet{focus@temp}{bg}%
2981     \begin{tikzpicture}[overlay, remember picture]
2982       \fill[color=focus@temp] (current page.north west) rectangle ([shift = {(0, -0.
2983     \end{tikzpicture}
2984   }
2985
2986   \vspace{-1.65\baselineskip}
2987   \begin{minipage}[b] [0.35\paperheight]{\textwidth}
2988     \vspace{\baselineskip}
2989     \usebeamerfont{title}
2990     \usebeamercolor[fg]{frametitle}
2991     \inserttitle
2992   \end{minipage}
2993
2994   \begin{minipage}[t] [0.1\paperheight]{\textwidth}
2995     \usebeamerfont{subtitle}
2996     \usebeamercolor[fg]{frametitle}
2997     \insertsubtitle
2998   \end{minipage}

```



```

2999
3000 % Set the title graphic in a zero-height box, so that
3001 % the position of other elements is not affected.
3002 {\vfuuzz=9999pt\vbox to 0pt {
3003   \if@RTL
3004     \raggedright
3005   \else
3006     \raggedleft
3007   \fi
3008   \inserttitlegraphic
3009 }}
3010
3011 \begin{minipage}[t]{\textwidth}
3012   \usebeamerfont{author}
3013   \insertauthor
3014 \end{minipage}
3015
3016 \vspace*{\baselineskip}
3017 \begin{minipage}[t]{\textwidth}
3018   \usebeamerfont{institute}
3019   \insertinstitute
3020 \end{minipage}
3021
3022 \vspace*{\baselineskip}
3023 \begin{minipage}[t]{\textwidth}
3024   \usebeamerfont{date}
3025   \insertdate
3026 \end{minipage}
3027
3028 \vspace*{0pt plus 100fill}
3029
3030 \addtocounter{framenummer}{-1}
3031 \addtocounter{realframenummer}{-1}
3032 }
3033
3034
3035

```

28 File beamerinnerthemeinmargin-xetex-bidi.def

```

3036 \ProvidesFile{beamerinnerthemeinmargin-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for
3037 \AtBeginDocument{%
3038   \setbeamersize{sidebar width left=.25\paperwidth}%
3039 }
3040
3041 \bidi@csundef{beamer@@tmpop@section in toc@inmargin}
3042
3043 \bidi@csundef{beamer@@tmpop@title page@inmargin}
3044
3045 \bidi@csundef{beamer@@tmpop@block begin@inmargin}
3046
3047 \bidi@csundef{beamer@@tmpop@block end@inmargin}
3048
3049 \bidi@csundef{beamer@@tmpop@block alerted begin@inmargin}

```



```

3050
3051 \bidi\csundef{beamer@tmpop@block alerted end@inmargin}
3052
3053 \bidi\csundef{beamer@tmpop@block example begin@inmargin}
3054
3055 \bidi\csundef{beamer@tmpop@block example end@inmargin}
3056
3057 \defbeamertemplate*{section in toc}{inmargin}
3058 {\leavevmode
3059   \beamer@putleft{\usebeamercolor[fg]{section in toc}\inserttocsection}\strut}{2.5ex}}
3060
3061 \defbeamertemplate*{title page}{inmargin}
3062 {
3063   \begin{block}{\inserttitleindicator}
3064     \bgroup\usebeamercolor[fg]{title}\usebeamerfont{title}\inserttitle\egroup\par
3065     \usebeamercolor[fg]{subtitle}\usebeamerfont{subtitle}\insertsubtitle
3066   \end{block}
3067   \vfill
3068   \ifx\insertauthor\@empty
3069   \else
3070     \begin{block}{\insertauthorindicator}
3071       \bgroup\usebeamercolor[fg]{author}\usebeamerfont{author}\insertauthor\egroup\par
3072     \end{block}
3073   \fi
3074   \ifx\insertinstitute\@empty
3075   \else
3076     \begin{block}{\insertinstituteindicator}
3077       \bgroup\usebeamercolor[fg]{institute}\usebeamerfont{institute}\insertinstitute\egroup\par
3078     \end{block}
3079   \fi
3080   \ifx\insertdate\@empty
3081   \else
3082     \begin{block}{\insertdateindicator}
3083       \bgroup\usebeamercolor[fg]{date}\usebeamerfont{date}\insertdate\egroup\par
3084     \end{block}
3085   \fi
3086 }
3087
3088 \defbeamertemplate*{block begin}{inmargin}
3089 {
3090   \par\vskip\medskipamount%
3091   \leavevmode%
3092   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title}\usebeamerfont*{block title}}\par}
3093   \beginL\beamer@putright
3094   %\usebeamercolor[fg]{block body}% to be done!
3095 }
3096
3097 \defbeamertemplate*{block end}{inmargin}
3098 {\endbeamer@putright\endL\vskip\smallskipamount}
3099
3100 \defbeamertemplate*{block alerted begin}{inmargin}
3101 {
3102   \par\vskip\medskipamount%
3103   \leavevmode%

```




```

3104 \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title alerted}\usebeamerfont*{block
3105 \beginL\beamer@putright
3106 %\usebeamercolor[fg]{block body alerted}% to be done!
3107 }
3108
3109 \defbeamertemplate*{block alerted end}{inmargin}
3110 {\endbeamer@putright\endL\vskip\smallskipamount}
3111
3112 \defbeamertemplate*{block example begin}{inmargin}
3113 {
3114 \par\vskip\medskipamount%
3115 \leavevmode%
3116 \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title example}\usebeamerfont*{block
3117 \beginL\beamer@putright
3118 %\usebeamercolor[fg]{block body example}% to be done
3119 }
3120
3121 \defbeamertemplate*{block example end}{inmargin}
3122 {\endbeamer@putright\endL\vskip\smallskipamount}
3123
3124 \bidi@AfterFile{beamerinnerthemerectangles-xetex-bidi.def}{%
3125 \setbeamertemplate{section in toc}[inmargin]%
3126 \setbeamertemplate{subsection in toc}[inmargin]%
3127 \setbeamertemplate{subsubsection in toc}[inmargin]%
3128 }
3129
3130

```

29 File beamerinnerthememetropolis-xetex-bidi.def

```

3131 \ProvidesFile{beamerinnerthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations f
3132 \setbeamertemplate{title}{
3133 \bidi@beamer@ragged%
3134 \linespread{1.0}%
3135 \inserttitle%
3136 \par%
3137 \vspace*{0.5em}
3138 }
3139
3140 \setbeamertemplate{subtitle}{
3141 \bidi@beamer@ragged%
3142 \insertsubtitle%
3143 \par%
3144 \vspace*{0.5em}
3145 }
3146
3147 \bidi@csundef{beamer@tmpop@section page@progressbar}
3148
3149 \defbeamertemplate{section page}{progressbar}{
3150 \centering
3151 \begin{minipage}{22em}
3152 \bidi@beamer@ragged
3153 \usebeamercolor[fg]{section title}
3154 \usebeamerfont{section title}

```



```

3155 \insertsectionhead\[-1ex]
3156 \usebeamertemplate*{progress bar in section page}
3157 \par
3158 \ifx\insertsubsectionhead\@empty\else%
3159 \usebeamercolor[fg]{subsection title}%
3160 \usebeamerfont{subsection title}%
3161 \insertsubsectionhead
3162 \fi
3163 \end{minipage}
3164 \par
3165 \vspace{\baselineskip}
3166 }
3167
3168 \setbeamertemplate{progress bar in section page}{
3169 \setlength{\metropolis@progressonsectionpage}{%
3170 \textwidth * \ratio{\insertframenum pt}{\inserttotalframenum pt}}%
3171 }%
3172 \begin{tikzpicture}
3173 \fill[bg] (0,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3174 \if@RTLmain
3175 \fill[fg] (\textwidth-\metropolis@progressonsectionpage,0) rectangle (\textwidth, \metr
3176 \else
3177 \fill[fg] (0,0) rectangle (\metropolis@progressonsectionpage, \metropolis@progressonse
3178 \fi
3179 \end{tikzpicture}%
3180 }
3181
3182 \renewcommand{\metropolis@block}[1]{
3183 \par\vskip\medskipamount%
3184 \setlength{\parskip}{0pt}
3185 \ifbeamercoloreempty[bg]{block title#1}{%
3186 \if@RTL
3187 \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3188 \else
3189 \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3190 \fi
3191 }{%
3192 \ifbeamercoloreempty[bg]{block title}{%
3193 \if@RTL
3194 \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3195 \else
3196 \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3197 \fi
3198 }%
3199 }%
3200 \if@RTL
3201 \begin{beamercolorbox}[
3202 sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3203 rightskip=\metropolis@blockadjust,
3204 leftskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3205 ]{block title#1}%
3206 \else
3207 \begin{beamercolorbox}[
3208 sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,

```



```

3209     leftskip=\metropolis@blockadjust,
3210     rightskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3211   ]{block title#1}%
3212   \fi
3213 }}%
3214   \usebeamerfont*{block title#1}%
3215   \metropolis@strut%
3216   \insertblocktitle%
3217   \metropolis@strut%
3218   \end{beamercolorbox}%
3219   \nointerlineskip%
3220   \ifbeamercolorempy[bg]{block body#1}{%
3221     \begin{beamercolorbox}[vmode]{block body#1}}{
3222   \ifbeamercolorempy[bg]{block body}{%
3223     \begin{beamercolorbox}[vmode]{block body#1}%
3224   }{%
3225     \begin{beamercolorbox}[sep=\metropolis@blocksep, vmode]{block body#1}%
3226     \vspace{-\metropolis@parskip}
3227   }}%
3228     \usebeamerfont{block body#1}%
3229     \setlength{\parskip}{\metropolis@parskip}%
3230 }
3231
3232
3233 \setbeamertemplate{footnote}{%
3234   \parindent 0em\noindent%
3235   \bidi@beamer@ragged
3236   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3237 }
3238
3239 \setbeamertemplate{RTLfootnote}{%
3240   \parindent 0em\noindent%
3241   \raggedleft
3242   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3243 }
3244
3245 \setbeamertemplate{LTRfootnote}{%
3246   \parindent 0em\noindent%
3247   \raggedright
3248   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3249 }
3250
3251 \setbeamertemplate{itemize items}{\textbullet}
3252
3253 \setbeamertemplate{section page}[progressbar]
3254
3255

```

30 File beamerinnerthemerectangles-xetex-bidi.def

```

3256 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations f
3257 \setbeamertemplate{sections/subsections in toc}[square]
3258 \setbeamertemplate{items}[square]
3259

```



31 File beamerinnerthemrounded-xetex-bidi.def

```
3260 \ProvidesFile{beamerinnerthemrounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for
3261 \setbeamertemplate{blocks}[rounded][shadow=\beamer@themrounded@shadow]
3262 \setbeamertemplate{items}[ball]
3263 \setbeamertemplate{sections/subsections in toc}[ball]
3264
```

32 File beamerouterthemedefault-xetex-bidi.def

```
3265 \ProvidesFile{beamerouterthemedefault-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for
3266 \def\beamer@ftleft{\if@RTLmain\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by 1.7cm}
3267
3268 \def\beamer@fteright{\if@RTLmain\else\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by 1.7cm}
3269
3270 \AtBeginDocument{%
3271   \if@RTLmain
3272     \setbeamertemplate{frametitle}[default][right]
3273   \fi
3274 }
3275
3276 \bidi@csundef{beamer@@tmpop@note page@default}
3277
3278 \newcommand*{\bidi@beamer@today}{%
3279 \the\year-\ifnum\month<10\relax0\fi\the\month-\ifnum\day<10\relax0\fi\the\day}
3280
3281 \defbeamertemplate*{note page}{default}
3282 {%
3283   {%
3284     \scriptsize
3285     \usebeamerfont{note title}\usebeamercolor[fg]{note title}%
3286     \ifbeamercolorempy[bg]{note title}{}%
3287       \insertvrule{.25\paperheight}{note title.bg}%
3288       \vskip-.25\paperheight%
3289       \nointerlineskip%
3290     }%
3291     \vbox{
3292       \hfill\insertslideintonotes{0.25}\hskip-\Gm@rmargin\hskip0pt%
3293       \vskip-0.25\paperheight%
3294       \nointerlineskip
3295       \if@RTL
3296         \begin{pgfpicture}{-\textwidth}{0cm}{-\textwidth}{0cm}
3297           \begin{pgflowlevelscope}{\pgftransformrotate{-90}}
3298             {\pgftransformshift{\pgfpoint{2cm}{0.2cm}}%
3299             \pgftext[base,right]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3300             \end{pgflowlevelscope}
3301           \end{pgfpicture}%
3302         \else
3303         \begin{pgfpicture}{0cm}{0cm}{0cm}{0cm}
3304           \begin{pgflowlevelscope}{\pgftransformrotate{90}}
3305             {\pgftransformshift{\pgfpoint{-2cm}{0.2cm}}%
3306             \pgftext[base,left]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3307           \end{pgflowlevelscope}
3308         \end{pgfpicture}%
```



```

3309     \fi}
3310     \nointerlineskip
3311     \vbox to .25\paperheight{\vskip0.5em
3312     \if@RTL
3313         \moveright0.25\textwidth
3314     \fi
3315     \hbox{\insertshorttitle[width=0.75\textwidth]}%
3316     \setbox\beamer@tempbox=\hbox{\insertsection}%
3317
3318 \if@RTL
3319     \moveright\dimexpr0.29\textwidth-14pt\relax
3320 \fi
3321 \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip4pt\raise3pt\hbox{\vrule
3322     width0.4pt height7pt\vrule width 9pt
3323     height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}
3324     \if@RTL\endR\fi}%
3325     \setbox\beamer@tempbox=\hbox{\insertsubsection}%
3326
3327 \if@RTL
3328     \moveright\dimexpr0.29\textwidth-27.4pt\relax
3329 \fi     \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip17.4pt\raise3pt\hbox{\vrule
3330     width0.4pt height7pt\vrule width 9pt
3331     height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}
3332     \if@RTL\endR\fi}%
3333     \setbox\beamer@tempbox=\hbox{\insertshortframetitle}%
3334
3335 \if@RTL
3336     \moveright\dimexpr0.33\textwidth-40.8pt\relax
3337 \fi     \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip30.8pt\raise3pt\hbox{\vrule
3338     width0.4pt height7pt\vrule width 9pt
3339     height0.4pt}}\hskip1pt\hbox{\insertshortframetitle[width=0.67\textwidth]}\fi%
3340     \if@RTL\endR\fi}%
3341     \vfil}%
3342 }%
3343 \ifbeamercolorempy[bg]{note page}{}{%
3344     \nointerlineskip%
3345     \insertvrule{.75\paperheight}{note page.bg}%
3346     \vskip-.75\paperheight%
3347 }%
3348 \vskip.25em
3349 \nointerlineskip
3350 \insertnote
3351 }
3352
3353
3354

```

33 File beamerouterthemefocus-xetex-bidi.def

```

3355 \ProvidesFile{beamerouterthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for be
3356 \bidi@undef\beamer@@tmpop@footline@progressbar
3357
3358 \defbeamer*{footline}{progressbar}{%
3359     % If not appendix.

```



```

3360 \ifnum\mainend<0% From package appendixnumberbeamer.
3361 %
3362 \settowidth{\focus@pbar@leftoffset}{1}%
3363 \addtolength{\focus@pbar@leftoffset}{1.5em}%
3364 %
3365 \ifx\beamer@focus@totalframenummering\no%
3366 \settowidth{\focus@pbar@rightoffset}{}%
3367 \addtolength{\focus@pbar@rightoffset}{0.5em}%
3368 \else%
3369 \settowidth{\focus@pbar@rightoffset}{\inserttotalframenumber}%
3370 \addtolength{\focus@pbar@rightoffset}{1.5em}%
3371 \fi%
3372 %
3373 % If not title page.
3374 \ifnum\value{realframenumber}>0%
3375 \ifnum\value{framenumber}<\inserttotalframenumber%
3376 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]\usebeamerfont{footline}
3377 \pgfmathsetmacro{\focus@pbar@progress}%
3378 {(\paperwidth-\focus@pbar@leftoffset-\focus@pbar@rightoffset)*(\inserttotalframenumber-\value{framenumber})/\focus@pbar@rightoffset}
3379
3380 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3381 \if@RTLmain
3382 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@leftoffset,\the\focus@pbar@height);
3383 \fill[footline.bg] (\paperwidth-\the\focus@pbar@leftoffset,0) rectangle ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west];
3384 \else
3385 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@leftoffset,\the\focus@pbar@height);
3386 \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pbar@rightoffset,0) node[anchor=east];
3387 \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pbar@rightoffset,0) node[anchor=east];
3388 \fi
3389 \fi
3390 \ifx\beamer@focus@totalframenummering\no%
3391 \else%
3392 \if@RTLmain
3393 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@rightoffset,\the\focus@pbar@height);
3394 \fill[footline.bg] (0,0) rectangle ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west];
3395 \else
3396 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@rightoffset,\the\focus@pbar@height);
3397 \fill[footline.bg] (\paperwidth,0) rectangle ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west];
3398 \fi
3399 \fi
3400 \end{tikzpicture}%
3401 \else%
3402 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]
3403 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3404 \fill[footline.bg] (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3405 \if@RTLmain
3406 \node[anchor=west, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\focus@pbar@height}) {\value{framenumber}};
3407 \else
3408 \node[anchor=east, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\focus@pbar@height}) {\value{framenumber}};
3409 \fi
3410 \ifx\beamer@focus@totalframenummering\no%
3411 \else%
3412 \if@RTLmain
3413 \node[footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\focus@pbar@height}) {\value{framenumber}};

```



```

3414 \node[anchor=east, footline.fg] at ({\the\focus@pbar@rightoffset},{
3415 \else
3416 \node[footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0
3417 \node[anchor=west, footline.fg] at ({\paperwidth-\the\focus@pbar@ri
3418 \fi
3419 \fi%
3420 \end{tikzpicture}%
3421 \fi%
3422 \fi%
3423 \fi%
3424 }
3425
3426

```

34 File beamerouterthemeinfolines-xetex-bidi.def

```

3427 \ProvidesFile{beamerouterthemeinfolines-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations fo
3428 \bidi@csundef{beamer@tmpop@footline@infolines theme}
3429
3430 \defbeamertemplate*{footline}{infolines theme}
3431 {%
3432 \leavevmode%
3433 \hbox{%
3434 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot
3435 \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{
3436 \end{beamercolorbox}%
3437 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}
3438 \usebeamerfont{title in head/foot}\insertshorttitle
3439 \end{beamercolorbox}%
3440 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,
3441 \hfill%
3442 \usebeamerfont{date in head/foot}%
3443 \insertshortdate}%
3444 \hfill%
3445 \bgroup
3446 \usebeamerfont[fg]{page number in head/foot}%
3447 \usebeamerfont{page number in head/foot}%
3448 \usebeamertemplate{page number in head/foot}%
3449 \egroup
3450 \end{beamercolorbox}}%
3451 \vskip0pt%
3452 }
3453
3454 \bidi@csundef{beamer@tmpop@headline@infolines theme}
3455
3456 \defbeamertemplate*{headline}{infolines theme}
3457 {%
3458 \leavevmode%
3459 \hbox{%
3460 \if@RTL
3461 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{section in head/foot}%
3462 \else
3463 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{section in head/foot}%
3464 \fi

```



```

3465     \usebeamerfont{section in head/foot}\insertsectionhead\hspace*{2ex}
3466     \end{beamercolorbox}%
3467 \if@RTL
3468     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{subsection in head/foot}
3469 \else
3470     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{subsection in head/foot}
3471 \fi
3472     \usebeamerfont{subsection in head/foot}\hspace*{2ex}\insertsubsectionhead
3473     \end{beamercolorbox}}%
3474     \vskip0pt%
3475 }
3476
3477 \bidi@AfterFile{beamerouterthememetroplit-xetex-bidi.def}{%
3478     \setbeamertemplate{footline}[infolines theme]%
3479 }
3480

```

35 File beamerouterthememetropolis-xetex-bidi.def

```

3481 \ProvidesFile{beamerouterthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations f
3482 \setbeamertemplate{progress bar in head/foot}{
3483     \nointerlineskip
3484     \setlength{\metropolis@progressinheadfoot}{%
3485         \paperwidth * \ratio{\insertframenumbers pt}{\inserttotalframenumbers pt}%
3486     }%
3487     \begin{beamercolorbox}[wd=\paperwidth]{progress bar in head/foot}
3488         \begin{tikzpicture}
3489             \fill[bg] (0,0) rectangle (\paperwidth, \metropolis@progressinheadfoot@linewidth);
3490 \if@RTLmain
3491             \fill[fg] (\paperwidth-\metropolis@progressinheadfoot,0) rectangle (\paperwidth, \met
3492 \else
3493             \fill[fg] (0,0) rectangle (\metropolis@progressinheadfoot, \metropolis@progressinhead
3494 \fi
3495         \end{tikzpicture}%
3496     \end{beamercolorbox}
3497 }
3498
3499 \AtBeginDocument{%
3500     \setbeamertemplate{frametitle}[plain]%
3501 }
3502
3503

```

36 File beamerouterthememiniframes-xetex-bidi.def

```

3504 \ProvidesFile{beamerouterthememiniframes-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations f
3505 \bidi@csundef{beamer@tmpop@headline@miniframes theme}
3506
3507 \defbeamertemplate*{headline}{miniframes theme}
3508 {%
3509     \begin{beamercolorbox}[colsep=1.5pt]{upper separation line head}
3510     \end{beamercolorbox}
3511     \begin{beamercolorbox}{section in head/foot}
3512         \vskip2pt\if@RTL\beginR\fi\insertnavigation{\paperwidth}\if@RTL\endR\fi\vskip2pt

```




```

3513 \end{beamercolorbox}%
3514 \ifbeamer@theme@subsection%
3515   \begin{beamercolorbox}[colsep=1.5pt]{middle separation line head}
3516   \end{beamercolorbox}
3517   \if@RTL
3518   \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3519     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3520   \else
3521   \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3522     leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3523   \fi
3524   \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3525   \end{beamercolorbox}%
3526 \fi%
3527 \begin{beamercolorbox}[colsep=1.5pt]{lower separation line head}
3528 \end{beamercolorbox}
3529 }
3530
3531

```

37 File beamerouterthemesidebar-xetex-bidi.def

```

3532 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for
3533 \bidi@csundef{beamer@@tmpop@frametitle@sidebar theme}
3534
3535 \bidi@csundef{beamer@@tmpop@headline@sidebar theme}
3536
3537 \bidi@csundef{beamer@@tmpop@sidebar left@sidebar theme}
3538
3539 \bidi@csundef{beamer@@tmpop@sidebar right@sidebar theme}
3540
3541 \ifdim\beamer@headheight>0pt
3542
3543   \defbeamer*template*{frametitle}{sidebar theme}
3544   {%
3545     \nointerlineskip%
3546     \ifbeamer@plainframe%
3547       \hbox{\usebeamercolor[bg]{frametitle}%
3548         \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
3549         \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\bea
3550         \nointerlineskip%
3551       \fi%
3552       \vskip-\beamer@headheight%
3553       \vbox to \beamer@headheight{%
3554         \vfil
3555         \bidi@beamer@leftskip=-\beamer@leftmargin%
3556         \advance\bidi@beamer@leftskip by0.3cm%
3557         \bidi@beamer@rightskip=-\beamer@rightmargin%
3558         \advance\bidi@beamer@rightskip by0.3cm plus1fil%
3559         {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par
3560         \ifx\insertframesubtitle@empty\else%
3561           {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframes
3562         \fi%
3563       \vbox}%

```



```

3564     \vskip-1em%
3565     \vfil
3566   }%
3567 }
3568
3569 \AtBeginDocument{%
3570   \setbeamertheme{frametitle}[sidebar theme]%
3571 }
3572
3573 \defbeamertheme*{headline}{sidebar theme}
3574 {%
3575   \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
3576     \ifx\beamer@sidebarside\beamer@lefttext%
3577       \else%
3578         \hfill%
3579       \fi%
3580     \ifdim\beamer@sidebarwidth>0pt%
3581       \bgroup
3582       \usebeamercolor[bg]{logo}%
3583       \if@RTLmain
3584       \else
3585         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3586         \hskip-\beamer@sidebarwidth%
3587       \fi
3588       \hbox to \beamer@sidebarwidth{\hss\vbox to
3589         \beamer@headheight{\vss\hbox{\color{fg}\insertlogo}\vss}\hss}%
3590       \if@RTLmain
3591         \hskip-\beamer@sidebarwidth%
3592         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3593       \fi
3594       \egroup
3595     \else%
3596       \vrule width0pt height \beamer@headheight%
3597     \fi%
3598   \end{beamercolorbox}
3599 }
3600 \fi
3601
3602 \def\beamer@sidebarformat#1#2#3{%
3603 \if@RTL
3604   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,rightskip=#1,leftskip=1ex plus1fil,vmode]{
3605 \else
3606   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,leftskip=#1,rightskip=1ex plus1fil,vmode]{
3607 \fi
3608   \vbox{}%
3609   #3\par%
3610   \vbox{}%
3611   \vskip-1.5ex%
3612 \end{beamercolorbox}
3613 }
3614
3615 \ifdim\beamer@sidebarwidth>0pt
3616
3617 \AtBeginDocument{%

```



```

3618 \setbeamersize{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
3619 }
3620
3621 \defbeamertemplate*{sidebar \beamer@sidebarside}{sidebar theme}
3622 {
3623   \beamer@tempdim=\beamer@sidebarwidth%
3624   \advance\beamer@tempdim by -6pt%
3625   {\usebeamerfont{title in sidebar}%
3626     \vskip1.5em%
3627     \hskip3pt%
3628     \bgroup
3629     \usebeamercolor[fg]{title in sidebar}%
3630     \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3631     \vskip1.25em%
3632   }%
3633   {%
3634     \hskip3pt%
3635     \bgroup
3636     \usebeamercolor[fg]{author in sidebar}%
3637     \usebeamerfont{author in sidebar}%
3638     \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3639     \vskip1.25em%
3640   }%
3641   \insertverticalnavigation{\beamer@sidebarwidth}%
3642   \vfill
3643   \ifx\beamer@sidebarside\beamer@lefttext%
3644   \else%
3645     \usebeamercolor{normal text}%
3646     \llap{\usebeamerfont{navigation symbols}\hskip0.1cm}%
3647     \vskip2pt%
3648   \fi%
3649 }%
3650 \fi
3651

```

38 File beamerouterthemesplit-xetex-bidi.def

```

3652 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for be
3653 \bidi@csundef{beamer@tmpop@footline@split theme}
3654
3655 \defbeamertemplate*{footline}{split theme}
3656 {%
3657   \leavevmode%
3658   \hbox{\if@RTL\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm p
3659 \else
3660 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,rightsk
3661 \fi
3662   \usebeamerfont{author in head/foot}\insertshortauthor
3663   \end{beamercolorbox}%
3664   \if@RTL
3665     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm,leftskip=.3cm
3666 \else
3667     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm
3668 \fi

```



```

3669   \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bgroup\usebeamercolor
3670   \end{beamercolorbox}}%
3671   \vskip0pt%
3672 }
3673
3674

```

39 File beamerouterthemeshadow-xetex-bidi.def

```

3675 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/11 v0.3 bidi adaptations for b
3676 \pgfdeclarehorizontalshading[frametitle.bg,frametitle right.bg]{bidi@beamer@RTL@frametitles
3677   color(0pt)=(frametitle right.bg);
3678   color(\paperwidth)=(frametitle.bg)
3679 }
3680
3681 \newcommand*\bidi@beamer@frametitleshade{%
3682   \if@RTLmain
3683     \pgfuses shading{bidi@beamer@RTL@frametitleshade}%
3684   \else
3685     \pgfuses shading{beamer@frametitleshade}%
3686   \fi
3687 }
3688
3689 \bidi@csundef{beamer@@tmpop@frametitle@shadow theme}
3690
3691 \defbeamertemplate*{frametitle}{shadow theme}
3692 {%
3693   \nointerlineskip%
3694   \vskip-2pt%
3695   \hbox{\leavevmode
3696     \advance\beamer@leftmargin by -12bp%
3697     \advance\beamer@rightmargin by -12bp%
3698     \beamer@tempdim=\textwidth%
3699     \advance\beamer@tempdim by \beamer@leftmargin%
3700     \advance\beamer@tempdim by \beamer@rightmargin%
3701     \hskip-\Gm@lmargin\hbox{%
3702       \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
3703         \vbox{\vskip-.75ex%
3704           \bidi@beamer@leftskip0.3cm%
3705           \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
3706           \bgroupleft\usebeamerfont{frametitle}\strut\insertframesubtitle\right\usebeamerfont*{framesubtitle}\usebeamercolor[fg]{framesubtitle}\insertframesubtitle}%
3707         \fi%
3708         \nointerlineskip
3709         \vbox{}%
3710         \end{minipage}}%
3711       \beamer@tempdim=\ht\beamer@tempbox%
3712       \advance\beamer@tempdim by 2pt%
3713       \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
3714         \begin{pgfscope}
3715           \pgfsetfillcolor{black}%
3716           \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
3717           \pgfsetfading{beamer@topshadowmask}{}%

```



```

3720         \pgfusepath{fill}%
3721     \end{pgfscope}
3722     \begin{pgfscope}
3723         \usebeamercolor{frametitle right}%
3724         \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%
3725         \pgfusepath{clip}%
3726         \pgftext [left,base]{\bidi@beamer@frametitleshade}%
3727     \end{pgfscope}
3728 \end{pgfpicture}
3729 \hskip-\paperwidth%
3730 \box\beamer@tempbox%
3731 }%
3732 \hskip-\Gm@rmargin%
3733 }%
3734 \vskip-2pt
3735 }
3736
3737 \AtBeginDocument{%
3738     \setbeamertemplate{frametitle}[shadow theme]%
3739 }
3740
3741

```

40 File beamerouterthemesmoothbars-xetex-bidi.def

```

3742 \ProvidesFile{beamerouterthemesmoothbars-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations f
3743 \bidi@csundef{beamer@tmpop@headline@smoothbars theme}
3744
3745 \bidi@csundef{beamer@tmpop@frametitle@smoothbars theme}
3746
3747 \defbeamer*{headline}{smoothbars theme}
3748 {%
3749     \pgfuseshading{beamer@barshade}%
3750     \vskip-0.05ex%
3751     \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3752     \begin{pgfpicture}
3753         \begin{pgfscope}%
3754             \ifbeamer@sb@subsection%
3755                 \pgfsetfillcolor{subsection in head/foot.bg}%
3756             \else%
3757                 \pgfsetfillcolor{section in head/foot.bg}%
3758             \fi%
3759             \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3760             \pgfsetfading{beamer@belowframetitlemask}{}%
3761             \pgfusepath{fill}%
3762         \end{pgfscope}%
3763     \end{pgfpicture}%
3764 \end{beamercolorbox}%
3765 \ifbeamer@sb@subsection%
3766     \vskip-9.75ex%
3767 \else%
3768     \vskip-6.85ex%
3769 \fi%
3770 \begin{beamercolorbox}[ignorebg,ht=2.25ex,dp=3.75ex]{section in head/foot}

```



```

3771 \insertnavigation{\paperwidth}
3772 \end{beamercolorbox}%
3773 \ifbeamer@sb@subsection%
3774 \if@RTL
3775 \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3776 rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3777 \else
3778 \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3779 leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3780 \fi
3781 \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3782 \end{beamercolorbox}%
3783 \fi%
3784 }%
3785
3786 \defbeamertemplate*{frametitle}{smoothbars theme}
3787 {%
3788 \nointerlineskip%
3789 \vskip-0.19ex%
3790 \usebeamerfont{headline}%
3791 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=1ex,vmode]{empty}
3792 \pgfuses shading{beamer@aboveframetitle}%
3793 \end{beamercolorbox}%
3794 \vskip-1ex%
3795 \nointerlineskip%
3796 \if@RTL
3797 \begin{beamercolorbox}[wd=\paperwidth,rightskip=.3cm,leftskip=.3cm plus1fil,vmode]{framet
3798 \else
3799 \begin{beamercolorbox}[wd=\paperwidth,leftskip=.3cm,rightskip=.3cm plus1fil,vmode]{framet
3800 \fi
3801 \vskip0.5ex%
3802 \usebeamerfont*{frametitle}\strut\insertframetitle%
3803 \ifx\insertframesubtitle\@empty%
3804 \strut\par%
3805 \else
3806 \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insert
3807 \fi%
3808 \usebeamerfont{headline}%
3809 \vskip0.05ex%
3810 \end{beamercolorbox}%
3811 \nointerlineskip%
3812 \vskip-0.05ex%
3813 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3814 \begin{pgfpicture}
3815 \begin{pgfscope}%
3816 \pgfsetfillcolor{frametitle.bg}%
3817 \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3818 \pgfsetfading{beamer@belowframetitlemask}{}%
3819 \pgfusepath{fill}%
3820 \end{pgfscope}%
3821 \end{pgfpicture}%
3822 \end{beamercolorbox}%
3823 }
3824

```



```

3825 \AtBeginDocument{%
3826   \setbeamertheme{frametitle}[smoothbars theme]%
3827 }
3828
3829

```

41 File beamerouterthemessmoothtree-xetex-bidi.def

```

3830 \ProvidesFile{beamerouterthemessmoothtree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations f
3831 \bidi@csundef{beamer@tmpop@headline@smoothtree theme}
3832
3833 \bidi@csundef{beamer@tmpop@frametitle@smoothtree theme}
3834
3835 \defbeamertheme*{headline}{smoothtree theme}
3836 {%
3837   \pgfuseshading{beamer@treeshade}%
3838   \vskip-0.05ex%
3839   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3840   \begin{pgfpicture}
3841     \begin{pgfscope}%
3842       \pgfsetfillcolor{subsection in head/foot.bg}%
3843       \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3844       \pgfsetfading{beamer@belowframetitlemask}{}%
3845       \pgfusepath{fill}%
3846     \end{pgfscope}%
3847   \end{pgfpicture}%
3848   \end{beamercolorbox}%
3849   \vskip-9.15ex%
3850   \if@RTL
3851   \begin{beamercolorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3852     rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3853   \else
3854   \begin{beamercolorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3855     leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3856   \fi
3857   \usebeamerfont{title in head/foot}\insertshorttitle
3858   \end{beamercolorbox}
3859   \if@RTL
3860   \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3861     rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3862   \else
3863   \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3864     leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3865   \fi
3866   \usebeamerfont{section in head/foot}%
3867   \hskip6pt\insertsectionhead
3868   \end{beamercolorbox}
3869   \if@RTL
3870   \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3871     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3872   \else
3873   \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3874     leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3875   \fi

```



```

3876 \usebeamerfont{subsection in head/footer}%
3877 \hskip12pt\insertsubsectionhead
3878 \end{beamercolorbox}
3879 \vskip-0.4ex%
3880 }
3881
3882 \defbeamertemplate*{frametitle}{smoothtree theme}
3883 {%
3884 \nointerlineskip%
3885 \vskip-0.05ex%
3886 \usebeamerfont{headline}%
3887 \begin{beamercolorbox}[wd=\paperwidth,ht=0.85ex,dp=0ex]{empty}
3888 \pgfuses shading{beamer@aboveframetitle}%
3889 \end{beamercolorbox}
3890 \nointerlineskip%
3891 \if@RTL
3892 \begin{beamercolorbox}[wd=\paperwidth,rightskip=.935cm,leftskip=.3cm plus1fil]{frametitle}
3893 \else
3894 \begin{beamercolorbox}[wd=\paperwidth,leftskip=.935cm,rightskip=.3cm plus1fil]{frametitle}
3895 \fi
3896 \vskip-1.2ex%
3897 \usebeamerfont*{frametitle}\strut\insertframetitle%
3898 \ifx\insertframesubtitle\@empty%
3899 \strut\par%
3900 \else
3901 \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insertframesubtitle}
3902 \fi%
3903 \usebeamerfont{headline}%
3904 \end{beamercolorbox}%
3905 \nointerlineskip
3906 \vskip-0.2ex%
3907 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3908 \begin{pgfpicture}
3909 \begin{pgfscope}%
3910 \pgfsetfillcolor{frametitle.bg}%
3911 \pgfpathrectangle{\pgfpoint{- .5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3912 \pgfsetfading{beamer@belowframetitlemask}{}%
3913 \pgfusepath{fill}%
3914 \end{pgfscope}%
3915 \end{pgfpicture}%
3916 \end{beamercolorbox}%
3917 }
3918
3919
3920 \AtBeginDocument{%
3921 \setbeamertemplate{frametitle}[smoothtree theme]%
3922 }
3923
3924

```

42 File beamerouterthemetree-xetex-bidi.def

```

3925 \ProvidesFile{beamerouterthemetree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beamer]
3926 \bidi@csundef{beamer@tmpop@headline@tree theme}

```




```

3927
3928 \defbeamer*{headline}{tree theme}
3929 {%
3930   \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{upper separation line head}
3931   \end{beamercolorbox}
3932   \if@RTL
3933   \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3934     rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/footer}
3935   \else
3936   \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3937     leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/footer}
3938   \fi
3939   \usebeamerfont{title in head/footer}\insertshorttitle
3940   \end{beamercolorbox}
3941   \if@RTL
3942   \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3943     rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/footer}
3944   \else
3945   \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3946     leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/footer}
3947   \fi
3948   \usebeamerfont{section in head/footer}%
3949   \ifbeamer@tree@showhooks
3950     \setbox\beamer@tempbox=\hbox{\insertsectionhead}%
3951     \ifdim\wd\beamer@tempbox>1pt%
3952       \hskip2pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0}
3953       \hskip1pt%
3954     \fi%
3955   \else%
3956     \hskip6pt%
3957   \fi%
3958   \insertsectionhead
3959   \end{beamercolorbox}
3960   \if@RTL
3961   \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3962     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/footer}
3963   \else
3964   \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3965     leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/footer}
3966   \fi
3967   \usebeamerfont{subsection in head/footer}%
3968   \ifbeamer@tree@showhooks
3969     \setbox\beamer@tempbox=\hbox{\insertsubsectionhead}%
3970     \ifdim\wd\beamer@tempbox>1pt%
3971       \hskip9.4pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height}
3972       \hskip1pt%
3973     \fi%
3974   \else%
3975     \hskip12pt%
3976   \fi%
3977   \insertsubsectionhead
3978   \end{beamercolorbox}
3979   \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{lower separation line head}
3980   \end{beamercolorbox}

```



```
3981 }
3982
3983
```

43 File beamerthemeHannover-xetex-bidi.def

```
3984 \ProvidesFile{beamerthemeHannover-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for beam
3985 \AtBeginDocument{%
3986   \if@RTLmain
3987     \setbeamertemplate{frametitle}[default][left]%
3988   \else
3989     \setbeamertemplate{frametitle}[default][right]%
3990   \fi
3991 }
3992
3993
```

44 File beamerthemeSingapore-xetex-bidi.def

```
3994 \ProvidesFile{beamerthemeSingapore-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for bea
3995 \addtoheadtemplate{\pgfuses shading{beamer@headfade}\vskip-1.25cm}{
3996
3997 \beamertemplatedotitem
3998
3999 \AtBeginDocument{%
4000   \setbeamertemplate{frametitle}[default][center]%
4001 }
4002
4003
```

45 File bidi.sty

```
4004 \NeedsTeXFormat{LaTeX2e}
4005 \def\bididate{2024/12/10}
4006 \def\bidi@version{40.1}
4007 \def\bidi@releasename{John Torrence Tate, Jr.}
4008 \newcommand*\bidi@releasename{\bidi@releasename}
4009 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space (Release \bidi@releasename)\spa
4010 Bidirectional typesetting in plain TeX and LaTeX]
4011 \edef\@bidi@info{*****^^J%
4012 * ^^J%
4013 * bidi package (Bidirectional typesetting in^^J%
4014 * plain TeX and LaTeX, using XeTeX engine)^^J%
4015 * ^^J%
4016 * Description: A convenient interface for^^J%
4017 * typesetting bidirectional texts in plain TeX^^J%
4018 * and LaTeX. The package includes adaptations^^J%
4019 * for use with many other commonly-used packages.^^J%
4020 * ^^J%
4021 * Copyright (c) 2007--2024 Vafa Khalighi^^J%
4022 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
4023 * ^^J%
4024 * v\bidi@version\space (Release \bidi@releasename), \bididate^^J%
4025 * ^^J%
```



```

4026 * License: LaTeX Project Public License, version^^J%
4027 * 1.3c or higher (your choice)^^J%
4028 * ^^J%
4029 * Location on CTAN: /macros/xetex/latex/bidi^^J%
4030 * ^^J%
4031 * Issue tracker: https://github.com/xepersian/bidi/issues^^J%
4032 * ^^J%
4033 * Discussions: https://github.com/xepersian/bidi/discussions^^J%
4034 * ^^J%
4035 * Primary author of bidi package: Vafa Khalighi.^^J%
4036 * ^^J%
4037 *****}
4038 \typeout{\@bidi@info}
4039 \edef\bidi@everyjob{\the\everyjob}
4040 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
4041 \newcommand*\bidiversion{\ensuremath\bidi@version}
4042 \newcommand*\IfbidiPackageVersionLater}[1]{%
4043   \ifdim\bidi@version pt > #1 pt %
4044     \expandafter\@firstoftwo
4045   \else
4046     \expandafter\@secondoftwo
4047   \fi}
4048 \newcommand*\IfbidiPackageVersionBefore}[1]{%
4049   \ifdim\bidi@version pt < #1 pt %
4050     \expandafter\@firstoftwo
4051   \else
4052     \expandafter\@secondoftwo
4053   \fi}
4054 \newcommand*\IfbidiPackageVersion}[1]{%
4055   \ifdim\bidi@version pt = #1 pt %
4056     \expandafter\@firstoftwo
4057   \else
4058     \expandafter\@secondoftwo
4059   \fi}
4060 \RequirePackage{iftex}
4061 \RequireXeTeX
4062 \RequirePackage{biditools}
4063 \RequirePackage{zref-abspage}
4064 \RequirePackage{auxhook}
4065 \RequirePackage{ltxcmds}
4066 \RequirePackage{xkeyval}
4067 \eqnewif{\if@RTLmain}{\if@rlmain}
4068 \eqnewif{\if@RTL}{\if@rl}
4069 \newif\if@nonlatin
4070 \newif\if@bidi@perpage@footnote
4071 \newcommand*\setlatin{\@nonlatinfalse}
4072 \newcommand*\setnonlatin{\@nonlatintrue}
4073 \eqnewif{\if@RTLtab}{\if@tab@rl}
4074 \newif\if@hboxRconstruct
4075 \newif\if@bidi@pdfencrypt
4076 \newcommand*\setRTLtable{\@RTLtabtrue}
4077 \newcommand*\setLTRtable{\@RTLtabfalse}
4078 \newif\if@bidi@pdfm@mark
4079 \newif\if@RTLmarginpar

```



```

4080 \newif\if@LTRmarginpar
4081 \newif\if@LTRbibitems
4082 \newif\if@RTLbibitems
4083 \newif\if@extrafootnotefeatures
4084 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
4085 \newif\if@bidi@list@minipage@parbox
4086 \newif\if@bidi@list@minipage@parbox@not@nob
4087 \newcommand*{\@bidi@pdfcreator}{%
4088   The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4089 }
4090 \newcommand*{\@bidi@pdfproducer}{%
4091   The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4092 }
4093 \newcommand*{\@bidi@pdfcustomproperties}{%
4094   This is the bidi package, Version \bidi@version\space (Release \bidi@releasename),
4095   Released December 10, 2024.
4096 }
4097 \newcommand*{\bidi@beamer@ragged}{ }
4098 \@RTLmainfalse
4099 \AtBeginDocument{%
4100   \if@RTLmain\else
4101     \if@RTL\@RTLmaintrue%
4102     \else\@RTLmainfalse%
4103     \fi%
4104   \fi%
4105 }
4106 \let\n@xt=\
4107 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
4108 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4109 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
4110 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4111 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4112   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4113 \newinsert\@bidi@copyins@
4114 \skip\@bidi@copyins@=12\p@
4115 \dimen\@bidi@copyins@=40pc
4116 \count\@bidi@copyins@=1000
4117 \newcommand*{\@bidi@inslogo}{\insert\@bidi@copyins@{\@bidi@logo@}}
4118 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
4119   \if@RTLmain
4120     \if@twocolumn
4121       \hboxR to \columnwidth
4122     \else
4123       \hboxR to \textwidth
4124     \fi
4125   \else
4126     \if@twocolumn
4127       \hboxL to \columnwidth
4128     \else
4129       \hboxL to \textwidth
4130     \fi
4131   \fi
4132 }
4133 \newcommand*{\@bidi@logo}[1]{%

```



```

4134 \toks@{%
4135   \setbox\z@\hbox{%
4136     \special{%
4137       pdf:image width 50pt height 50pt (#1)%
4138     }
4139   }%
4140   \dp\z@\z@
4141   \ht\z@=50pt
4142   \wd\z@=50pt
4143   \beginL
4144     \lower20pt\box\z@
4145   \endL
4146 }%
4147 \the\toks@
4148 }
4149 \newcommand*\@bidi@logo@{%
4150   \@bidi@logo@hb@xt@columnwidth
4151   {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
4152     package\quad\@bidi@logo{bidi-logo.pdf}}}}
4153 \define@key{bidi@pdfencrypt}{userpassword}[]{%
4154   \def\bidi@pdfencrypt@userpassword{#1}%
4155 }
4156 \define@key{bidi@pdfencrypt}{ownerpassword}[]{%
4157   \def\bidi@pdfencrypt@ownerpassword{#1}%
4158 }
4159 \define@key{bidi@pdfencrypt}{keylength}[128]{%
4160   \def\bidi@pdfencrypt@keylength{#1}%
4161 }
4162 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{%
4163   \def\bidi@pdfencrypt@permissionflags{#1}%
4164 }
4165 \newcommand*\pdfencryptsetup{\setkeys{bidi@pdfencrypt}}
4166 \@onlypreamble\pdfencryptsetup
4167 \input{latex-xetex-bidi.def}
4168 \input{loadingorder-xetex-bidi.def}
4169 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4170   \ifcase\bidi@tempb\relax
4171     \@RTLtrue
4172   \or
4173     \@RTLfalse
4174   \fi}
4175 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
4176 \ifcase\bidi@tempb\relax
4177   \@RTLtrue
4178 \or
4179   \@RTLfalse
4180 \fi}
4181 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
4182 \ifcase\bidi@tempb\relax
4183   \@RTLtabtrue
4184 \or
4185   \@RTLtabfalse
4186 \fi}
4187 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%

```



```

4188 \ifcase\bidi@tempb\relax
4189 \nonlatinfalse
4190 \or
4191 \nonlatintrue
4192 \fi}
4193 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4194 \ifcase\bidi@tempb\relax
4195 \RTLtrue
4196 \or
4197 \RTLfalse
4198 \fi}
4199 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split}
4200 \ifcase\bidi@tempb\relax
4201 \autofootnoterule
4202 \or
4203 \leftfootnoterule
4204 \or
4205 \rightfootnoterule
4206 \or
4207 \SplitFootnoteRule
4208 \or
4209 \textwidthfootnoterule
4210 \fi}
4211 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
4212 \ifcase\bidi@tempb\relax
4213 \RTL@footnotetrue
4214 \or
4215 \RTL@footnotefalse
4216 \fi}
4217 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4218 \ifcase\bidi@tempb\relax
4219 \footdir@debugtrue
4220 \or
4221 \footdir@debugfalse
4222 \fi}
4223 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4224 \ifcase\bidi@tempb\relax
4225 \extrafootnotefeaturestrue
4226 \or
4227 \extrafootnotefeaturesfalse
4228 \fi}
4229
4230 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4231 \ifcase\bidi@tempb\relax
4232 \def\bidi@firstcolumn@status@write{%
4233 \protected@write\@auxout{}%
4234 {\string\bidi@column@status
4235 {1}}}%
4236 \def\bidi@lastcolumn@status@write{%
4237 \protected@write\@auxout{}%
4238 {\string\bidi@column@status{2}}}%
4239 \or
4240 \let\bidi@firstcolumn@status@write\relax
4241 \let\bidi@lastcolumn@status@write\relax

```



```

4242 \fi}
4243
4244 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4245 \ifcase\bidi@tempb\relax
4246 \AtBeginDocument{\@bidi@inslogo}%
4247 \or
4248 \let\bidi@logo@\@empty \let\bidi@inslogo@\@empty
4249 \fi}
4250
4251 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4252 \ifcase\bidi@tempb\relax
4253 \@bidi@pdfm@marktrue
4254 \or
4255 \@bidi@pdfm@markfalse
4256 \fi}
4257
4258 % The `perpagefootnote' option is documented in UK TeX FAQ at
4259 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
4260
4261 \define@choicekey{bidi.sty}{perpagefootnote}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4262 \ifcase\bidi@tempb\relax
4263 \@bidi@perpage@footnotetrue
4264 \or
4265 \@bidi@perpage@footnotefalse
4266 \fi}
4267
4268 \ExecuteOptionsX{%
4269 DetectColumn=off%
4270 }
4271
4272 \ProcessOptionsX
4273
4274 \pdfencryptsetup{%
4275 userpassword,%
4276 ownerpassword,%
4277 keylength,%
4278 permissionflags%
4279 }
4280
4281 \if@extrafootnotefeatures
4282 \input{extrafootnotefeatures-xetex-bidi.def}
4283 \fi
4284 \newcount\bidi@digits
4285 \XeTeXinterchartokenstate=\@ne
4286 \newXeTeXintercharclass\bidi@digits@charclass
4287 \newXeTeXintercharclass\bidi@sepmark@charclass
4288 \XeTeXcharclass \. \bidi@sepmark@charclass
4289 \XeTeXcharclass \- \bidi@sepmark@charclass
4290 \bidi@digits=\`0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
4291 \bidi@digits=\` \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
4292 \bidi@digits=\` \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
4293 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterC
4294 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
4295 \bidi@AtEndPreamble{%

```



```

4296 \if@bidi@perpage@footnote
4297 \RequirePackage{bidi-perpage}%
4298 \ResetCounterPerPage{footnote}%
4299 \fi
4300 \ifx\bidi@pdfencrypt@ownerpassword\bidi@empty
4301 \ifx\bidi@pdfencrypt@userpassword\bidi@empty
4302 \@bidi@pdfencryptfalse
4303 \else
4304 \@bidi@pdfencrypttrue
4305 \fi
4306 \else
4307 \@bidi@pdfencrypttrue
4308 \fi
4309 \if@bidi@pdfencrypt
4310 \special{pdf:encrypt
4311 userpw (\bidi@pdfencrypt@userpassword)
4312 ownerpw (\bidi@pdfencrypt@ownerpassword)
4313 length \bidi@pdfencrypt@keylength
4314 perm \bidi@pdfencrypt@permissionflags
4315 }%
4316 \fi
4317 }
4318 \AtEndDocument{%
4319 \special{pdf:%
4320 docinfo<<%
4321 \if@bidi@pdfm@mark
4322 /Creator(\@bidi@pdfcreator)%
4323 /Producer(\@bidi@pdfproducer)%
4324 \fi
4325 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4326 \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4327 /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4328 }{}%
4329 >>%
4330 }%
4331 }

```

46 File bidi.tex

```

4332 \def\bididate{2024/12/10}
4333 \catcode`@=11
4334 \def\bidi@version{40.1}
4335 \def\bidi@releasename{John Torrence Tate, Jr.}
4336 \def\bidi@releasename{\bidi@releasename}
4337 \let \protect \relax
4338 \newlinechar`^^J
4339 \edef\@bidi@info{*****^^J%
4340 * ^^J%
4341 * bidi package (Bidirectional typesetting in^^J%
4342 * plain TeX and LaTeX, using XeTeX engine)^^J%
4343 * ^^J%
4344 * Description: A convenient interface for^^J%
4345 * typesetting bidirectional texts in plain TeX^^J%
4346 * and LaTeX. The package includes adaptations^^J%

```




```

4347 * for use with many other commonly-used packages.^^J%
4348 * ^^J%
4349 * Copyright (c) 2007--2024 Vafa Khalighi^^J%
4350 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
4351 * ^^J%
4352 * v\bidi@version\space (Release \bidi@releasename), \bididate^^J%
4353 * ^^J%
4354 * License: LaTeX Project Public License, version^^J%
4355 * 1.3c or higher (your choice)^^J%
4356 * ^^J%
4357 * Location on CTAN: /macros/xetex/latex/bidi^^J%
4358 * ^^J%
4359 * Issue tracker: https://github.com/xepersian/bidi/issues^^J%
4360 * ^^J%
4361 * Discussions: https://github.com/xepersian/bidi/discussions^^J%
4362 * ^^J%
4363 * Primary author of bidi package: Vafa Khalighi.^^J%
4364 * ^^J%
4365 *****}
4366 \message{\@bidi@info}
4367 \edef\bidi@everyjob{\the\everyjob}
4368 \everyjob{\bidi@everyjob\message{\@bidi@info}}
4369 \def\bidiversion{%
4370   \relax
4371   \ifmode
4372     \bidi@version
4373   \else
4374     $\bidi@version$
4375   \fi
4376 }
4377 \input iftex.sty
4378 \RequireXeTeX
4379 \newif\if@bidi@pdfm@mark
4380 \newif\if@RTLmain
4381 \newif\if@RTL
4382 \newif\if@hboxRconstruct
4383 \newif\if@sentdir
4384 \newif\if@RTL@footnote
4385 \@RTLmainfalse
4386 \def\setRTLmain{%
4387   \if@RTLmain\else
4388     \if@RTL\@RTLmaintrue%
4389     \else\@RTLmainfalse%
4390   \fi%
4391   \fi%
4392 }
4393 \let\n@xt=\
4394 \protected\def\LRE{\protect\pLRE}%
4395 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4396 \protected\def\RLE{\protect\pRLE}
4397 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4398 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4399   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4400 \newinsert\@bidi@copyins@

```



```

4401 \skip\@bidi@copyins@=12\p@
4402 \dimen\@bidi@copyins@=40pc
4403 \count\@bidi@copyins@=1000
4404 \def\@bidi@inslogo@\insert\@bidi@copyins@\@bidi@logo@}
4405 \def\@bidi@logo@hb@xt@{%
4406   \ifRTLmain
4407     \hboxR to
4408   \else
4409     \hboxL to
4410   \fi
4411 }
4412 \def\@bidi@logo#1{%
4413   \toks@{%
4414     \setbox\z@\hbox{%
4415       \special{%
4416         pdf:image width 50pt height 50pt (#1)%
4417       }
4418     }%
4419     \dp\z@\z@
4420     \ht\z@=50pt
4421     \wd\z@=50pt
4422     \beginL
4423       \lower20pt\box\z@
4424     \endL
4425   }%
4426   \the\toks@
4427 }
4428 \def\@bidi@logo@\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@
4429 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
4430 \def\@bidi@pdfcreator{%
4431   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bididate
4432 }
4433 \def\@bidi@pdfproducer{%
4434   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bididate
4435 }
4436 \def\@bidi@pdfcustomproperties{%
4437   This is the bidi package, Version \@bidi@version\space (Release \@bidi@releasename),
4438   Released December 10, 2024.
4439 }
4440 \def\@bidi@pdfm@mark{%
4441   \special{pdf:%
4442     docinfo<<%
4443     \if\@bidi@pdfm@mark
4444       /Creator(\@bidi@pdfcreator)%
4445       /Producer(\@bidi@pdfproducer)%
4446     \fi
4447     /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4448     >>%
4449   }%
4450 }
4451 \def\@bidi@pdfinfoon{\@bidi@pdfm@marktrue}
4452 \def\@bidi@pdfinfooff{\@bidi@pdfm@markfalse}
4453 \input plain-xetex-bidi.def
4454 \@bidi@inslogo@

```



```

4455 \outer\def\bye{\par\vfill\supereject\bidipdfm@mark\end}
4456 \catcode~@=12
4457 \bidipdfinfoon

```

47 File bidi2in1.sty

```

4458 \NeedsTeXFormat{LaTeX2e}
4459 \ProvidesPackage{bidi2in1}
4460 \pagestyle{plain}
4461 \newcount\evenpage
4462 \newcount\oddpages
4463 \twocolumn
4464 \def\@oddfont{\evenpage=\thepage%
4465 \multiply\evenpage by 2%
4466 \oddpages=\the\evenpage%
4467 \advance\oddpages by -1%
4468 \hfil\the\evenpage\hfil\hfil\the\oddpages\hfil}%
4469 \def\@evenfont{\evenpage=\thepage%
4470 \multiply\evenpage by 2%
4471 \oddpages=\the\evenpage%
4472 \advance\oddpages by -1%
4473 \hfil\the\oddpages\hfil\hfil\the\evenpage\hfil}%
4474 \textwidth 9.49in
4475 \textheight 6.7in
4476 \columnsep 0.9in
4477 \columnseprule 0.125pt
4478 \headheight 0cm
4479 \topmargin 0in
4480 \marginparwidth 0in
4481 \marginparsep 0in
4482 \hoffset 0.05in % Corrected
4483 \voffset -0.5in %top margin space is 1.0in by default
4484 \oddsidemargin 0in
4485 \evensidemargin 0in
4486 \headsep 0cm
4487 \topskip 0cm
4488 \parskip 0.15in %
4489 \headsep 0pt
4490 \special{papersize=11.69in,8.26in}
4491 \renewcommand\maketitle{\par
4492 \begingroup
4493 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
4494 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
4495 \long\def\@makefntext##1{\parindent 1em\noindent
4496 \hb@xt@1.8em{%
4497 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
4498 \@maketitle
4499 \@thanks
4500 \endgroup
4501 \setcounter{footnote}{0}%
4502 \global\let\thanks\relax
4503 \global\let\maketitle\relax
4504 \global\let\@maketitle\relax
4505 \global\let\@thanks\@empty

```



```

4506 \global\let\@author\@empty
4507 \global\let\@date\@empty
4508 \global\let\@title\@empty
4509 \global\let\title\relax
4510 \global\let\author\relax
4511 \global\let\date\relax
4512 \global\let\and\relax
4513 }

```

48 File bidicode.sty

```

4514 \NeedsTeXFormat{LaTeX2e}
4515 \ProvidesPackage{bidicode}
4516 \RequirePackage{xcolor}
4517 \RequirePackage{showexpl}
4518 \definecolor{hellgelb}{rgb}{1,1,0.85}
4519 \definecolor{colKeys}{rgb}{0.2,0.4,0.8}
4520 \definecolor{colCS}{rgb}{0.2,0.4,0.8}
4521 \definecolor{colIdentifier}{rgb}{0,0,0}
4522 \definecolor{colComments}{rgb}{1,0,0}
4523 \definecolor{colString}{rgb}{0,0.5,0}
4524 \lstset{%
4525     language=[LaTeX]TeX,%
4526     float=hbp,%
4527     basicstyle=\ttfamily\small,%
4528     identifierstyle=\color{colIdentifier},%
4529     keywordstyle=\color{colKeys},%
4530     texcsstyle=\color{colCS},%
4531     stringstyle=\color{colString},%
4532     commentstyle=\color{colComments},%
4533     backgroundcolor=\color{hellgelb},%
4534     columns=flexible,%
4535     tabsize=4,%
4536     extendedchars=true,%
4537     showspaces=false,%
4538     showstringspaces=false,%
4539     numbers=left,%
4540     numbersep=0.9em,%
4541     numberstyle=\tiny,%
4542     frame=single,%
4543     captionpos=b,%
4544     xleftmargin=1em,%
4545     breaklines=true,%
4546     breakautoindent=false,%
4547     breakindent=0pt,%
4548     escapeinside=**,%
4549     pos=r,%
4550     explpreset={%
4551         xleftmargin=1em,%
4552         columns=flexible,%
4553         language=[LaTeX]TeX%
4554     },%
4555     moretexcs={%
4556         bididate,%

```



```

4557     bidiversion,%
4558     deflatinfont,%
4559     defpersianfont,%
4560     ding,%
4561     endLTR,%
4562     endRTL,%
4563     false,%
4564     falsesymbol,%
4565     junicode,%
4566     lr,%
4567     LR,%
4568     LRE,%
4569     LTR,%
4570     maketitle,%
4571     Nastaliq,%
4572     newfontfamily,%
4573     Parsifont,%
4574     part,%
4575     RL,%
4576     RLE,%
4577     RTL,%
4578     RTLcases,%
4579     SepMark,%
4580     setLR,%
4581     setLTR,%
4582     setRL,%
4583     setRTL,%
4584     settextfont,%
4585     subsection,%
4586     subsubsection,%
4587     tableofcontents,%
4588     text,%
4589     theequation,%
4590     thesection,%
4591     true,%
4592     truesymbol,%
4593     XePersian,%
4594     xepersiandate,%
4595     xepersianversion%
4596 }%
4597 }
4598 \newcommand\HLON{%
4599   \gdef\lst@alloverstyle##1{%
4600     \fboxrule=0pt
4601     \fboxsep=0pt
4602     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
4603 }}
4604 \newcommand\HLOFF{%
4605   \xdef\lst@alloverstyle##1{##1}%
4606 }
4607 \newcommand\Larg [1]{\normalfont\itshape#1\}/}
4608 \newcommand\Larga[1]{$\langle$\Larg{#1}$\rangle$}
4609 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
4610 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}

```



```

4611 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
4612 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
4613 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
4614
4615 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
4616 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
4617 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`}}
4618 \DeclareRobustCommand\lsb{\normalfont\ttfamily[]}
4619 \DeclareRobustCommand\rsb{\normalfont\ttfamily}}
4620 \DeclareRobustCommand\lrb{\normalfont\ttfamily()}
4621 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}}
4622
4623 \def\Lcs#1{\nxLcs{#1}}
4624 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
4625 \def\nxLcs#1{\texttt{\symbol{92}#1}}
4626
4627 \def\Coordx#1{${x}_{#1}$}
4628 \def\Coordy#1{${y}_{#1}$}
4629 \def\Coordz#1{${z}_{#1}$}
4630 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
4631 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
4632 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
4633 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
4634 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
4635 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
4636 \def\coordin{(\Coordx{n},\kern 1pt\Coordy{n})}
4637 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
4638 \def\coordx#1{(${x}_{#1}$)}
4639 \def\coordy#1{(${y}_{#1}$)}
4640 \def\coordz#1{(${z}_{#1}$)}
4641 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
4642 \def\ciiiiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}})
4643
4644 \newsavebox{\boxdef}
4645 \newenvironment{BDef}
4646   {\begin{lrbox}\boxdef
4647     \def\arraystretch{1.0}
4648     \begin{tabular}{@{}l@{}l@{}l@{}}
4649   }
4650   {\end{tabular}\end{lrbox}}
4651
4652   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
4653   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4654   }
4655
4656 \newenvironment{BDef*}
4657   {\begin{lrbox}\boxdef
4658     \def\arraystretch{1.0}
4659     \begin{tabular}{@{}l@{}l@{}l@{}}
4660   }
4661   {\end{tabular}\end{lrbox}}
4662   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
4663   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4664   }

```



```

4665 \newenvironment{BCmd}{
4666   \@beginparpenalty-\@lowpenalty
4667   \topsep\BDefaboveskip
4668   \fboxsep3pt
4669   \flushleft}
4670 {\@endparpenalty\@M
4671   \@topsepadd\BDefbelowskip
4672   \endflushleft}
4673
4674 \newenvironment{BCmd*}{
4675   \@beginparpenalty\@M
4676   \topsep\BDefinlineskip
4677   \fboxsep3pt
4678   \flushleft}
4679 {\@endparpenalty5000
4680   \endflushleft}
4681
4682 \newskip\BDefaboveskip
4683 \newskip\BDefbelowskip
4684 \newskip\BDefinlineskip
4685 \setlength\BDefaboveskip{10pt plus 4pt}
4686 \setlength\BDefbelowskip{6pt}
4687 \setlength\BDefinlineskip{6pt}
4688
4689 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
4690 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
4691 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
4692 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

49 File bidiftnxtra.sty

```

4693 \NeedsTeXFormat{LaTeX2e}
4694 \ProvidesPackage{bidiftnxtra}
4695 \newtoks\bidip@ftn
4696 \let\FN@sf@footnote\footnote
4697 \let\FN@sf@LTRfootnote\LTRfootnote
4698 \let\FN@sf@RTLfootnote\RTLfootnote
4699 \def\footnote{\ifx\protect\@typeset@protect
4700   \expandafter\FN@sf@footnote
4701   \else
4702   \expandafter\FN@sf@gobble@opt
4703   \fi
4704 }
4705 \def\LTRfootnote{\ifx\protect\@typeset@protect
4706   \expandafter\FN@sf@LTRfootnote
4707   \else
4708   \expandafter\FN@sf@gobble@opt
4709   \fi
4710 }
4711 \def\RTLfootnote{\ifx\protect\@typeset@protect
4712   \expandafter\FN@sf@RTLfootnote
4713   \else
4714   \expandafter\FN@sf@gobble@opt
4715   \fi

```



```

4716 }
4717 \edef\FN@sf@gobble@opt{\noexpand\protect
4718 \expandafter\noexpand\csname FN@sf@gobble@opt \endcsname}
4719 \expandafter\def\csname FN@sf@gobble@opt \endcsname{%
4720 \ifnextchar [%]
4721 \FN@sf@gobble@twobrace
4722 \@gobble
4723 }
4724 \def\FN@sf@gobble@twobrace[#1]#2{}
4725 \let\FN@sf@@footnotemark\footnotemark
4726 \def\footnotemark{\ifx\protect\@typeset@protect
4727 \expandafter\FN@sf@@footnotemark
4728 \else
4729 \expandafter\FN@sf@gobble@optonly
4730 \fi
4731 }
4732 \edef\FN@sf@gobble@optonly{\noexpand\protect
4733 \expandafter\noexpand\csname FN@sf@gobble@optonly \endcsname}
4734 \expandafter\def\csname FN@sf@gobble@optonly \endcsname{%
4735 \ifnextchar [%]
4736 \FN@sf@gobble@brace
4737 {}%
4738 }
4739 \def\FN@sf@gobble@brace[#1]{}
4740 \def\@tabular{%
4741 \leavevmode \hbox \bgroup
4742 \let\@footnotetext\@bidi@p@ftntext
4743 \let\@LTRfootnotetext\@bidi@p@LTRftntext
4744 \let\@RTLfootnotetext\@bidi@p@RTLftntext
4745 \let\@xfootnotenext\@bidi@p@xftntext
4746 \let\@xfootnote\@bidi@p@xfootnote
4747 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4748 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4749 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4750 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4751 \if@RTLtab\beginR \fi
4752 $\let\@acol\@tabacol
4753 \let\@classz\@tabclassz
4754 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
4755 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
4756 \egroup $\if@RTLtab\endR\fi\egroup
4757 \ifx\@capttype\@undefined
4758 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
4759 \long\def\@bidi@p@ftntext#1{%
4760 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
4761 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
4762 \long\def\@bidi@p@LTRftntext#1{%
4763 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
4764 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
4765 \long\def\@bidi@p@RTLftntext#1{%
4766 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
4767 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
4768
4769

```




```

4770 \long\def\bidi@p@xftntext[#1]#2{%
4771   \global\bidi@p@ftn\expandafter{\the\bidi@p@ftn\footnotetext[#1]{#2}}
4772 }
4773 \long\def\bidi@p@xLTRftntext[#1]#2{%
4774   \global\bidi@p@ftn\expandafter{\the\bidi@p@ftn\LTRfootnotetext[#1]{#2}}
4775 }
4776 \long\def\bidi@p@xRTLftntext[#1]#2{%
4777   \global\bidi@p@ftn\expandafter{\the\bidi@p@ftn\RTLfootnotetext[#1]{#2}}
4778 }
4779 }
4780 \def\bidi@p@xfootnote[#1]{%
4781   \begingroup
4782     \csname c@\@mpfn\endcsname #1\relax
4783     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4784   \endgroup
4785   \@footnotemark\bidi@p@xftntext[#1]}
4786 }
4787 }
4788 \def\bidi@p@xLTRfootnote[#1]{%
4789   \begingroup
4790     \csname c@\@mpfn\endcsname #1\relax
4791     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4792   \endgroup
4793   \@footnotemark\bidi@p@xLTRftntext[#1]}
4794 }
4795 }
4796 \def\bidi@p@xRTLfootnote[#1]{%
4797   \begingroup
4798     \csname c@\@mpfn\endcsname #1\relax
4799     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4800   \endgroup
4801   \@footnotemark\bidi@p@xRTLftntext[#1]}
4802 }
4803 \def\@xfloat #1[#2]{%
4804   \@nodocument
4805   \def \@capttype {#1}%
4806   \def \@fps {#2}%
4807   \@onelevel@sanitize \@fps
4808   \def \reserved@b {!}%
4809   \ifx \reserved@b \@fps
4810     \@fpsadddefault
4811   \else
4812     \ifx \@fps \@empty
4813       \@fpsadddefault
4814     \fi
4815   \fi
4816   \ifhmode
4817     \@bsphack
4818     \@floatpenalty -\@Mii
4819   \else
4820     \@floatpenalty-\@Miii
4821   \fi
4822   \ifinner
4823     \@parmoderr\@floatpenalty\z@

```



```

4824 \else
4825   \@next\@currbox\@freelist
4826   {%
4827     \@tempcnta \sixt@n
4828     \expandafter \@tfor \expandafter \reserved@a
4829     \expandafter : \expandafter = \@fps
4830     \do
4831     {%
4832       \if \reserved@a h%
4833         \ifodd \@tempcnta
4834         \else
4835           \advance \@tempcnta \@ne
4836           \fi
4837         \fi
4838       \if \reserved@a t%
4839         \@setfpsbit \tw@
4840         \fi
4841       \if \reserved@a b%
4842         \@setfpsbit 4%
4843         \fi
4844       \if \reserved@a p%
4845         \@setfpsbit 8%
4846         \fi
4847       \if \reserved@a !%
4848         \ifnum \@tempcnta>15
4849           \advance \@tempcnta -\sixt@n\relax
4850           \fi
4851       \fi
4852     }%
4853     \@tempcntb \csname ftype@\@capttype \endcsname
4854     \multiply \@tempcntb \@xxxii
4855     \advance \@tempcnta \@tempcntb
4856     \global \count\@currbox \@tempcnta
4857   }%
4858   \@fltovf
4859 \fi
4860 \global \setbox\@currbox
4861   \color@vbox
4862   \normalcolor
4863   \vbox \bgroup
4864     \let\@footnotetext\@bidi@p@ftntext
4865     \let\@LTRfootnotetext\@bidi@p@LTRftntext
4866     \let\@RTLfootnotetext\@bidi@p@RTLftntext
4867     \let\@xfootnotenext\@bidi@p@xftntext
4868     \let\@xfootnote\@bidi@p@xfootnote
4869     \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4870     \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4871     \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4872     \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4873     \hsize\columnwidth
4874     \@parboxrestore
4875     \@floatboxreset
4876 }
4877 \def \endfloatbox{%

```



```

4878     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
4879     \@minipagefalse
4880     \outer@nobreak
4881     \egroup                %% end of vbox
4882     \global\bidip@ftn\expandafter{\expandafter}\the\bidip@ftn
4883     \color@endbox
4884 }

```

50 File `bidimoderncv.cls`

```

4885 \NeedsTeXFormat{LaTeX2e}
4886 \ProvidesClass{bidimoderncv}
4887 \newif\if@DEBUG\@DEBUGfalse
4888 \DeclareOption{a4paper}{
4889   \setlength\paperheight{297mm}
4890   \setlength\paperwidth{210mm}}
4891 \DeclareOption{a5paper}{
4892   \setlength\paperheight{210mm}
4893   \setlength\paperwidth{148mm}}
4894 \DeclareOption{b5paper}{
4895   \setlength\paperheight{250mm}
4896   \setlength\paperwidth{176mm}}
4897 \DeclareOption{letterpaper}{
4898   \setlength\paperheight{11in}
4899   \setlength\paperwidth{8.5in}}
4900 \DeclareOption{legalpaper}{
4901   \setlength\paperheight{14in}
4902   \setlength\paperwidth{8.5in}}
4903 \DeclareOption{executivepaper}{
4904   \setlength\paperheight{10.5in}
4905   \setlength\paperwidth{7.25in}}
4906 \DeclareOption{landscape}{
4907   \setlength\@tempdima{\paperheight}
4908   \setlength\paperheight{\paperwidth}
4909   \setlength\paperwidth{\@tempdima}}
4910 \newcommand\@ptsize{}
4911 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
4912 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
4913 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
4914 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
4915 \DeclareOption{final}{\setlength\overfullrule{0pt}}
4916 \newif\if@colour\@colourtrue
4917 \DeclareOption{nocolour}{\@colourfalse}
4918 \ExecuteOptions{a4paper,11pt,colour,final}
4919 \ProcessOptions\relax
4920 \input{size1\@ptsize.clo}
4921 \RequirePackage{color}
4922 \RequirePackage{graphicx}
4923 \RequirePackage{ifthen}
4924 \RequirePackage{marvosym}
4925 \addtolength{\oddsidemargin}{-54pt}
4926 \addtolength{\textwidth}{109pt}
4927 \addtolength{\topmargin}{-70pt}
4928 \addtolength{\textheight}{122pt}

```



```

4929 \addtolength{\marginparsep}{-5pt}
4930 \addtolength{\marginparwidth}{-10pt}
4931 \RequirePackage{url}
4932 \RequirePackage{hyperref}
4933 \hypersetup{%
4934   breaklinks,
4935   baseurl      = http://,%
4936   pdfborder    = 0 0 0,%
4937   pdfpagemode = UseNone,%
4938   pdfstartpage = 1}
4939 \AtEndOfClass{%
4940   \AtBeginDocument{%
4941     \hypersetup{%
4942       pdfauthor    = \@firstname~\@familyname,%
4943       pdftitle     = \@title,%
4944       pdfsubject   = \@firstname~\@familyname,%
4945       pdfkeywords  = \@resumename~\@firstname~\@familyname}}}
4946 \urlstyle{tt}
4947 \RequirePackage{fancyhdr}
4948 \fancypagestyle{plain}{%
4949   \renewcommand{\headrulewidth}{0pt}
4950   \renewcommand{\footrulewidth}{0pt}
4951   \fancyhf{}}
4952 \pagestyle{plain}
4953 \setlength\lineskip{1\p@}
4954 \setlength\normallineskip{1\p@}
4955 \renewcommand\baselinestretch{}
4956 \setlength{\parindent}{0pt}
4957 \setlength{\parskip}{0pt}
4958 \setlength\columnsep{10\p@}
4959 \setlength\columnseprule{0\p@}
4960 \pagestyle{empty}
4961 \pagenumbering{arabic}
4962 \raggedbottom
4963 \onecolumn
4964 \providecommand*\listitemssymbol{\textbullet}
4965 \providecommand*\addresssymbol{}
4966 \providecommand*\mobilesymbol{\Mobilefone}
4967 \providecommand*\phonesymbol{\Telefon}
4968 \providecommand*\faxsymbol{\FAX}
4969 \providecommand*\emailsymbol{\Letter}
4970 \definecolor{firstnamecolor}{rgb}{0,0,0}
4971 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
4972 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
4973 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
4974 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
4975 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
4976 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
4977 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
4978 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
4979 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
4980 \providecommand*\firstnamefont{}
4981 \providecommand*\familynamefont{}
4982 \providecommand*\titlefont{}

```



```

4983 \providecommand*\addressfont-{}
4984 \providecommand*\quote font-{}
4985 \providecommand*\sectionfont-{}
4986 \providecommand*\subsectionfont-{}
4987 \providecommand*\hintfont-\small
4988 \providecommand*\firstnamestyle}[1]{\firstnamefont\@firstnamecolour#1}}
4989 \providecommand*\familynamestyle}[1]{\familynamefont\@familynamecolour#1}}
4990 \providecommand*\titlestyle}[1]{\titlefont\@titlecolour#1}}
4991 \providecommand*\addresstyle}[1]{\addressfont\@addresscolour#1}}
4992 \providecommand*\quotestyle}[1]{\quote font\@quote colour#1}}
4993 \providecommand*\sectionstyle}[1]{\sectionfont\@sectiontitlecolour#1}}
4994 \providecommand*\subsectionstyle}[1]{\subsectionfont\@subsectioncolour#1}}
4995 \providecommand*\hintstyle}[1]{\hintfont\@hintcolour#1}}
4996 \newcommand*\cvtheme}[2][{}{
4997   \def\@cvtheme#2}
4998   \def\@cvthemeoptions#1}}
4999 \cvtheme{bidi-casual}
5000 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
5001 \newcommand*\resumename}[1]{\def\@resumename#1}}
5002 \newcommand*\firstname}[1]{\def\@firstname#1}}
5003 \newcommand*\familyname}[1]{\def\@familyname#1}}
5004 \renewcommand*\title}[1]{\def\@title#1}}
5005 \newcommand*\address}[1]{\def\@address#1}}
5006 \newcommand*\mobile}[1]{\def\@mobile#1}}
5007 \newcommand*\phone}[1]{\def\@phone#1}}
5008 \renewcommand*\fax}[1]{\def\@fax#1}}
5009 \newcommand*\email}[1]{\def\@email#1}}
5010 \newcommand*\extrainfo}[1]{\def\@extrainfo#1}}
5011 \def\@photowidth{0pt}
5012 \newcommand*\photo}[2][64pt]{\def\@photowidth#1}\def\@photo#2}}
5013 \newcommand*\quote}[1]{\def\@quote#1}}
5014 \newlength{\quotewidth}
5015 \newlength{\hintscolumnwidth}
5016 \newlength{\separatorcolumnwidth}
5017 \setlength{\separatorcolumnwidth}{0.025\textwidth}
5018 \newlength{\maincolumnwidth}
5019 \newlength{\doubleitemmaincolumnwidth}
5020 \newlength{\listitemsymbolwidth}
5021 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
5022 \newlength{\listitemmaincolumnwidth}
5023 \newlength{\listdoubleitemmaincolumnwidth}
5024 \newcommand*\recomputethemelengths-{}
5025 \newcommand*\recomputelengths-{}
5026 \setlength{\quotewidth}{0.65\textwidth}%
5027 \setlength{\maincolumnwidth}{\textwidth}%
5028 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
5029 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
5030 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
5031 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
5032 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
5033 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
5034 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
5035 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
5036 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%

```



```

5037 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
5038 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
5039 \renewcommand{\headwidth}{\textwidth}%
5040 \recomputethemelengths
5041 \setlength{\hintscolumnwidth}{0.15\textwidth}
5042 \recomputelengths
5043 \title{}
5044 \renewcommand*\maketitle{}
5045 \newcommand*\section}[1]{%
5046 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
5047 \phantomsection}%
5048 \addcontentsline{toc}{part}{#1}%
5049 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
5050 \hspace{\separatorcolumnwidth}%
5051 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\@{1ex}}
5052 \newcommand*\subsection}[1]{%
5053 \cvline[0.45em]{\subsectionstyle{#1}}
5054 \newcommand*\cvline}[3][.25em]{%
5055 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwid
5056 \bidi@raggedleft\hintfont{#2} &{#3}%
5057 \end{tabular}\@{#1}}
5058 \newcommand*\cvdoubleitem}[4]{%
5059 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
5060 \hfill%
5061 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{
5062 \newcommand*\cvlistitem}[2][\listitemsymbol]{%
5063 \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}
5064 \newcommand*\cvlistdoubleitem}[3][\listitemsymbol]{%
5065 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
5066 \hfill%
5067 \ifthenelse{equal{#3}{}}%
5068 {}%
5069 {#1-\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}
5070 \newcommand*\cventry}[6]{%
5071 \cvline{#1}{%
5072 {\bfseries#2}%
5073 \ifx#3\else{, \slshape#3}\fi%
5074 \ifx#4\else{, #4}\fi%
5075 \ifx#5\else{, #5}\fi%
5076 .%
5077 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
5078 }%
5079 \newcommand*\cvlanguage}[3]{%
5080 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin
5081 \newcommand*\cvcomputer}[4]{%
5082 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
5083 \newcommand*\link}[2][ ]{%
5084 \ifthenelse{equal{#1}{}}%
5085 {\href{#2}{#2}}%
5086 {\href{#2}{#1}}}
5087 \newcommand*\httplink}[2][ ]{%
5088 \ifthenelse{equal{#1}{}}%
5089 {\href{http://#2}{#2}}%
5090 {\href{http://#2}{#1}}}

```



```

5091 \newcommand*\emallink}[2][ ]{%
5092   \ifthenelse{\equal{#1}{}}{%
5093     {\href{mailto:#2}{#2}}%
5094     {\href{mailto:#2}{#1}}}
5095 \newif\if@displaypagenumbers\@displaypagenumberstrue
5096 \newcommand*\nopagenumbers{\@displaypagenumbersfalse}
5097 \AtBeginDocument{%
5098   \if@displaypagenumbers%
5099     \@ifundefined{r@lastpage}{}{%
5100       \ifthenelse{\pageref{lastpage} > 1}{%
5101         \fancypagestyle{plain}{%
5102           \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pa
5103             \pagestyle{plain}}{}}%
5104         \AtEndDocument{\label{lastpage}}%
5105       \fi}
5106 \newlength{\bibindent}
5107 \setlength{\bibindent}{1.5em}
5108 \newcommand*\bibliographyitemlabel{\includegraphics{bidi-bibitem.pdf}}
5109 \newenvironment{thebibliography}[1]%
5110   {%
5111     \section{\refname}%
5112     \small%
5113     \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5114     \bidi@thebibliography@font@hook%
5115     \begin{list}{\bibliographyitemlabel}%
5116       {%
5117         \setlength{\topsep}{0pt}%
5118         \setlength{\labelwidth}{\hintscolumnwidth}%
5119         \setlength{\labelsep}{\separatorcolumnwidth}%
5120         \leftmargin\labelwidth%
5121         \advance\leftmargin\labelsep%
5122         \@openbib@code%
5123         \usecounter{enumiv}%
5124         \let\p@enumiv\@empty%
5125         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
5126         \sloppy\clubpenalty4000\widowpenalty4000%
5127       }%
5128     {%
5129       \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
5130       \end{list}%
5131     }
5132 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
5133 \let\@openbib@code\@empty

```

51 File bidi-perpage.sty

```

5134 \NeedsTeXFormat{LaTeX2e}
5135 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
5136 \newcount\bidi@page@count
5137 \bidi@page@count\@ne
5138 \newcommand*\ResetCounterPerPage}[2][\z@]{%
5139   \if@bidi@csundef{bidi@stepcounterhook@#2}{%
5140     \expandafter\gdef\csname bidi@stepcounterhook@#2\endcsname{}%
5141   }{}%

```



```

5142 \if@bidi@csundef{if@bidi@reset@#2@rerun}{%
5143   \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
5144 }{}%
5145 \if@bidi@csundef{bidi@#2@count}{%
5146   \expandafter\newcount\csname bidi@#2@count\endcsname
5147 }{}%
5148 \csname bidi@#2@count\endcsname\z@
5149 \if@bidi@csundef{bidi@previous@page@@#2@count}{%
5150   \expandafter\newcount\csname
5151     bidi@previous@page@@#2@count\endcsname
5152 }{}%
5153 \csname bidi@previous@page@@#2@count\endcsname\z@
5154 \if@bidi@csundef{bidi@reset@#2@perpage}{%
5155   \bidi@AfterEndDocumentCheckLabelsRerun{%
5156     \csname if@bidi@reset@#2@rerun\endcsname
5157     \PackageWarningNoLine{bidi-perpage}{%
5158       Counter `#2' may not have been reset per page.
5159       Rerun to reset counter `#2' per page%
5160     }%
5161   \fi
5162 }%
5163 }{}%
5164 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
5165   \global\advance\csname bidi@#2@count\endcsname\@ne
5166   \if@filesw
5167     \edef\@tempa{%
5168       \write\@auxout{%
5169         \string\bidi@counter@page{#2}%
5170         {\number\csname bidi@#2@count\endcsname}%
5171         {\noexpand\number\noexpand\bidi@page@count}%
5172       }%
5173     }%
5174     \@tempa
5175   \fi
5176 \begingroup\expandafter\expandafter\expandafter\endgroup
5177 \expandafter\ifx\csname bidi@#2@@\number\csname
5178   bidi@#2@count\endcsname\endcsname\relax
5179   \global\csname @bidi@reset@#2@reruntrue\endcsname
5180 \else
5181   \global\csname @bidi@reset@#2@rerunfalse\endcsname
5182   \expandafter\@tempcnta\csname bidi@#2@@\number
5183     \csname bidi@#2@count\endcsname\endcsname\relax
5184   \ifnum\@tempcnta=\csname
5185     bidi@previous@page@@#2@count\endcsname
5186   \else
5187     \global\csname
5188       bidi@previous@page@@#2@count\endcsname\@tempcnta
5189     \global\csname c@#2\endcsname#1\relax
5190   \fi
5191 \fi
5192 }%
5193 \expandafter\bidi@gappto\csname
5194   bidi@stepcounterhook@@#2\endcsname{%
5195   \csname bidi@reset@#2@perpage\endcsname

```




```

5196 }%
5197 }
5198 \def\ bidi@counter@page#1#2#3{\ bidi@namegdef{\ bidi@#1@#2}{#3}}
5199 \ bidi@AtEndOutputPage{%
5200   \ global\ advance\ bidi@page@count\@ne
5201 }

```

52 File biditools.sty

```

5202 \NeedsTeXFormat{LaTeX2e}
5203 \ProvidesPackage{biditools}[2024/12/07 v2.4 Programming tools for bidi package]
5204 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
5205   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
5206   \ifx\@tempa\@tempb \ global\let#2#1%
5207   \else
5208     \edef\@tempb{\meaning#2}%
5209     \ifx\@tempa\@tempb
5210     \else
5211       \@latex@error{Unable to properly define \string#2; primitive
5212         \noexpand#1no longer primitive}\@eha
5213     \fi
5214   \fi
5215   \endgroup}
5216 \newtoks\@bidi@envbody
5217 \newtoks\@bidi@emptytoks
5218 \def\ bidi@addto@envbody#1{\ global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5219 \def\ bidi@collect@body#1{%
5220   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5221   \edef\ bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentenv}}%
5222   \@bidi@envbody\@bidi@emptytoks \def\ begin@bidi@stack{b}%
5223   \begingroup
5224   \expandafter\let\csname\@currentenv\endcsname\ bidi@collect@@body
5225   \edef\ bidi@process@envbody{\expandafter\noexpand\csname\@currentenv\endcsname}%
5226   \ bidi@process@envbody
5227 }
5228 \def\ bidi@push@begins#1\ begin#2{%
5229   \ifx\end#2\else b\expandafter\ bidi@push@begins\fi
5230 }
5231 \def\ bidi@collect@@body#1\end#2{%
5232   \edef\ begin@bidi@stack{\ bidi@push@begins#1\ begin\end \expandafter\@gobble\ begin@bidi@stack}
5233   \ifx\@empty\ begin@bidi@stack
5234     \endgroup
5235     \@checkend{#2}%
5236     \ bidi@addto@envbody{#1}%
5237   \else
5238     \ bidi@addto@envbody{#1\end{#2}}%
5239   \fi
5240   \ bidi@process@envbody % A little tricky! Note the grouping
5241 }
5242 \long\def\ bidi@addto@long@envbody#1{\ global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5243 \long\def\ bidi@collect@long@body#1{%
5244   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5245   \edef\ bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentenv}}%
5246   \@bidi@envbody\@bidi@emptytoks \def\ begin@bidi@stack{b}%

```



```

5247 \begingroup
5248 \expandafter\let\csname\@currentenv\endcsname\@currentenv\@currentenv
5249 \edef\@currentenv{\@currentenv\@currentenv\@currentenv}%
5250 \@currentenv
5251 }
5252 \long\def\@currentenv@begin#1\begin#2{%
5253 \ifx\end#2\else \@currentenv\@currentenv\@currentenv\fi
5254 }
5255 \long\def\@currentenv@collect@long@body#1\end#2{%
5256 \edef\@currentenv@stack{\@currentenv@begin#1\begin\end \expandafter\@currentenv\@currentenv\@currentenv}%
5257 \ifx\@currentenv@stack
5258 \endgroup
5259 \@currentenv@checkend{#2}%
5260 \@currentenv@addto@long@envbody{#1}%
5261 \else
5262 \@currentenv@addto@long@envbody{#1\end{#2}}%
5263 \fi
5264 \@currentenv\@currentenv % A little tricky! Note the grouping
5265 }
5266 \long\def\@currentenv@new@ifnextchar#1#2#3{%
5267 \let\reserved@a=#1%
5268 \def\reserved@a{#2}\def\reserved@b{#3}%
5269 \futurelet\@currentenv\@currentenv@new@ifnch
5270 }
5271 \def\@currentenv@ifnch{%
5272 \ifx\@currentenv\reserved@a \let\reserved@b\reserved@a \fi
5273 \reserved@b
5274 }
5275 \def\@currentenv@matrix@check#1{%
5276 \expandafter\ifx\csname\@currentenv\endcsname#1%
5277 \else\@currentenv@matrix@error#1%
5278 \expandafter\@currentenv
5279 \fi
5280 }
5281 \def\@currentenv@matrix@error#1{%
5282 \PackageError{biditools}{%
5283 Old form '\string#1' should be \string\begin{\expandafter\@currentenv\string#1}%
5284 }{%
5285 '\string#1{...}' is old bidi package syntax whose use is
5286 ill-advised in the old versions of bidi package.%
5287 }%
5288 }
5289 \def\@tagextension{clo}
5290 \def\@definitionfileextension{def}
5291 \def\@texfileextension{tex}
5292 \def\@iftagsloaded{\@ifl@aded\@tagextension}
5293 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
5294 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
5295 \def\@eqnewif#1#2{%
5296 \count@\escapechar \escapechar\m@ne
5297 \let#1\iffalse
5298 \let#2\iffalse
5299 \eq@if#1#2\iftrue
5300 \eq@if#1#2\iffalse

```



```

5301 \escapechar\count@}
5302 \def\eq@if#1#2#3{%
5303 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5304 \expandafter@gobbletwo\string#3\endcsname
5305 {\let#1#3%
5306 \let#2#3}%
5307 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5308 \expandafter@gobbletwo\string#3\endcsname
5309 {\let#2#3%
5310 \let#1#3}}
5311 \def\noteqnewif#1#2{%
5312 \count@\escapechar \escapechar\m@ne
5313 \let#1\iffalse
5314 \let#2\iffalse
5315 \not@eq@if#1#2\iftrue\iffalse
5316 \escapechar\count@}
5317 \def\not@eq@if#1#2#3#4{%
5318 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5319 \expandafter@gobbletwo\string#3\endcsname
5320 {\let#1#3%
5321 \let#2#4}%
5322 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5323 \expandafter@gobbletwo\string#4\endcsname
5324 {\let#1#4%
5325 \let#2#3}%
5326 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5327 \expandafter@gobbletwo\string#3\endcsname
5328 {\let#2#3%
5329 \let#1#4}%
5330 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5331 \expandafter@gobbletwo\string#4\endcsname
5332 {\let#2#4%
5333 \let#1#3}}
5334 \newcommand*\SetBoolean}[2]{%
5335 \lowercase{\def\@tempa{#2}}%
5336 \@ifundefined{@tempa\@tempa}%
5337 {\PackageError{biditools}%
5338 {You can only set a boolean to `true' or `false'}\@ehc}%
5339 {\@ifundefined{#1\@tempa}%
5340 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5341 {\csname#1\@tempa\endcsname}}}}
5342 \newcommand*\GlobalSetBoolean}[2]{%
5343 \lowercase{\def\@tempa{#2}}%
5344 \@ifundefined{@tempa\@tempa}%
5345 {\PackageError{biditools}%
5346 {You can only set a boolean to `true' or `false'}\@ehc}%
5347 {\@ifundefined{#1\@tempa}%
5348 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5349 {\global\csname#1\@tempa\endcsname}}}}
5350 \newcommand*\SetatBoolean}[2]{%
5351 \lowercase{\def\@tempa{#2}}%
5352 \@ifundefined{@tempa\@tempa}%
5353 {\PackageError{biditools}%
5354 {You can only set a boolean to `true' or `false'}\@ehc}%

```



```

5355     {\@ifundefined{@#1\@tempa}%
5356         {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5357         {\csname @#1\@tempa\endcsname}}}
5358 \newcommand*\GlobalSetatBoolean}[2]{%
5359     \lowercase{\def\@tempa{#2}}%
5360     \@ifundefined{@tempswa\@tempa}%
5361         {\PackageError{biditools}%
5362             {You can only set a boolean to `true' or `false'}\@ehc}%
5363         {\@ifundefined{@#1\@tempa}%
5364             {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5365             {\global\csname @#1\@tempa\endcsname}}}
5366 \def\@bidi@removefromreset#1#2{%
5367     \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
5368     \def\@elt##1{%
5369         \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
5370         \else
5371             \noexpand\@elt{##1}%
5372         \fi}%
5373     \expandafter\xdef\csname cl@#2\endcsname{%
5374         \csname cl@#2\endcsname}}}
5375 \newcommand*\ifRtoL-{%
5376     \if@RTL
5377         \expandafter\@firstoftwo
5378     \else
5379         \expandafter\@secondoftwo
5380     \fi}
5381 \newcommand*\ifLtoR-{%
5382     \if@RTL
5383         \expandafter\@secondoftwo
5384     \else
5385         \expandafter\@firstoftwo
5386     \fi}
5387 \newcommand*\ifRtoLtable-{%
5388     \if@RTLtab
5389         \expandafter\@firstoftwo
5390     \else
5391         \expandafter\@secondoftwo
5392     \fi}
5393 \newcommand*\ifLtoRtable-{%
5394     \if@RTLtab
5395         \expandafter\@secondoftwo
5396     \else
5397         \expandafter\@firstoftwo
5398     \fi}
5399 \newcommand*\ifRtoLhboxconstruct-{%
5400     \if@hboxRconstruct
5401         \expandafter\@firstoftwo
5402     \else
5403         \expandafter\@secondoftwo
5404     \fi}
5405 \newcommand*\ifLtoRhboxconstruct-{%
5406     \if@hboxRconstruct
5407         \expandafter\@secondoftwo
5408     \else

```



```

5409   \expandafter\@firstoftwo
5410   \fi}
5411 \newcommand*\iflatin}{%
5412   \if@nonlatin
5413   \expandafter\@secondoftwo
5414   \else
5415   \expandafter\@firstoftwo
5416   \fi}
5417 \newcommand*\ifnonlatin}{%
5418   \if@nonlatin
5419   \expandafter\@firstoftwo
5420   \else
5421   \expandafter\@secondoftwo
5422   \fi}
5423
5424 \newcommand*\@bidi@convert@dimen@t@unit}[2]{%
5425   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
5426
5427 \newcommand*\@bidi@convert@dimen@t@pt}[1]{%
5428   \dimexpr #1*65536/\dimexpr 1pt\relax}
5429
5430 \newcommand*\if@bidi@csdef}[1]{%
5431   \ifcsname#1\endcsname
5432   \expandafter\@firstoftwo
5433   \else
5434   \expandafter\@secondoftwo
5435   \fi}
5436 \newcommand*\if@bidi@csundef}[1]{%
5437   \ifcsname#1\endcsname
5438   \expandafter\ifx\csname#1\endcsname\relax
5439   \expandafter\expandafter
5440   \expandafter\@firstoftwo
5441   \else
5442   \expandafter\expandafter
5443   \expandafter\@secondoftwo
5444   \fi
5445   \else
5446   \expandafter\@firstoftwo
5447   \fi}
5448 \newcommand\if@bidi@def}[1]{%
5449   \ifdefined#1%
5450   \expandafter\@firstoftwo
5451   \else
5452   \expandafter\@secondoftwo
5453   \fi}
5454 \newcommand\if@bidi@undef}[1]{%
5455   \ifdefined#1%
5456   \ifx#1\relax
5457   \expandafter\expandafter
5458   \expandafter\@firstoftwo
5459   \else
5460   \expandafter\expandafter
5461   \expandafter\@secondoftwo
5462   \fi

```



```

5463 \else
5464 \expandafter\@firstoftwo
5465 \fi}
5466 \newcommand{\if@bidi@blank}[1]{% from url.sty
5467 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
5468 \long\def\bidi@ifblank@i#1#2&#3#4#5: {#4}
5469 \newcommand{\bidi@notblank}[1]{%
5470 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
5471 \newcommand{\if@bidi@defmacro}{%
5472 \long\edef\if@bidi@defmacro#1{%
5473 \noexpand\expandafter\noexpand\bidi@ifdefmacro
5474 \noexpand\meaning#1\detokenize{macro}:&}
5475 \edef\bidi@ifdefmacro{%
5476 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
5477 \bidi@ifdefmacro{\bidi@notblank{#2}}
5478 \newcommand*\if@bidi@csmacro}[1]{%
5479 \if@bidi@csdef{#1}
5480 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
5481 {\@secondoftwo}}
5482 \newcommand{\if@bidi@defprimitive}[1]{%
5483 \ifprimitive#1%
5484 \expandafter\@firstoftwo
5485 \else
5486 \expandafter\@secondoftwo
5487 \fi}
5488 \newcommand{\if@bidi@csprimitive}[1]{%
5489 \begingroup\expandafter\expandafter\expandafter\endgroup%
5490 \expandafter\ifprimitive\csname#1\endcsname%
5491 \expandafter\@firstoftwo
5492 \else
5493 \expandafter\@secondoftwo
5494 \fi}
5495 \newcommand*\bidi@csdefcs}[2]{%
5496 \expandafter\@ifdefinable \csname#1\endcsname{%
5497 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
5498 \newcommand*\bidi@csletcs}[2]{%
5499 \expandafter\@ifdefinable \csname#1\endcsname{%
5500 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
5501 \newcommand*\bidi@cslet}[2]{%
5502 \expandafter\@ifdefinable \csname#1\endcsname{%
5503 \expandafter\let\csname#1\endcsname#2}}
5504 \newcommand{\bidi@namelongdef}[1]{%
5505 \long\expandafter\def\csname #1\endcsname}
5506 \newcommand{\bidi@namelonggdef}[1]{%
5507 \long\expandafter\gdef\csname #1\endcsname}
5508 \newcommand{\bidi@namelongedef}[1]{%
5509 \long\expandafter\edef\csname #1\endcsname}
5510 \newcommand{\bidi@namelongxdef}[1]{%
5511 \long\expandafter\xdef\csname #1\endcsname}
5512 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
5513 \def\bidi@ensure@new@command#1{%
5514 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
5515 \expandafter\if@bidi@csundef\@gtempa
5516 {\new@command#1}{\relax%

```



```

5517 \let@ifdefinable@rc@ifdefinable%
5518 \new@command#1}}
5519 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
5520
5521 \protected\def\bidi@error{\PackageError{bidi}}
5522 \protected\def\bidi@warning{\PackageWarning{bidi}}
5523 \protected\def\bidi@warningnoline{\PackageWarningNoLine{bidi}}
5524 \protected\def\bidi@info{\PackageInfo{bidi}}
5525
5526 \def\bidi@pos#1#2#3#4{\bidi@namegdef\bidi@#1pos@#2@#3}{#4}}
5527
5528 \newcount\bidi@poscount
5529
5530 \newcommand*\WriteStartXPostoaux}{%
5531 \global\advance\bidi@poscount\@ne
5532 \edef\@tempa{%
5533 \write\@auxout{%
5534 \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflast
5535 }%
5536 }%
5537 \ifvmode
5538 \leavevmode
5539 \fi
5540 \if@RTL
5541 \if@filesw
5542 \@tempa
5543 \fi
5544 \pdfsavepos
5545 \else
5546 \pdfsavepos
5547 \if@filesw
5548 \@tempa
5549 \fi
5550 \fi
5551 \if@bidi@csundef\bidi@xpos@start@\number\bidi@poscount}{%
5552 \PackageWarningNoLine{biditools}{%
5553 The start x position ` \number\bidi@poscount' is not known yet.
5554 Rerun to get this x position%
5555 }%
5556 }{}%
5557 }
5558
5559 \newcommand*\WriteEndXPostoaux}{%
5560 \edef\@tempa{%
5561 \write\@auxout{%
5562 \string\bidi@pos{x}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflast
5563 }%
5564 }%
5565 \if@RTL
5566 \if@filesw
5567 \@tempa
5568 \fi
5569 \pdfsavepos
5570 \else

```



```

5571 \pdfsavepos
5572 \if@filesw
5573   \@tempa
5574 \fi
5575 \fi
5576 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
5577     \PackageWarningNoLine{biditools}{%
5578         The end x position `\

```




```

5625 \pdfsavepos
5626 \if@filesw
5627   \@tempa
5628 \fi
5629 \fi
5630 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
5631     \PackageWarningNoLine{biditools}{%
5632         The end y position `\

```



```

5679         \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflast
5680     }%
5681         \write\@auxout{%
5682             \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflast
5683     }%
5684     }%
5685 \if@RTL
5686     \if@filesw
5687     \@tempa
5688     \fi
5689 \pdfsavepos
5690 \else
5691 \pdfsavepos
5692 \if@filesw
5693     \@tempa
5694     \fi
5695 \fi
5696 \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{%
5697     \PackageWarningNoLine{biditools}{%
5698         The end x position '\number\bidiposcount' is not known yet.
5699         Rerun to get this x position%
5700     }%
5701 }{}%
5702 \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{%
5703     \PackageWarningNoLine{biditools}{%
5704         The end y position '\number\bidiposcount' is not known yet.
5705         Rerun to get this y position%
5706     }%
5707 }{}%
5708 }
5709
5710 \newcommand*\currentposxwidth}{%
5711     \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{\z@}
5712     {%
5713         \ifnum\csname bidi@xpos@@start@\number\bidiposcount
5714             \endcsname < \csname bidi@xpos@@end@\number\bidiposcount
5715             \endcsname
5716             \dimexpr \csname bidi@xpos@@end@\number\bidiposcount
5717             \endcsname sp - \csname bidi@xpos@@start@\number\bidiposcount
5718             \endcsname sp\relax
5719         \else
5720             \dimexpr \csname bidi@xpos@@start@\number\bidiposcount
5721             \endcsname sp - \csname bidi@xpos@@end@\number\bidiposcount
5722             \endcsname sp\relax
5723         \fi
5724     }%
5725 }
5726
5727 \newcommand*\currentposyheight}{%
5728     \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{\z@}
5729     {%
5730         \dimexpr \csname bidi@ypos@@start@\number\bidiposcount
5731             \endcsname sp - \csname bidi@ypos@@end@\number\bidiposcount
5732             \endcsname sp\relax

```



```

5733 }%
5734 }
5735
5736
5737
5738 \newcommand*\setbaselineskip}[1]{%
5739     \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
5740     \selectfont
5741 }
5742
5743
5744 \newcommand*\bidi@newrobustcmd{}
5745 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
5746
5747 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
5748
5749 \def\bidi@newcommand#1[#2]{%
5750     \@ifnextchar [%]
5751     {\bidi@xargdef#1[#2]}
5752     {\ifx\l@ngrel@x\relax
5753         \let\l@ngrel@x\protected
5754         \else
5755             \protected\def\l@ngrel@x{\protected\long}%
5756         \fi
5757         \@argdef#1[#2]}}
5758
5759 \long\def\bidi@xargdef#1[#2][#3]#4{%
5760     \@ifdefinable#1{%
5761         \expandafter\protected
5762         \expandafter\def
5763         \expandafter#1%
5764         \expandafter{%
5765             \expandafter\@testopt
5766             \csname\string#1\endcsname{#3}}%
5767         \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
5768
5769 \bidi@newrobustcmd*\bidi@renewrobustcmd{\@star@or@long\bidi@renew@command}
5770
5771 \def\bidi@renew@command#1{%
5772     \if@bidi@undef{#1}
5773         {\bidi@error{\string#1 undefined}\@ehc}
5774         }%
5775     \let\@ifdefinable\@rc@ifdefinable
5776     \bidi@new@command#1}
5777
5778
5779
5780 \bidi@newrobustcmd*\bidi@providerobustcmd{\@star@or@long\bidi@provide@command}
5781
5782 \def\bidi@provide@command#1{%
5783     \if@bidi@undef{#1}
5784         {\def\reserved@a{\bidi@new@command#1}}
5785         {\def\reserved@a{\bidi@renew@command\reserved@a}}%
5786     \reserved@a}

```



```

5787
5788 \newcommand*{\bidi@csuse}[1]{%
5789   \ifcsname#1\endcsname
5790   \csname#1\expandafter\endcsname
5791   \fi}
5792
5793 \newcommand{\bidi@expandonce}[1]{%
5794   \unexpanded\expandafter{#1}}
5795
5796 \def\bidi@protected{%
5797   \let\@@protect\protect
5798   \let\protect\@unexpandable@protect
5799   \afterassignment\restore@protect}
5800
5801 \bidi@newrobustcmd{\bidi@appto}[2]{%
5802   \if@bidi@undef{#1}
5803     {\edef#1{\unexpanded{#2}}}
5804     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}
5805 \bidi@newrobustcmd{\bidi@eappto}[2]{%
5806   \if@bidi@undef{#1}
5807     {\edef#1{#2}}
5808     {\edef#1{\bidi@expandonce#1#2}}}
5809 \bidi@newrobustcmd{\bidi@gappto}[2]{%
5810   \if@bidi@undef{#1}
5811     {\xdef#1{\unexpanded{#2}}}
5812     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}
5813 \bidi@newrobustcmd{\bidi@xappto}[2]{%
5814   \if@bidi@undef{#1}
5815     {\xdef#1{#2}}
5816     {\xdef#1{\bidi@expandonce#1#2}}}
5817
5818 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
5819 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
5820
5821
5822
5823 \bidi@newrobustcmd{\bidi@preto}[2]{%
5824   \if@bidi@undef{#1}
5825     {\edef#1{\unexpanded{#2}}}
5826     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}
5827 \bidi@newrobustcmd{\bidi@epreto}[2]{%
5828   \if@bidi@undef{#1}
5829     {\edef#1{#2}}
5830     {\edef#1{#2\bidi@expandonce#1}}
5831 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
5832   \if@bidi@undef{#1}
5833     {\xdef#1{\unexpanded{#2}}}
5834     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}
5835 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
5836   \if@bidi@undef{#1}
5837     {\xdef#1{#2}}
5838     {\xdef#1{#2\bidi@expandonce#1}}
5839
5840 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}

```



```

5841 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
5842
5843
5844
5845 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
5846 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
5847 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
5848 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
5849 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
5850 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
5851
5852
5853
5854 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
5855 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
5856 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
5857 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
5858 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
5859 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
5860
5861
5862
5863 \bidi@newrobustcmd{\if@bidi@patchable}{%
5864   \bidi@dbg@trce\if@bidi@patchable
5865   \beginingroup
5866   \@makeother\#%
5867   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
5868
5869 \long\def\bidi@ifpatchable#1#2{%
5870   \endgroup
5871   \bidi@dbg@init#1%
5872   \if@bidi@undef{#1}
5873     {\bidi@dbg@fail{def}\@secondoftwo}
5874     {\bidi@dbg@info{def}}%
5875     \if@bidi@defmacro{#1}
5876       {\bidi@dbg@info{mac}}%
5877       \bidi@ifscanable{#1}
5878       {\bidi@ifhashcheck{#2}
5879         {\bidi@dbg@info{tok}}%
5880         \bidi@ifpattern#1{#2}
5881         {\bidi@dbg@info{pat}}%
5882         \bidi@dbg@info{pos}\@firstoftwo}
5883         {\bidi@dbg@fail{pat}\@secondoftwo}}
5884         {\bidi@dbg@fail{hsh}\@secondoftwo}}
5885         {\bidi@dbg@fail{tok}\@secondoftwo}}
5886         {\bidi@dbg@fail{mac}\@secondoftwo}}
5887
5888 \long\def\bidi@ifpatchable@i#1{%
5889   \endgroup
5890   \bidi@dbg@init#1%
5891   \if@bidi@undef{#1}
5892     {\bidi@dbg@fail{def}\@secondoftwo}
5893     {\bidi@dbg@info{def}}%
5894     \if@bidi@defmacro{#1}

```



```

5895     {\bidi@dbg@info{mac}%
5896     \if@bidi@defparam{#1}
5897         {\bidi@dbg@info{prm}%
5898         \bidi@ifscanable{#1}
5899         {\bidi@dbg@info{tok}%
5900         \bidi@dbg@info{pos}\@firstoftwo}
5901         {\bidi@dbg@fail{tok}\@secondoftwo}}
5902     {\bidi@dbg@info{prl}%
5903     \if@bidi@defprotected{#1}
5904     {\bidi@dbg@info{pro}%
5905     {}%
5906     \bidi@dbg@info{pos}\@firstoftwo}}
5907     {\bidi@dbg@fail{mac}\@secondoftwo}}
5908
5909 \bidi@newrobustcmd*{\bidi@patchcmd}{%
5910 \bidi@dbg@trce\bidi@patchcmd
5911 \begingroup
5912 \@makeother\#%
5913 \bidi@@patchcmd}
5914
5915 \newcommand{\bidi@patchcmd}[4][#####1]{%
5916 \bidi@ifpatchable#2{#3}
5917     {\bidi@dbg@succ{ret}%
5918     \begingroup
5919     \edef\bidi@resrvda{%
5920     \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
5921     #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
5922     \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
5923     ####1\detokenize{#4}####2}%
5924     \edef\noexpand\bidi@resrvda{%
5925     \noexpand\bidi@resrvda\meaning#2&}}%
5926     \bidi@resrvda
5927     \bidi@patchcmd@scantoks\bidi@resrvda
5928     \let#2\bidi@resrvda
5929     \bidi@undef\bidi@resrvda
5930     \@firstoftwo}
5931     {\@secondoftwo}}
5932
5933 \def\bidi@patchcmd@scantoks#1{%
5934 \edef\bidi@resrvda{\endgroup
5935 \unexpanded{\makeatletter\scantokens}{#1}%
5936 \catcode\number`\@=\the\catcode`\@}\relax}%
5937 \bidi@resrvda}
5938
5939 \newcommand\bidi@isloaded[2][]{
5940 \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
5941 \expandafter\newif\csname if@bidi@#2loaded@\endcsname
5942 \fi
5943 \@ifpackageloaded{#2}
5944     {\csname @bidi@#2loaded@true\endcsname #1}
5945     {\csname @bidi@#2loaded@false\endcsname}}
5946
5947 \protected\def\bidi@ifscanable#1{%
5948 \begingroup

```



```

5949 \edef\bidiresrvda{%
5950   \def\noexpand\bidiresrvda####1\detokenize{macro}:###2->###3&{%
5951     ###1\def\string\bidiresrvda####2{###3}}%
5952   \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
5953 \bidiresrvda
5954 \makeatletter
5955 \scantokens\expandafter{\bidiresrvda}%
5956 \expandafter\endgroup\ifx#1\bidiresrvda
5957   \expandafter\@firstoftwo
5958 \else
5959   \expandafter\@secondoftwo
5960 \fi}
5961
5962
5963 \protected\long\def\bidifhashcheck#1{%
5964   \begingroup
5965   \edef\bidiresrvda{\detokenize{#1}}%
5966   \expandafter\endgroup
5967   \expandafter\bidifhashcheck@i\meaning\bidiresrvda&}
5968
5969 \edef\bidifhashcheck@i#1&{%
5970   \noexpand\expandafter
5971   \noexpand\bidifhashcheck@ii
5972   \noexpand\strip@prefix#1\string#\string#&}
5973
5974 \edef\bidifhashcheck@ii{%
5975   \def\noexpand\bidifhashcheck@ii##1\string#\string###2&}
5976 \bidifhashcheck@ii{\if@bidi@blank{#2}}
5977
5978
5979 \protected\long\def\bidifpattern#1#2{%
5980   \begingroup
5981   \edef\bidiresrvda{%
5982     \def\noexpand\bidiresrvda####1\detokenize{#2}###2&{%
5983       \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{###2}}%
5984     \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda
5985       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
5986     \noexpand\bidiresrvda}
5987     \bidiresrvda\@secondoftwo\@firstoftwo}
5988
5989
5990 \newcommand{\if@bidi@defparam}{-}
5991 \long\edef\if@bidi@defparam#1{%
5992   \noexpand\expandafter\noexpand\bidifdefparam
5993   \noexpand\meaning#1\detokenize{macro}:->&}
5994 \edef\bidifdefparam{%
5995   \def\noexpand\bidifdefparam##1\detokenize{macro}:##2->##3&}
5996 \bidifdefparam{\bidinotblank{#2}}
5997
5998
5999 \newcommand{\if@bidi@defprotected}{-}
6000 \long\edef\if@bidi@defprotected#1{%
6001   \noexpand\expandafter\noexpand\bidifdefprotected
6002   \noexpand\meaning#1\string\protected&}

```



```

6003 \edef\bidi@ifdefprotected{%
6004 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
6005 \bidi@ifdefprotected{\bidi@notblank{#2}}
6006
6007
6008 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
6009 \bidi@newrobustcmd{\bidi@csundef}[1]{%
6010 \expandafter\let\csname #1\endcsname\bidi@undefined
6011 }
6012
6013 \let\bidi@dbg@trce@gobble
6014 \let\bidi@dbg@init@gobble
6015 \let\bidi@dbg@info@gobble
6016 \let\bidi@dbg@succ@gobble
6017 \let\bidi@dbg@fail@gobble
6018
6019
6020
6021 \bidi@newrobustcmd*{\bidi@apptocmd}{%
6022 \bidi@dbg@trce\bidi@apptocmd
6023 \beginingroup
6024 \@makeother\#%
6025 \bidi@hooktocmd\bidi@append}
6026
6027
6028
6029 \bidi@newrobustcmd*{\bidi@pretocmd}{%
6030 \bidi@dbg@trce\bidi@pretocmd
6031 \beginingroup
6032 \@makeother\#%
6033 \bidi@hooktocmd\bidi@prepend}
6034
6035 \long\def\bidi@hooktocmd#1#2#3{%
6036 \endgroup
6037 \bidi@dbg@init#2%
6038 \if\bidi@undef{#2}
6039 {\bidi@dbg@fail{def}\@secondoftwo}
6040 {\bidi@dbg@info{def}%
6041 \if\bidi@defmacro{#2}
6042 {\bidi@dbg@info{mac}%
6043 \if\bidi@defparam{#2}
6044 {\bidi@dbg@info{prm}%
6045 \bidi@ifscanable{#2}
6046 {\bidi@ifhashcheck{#3}
6047 {\bidi@dbg@info{tok}%
6048 \bidi@dbg@succ{ret}%
6049 \bidi@hooktocmd@i#1#2{#3}%
6050 \@firstoftwo}
6051 {\bidi@dbg@fail{hsh}\@secondoftwo}}
6052 {\bidi@dbg@fail{tok}\@secondoftwo}}
6053 {\bidi@dbg@info{prl}%
6054 \if\bidi@defprotected{#2}
6055 {\bidi@dbg@info{pro}%
6056 \bidi@dbg@succ{red}%

```




```

6057         \protected}
6058         {\bidi@dbg@succ{red}}%
6059         \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
6060         \@firstoftwo}
6061         {\bidi@dbg@fail{mac}\@secondoftwo}}
6062
6063 \long\def\bidi@hooktocmd@i#1#2#3{%
6064   \begingroup
6065   \edef\bidi@resrvda{%
6066     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
6067       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
6068   \edef\noexpand\bidi@resrvda{%
6069     \noexpand\bidi@resrvda\meaning#2&}}%
6070   \bidi@resrvda
6071   \bidi@patchcmd@scantoks\bidi@resrvda
6072   \let#2\bidi@resrvda
6073   \bidi@undef\bidi@resrvda}
6074
6075 \long\def\bidi@append#1#2{#1#2}
6076 \long\def\bidi@prepend#1#2{#2#1}
6077
6078 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
6079 %\newcommand*{\bidi@endpreamblehook}{}
6080
6081 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%
6082
6083 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipou
6084 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
6085
6086 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
6087 \newcommand*{\bidi@beforeheaderhook}{}
6088
6089 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutpu
6090 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
6091
6092 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputp
6093 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
6094
6095 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
6096 \newcommand*{\bidi@beforefooterhook}{}
6097
6098 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
6099 \newcommand*{\bidi@afterfooterhook}{}
6100
6101
6102 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouth
6103 \newcommand*{\bidi@afteroutputpageshipouthook}{}
6104
6105 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
6106 \newcommand*{\bidi@atendoutputpagehook}{}
6107
6108 %\bidi@preto\document{%
6109 % \endgroup
6110 % \let\bidi@AtEndPreamble\@firstofone

```



```

6111 % \bidi@endpreamblehook
6112 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
6113 % \bidi@undef\bidi@endpreamblehook
6114 % \begingroup}
6115
6116 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
6117 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
6118
6119 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
6120 %\newcommand*{\bidi@afterendpreamblehook}{}
6121
6122 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}%
6123
6124 %\bidi@appto\document{%
6125 % \let\bidi@AfterEndPreamble\@firstofone
6126 % \bidi@afterendpreamblehook
6127 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
6128 % \bidi@undef\bidi@afterendpreamblehook
6129 % \ignorespaces}
6130
6131 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocumentchecklabelsrerunhook}
6132 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{}
6133
6134 \bidi@patchcmd\enddocument
6135 {\fi}
6136 {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
6137 \bidi@afterenddocumentchecklabelsrerunhook
6138 \fi}
6139 {}
6140 {\PackageWarning{biditools}{Patching `string\enddocument' failed}}
6141
6142 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
6143
6144 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
6145 \newcommand*{\bidi@afterlastshipouthook}{}
6146
6147 \bidi@patchcmd\enddocument
6148 {\clearpage}
6149 {\clearpage
6150 \let\bidi@AfterLastShipout\@firstofone
6151 \bidi@afterlastshipouthook}
6152 {}
6153 {\let\bidi@clearpage\clearpage
6154 \def\clearpage{%
6155 \bidi@clearpage
6156 \let\bidi@AfterLastShipout\@firstofone
6157 \bidi@afterlastshipouthook}}
6158
6159 %\bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
6160 %\newcommand*{\bidi@afterenddocumenthook}{}
6161
6162 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\AddToHook{enddocument/end}}%
6163
6164 %\bidi@patchcmd\enddocument

```



```

6165 % {\deadcycles}
6166 % {\let\bid@AfterEndDocument\@firstofone
6167 % \bid@afterenddocumenthook
6168 % \deadcycles}
6169 % {}
6170 % {\let\bid@@end\@end
6171 % \def\@end{%
6172 % \let\bid@AfterEndDocument\@firstofone
6173 % \bid@afterenddocumenthook
6174 % \bid@@end}}
6175
6176 \bid@newrobustcmd{\bid@AtBeginEnvironment}[1]{%
6177 \bid@csgappto{@bid@begin@#1@hook}}
6178
6179 % Patch \begin<space> and \end<space> in newer LaTeX releases
6180 % \begin and \end in older ones.
6181 \expandafter\bid@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6182 {\csname #1\endcsname}
6183 {\bid@csuse{@bid@begin@#1@hook}}%
6184 \csname #1\endcsname}
6185 {}
6186 {\bid@warning{%
6187 Patching '\string\begin' failed!\MessageBreak
6188 '\string\bid@AtBeginEnvironment' will not work@gobble}}
6189
6190
6191
6192 \bid@newrobustcmd{\bid@AtEndEnvironment}[1]{%
6193 \bid@csgappto{@bid@end@#1@hook}}
6194
6195 \expandafter\bid@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6196 {\csname end#1\endcsname}
6197 {\bid@csuse{@bid@end@#1@hook}}%
6198 \csname end#1\endcsname}
6199 {}
6200 {\bid@warning{%
6201 Patching '\string\end' failed!\MessageBreak
6202 '\string\bid@AtEndEnvironment' will not work@gobble}}
6203
6204
6205
6206 \bid@newrobustcmd{\bid@BeforeBeginEnvironment}[1]{%
6207 \bid@csgappto{@bid@beforebegin@#1@hook}}
6208
6209 \expandafter\bid@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6210 {\bid@csuse{@bid@beforebegin@#1@hook}}
6211 {}
6212 {\bid@warning{%
6213 Patching '\string\begin' failed!\MessageBreak
6214 '\string\bid@BeforeBeginEnvironment' will not work@gobble}}
6215
6216 \bid@newrobustcmd{\bid@AfterEndEnvironment}[1]{%
6217 \bid@csgappto{@bid@afterend@#1@hook}}
6218

```



```

6219 \expandafter\bidipatchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6220 {\ifignore}
6221 {\bidicsuse{@bidi@afterend@#1@hook}%
6222 \ifignore}
6223 {}
6224 {\bidi@warning{%
6225   Patching '\string\end' failed!\MessageBreak
6226   '\string\bidi@AfterEndEnvironment' will not work@gobble}}
6227
6228 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
6229 \def\bidi@namegdef#1{\expandafter\gdef\csname #1\endcsname}
6230 \def\bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
6231 \def\bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
6232
6233 % From David Carlisle:
6234 % The \stpelt redefinition below belongs to Heiko Oberdiek
6235 % See also https://github.com/ho-tex/oberdiek/issues/26
6236
6237 \let\@bidi@stepcounter\stepcounter
6238 \let\@bidi@@stpelt\stpelt
6239
6240 \def\@stpelt#1{%
6241   \ifcsname bidi@reset@#1@perpage\endcsname
6242     \begingroup
6243       \let\stepcounter\@bidi@stepcounter
6244       \@bidi@@stpelt{#1}%
6245     \endgroup
6246     \expandafter\@gobbletwo
6247   \fi
6248   \@bidi@@stpelt{#1}%
6249 }
6250
6251 \bidi@pretocmd\stepcounter
6252 {%
6253   \if@bidi@csundef{bidi@stepcounterhook@@#1}{-}{-}%
6254   \csname bidi@stepcounterhook@@#1\endcsname
6255 }%
6256 }{-}%
6257 {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
6258
6259 \chardef\bidi@backslash`\\
6260 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
6261
6262 % anonymous control sequences
6263 \newcount\bidi@temptcountb
6264 \newtoks\bidi@temptoksa
6265 \newtoks\bidi@temptoksb
6266
6267 % Catcode (re)storing
6268 %
6269 \def\bidi@storecatcode#1%
6270   {\escapechar\m@ne
6271   \bidi@csarg\edef{bidi@restorecatcode\string#1}%
6272   {\catcode`\string#1=

```



```

6273             \the\catcode\expandafter`\string#1}%
6274 \catcode\expandafter`\string#1=12\relax
6275 \escapechar`\\relax}
6276 \def\bidi@restorecatcode#1%
6277   {\escapechar\m@ne
6278    \csname bidi@restorecatcode\string#1\endcsname
6279    \escapechar`\\relax}
6280
6281 % Construct a control sequence inside \edef
6282 %
6283 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
6284
6285 % Construct a control sequence out of #2, and give it to #1
6286 %
6287 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
6288
6289 % Pick an escapecharacter
6290 % this presumes that its argument is a character.
6291 %
6292 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
6293
6294 % Equality of strings.
6295 % the fast approach: does not work in expansion-only environment.
6296 %
6297 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
6298   \ifx\bidi@eqs@a\bidi@eqs@b}
6299
6300 % Test by expansion only
6301 %
6302 \def\bidi@EqualStringX#1#2{00\fi
6303   \csname if@\bidi@EqualStringX#1&#2&$\endcsname}
6304 \def@\bidi@EqualStringX#1#2$#3#4${\ifx#1#3%
6305   \ifx#1&true\else\bidi@hop@ES@\bidi@EqualStringX#2$#4$\fi
6306   \else false\fi}
6307 \def\bidi@hop@ES#1\fi#2\fi{\fi\fi#1}
6308
6309 % Lexicographic ordering
6310 % note the use of \def
6311 % also note the characters 0,127,255 that are used,
6312 % these are not supposed to appear in the strings
6313 %
6314 {\catcode0=12 \catcode255=12 \catcode127=12
6315 \gdef\bidi@StringBeforeNC#1#2{00\fi
6316   \bidi@CharsBefore#1^^@@?#2^^ff^^?}
6317 \gdef\bidi@CharsBeforeNC#1#2^^?#3#4^^?{%
6318   \ifcat#1\relax\def\bidi@next{\bidi@CharsBefore#2^^@@?#3#4^^ff^^?}%
6319   \else\ifcat#3\relax\def\bidi@next{\bidi@CharsBefore#1#2^^@@?#4^^ff^^?}%
6320   \else\ifnum\lccode`#1<\lccode`#3
6321     \def\bidi@next{\csname iftrue\endcsname}%
6322   \else\ifnum\lccode`#1>\lccode`#3
6323     \def\bidi@next{\csname iffalse\endcsname}%
6324   \else\def\bidi@next{\bidi@CharsBefore#2^^?#4^^?}%
6325   \fi \fi \fi \fi
6326 \bidi@next}

```



```

6327 \gdef\bidi@StringBefore#1#2{00\fi
6328   \bidi@CharsBefore#1^^@^^?#2^^ff^^?}
6329 \gdef\bidi@CharsBefore#1#2^^?#3#4^^?{%
6330   \ifnum`#1<`#3
6331     \def\bidi@next{\csname iftrue\endcsname}%
6332   \else\ifnum`#1>`#3
6333     \def\bidi@next{\csname iffalse\endcsname}%
6334     \else\def\bidi@next{\bidi@CharsBefore#2^^?#4^^?}%
6335   \fi\fi
6336   \bidi@next}
6337 }
6338
6339 % Null argument test
6340 %
6341 \def\bidi@empty{}
6342 \def\bidi@ifempty#1{00\fi\expandafter\ifx\csname bidi@#1@null\endcsname\bidi@@null}
6343 \def\bidi@ifemptyX#1{\expandafter\ifx\csname bidi@#1@null\endcsname\bidi@@null}
6344 %\def\bidi@ifempty#1{\def\bidi@cs@a{#1}\ifx\bidi@cs@a\bidi@empty}
6345 \def\bidi@IsEmptyList#1{00\fi\def\bidi@cs@a{#1}\ifx\cs@a\bidi@empty}
6346
6347 % Next character test
6348 %
6349 \def\bidi@NextChar#1#2#3{00\fi
6350   \let\bidi@nxt@ch#1\def\bidi@nxt@a{#2}\def\bidi@nxt@b{#3}%
6351   \futurelet\bidi@nxt@c\@bidi@ifnxtc}
6352 \def\bidi@ifNextChar#1#2#3{%
6353   \let\bidi@nxt@ch#1\def\bidi@nxt@a{#2}\def\bidi@nxt@b{#3}%
6354   \futurelet\bidi@nxt@c\@bidi@ifnxtc}
6355 \def\@bidi@ifnxtc{\ifx\bidi@nxt@ch\bidi@nxt@c \expandafter\bidi@nxt@a
6356   \else \expandafter\bidi@nxt@b \fi}
6357
6358 % Test for defined-ness of string as control sequence.
6359 % works inside \edef
6360 %
6361 \def\bidi@undefinedcs#1{00\fi\bidi@csarg\ifx{#1}\relax}
6362
6363 % Define uniquely defined dummy macros,
6364 % usually to serve as bumper blocks at the end of a list
6365 %
6366 \newcount\bidi@dummies
6367 \def\DefNewDummy#1{
6368   \if\bidi@undefinedcs{#1}\bidi@csarg\edef{#1}{bidi@dum\the\bidi@dummies}
6369   \advance\bidi@dummies\@ne
6370   \else
6371     \bidi@error{Attempt at second definition of `#1'}
6372   \fi}
6373
6374 % string case statement
6375 % use: \bidi@switch \iftest{...} in:
6376 %   item1 action1
6377 %   ...
6378 %   itemn actionn
6379 %   default defaultaction [optional]
6380 %   \endbidi@switch

```



```

6381 % inspired by Jonathan Fine: Some Basic Control Macros
6382 % Tugboat 12 #4
6383 %
6384 \let\@bidi@fi\fi \let\endbidi@switch\relax \DefNewDummy{bidi@default}
6385 \def\bidi@switch@exit #1 \@bidi@fi #2 \endbidi@switch {\fi #1}
6386 \def\bidi@switch #1#2#3{\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6387 #1{#2}\bidi@switch@exit #3 \@bidi@fi
6388 \bidi@switch {#1}
6389 }
6390 % this version puts the test object in {}
6391 \def\bidi@oswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6392 #1{#2}\bidi@switch@exit #3 \@bidi@fi
6393 \bidi@switch #1 in:
6394 }
6395 % this version assumes that the test object is just one character
6396 \def\bidi@cswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6397 #1#2\bidi@switch@exit #3 \@bidi@fi
6398 \bidi@cswitch #1 in:
6399 }
6400 % this version assumes that the test object can have an optional space
6401 \def\bidi@bswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6402 #1#2 \bidi@switch@exit #3 \@bidi@fi
6403 \bidi@bswitch #1 in:
6404 }
6405 % this version can cope with significant spaces at the start of #3;
6406 % #2 is macro argument
6407 \def\bidi@mswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6408 #1{#2}\bidi@switch@exit #3 \@bidi@fi
6409 \bidi@mswitch #1 in:
6410 }
6411 % idem; #2 does not have to be enclosed in braces
6412 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6413 #1#2 \bidi@switch@exit #3 \@bidi@fi
6414 \bidi@fswitch #1 in:
6415 }
6416
6417 % Routines for taking the value of a string:
6418 % if the string is defined as control sequence
6419 % take the value of that, otherwise take the string itself
6420
6421 % String or value of control sequence
6422 %
6423 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
6424
6425 % String or control sequence
6426 %
6427 \def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
6428
6429 % String or \noexpand-ed control sequence;
6430 % for use in \edef
6431 %
6432 \newif\ifbidi@in@label
6433 \def\@bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
6434 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}

```



```

6435 \newtoks\bidicare@these@correct
6436 \def\bidit@w@w#1{%
6437   \if\bidiumdefinedcs{#1}#1%
6438     \ifdefining\bidic@append@to@list\bidicare@these@correct{#1 }\fi
6439   \else
6440     \ifin@label\noexpand\protect\fi \bidicsname{#1}\fi}
6441
6442 % List Manipulation .....
6443 % this assumes that #1 is a list of tokens, #2 is the name of a list
6444 %
6445 % Names of lists (and of items to pop into) are given as strings;
6446 % not as control sequences.
6447 %
6448 \newtoks\biditoks@lista \newtoks\biditoks@listb
6449 % basic append/prepend macro
6450 \long\def\@bidic@append@to@cslist#1#2#3{\begingroup\biditoks@lista=#2{#3}%
6451   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\biditoks@lista}
6452 \long\def\@bidic@prepend@to@cslist#1#2#3{\begingroup\biditoks@lista=#2{#3}%
6453   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\biditoks@lista}
6454 \def\@bidic@append@to@list{\bidicsarg\@bidic@append@to@cslist}
6455 \def\@bidic@prepend@to@list{\bidicsarg\@bidic@prepend@to@cslist}
6456 % variations:
6457 \long\def\bidic@append@to@list#1#2{\@bidic@append@to@list{#1}{#2}}
6458 \long\def\bidic@prepend@to@list#1#2{\@bidic@prepend@to@list{#1}{#2}}
6459 \def\bidic@append@list@to@list#1#2{%
6460   \@bidic@append@to@list{#1}\expandafter\expandafter\expandafter{\expandafter\the\csname#2}
6461 \def\bidic@prepend@list@to@list#1#2{%
6462   \@bidic@prepend@to@list{#1}\expandafter\expandafter\expandafter{\expandafter\the\csname#2}
6463 \def\bidic@append@cslist@to@cslist#1#2{%
6464   \@bidic@append@to@cslist{#1}\expandafter{\the#2}}
6465 \def\bidic@prepend@cslist@to@cslist#1#2{%
6466   \@bidic@prepend@to@cslist{#1}\expandafter{\the#2}}
6467 \def\bidic@append@toks@cs@to@list#1#2{\@bidic@append@to@list{#1}\expandafter{\the#2}}
6468 \def\bidic@prepend@toks@cs@to@list#1#2{\@bidic@prepend@to@list{#1}\expandafter{\the#2}}
6469
6470 \let\bidic@willbeunhskip\unhskip
6471
6472 % A few list macros for the user
6473 \def\NewTokenList:#1 {\bidicsarg\newtoks{#1}\global\csname#1\endcsname{}}
6474 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
6475 \long\def\AppendToTokenList:#1=#2 {\@bidic@append@to@list{#1}{#2}}
6476 \long\def\PrependToTokenList:#1=#2 {\@bidic@prepend@to@list{#1}{#2}}
6477 \def\TheTokenList:#1 {\let\bidic@oldwbuskip\bidic@willbeunhskip \let\bidic@willbeunhskip\@empt
6478   \if\bidiumdefinedcs{#1}\bidic@error{Token List <#1> undefined}
6479   \else\bidicsarg\the{#1}\fi
6480   \let\bidic@willbeunhskip\bidic@oldwbuskip}
6481
6482 \def\bidic@del@tok@from@list#1#2{\begingroup
6483   \long\def\bidic@cs@liste##1#2##2\bidic@tok@SM
6484     {\biditoks@lista{##1}\biditoks@listb{##2}%
6485     \edef\bidic@cs@listb{\global\bidicsname{#1}=
6486       {\the\biditoks@lista\the\biditoks@listb}}%
6487     \bidic@cs@listb}%
6488   \edef\bidic@cs@lista{\noexpand\bidic@cs@liste}\expandafter\the\csname#1\endcsname\noexpa

```




```

6489 \bidi@cs@lista \endgroup}
6490 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
6491 \bidi@in@front@of@cslist\bidi@cs@lista}
6492 \long\def\bidi@in@front@of@cslist#1#2{\begingroup\bidi@toks@lista={#2}%
6493 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lis
6494 \endgroup}
6495 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
6496 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expanda
6497 {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandaft
6498 \expandafter\the\csname#1\endcsname}%
6499 }
6500 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
6501 \bidi@set@cslist\bidi@cs@lista}
6502 \long\def\bidi@set@cslist#1#2{\begingroup\bidi@toks@lista={#2}%
6503 \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
6504
6505 %%%%%%%%%%% Stack macros
6506 %
6507 % push in terms of prepending of lists
6508 \def\bidi@push@cs@onto@cs#1#2{\@bidi@prepend@to@cslist#1\expandafter{\expandafter\\expanda
6509 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@cs{#1}}
6510 \def\bidi@push@onto@cs#1#2{\@bidi@prepend@to@cslist#1}{\{#2}}
6511 \def\bidi@local@push@onto#1#2{\let\=\relax
6512 \bidi@local@in@front@of@list{#1}{\{#2}}
6513 % pop via auxiliary macro: #1 is result, #2 is stack
6514 % two cs arguments
6515 \def\bidi@pop@cs@into#1#2{\edef\bidi@cs@e
6516 {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
6517 % two string arguments
6518 \def\bidi@pop@into#1#2{\edef\bidi@cs@e
6519 {\noexpand\@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@
6520 \long\def\@bidi@popinto#1#2\#3#4\@bidi@pop{#1{#3}#2{#4}}
6521 \def\bidi@copy@stacktop#1#2{%
6522 \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
6523 {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
6524 \bidi@cs@e}
6525 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
6526 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{}}
6527 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
6528 \def\bidi@length@of@csstack#1{\def\#1{\advance\bidi@stack@length\@ne}%
6529 \bidi@stack@length\m@ne \the#1}
6530 % turn a stack upside down
6531 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
6532 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
6533 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6534 \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\m@ne
6535 \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
6536 % \bidi@append@cslist@to@cslist\bidi@temptoksb\bidi@temptoksa% append a to b
6537 % \bidi@temptoksa\bidi@temptoksb
6538 \repeat% copy b to a
6539 #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6540 % invert a stack into a list
6541 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
6542 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks

```



```

6543 \loop\ifnum\bidit@tempcountb<\bidit@stack@length
6544 \bidit@pop@into{\bidit@temptoksb}{#1}\advance\bidit@stack@length\m@ne
6545 \bidit@append@list@to@list{\bidit@temptoksb}{\bidit@temptoksa}\repeat
6546 \csname#1\endcsname\bidit@temptoksa \bidit@temptoksa\bidit@empty@toks}
6547
6548
6549 % General loop macro:
6550 % \looprepeat
6551 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
6552 % \untilcondition{<cond>} \whilecondition{<cond>}
6553 % \doloopbody { <loop body> }
6554 % where all control sequences in between \looprepeat and \doloopbody are optional.
6555 %
6556 % var: characters to form a control sequence;
6557 % after \forvariable{index} you can access the loop counter as \index.
6558 % This is a count register; to print it use \number\index.
6559 % start,step,end: integers with obvious relations to the loop counter;
6560 % start and step have a default value of 1
6561 % cond: (sequence of commands ending in) any TeX \if... test.
6562 %
6563 % Count down instead of up with \downtovalue; the increment given in \bystep
6564 % is always positive, and is added or subtracted accordingly.
6565 %
6566 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
6567 % at the beginning of the loop body.
6568 %
6569 % Exit from middle of loop: \breaklooprepeat
6570 % use this at any place in the loop; in case of a conditional use
6571 % \ifsomething ... \expandafter \breaklooprepeat \fi
6572 %
6573 % Note that the line ends do not cause spaces in the output.
6574 %
6575 % Technical details:
6576 % The loop body is not executed in a group: the braces are those
6577 % of a token list.
6578 % The `forvariable' variable is \let to a \count register.
6579
6580
6581
6582 % Auxiliary stuff
6583 \def\bidit@looprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
6584 \def\bidit@looprepeat@csromannumeral#1{\csname #1\romannumeral\bidit@looprepeat@depth\endcsname}
6585 \def\bidit@looprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidit@looprepeat@depth\endcsname}
6586
6587 \newcount\bidit@looprepeat@depth
6588 \let\endlooprepeat\relax \def\bidit@csprotect{}
6589 % Trace switches may later be defined by PAC_utils
6590 \let\bidit@looprepeat@traceinit\relax \let\bidit@looprepeat@traceexit\relax
6591
6592 % Main repeatloop macro
6593 % - go to next level and allocate unique counter/toks if this is the
6594 % first time we visit this level
6595 % - setup: gather bounds and termination conditions
6596 % - scoop up body in token list; after the assignment define and

```



```

6597 %   execute body
6598 \def\looprepeat#1\doloopbody{\bidi@looprepeat@traceinit % exit in \breakrepeatloop
6599   \advance\bidi@looprepeat@depth\@ne\relax
6600   \bidi@looprepeat@csargromannumeral\ifx{\bidi@looprepeat@count}\relax
6601     \bidi@looprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidi@looprepe
6602     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepe
6603     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepe
6604     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepe
6605   \fi \bidi@looprepeat@zero \def\bidi@looprepeat@sign{\def\bidi@looprepeat@comp{>}\bidi@lo
6606   \edef\bidi@looprepeat@tmp
6607     {\def\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@looprepeat}{\bidi@lo
6608   \afterassignment\bidi@looprepeat@dxbody\bidi@looprepeat@csromannumeral{\bidi@looprepeat@to
6609
6610 % Define and execute loop body
6611 % This is done with an \edef to construct the actual sequence
6612 \def\bidi@looprepeat@dxbody{\bidi@looprepeat@csargromannumeral\edef{\bidi@looprepeat@body}{%
6613   \bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}%
6614   \noexpand\the\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@toks}%
6615   \bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@utest}%
6616   \global\bidi@looprepeat@csargromannumeral\advance{\bidi@looprepeat@count} by \bidi@loopre
6617   \noexpand\endlooprepeat
6618   \bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@looprepeat}}%
6619   \bidi@looprepeat@csromannumeral{\bidi@looprepeat@body}\ignorespaces}
6620
6621 % Stop test
6622 %% In order to stop, issue a
6623 % \breaklooprepeat which scoops up the rest of the body and exits
6624 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral
6625   \advance\bidi@looprepeat@depth\m@ne \bidi@looprepeat@traceexit
6626   }
6627
6628
6629 % Setup
6630 % gather bounds and termination conditions
6631 \def\bidi@looprepeat@setup#1{%
6632   \begingroup
6633     \def\forvariable##1{%
6634       \edef\bidi@looprepeat@tmp{%
6635         \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral{\bidi
6636         \bidi@looprepeat@tmp}%
6637       \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global{\bidi@looprepeat@count}##1\i
6638       \def\tovalue##1{%
6639         \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@lo
6640         {\bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}%
6641         \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@count}\b
6642         \noexpand\expandafter \noexpand\breaklooprepeat
6643         \noexpand\fi}\ignorespaces}%
6644         \bidi@looprepeat@tmp}%
6645       \def\downvalue##1{%
6646         \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}
6647       \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value
6648         \bidi@looprepeat@csargromannumeral\gdef{\bidi@looprepeat@inc}{-##1}\else
6649         \bidi@looprepeat@csargromannumeral\gdef{\bidi@looprepeat@inc}{##1}\fi\ignores
6650       \def\untilcondition##1{%

```



```

6651 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{bidiloop
6652 {\noexpand##1\relax
6653 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6654 \bidilooprepeat@tmp}%
6655 \def\whilecondition##1{%
6656 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{bidiloop
6657 {\noexpand##1\relax \noexpand\else
6658 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6659 \bidilooprepeat@tmp}%
6660 \fromvalue{\@ne}\bystep{\@ne}#1%
6661 \endgroup}
6662 \def\bidilooprepeat@zero
6663 {\bidilooprepeat@csromannumeral{bidilooprepeat@toks}{}\bidilooprepeat@csromannumeral{
6664 \bidilooprepeat@csargromannumeral\def{bidilooprepeat@body}{}}
6665
6666 %\tracingmacros2
6667 %\newcount\tmpcount % used in some examples below
6668
6669 %\looprepeat \forvariable{i}
6670 % \bystep{2}
6671 % \doloopbody {%
6672 % \ifnum i=13 \expandafter\breaklooprepeat \fi
6673 % \number{i} } %
6674 %}%
6675
6676 %\looprepeat \forvariable{iii}
6677 % \tovalue{8}
6678 % \doloopbody {}
6679 %After loop: \number{iii}%
6680
6681 %\looprepeat \forvariable{i}
6682 % \fromvalue{10}
6683 % \bystep{2}
6684 % \downtovalue{0}
6685 % \doloopbody {\number{i} }
6686
6687 %\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
6688 % \doloopbody {\number{x} }
6689
6690 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
6691
6692 %\looprepeat \forvariable{j}
6693 % \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
6694 % \doloopbody {\number{j} }
6695
6696 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
6697 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
6698 % \doloopbody {(\number{i}.\number{j} )
6699 % }
6700
6701 % infinite loop
6702 %\looprepeat \doloopbody {}
6703
6704 \renewcommand{\InputIfFileExists}[2]{%

```



```

6705 \begingroup\expandafter\expandafter\expandafter\endgroup
6706 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
6707 \expandafter\@secondoftwo
6708 \else
6709 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
6710 \expandafter\@firstoftwo
6711 \fi
6712 {%
6713 \expandafter\InputIfFileExists\expandafter{\csname
6714 #1-@bidi@alias\endcsname}{#2}%
6715 }%
6716 {\IfFileExists{#1}{%
6717 \bidi@load@hook{before}{#1}%
6718 #2\@addtofilelist{#1}%
6719 \@input \@filef@und
6720 \bidi@load@hook{after}{#1}%
6721 }}%
6722 }
6723
6724 \newcommand*\bidi@@loadwithoptions{}
6725 \newcommand*\bidi@loadwithoptions{}
6726 \let\bidi@loadwithoptions\@loadwithoptions
6727
6728 \renewcommand*\@loadwithoptions}[3]{%
6729 \begingroup\expandafter\expandafter\expandafter\endgroup
6730 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
6731 \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
6732 \else
6733 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
6734 \def\bidi@@loadwithoptions{%
6735 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}}%
6736 }%
6737 \fi
6738 \bidi@@loadwithoptions
6739 }
6740
6741 \newcommand*\bidi@onefilewithoptions{}
6742 \let\bidi@onefilewithoptions\@onefilewithoptions
6743 \def\@onefilewithoptions#1[#2][#3]#4{%
6744 \begingroup\expandafter\expandafter\expandafter\endgroup
6745 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
6746 \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
6747 \else
6748 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
6749 \edef\bidi@@onefilewithoptions{%
6750 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
6751 \fi
6752 \bidi@@onefilewithoptions[#{2}][#{3}]{#4}%
6753 \bidi@load@hook{lateafter}{#1.#4}%
6754 }
6755
6756 \newcommand*\bidi@ReplaceInput}[2]{%
6757 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
6758 }

```



```

6759
6760 \newcommand*{\bidi@UnReplaceInput}[1]{%
6761   \ifcsname #1-@bidi@alias\endcsname
6762     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
6763   \fi
6764 }
6765
6766 \newcommand*{\@bidi@replacefilewithtext}[3]{%
6767   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
6768 }
6769 \newcommand*{\bidi@ReplacePackage}[2]{%
6770   \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
6771 }
6772 \newcommand*{\bidi@ReplaceClass}[2]{%
6773   \@bidi@replacefilewithtext{#1}{#2}\@clsextension
6774 }
6775 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
6776   \ifcsname #1.#2-@bidi@aliasname\endcsname
6777     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
6778   \fi
6779 }
6780 \newcommand*{\bidi@UnReplacePackage}[1]{%
6781   \@bidi@unreplacefilewithtext{#1}\@pkgextension
6782 }
6783 \newcommand*{\bidi@UnReplaceClass}[1]{%
6784   \@bidi@unreplacefilewithtext{#1}\@clsextension
6785 }
6786 \newcommand*{\bidi@replacefile@msg}[2]{%
6787   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
6788 }
6789
6790 \newcommand*{\bidi@load@hook}[2]{%
6791   \@ifundefined{#2-@#1}{-}{%
6792     \@nameuse{#2-@#1}%
6793     \expandafter\let\csname #2-@#1\endcsname=\relax}}
6794 \newcommand*{\bidi@set@load@hook}[2]{%
6795   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{-}}{%
6796     \expandafter\g@addto@macro\csname #2-@#1\endcsname}
6797 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
6798 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
6799 \newcommand*{\bidi@BeforeClass}[1]{%
6800   \bidi@set@load@hook{before}{#1.\@clsextension}}
6801 \newcommand*{\bidi@AfterClass}{%
6802   \@ifstar {\@s@bidi@AfterClass}{%
6803     \@ifnextchar +\@bidi@AfterClass{%
6804       \@ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
6805     }%
6806   }%
6807 }
6808
6809 \newcommand*{\@@@bidi@AfterClass}[2]{%
6810   \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
6811     \aftergroup\@s@bidi@AfterClass
6812   \else

```



```

6813 \aftergroup\@bidi@AfterAtEndOfClass
6814 \fi
6815 \endgroup{#2}%
6816 }
6817
6818 \newcommand*\@bidi@AfterAtEndOfClass}[1]{%
6819 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
6820 \newcommand*\@bidi@AfterClass}[2]{%
6821 \begingroup
6822 \expandafter\ifx\csname #2.\@clsextension-h@k\endcsname\relax
6823 \aftergroup\@s@bidi@AfterClass
6824 \else
6825 \aftergroup\@bidi@AfterClass
6826 \fi
6827 \endgroup{#2}%
6828 }
6829
6830 \newcommand*\@bidi@AfterClass}[1]{%
6831 \bidi@set@load@hook{after}{#1.\@clsextension}}
6832 \newcommand*\@s@bidi@AfterClass}[1]{%
6833 \begingroup
6834 \ifclassloaded{#1}{%
6835 \aftergroup\@secondoftwo
6836 }{%
6837 \aftergroup\@bidi@AfterClass
6838 }%
6839 \endgroup
6840 {#1}%
6841 }
6842
6843
6844 \newcommand*\@bidi@BeforePackage}[1]{%
6845 \bidi@set@load@hook{before}{#1.\@pkgextension}}
6846 \newcommand*\@bidi@AfterPackage}{%
6847 \@ifstar {\@s@bidi@AfterPackage}{%
6848 \ifnextchar +\@bidi@AfterPackage{%
6849 \ifnextchar !\@bidi@AfterPackage\@bidi@AfterPackage
6850 }%
6851 }%
6852 }
6853 \newcommand*\@bidi@AfterPackage}[2]{%
6854 \begingroup\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
6855 \aftergroup\@s@bidi@AfterPackage
6856 \else
6857 \aftergroup\@bidi@AfterAtEndOfPackage
6858 \fi
6859 \endgroup{#2}%
6860 }
6861 \newcommand*\@bidi@AfterAtEndOfPackage}[1]{%
6862 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
6863 \newcommand*\@bidi@AfterPackage}[2]{%
6864 \begingroup
6865 \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
6866 \aftergroup\@s@bidi@AfterPackage

```



```

6867 \else
6868 \aftergroup\@bidi@AfterPackage
6869 \fi
6870 \endgroup{#2}%
6871 }
6872 \newcommand*\@bidi@AfterPackage}[1]{%
6873 \bidi@set@load@hook{after}{#1.\@pkgextension}}
6874 \newcommand*\@s@bidi@AfterPackage}[1]{%
6875 \beginingroup
6876 \ifpackageloaded{#1}{%
6877 \aftergroup\@secondoftwo
6878 }{%
6879 \aftergroup\@bidi@AfterPackage
6880 }%
6881 \endgroup
6882 {#1}%
6883 }
6884
6885 \newcommand*\@bidi@excludedpackages}{ }
6886 \let\bidi@excludedpackages\@empty
6887 \newcommand*\@bidi@s@saved@RequirePackage}{ }
6888 \newcommand*\@bidi@PreventPackageFromLoading}{%
6889 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
6890 {\@bidi@PreventPackageFromLoading\PackageWarning}%
6891 }
6892 \newcommand*\@bidi@PreventPackageFromLoading}[1]{%
6893 \@ifnextchar [%]
6894 {\@@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1 []}%
6895 }
6896 \newcommand*\@@bidi@PreventPackageFromLoading}{ }
6897
6898 \def@@bidi@PreventPackageFromLoading#1[#2]#3{%
6899 \edef\reserved@b{\zap@space#3 \@empty}%
6900 \ifx \reserved@b\@empty
6901 #1{biditools}{%
6902 \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
6903 argument ignored%
6904 }%
6905 \else
6906 \ifx\bidi@excludedpackages\@empty
6907 \let\bidi@s@saved@RequirePackage\RequirePackage
6908 \let\RequirePackage\bidi@RequirePackage
6909 \def\reserved@a##1##{#%
6910 \@latex@error
6911 {\noexpand \usepackage before \string\documentclass}%
6912 {\noexpand \usepackage may only appear in the document
6913 preamble, i. e.,\MessageBreak
6914 between \noexpand\documentclass and
6915 \string\begin{document}.}%
6916 \@gobble}%
6917 \ifx\reserved@a\usepackage\else
6918 \ifx\usepackage\bidi@s@saved@RequirePackage\else
6919 \PackageWarning{biditools}{%
6920 Maybe serious problem: unexpected definition of\MessageBreak

```




```

6921         \string\usepackage
6922     }%
6923 \fi
6924 \let\usepackage\RequirePackage
6925 \fi
6926 \fi
6927 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
6928 \reserved@b\do {%
6929     \ifx\reserved@a\@empty
6930         #1{biditools}{%
6931             empty package argument for
6932             \string\bid@PreventPackageFromLoading\MessageBreak
6933             ignored%
6934         }%
6935     \else
6936         \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
6937             #1{biditools}{%
6938                 package '\reserved@a' already loaded.\MessageBreak
6939                 Cannot prevent it from being loaded%
6940             }%
6941         }{%
6942             \edef\bid@excludedpackages{\bid@excludedpackages,%
6943                 \reserved@a}%
6944             \if\relax\detokenize{#2}\relax\else
6945                 \@ifundefined{bid@exclude@package@\reserved@a @do}{%
6946                     \@namedef{bid@exclude@package@\reserved@a @do}{%
6947                         }{%
6948                             \expandafter\def
6949                             \csname bid@exclude@package@\reserved@a
6950                                 @do\expandafter\expandafter\expandafter\endcsname
6951                             \expandafter\expandafter\expandafter{%
6952                                 \csname bid@exclude@package@\reserved@a @do\endcsname
6953                                 #2%
6954                             }%
6955                         \fi
6956                     }%
6957                 \fi
6958             }%
6959             \ifx\bid@excludedpackages\@empty
6960                 \bid@ResetPreventPackageFromLoading
6961             \fi
6962         \fi
6963 }
6964
6965 \@onlypreamble\bid@PreventPackageFromLoading
6966 \newcommand*{\bid@ResetPreventPackageFromLoading}{%
6967     \let\bid@excludedpackages\@empty
6968     \ifx\RequirePackage\bid@RequirePackage
6969         \ifx\usepackage\RequirePackage
6970             \let\usepackage\bid@saved@RequirePackage
6971         \fi
6972     \let\RequirePackage\bid@saved@RequirePackage
6973 \fi
6974 }

```



```

6975 \@onlypreamble\@bidi@ResetPreventPackageFromLoading
6976 \newcommand*{\@bidi@StorePreventPackageFromLoading}[1]{%
6977   \let#1\@bidi@excludedpackages
6978 }
6979 \@onlypreamble\@bidi@StorePreventPackageFromLoading
6980 \newcommand*{\@bidi@UnPreventPackageFromLoading}{%
6981   \@ifstar {\@tempswatrue\@bidi@UnPreventPackageFromLoading}%
6982             {\@tempswafalse\@bidi@UnPreventPackageFromLoading}%
6983 }
6984
6985 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
6986   \edef\reserved@b{\zap@space#1 \@empty}%
6987   \if@tempswa
6988     \@for\reserved@a:=\reserved@b\do {%
6989       \ifx\reserved@a\@empty \else
6990         \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
6991           \expandafter\let
6992           \csname bidi@exclude@package@\reserved@a @do\endcsname
6993           \undefined
6994         \fi
6995       \fi
6996     }%
6997   \fi
6998   \ifcsname bidi@excludedpackages\endcsname
6999     \let\reserved@a\@bidi@excludedpackages
7000     \let\@bidi@excludedpackages\@empty
7001     \expandafter\@for\expandafter\reserved@c
7002     \expandafter:\expandafter=\reserved@a
7003     \do{%
7004       \ifx\reserved@c\@empty\else
7005         \@expandtwoargs\in@{,\reserved@c,}{,\reserved@b,}%
7006         \ifin@
7007         \else
7008           \edef\@bidi@excludedpackages{%
7009             \bidi@excludedpackages,\reserved@c
7010           }%
7011         \fi
7012       \fi
7013     }%
7014     \ifx\@bidi@excludedpackages\@empty\@bidi@ResetPreventPackageFromLoading\fi
7015   \fi
7016 }
7017
7018
7019 \newcommand*{\@bidi@RequirePackage}[2][ ]{%
7020   \let\reserved@c\@empty
7021   \let\reserved@d\@empty
7022   \edef\reserved@b{\zap@space#2 \@empty}%
7023   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
7024   \do {%
7025     \begingroup
7026     \@tempswatrue
7027     \@for\reserved@a:=\@bidi@excludedpackages\do {%
7028       \ifx\reserved@a\reserved@b

```



```

7029         \@tempswafalse
7030         \fi
7031     }%
7032     \if@tempswa
7033         \xdef\reserved@c{\reserved@c,\reserved@b}%
7034     \else
7035         \ifx\reserved@b\@empty\else
7036             \PackageInfo{biditools}{Excluding package `\'reserved@b'\MessageBreak
7037                 from loading}%
7038             \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
7039                 }{%
7040                     \expandafter\g@addto@macro\expandafter\reserved@d
7041                     \csname bidi@exclude@package@\reserved@b @do\endcsname
7042                 }%
7043         \fi
7044     \fi
7045 \endgroup
7046 }%
7047 \ifx\reserved@c\@empty
7048     \let\reserved@a\bidi@gobbleopt
7049 \else
7050     \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
7051         \expandafter\@gobble\reserved@c\@empty}}%
7052     \fi
7053     \expandafter\reserved@d
7054     \reserved@a
7055 }
7056
7057 \newcommand{\bidi@gobbleopt}[1] [] {}
7058 \AtEndDocument{%
7059     \let\bidi@saved@checkend=\@checkend
7060     \renewcommand*{\@checkend}[1]{%
7061         \def\reserved@a{#1}\def\reserved@b{document}%
7062         \bidi@saved@checkend{#1}%
7063         \ifx\reserved@a\reserved@b
7064             \let\bidi@saved@clearpage=\clearpage
7065             \renewcommand*{\clearpage}{\bidi@saved@clearpage
7066                 \bidi@hook@bcma
7067                 \bidi@restore@newpage
7068                 \let\clearpage=\bidi@saved@clearpage}%
7069         \fi%
7070         \let\bidi@saved@dofilelist\@dofilelist
7071         \def\@dofilelist{%
7072             \bidi@hook@acma
7073             \let\@dofilelist\bidi@saved@dofilelist
7074             \bidi@saved@dofilelist
7075         }%
7076     }%
7077 }
7078
7079
7080 \newcommand*{\bidi@saved@checkend}{}
7081 \newcommand*{\bidi@saved@dofilelist}{}
7082 \newcommand*{\bidi@redefine@newpage}{%

```



```

7083 \let\bidisaved@newpage\newpage
7084 \def\bidirestore@newpage{%
7085   \renewcommand*{\newpage}{%
7086     \PackageWarningNoLine{%
7087       biditools%
7088     }{%
7089       \string\newpage\space at main aux file!\MessageBreak
7090       You have output material at the main aux file.\MessageBreak
7091       Note, that the \string\bidibeforeclosingmainaux\space commands\MessageBreak
7092       are processed before the output from aux file%
7093     }%
7094     \let\newpage\bidisaved@newpage
7095     \newpage
7096   }%
7097 }%
7098 \renewcommand*{\newpage}{%
7099   \PackageError{%
7100     biditools%
7101   }{%
7102     \string\newpage\space at \string\bidibeforeclosingmainaux
7103   }{%
7104     You should never use \string\newpage\space or
7105     \string\clear(double)page or other output material at the\MessageBreak
7106     argument of \string\bidibeforeclosingmainaux!\MessageBreak
7107     If you'll continue, the \string\newpage\space will be ignored to
7108     avoid corruption of\MessageBreak
7109     every prior use of \string\bidibeforeclosingmainaux.
7110   }%
7111 }%
7112 }
7113
7114 \newcommand*\bidirestore@newpage}{
7115 \newcommand*\bidihook@bcma}{
7116 \newcommand*\bidihook@acma}{
7117 \newcommand*\bidibeforeclosingmainaux}{%
7118   \ifx\bidihook@bcma\@empty
7119     \gdef\bidihook@bcma{%
7120       \renewcommand*\bidibeforeclosingmainaux}[1]{###1}%
7121       \let\protected@write\bidiprotected@immediate@write
7122       \bidiredefine@newpage
7123     }%
7124   \fi
7125   \g@addto@macro\bidihook@bcma%
7126 }
7127
7128 \newcommand*\bidiafterreadingmainaux}{%
7129   \ifx\bidihook@acma\@empty
7130     \gdef\bidihook@acma{%
7131       \renewcommand*\bidiafterreadingmainaux}[1]{###1}%
7132       \let\protected@write\bidiprotected@immediate@write
7133     }%
7134   \fi
7135   \g@addto@macro\bidihook@acma%
7136 }

```



```

7137
7138 \long\def\ bidi@protected@immediate@write#1#2#3{%
7139   \begingroup
7140     #2%
7141     \let\protect\unexpandable@protect
7142     \edef\reserved@a{\immediate\write#1{#3}}%
7143     \reserved@a
7144   \endgroup
7145   \if@nobreak\ifvmode\nobreak\fi\fi
7146 }
7147
7148 \def\ bidi@patch@counter{0}%
7149 \if@bidi@csundef{numexpr}{%
7150   \def\ bidi@patch@stepcounter{%
7151     \begingroup
7152       \count@\ bidi@patch@counter\relax
7153       \advance\count@\@ne\relax
7154     \edef\x{\endgroup
7155       \noexpand\def\noexpand\ bidi@patch@counter{\the\count@}%
7156     }%
7157     \x
7158   }%
7159 }{%
7160   \def\ bidi@patch@stepcounter{%
7161     \edef\ bidi@patch@counter{%
7162       \the\numexpr\ bidi@patch@counter+\@ne\relax
7163     }%
7164   }%
7165 }
7166 \def\ bidi@patch@list{}
7167 \def\ bidi@patch@Add{%
7168   \ bidi@appto\ bidi@patch@list
7169 }
7170 \def\ bidi@patch@AfterPackage#1{%
7171   \@ifpackageloaded{#1}{%
7172     \@firstofone
7173   }{%
7174     \@ bidi@patch@AfterPackage{#1}%
7175   }%
7176 }
7177 \def\@ bidi@patch@AfterPackage#1{%
7178   \edef\ bidi@patch@temp{#1}%
7179   \ bidi@patch@stepcounter
7180   \expandafter\ bidi@patch@@AfterPackage
7181   \csname @ bidi@patch@\ bidi@patch@counter\expandafter\endcsname{%
7182     \ bidi@patch@temp
7183   }%
7184 }
7185 \def\ bidi@patch@@AfterPackage#1#2#3{%
7186   \begingroup
7187     \toks@{#3}%
7188     \xdef\ bidi@patch@gtemp{%
7189       \noexpand\@ifpackageloaded{#2}{%
7190         \noexpand\let\noexpand#1\noexpand\relax

```



```

7191     \the\toks@
7192   }{}%
7193   }%
7194 \endgroup
7195 \let#1\bidipatch@gtemp
7196 \bidipatch@Add#1%
7197 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
7198 }
7199
7200 \def\bidipatch@try#1#2#3{%
7201   \if@bidicsundef{#1}{-}{%
7202     \csname #1\endcsname{#2}{#3}%
7203   }%
7204 }
7205
7206 \AtBeginDocument{\bidipatch@list}
7207
7208 \bidipatch@AtEndPreamble{\bidipatch@list}%
7209
7210 \bidipatch@AfterEndPreamble{%
7211   \let\bidipatch@OrgIfPackageLoaded@ifpackageLoaded
7212   \let\bidipatch@OrgIfPackageLater@ifpackageLater
7213   \let\bidipatch@OrgIfClassLoaded@ifclassLoaded
7214   \let\bidipatch@OrgIfClassLater@ifclassLater
7215   \bidipatch@list
7216   \let@ifpackageLoaded\bidipatch@OrgIfPackageLoaded
7217   \let@ifpackageLater\bidipatch@OrgIfPackageLater
7218   \let@ifclassLoaded\bidipatch@OrgIfClassLoaded
7219   \let@ifclassLater\bidipatch@OrgIfClassLater
7220 }%

```

53 File `bidituftefloat.sty`

```

7221 \NeedsTeXFormat{LaTeX2e}
7222 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2]
7223 bidi implementation of tufte float
7224 \RequirePackage{xifthen}
7225 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
7226 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
7227 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{@bidituftefloat@debug}}{\bi
7228 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
7229 \newboolean{@bidituftefloat@reversegeometry}
7230 \setboolean{@bidituftefloat@reversegeometry}{false}
7231 \DeclareOption{reversegeometry}{\setboolean{@bidituftefloat@reversegeometry}{true}}
7232 \newboolean{@bidituftefloat@a4paper}
7233 \DeclareOption{a4paper}{\setboolean{@bidituftefloat@a4paper}{true}}
7234 \newboolean{@bidituftefloat@b5paper}
7235 \DeclareOption{b5paper}{\setboolean{@bidituftefloat@b5paper}{true}}
7236 \newboolean{@bidituftefloat@symmetric}
7237 \newboolean{@bidituftefloat@twoside}
7238 \DeclareOption{twoside}{%
7239 \@twosidetrue \mparswitchtrue%
7240 \setboolean{@bidituftefloat@twoside}{true}%
7241 \setboolean{@bidituftefloat@symmetric}{true}%

```



```

7242 }
7243 \DeclareOption{oneside}{%
7244 \@twosidefalse \mparswitchfalse%
7245 \setboolean{@biditytfloat@twoside}{false}%
7246 \setboolean{@biditytfloat@symmetric}{false}%
7247 }
7248 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
7249 \newboolean{@biditytfloat@debug}
7250 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodet
7251 \ProcessOptions
7252 %% Globally sets the length
7253 \newcommand*\gsetlength}[2]{%
7254 \setlength{#1}{#2}%
7255 \global#1=#1\relax%
7256 }
7257
7258 %% Set the font sizes and baselines to match biditytfloat's books
7259 \renewcommand\normalsize{%
7260 \setfontsize\normalsize\@xpt{14}%
7261 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
7262 \abovedisplayshortskip \z@ \@plus3\p@
7263 \belowdisplayskip 6\p@ \@plus3\p@ \@minus3\p@
7264 \belowdisplayskip \abovedisplayskip
7265 \let\@listi\@listI}
7266 \normalbaselineskip=14pt
7267 \normalsize
7268 \renewcommand\footnotesize{%
7269 \setfontsize\footnotesize\@viiipt{10}%
7270 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
7271 \abovedisplayshortskip \z@ \@plus\p@
7272 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
7273 \def\@listi{\leftmargin\leftmargini
7274 \topsep 3\p@ \@plus\p@ \@minus\p@
7275 \parsep 2\p@ \@plus\p@ \@minus\p@
7276 \itemsep \parsep}%
7277 \belowdisplayskip \abovedisplayskip
7278 }
7279 %% Paragraph indentation and separation for marginal text
7280 \newcommand{\@biditytfloat@margin@par}{%
7281 \setlength{\RaggedRightParindent}{0.5pc}%
7282 \setlength{\JustifyingParindent}{0.5pc}%
7283 \setlength{\parindent}{0.5pc}%
7284 \setlength{\parskip}{0pt}%
7285 }
7286 \RequirePackage{ragged2e}
7287 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
7288 \RequirePackage[letterpaper, right=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginp
7289 \ifthenelse{\boolean{@biditytfloat@a4paper}}{
7290 {\geometry{a4paper, right=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginp
7291 {}
7292 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}{
7293 {\geometry{paperwidth=176mm, paperheight=250mm, right=14.66mm, top=13.88mm, textwidth=102.66m
7294 {}}}{%
7295 \RequirePackage[letterpaper, left=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginpa

```



```

7296 \ifthenelse{\boolean{@biditytfloat@afourpaper}}
7297   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpa
7298   {}
7299 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7300   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm
7301   {}}
7302 \ifthenelse{\boolean{@biditytfloat@symmetric}}
7303   {}
7304   {\geometry{asymmetric}}% forces internal LaTeX `twoside'
7305 \setlength\marginparpush{10pt}
7306 %% Font for margin items
7307 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
7308 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
7309 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
7310 \newcommand{\@biditytfloat@justification}{\justifying}%
7311 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
7312 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
7313 \newboolean{@biditytfloat@changepage}
7314 \IfFileExists{changepage.sty}{%
7315   \biditytfloatDebugInfoNL{Found changepage.sty}
7316   \RequirePackage[strict]{changepage}
7317   \setboolean{@biditytfloat@changepage}{true}
7318 }{%
7319   \biditytfloatDebugInfoNL{Found chngpage.sty}
7320   \RequirePackage[strict]{chngpage}
7321   \setboolean{@biditytfloat@changepage}{false}
7322 }
7323 \newboolean{@biditytfloat@odd@page}
7324 \setboolean{@biditytfloat@odd@page}{true}
7325 \newcommand*{\@biditytfloat@checkoddpage}{%
7326   \checkoddpage%
7327   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
7328     \ifoddpage%
7329       \setboolean{@biditytfloat@odd@page}{true}%
7330     \else%
7331       \setboolean{@biditytfloat@odd@page}{false}%
7332     \fi%
7333   }{%
7334     \ifcpoddpage%
7335       \setboolean{@biditytfloat@odd@page}{true}%
7336     \else%
7337       \setboolean{@biditytfloat@odd@page}{false}%
7338     \fi%
7339   }%
7340 }
7341 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running he
7342 \newlength{\@biditytfloat@fullwidth}
7343 \newlength{\@biditytfloat@caption@fill}
7344 \newcommand{\biditytfloatRecalculate}{%
7345   \setlength{\@biditytfloat@overhang}{\marginparwidth}
7346   \addtolength{\@biditytfloat@overhang}{\marginparsep}
7347
7348   \setlength{\@biditytfloat@fullwidth}{\textwidth}
7349   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}

```




```

7350 \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
7351
7352 \setlength{\@biditytfloat@caption@fill}{\textwidth}
7353 \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
7354 }
7355 \AtBeginDocument{\biditytfloatRecalculate}
7356 \RequirePackage{optparams}% provides multiple optional arguments for commands
7357 \RequirePackage{placeins}
7358 \newsavebox{\@biditytfloat@margin@floatbox}
7359 \newenvironment{@biditytfloat@margin@float}[2][[-1.2ex]%
7360 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in
7361 \begin{lrbox}{\@biditytfloat@margin@floatbox}}%
7362 \begin{minipage}{\marginparwidth}%
7363 \@biditytfloat@caption@font%
7364 \def\@capttype{#2}%
7365 \hbox{\vspace*{#1}%
7366 \@biditytfloat@caption@justification%
7367 \@biditytfloat@margin@par%
7368 \noindent%
7369 }
7370 {\end{minipage}%
7371 \end{lrbox}}%
7372 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
7373 }
7374 \newenvironment{marginfigure}[1][[-1.2ex]%
7375 {\begin{@biditytfloat@margin@float}[#1]{figure}}
7376 {\end{@biditytfloat@margin@float}}
7377 \newenvironment{margintable}[1][[-1.2ex]%
7378 {\begin{@biditytfloat@margin@float}[#1]{table}}
7379 {\end{@biditytfloat@margin@float}}
7380 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
7381
7382 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float
7383 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
7384 \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}%
7385 {\def\@biditytfloat@float@debug@info{#1}}%
7386 {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
7387 }
7388 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
7389 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@deb
7390 \newboolean{@biditytfloat@float@recto}
7391 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@bidityt
7392 \newcommand{\forceversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@bidityt
7393 \newsavebox{\@biditytfloat@figure@box}
7394 \newsavebox{\@biditytfloat@caption@box}
7395 \let\@biditytfloat@orig@float\float
7396 \let\@biditytfloat@orig@endfloat\endfloat
7397 \newlength{\@biditytfloat@caption@vertical@offset}
7398 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
7399 \newcommand{\@biditytfloat@stored@shortcaption}{ }
7400 \newcommand{\@biditytfloat@stored@caption}{ }
7401 \newcommand{\@biditytfloat@stored@label}{ }
7402 \long\def\@biditytfloat@caption[#1][#2]#3{%
7403 \ifthenelse{isempty{#1}}%

```



```

7404     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
7405     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
7406     \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to
7407     \gdef\@biditytfloat@stored@caption{#3}%
7408 }
7409 \newcommand{\@biditytfloat@label}[1]{%
7410     \gdef\@biditytfloat@stored@label{#1}}%
7411 }
7412 \newcommand{\@biditytfloat@fps}{}
7413 \newboolean{\@biditytfloat@float@star}
7414 \newlength{\@biditytfloat@float@contents@width}
7415 \newenvironment{\@biditytfloat@float}[3][htbp]%
7416     {% begin \@biditytfloat@float
7417     % Should this float be full-width or just text-width?
7418     \ifthenelse{\equal{#3}{star}}%
7419         {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
7420         {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
7421     % Check page side (recto/verso) and store detected value -- can be overridden in environ
7422     \@biditytfloat@checkoddpages%
7423     \ifthenelse{\boolean{\@biditytfloat@odd@page}}%
7424         {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Det
7425         {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{De
7426     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-page
7427     \renewcommand{\@biditytfloat@fps}{#1}%
7428     \@biditytfloat@float@debug{Allowed positions: [#1]}%
7429     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
7430         {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bo
7431         {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [to
7432     % Capture the contents of the \caption and \label commands to use later
7433     \global\let\@biditytfloat@orig@caption\caption%
7434     \global\let\@biditytfloat@orig@label\label%
7435     \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[] [Opt]}}%
7436     \renewcommand{\label}[1]{\@biditytfloat@label{#1}}%
7437     % Handle subfigure package compatibility
7438     \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
7439         \bidi@patchcmd{\subfigure}{%
7440             \let\subfig@oldlabel=\label
7441             }{%
7442             \let\subfig@oldlabel=\@biditytfloat@orig@label
7443             }
7444         {}
7445         {}
7446         \let\subtable=\subfigure
7447     }% subfigure package is not loaded
7448     \@biditytfloat@orig@float{#2}[#1}%
7449     \ifthenelse{\boolean{\@biditytfloat@float@star}}%
7450         {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
7451         {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
7452     \begin{lrbox}{\@biditytfloat@figure@box}%
7453         \begin{minipage}{\floatalignment}{\@biditytfloat@float@contents@width}\hbox{}%
7454     }% end \@biditytfloat@float
7455     \par\hbox{} \vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}%
7456     \end{minipage}%
7457     \end{lrbox}%

```



```

7458 % build the caption box
7459 \begin{lrbox}{\@biditytfloat@caption@box}%
7460   \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
7461     \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@ca
7462     \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@labe
7463     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
7464   \end{minipage}%
7465 \end{lrbox}%
7466 % now typeset the stored boxes
7467 \begin{fullwidth}%
7468   \begin{minipage}[\floatalignment]{\linewidth}%
7469     \ifthenelse{\boolean{@biditytfloat@float@star}}%
7470       {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bid
7471       {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bid
7472     \end{minipage}%
7473 \end{fullwidth}%
7474 \@biditytfloat@orig@endfloat% end original LaTeX float environment
7475 % output debug info
7476 \ifthenelse{\boolean{@biditytfloat@debug}}{%
7477   \typeout{^^J^^J----- biditytfloat package float information -----}%
7478   \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
7479     {\typeout{Warning: Float unlabeled!}}%
7480     {\typeout{Float label: [\@biditytfloat@stored@label]}}%
7481   \typeout{Page number: [\thepage]}%
7482   \def\MessageBreak{^^J}%
7483   \typeout{\@biditytfloat@float@debug@info}%
7484   \ifthenelse{\boolean{@biditytfloat@symmetric}}%
7485     {\typeout{Symmetric: [true]}}%
7486     {\typeout{Symmetric: [false]}}%
7487   \typeout{-----^^J^^J}%
7488 }}%
7489 % reset commands and temp boxes and captions
7490 \gdef\@biditytfloat@float@debug@info{}%
7491 \let\caption\@biditytfloat@orig@caption%
7492 \let\label\@biditytfloat@orig@label%
7493 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
7494 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
7495 \gdef\@biditytfloat@stored@shortcaption{}%
7496 \gdef\@biditytfloat@stored@caption{}%
7497 \gdef\@biditytfloat@stored@label{}%
7498 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
7499 }
7500 \newcommand{\@biditytfloat@float@textwidth}[3][0pt]{%
7501   \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@rect
7502     % asymmetric or page is odd, so caption is on the right
7503     \hbox{%
7504       \usebox{#2}%
7505       \hspace{\marginparsep}%
7506       \smash{\raisebox{#1}{\usebox{#3}}}%
7507     }
7508     \@biditytfloat@float@debug{Caption position: [right]}%
7509   }{% symmetric pages and page is even, so caption is on the left
7510     \hbox{%
7511       \smash{\raisebox{#1}{\usebox{#3}}}%

```



```

7512     \hspace{\marginparsep}%
7513     \usebox{#2}%
7514   }
7515   \@bituftefloat@float@debug{Caption position: [left]}%
7516 }%
7517 }
7518 \newcommand{\@bituftefloat@float@fullwidth}[3][Opt]{%
7519   \ifthenelse{\equal{\floatalignment}{b}}{%
7520     {% place caption above figure
7521       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}\OR\boolean{@bituftefloat@float@
7522         {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bituftefloat@float@debu
7523         {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bituftefloat@float@debu
7524       }{% place caption below figure
7525         \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}\OR\boolean{@bituftefloat@float@
7526         {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bituftefloat@float@debu
7527         {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bituftefloat@float@debu
7528       }%
7529   }
7530 \renewenvironment{figure}[1][htbp]%
7531   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{}}
7532   {\end{@bituftefloat@float}}
7533 \renewenvironment{table}[1][htbp]
7534   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{}}
7535   {\end{@bituftefloat@float}}
7536 \renewenvironment{figure*}[1][htbp]%
7537   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{star}}
7538   {\end{@bituftefloat@float}}
7539 \renewenvironment{table*}[1][htbp]%
7540   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{star}}
7541   {\end{@bituftefloat@float}}
7542 \newenvironment{fullwidth}
7543   {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
7544     {\ifthenelse{\boolean{@bituftefloat@changepage}}{\begin{adjustwidth*}{-}\@bitufteflo
7545     {\begin{adjustwidth}{-}\@bituftefloat@overhang}}%
7546   }%
7547   {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
7548     {\ifthenelse{\boolean{@bituftefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth
7549     {\end{adjustwidth}}}%
7550   }
7551 \long\def\@caption#1[#2]#3{%
7552   \par%
7553   \addcontentsline{\csname ext@#1\endcsname}{#1}%
7554     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
7555   \begingroup%
7556     \@parboxrestore%
7557     \if@minipage%
7558       \setminipage%
7559     \fi%
7560     \@bituftefloat@caption@font\@bituftefloat@caption@justification%
7561     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
7562     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
7563   \endgroup}
7564 %%
7565 % Turns newlines into spaces. Based on code from the `titlesec' package.

```



```

7566 \DeclareRobustCommand{\@bidityfteheading@newlinetospace}{%
7567   \@ifstar{\@bidityfteheading@newlinetospace@i}{\@bidityfteheading@newlinetospace@i}%
7568 }
7569 \def\@bidityfteheading@newlinetospace@i{%
7570   \ifdim\lastskip>\z@\else\space\fi
7571   \ignorespaces%
7572 }
7573 \DeclareRobustCommand{\newlinetospace}[1]{%
7574   \let\@bidityfteheading@orig@cr\% save the original meaning of \
7575   \def\{\@bidityfteheading@newlinetospace}% turn \ and \* into \space
7576   \let\newline\% turn \newline into \space
7577   #1%
7578   \let\\\@bidityfteheading@orig@cr% revert to original meaning of \
7579 }
7580 \RequirePackage{fancyhdr}
7581 \pagestyle{fancy}
7582 \AtBeginDocument{%
7583   \ifthenelse{\boolean{@bidityftefloat@symmetric}}
7584     {\fancyhfoffset [LE,RO]{\@bidityftefloat@overhang}}
7585     {\fancyhfoffset [RE,RO]{\@bidityftefloat@overhang}}
7586 }
7587 % The running heads/feet don't have rules
7588 \renewcommand{\headrulewidth}{0pt}
7589 \renewcommand{\footrulewidth}{0pt}
7590 % The 'fancy' page style is the default style for all pages.
7591 \fancyhf{} % clear header and footer fields
7592   \ifthenelse{\boolean{@bidityftefloat@symmetric}}
7593     {\fancyhead [LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
7594     \fancyhead [RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}%
7595     {\fancyhead [RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7596 % The `plain' page style is used on chapter opening pages.
7597 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
7598 % bottom of pages -- the folios are unexpressed.
7599 \fancypagestyle{plain}{
7600   \fancyhf{} % clear header and footer fields
7601   % Uncomment the following five lines of code if you want the opening page
7602   % of the chapter to express the folio in the lower outside corner.
7603   % \ifthenelse{\boolean{@bidityftefloat@symmetric}}
7604   %   {\fancyfoot [LE,RO]{\thepage}}
7605   %   {\fancyfoot [RE,RO]{\thepage}}
7606 }
7607 % The `empty' page style suppresses all headers and footers.
7608 % It's used on title pages and `intentionally blank' pages.
7609 \fancypagestyle{empty}{
7610   \fancyhf{} % clear header and footer fields
7611 }
7612 \def\morefloats{% provides a total of 52 floats
7613   \ifthenelse{\isundefined{\bx@S}}{%
7614     \bidityftefloatDebugInfoNL{Adding 34 more float slots.}
7615     \newinsert\bx@S
7616     \newinsert\bx@T
7617     \newinsert\bx@U
7618     \newinsert\bx@V
7619     \newinsert\bx@W

```



```

7620 \newinsert\bx@X
7621 \newinsert\bx@Y
7622 \newinsert\bx@Z
7623 \newinsert\bx@a
7624 \newinsert\bx@b
7625 \newinsert\bx@c
7626 \newinsert\bx@d
7627 \newinsert\bx@e
7628 \newinsert\bx@f
7629 \newinsert\bx@g
7630 \newinsert\bx@h
7631 \newinsert\bx@i
7632 \newinsert\bx@j
7633 \newinsert\bx@k
7634 \newinsert\bx@l
7635 \newinsert\bx@m
7636 \newinsert\bx@n
7637 \newinsert\bx@o
7638 \newinsert\bx@p
7639 \newinsert\bx@q
7640 \newinsert\bx@r
7641 \newinsert\bx@s
7642 \newinsert\bx@t
7643 \newinsert\bx@u
7644 \newinsert\bx@v
7645 \newinsert\bx@w
7646 \newinsert\bx@x
7647 \newinsert\bx@y
7648 \newinsert\bx@z
7649 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7650 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7651 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7652 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7653 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7654 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7655 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7656 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7657 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7658 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7659 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7660 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
7661 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
7662 \ifthenelse{\isundefined{\bx@AA}}{%
7663 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
7664 \newinsert\bx@AA
7665 \newinsert\bx@BB
7666 \newinsert\bx@CC
7667 \newinsert\bx@DD
7668 \newinsert\bx@EE
7669 \newinsert\bx@FF
7670 \newinsert\bx@GG
7671 \newinsert\bx@HH
7672 \newinsert\bx@II
7673 \newinsert\bx@JJ

```



```

7674 \newinsert\bx@KK
7675 \newinsert\bx@LL
7676 \newinsert\bx@MM
7677 \newinsert\bx@NN
7678 \newinsert\bx@OO
7679 \newinsert\bx@PP
7680 \newinsert\bx@QQ
7681 \newinsert\bx@RR
7682 \newinsert\bx@SS
7683 \newinsert\bx@TT
7684 \newinsert\bx@UU
7685 \newinsert\bx@VV
7686 \newinsert\bx@WW
7687 \newinsert\bx@XX
7688 \newinsert\bx@YY
7689 \newinsert\bx@ZZ
7690 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7691 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7692 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7693 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7694 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7695 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7696 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7697 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7698 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7699 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7700 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7701 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
7702 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
7703 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
7704 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
7705 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
7706 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
7707 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
7708 }{%
7709 \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
7710 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space o
7711 }%
7712 }%
7713 }
7714 \newboolean{@biditytfloat@packages@subfigure}
7715 \setboolean{@biditytfloat@packages@subfigure}{false}
7716 \AtBeginDocument{%
7717 \@ifpackageloaded{subfigure}
7718 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
7719 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
7720 }
7721 \AtBeginDocument{%
7722 \@ifpackageloaded{float}{%
7723 % Save the redefined float environment (instead of the LaTeX float environment)
7724 \let\@biditytfloat@orig@float\@float
7725 \let\@biditytfloat@orig@endfloat\end@float
7726
7727 % Define Tuftian float styles (with the caption in the margin)

```




```

7728 \newcommand{\floatc@biditytfloatplain}[2]{%
7729 \begin{lrbox}{\@biditytfloatcaption@box}%
7730 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
7731 \@biditytfloatcaption@font{\@fscfont #1:} #2\par%
7732 \end{minipage}%
7733 \end{lrbox}%
7734 \smash{\hspace{\@biditytfloatcaption@fill}}\usebox{\@biditytfloatcaption@box}}%
7735 }
7736 \newcommand{\fs@biditytfloatplain}{%
7737 \def\@fscfont{\@biditytfloatcaption@font}%
7738 \let\@fscapt\floatc@biditytfloatplain%
7739 \def\@fcpref{}%
7740 \def\@fcpost{}%
7741 \def\@fcmid{}%
7742 \let\@fsciftopcapt\iftrue%
7743 }
7744 \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
7745 \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
7746 \newcommand\floatc@biditytfloatruled[2]{%
7747 {\@fscfont #1} #2\par%
7748 }
7749 \newcommand\fs@biditytfloatruled{%
7750 \def\@fscfont{\@biditytfloatcaption@font}%
7751 \let\@fscapt\floatc@biditytfloatplain%
7752 \def\@fcpref{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
7753 \def\@fcpost{\kern2pt\hrule width\textwidth\relax}%
7754 \def\@fcmid{}%
7755 \let\@fsciftopcapt\iftrue%
7756 }
7757 \newcommand\fs@biditytfloatboxed{%
7758 \def\@fscfont{}%
7759 \let\@fscapt\floatc@biditytfloatplain%
7760 \def\@fcpref{%
7761 \setbox\@currbox\vbox{\hbadness10000
7762 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
7763 \hrule \hbox to\hsize{\vrule\kern3pt
7764 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
7765 }%
7766 \def\@fcmid{\kern2pt}%
7767 \def\@fcpost{}%
7768 \let\@fsciftopcapt\iftrue%
7769 }
7770 }{%
7771 % Nothing to do
7772 }
7773 }
7774 \AtBeginDocument{%
7775 \ifpackageloaded{algorithm}{%
7776 % Set the float style to the Tufteian version
7777 \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{bitytfloat}}{\@biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak}}{\floatstyle{bitytfloat\ALG@floatstyle}}%
7778 \floatstyle{bitytfloat\ALG@floatstyle}}%
7779 \restylefloat{algorithm}%
7780 }%
7781 }%

```




```

7782 }{%
7783 % Nothing to do
7784 }
7785 }
7786 \PassOptionsToPackage{caption=false}{subfig}

```

54 File `bidituftesidenote.sty`

```

7787 \NeedsTeXFormat{LaTeX2e}
7788 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
7789 bidi implementation of tufte sidenote]
7790 \RequirePackage{xifthen}
7791 \RequirePackage{ragged2e}
7792 \RequirePackage{setspace}
7793 \RequirePackage{biditools}
7794 \def\bidituftesidenotemarginpar{%
7795   \ifhmode
7796     \@bsphack
7797     \@floatpenalty -\@Mii
7798   \else
7799     \@floatpenalty-\@Miii
7800   \fi
7801   \ifinner
7802     \@parmoderr
7803     \@floatpenalty\z@
7804   \else
7805     \@next\@currbox\@freelist{}-{}%
7806     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7807     {\@floatpenalty\z@
7808       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7809   \fi
7810   \@ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
7811 \long\def\@bidituftesidenotexmpar[#1]#2{%
7812   \@bidituftesidenotesavemarbox\@marbox{#1}%
7813   \@bidituftesidenotesavemarbox\@currbox{#2}%
7814   \@xympar}
7815 \long\def\@bidituftesidenoteympar#1{%
7816   \@bidituftesidenotesavemarbox\@marbox{#1}%
7817   \global\setbox\@currbox\copy\@marbox
7818   \@xympar}
7819 \long\def \@bidituftesidenotesavemarbox #1#2{%
7820   \global\setbox #1%
7821     \color@vbox
7822     \vtop{%
7823       \hsize\marginparwidth
7824       \@parboxrestore
7825       \@bidituftesidenotemarginparreset
7826       #2%
7827       \@minipagefalse
7828       \outer@nobreak
7829     }%
7830   \color@endbox
7831 }
7832 \def \@bidituftesidenotemarginparreset {%

```



```

7833     \reset@font
7834     \normalsize
7835     \@minipagetrue
7836     \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
7837 }
7838 \def\LTRbidityftesidenotemarginpar{%
7839   \ifhmode
7840     \@bsphack
7841     \@floatpenalty -\@Mii
7842   \else
7843     \@floatpenalty-\@Miii
7844   \fi
7845   \ifinner
7846     \@parmoderr
7847     \@floatpenalty\z@
7848   \else
7849     \@next\@currbox\@freelist{}{}%
7850     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7851     {\@floatpenalty\z@
7852       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7853   \fi
7854   \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
7855 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
7856   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7857   \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
7858   \@xympar}
7859 \long\def\@LTRbidityftesidenoteympar#1{%
7860   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7861   \global\setbox\@currbox\copy\@marbox
7862   \@xympar}
7863 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
7864   \global\setbox #1%
7865     \color@vbox
7866     \vtop{%
7867       \hsize\marginparwidth
7868       \@parboxrestore
7869       \@LTRbidityftesidenotemarginparreset
7870       #2%
7871       \@minipagefalse
7872       \outer@nobreak
7873       }%
7874   \color@endbox
7875 }
7876 \def \@LTRbidityftesidenotemarginparreset {%
7877   \reset@font
7878   \normalsize
7879   \@minipagetrue
7880   \everypar{\@minipagefalse\everypar{}}\beginL}%
7881 }
7882 \def\RTLbidityftesidenotemarginpar{%
7883   \ifhmode
7884     \@bsphack
7885     \@floatpenalty -\@Mii
7886   \else

```



```

7887 \floatpenalty-\@Miii
7888 \fi
7889 \ifinner
7890 \@parmoderr
7891 \floatpenalty\z@
7892 \else
7893 \@next\@currbox\@freelist{}{}%
7894 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7895 {\floatpenalty\z@
7896 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7897 \fi
7898 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
7899 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
7900 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
7901 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
7902 \@xympar}
7903 \long\def\@RTLbidityftesidenoteympar#1{%
7904 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
7905 \global\setbox\@currbox\copy\@marbox
7906 \@xympar}
7907 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
7908 \global\setbox #1%
7909 \color@vbox
7910 \vtop{%
7911 \hsize\marginparwidth
7912 \@parboxrestore
7913 \@RTLbidityftesidenotemarginparreset
7914 #2%
7915 \@minipagefalse
7916 \outer@nobreak
7917 }%
7918 \color@endbox
7919 }
7920 \def \@RTLbidityftesidenotemarginparreset {%
7921 \reset@font
7922 \normalsize
7923 \@minipagetrue
7924 \everypar{\@minipagefalse\everypar{}\beginR}%
7925 }
7926 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
7927 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
7928 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
7929 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
7930 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
7931 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
7932 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
7933 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
7934 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
7935 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
7936 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
7937 \newcommand*{\@bidityftesidenote@RTLCitation@font}{\@bidityftesidenote@RTLmarginfont}
7938 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
7939 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
7940 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}

```



```

7941 \newcommand*\setmarginnote@font}[1]{\renewcommand*\@bidityftesidenote@marginnote@font}{#1}
7942 \newcommand*\setLTRmarginnote@font}[1]{\renewcommand*\@bidityftesidenote@LTRmarginnote@font}{#1}
7943 \newcommand*\setRTLmarginnote@font}[1]{\renewcommand*\@bidityftesidenote@RTLmarginnote@font}{#1}
7944 \newcommand*\setcitationfont}[1]{\renewcommand*\@bidityftesidenote@citation@font}{#1}
7945 \newcommand*\setLTRcitationfont}[1]{\renewcommand*\@bidityftesidenote@LTRcitation@font}{#1}
7946 \newcommand*\setRTLcitationfont}[1]{\renewcommand*\@bidityftesidenote@RTLcitation@font}{#1}
7947 \newcommand*\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@}
7948 \newcommand*\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@}
7949 \newcommand*\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@}
7950 \newcommand*\@bidityftesidenote@justification@autodetect}{\justifying}%
7951 \newcommand*\@bidityftesidenote@margin@par}{%
7952   \setlength{\RaggedRightParindent}{0.5pc}%
7953   \setlength{\JustifyingParindent}{0.5pc}%
7954   \setlength{\parindent}{0.5pc}%
7955   \setlength{\parskip}{0pt}%
7956 }
7957 %%
7958 % Globally sets the length
7959 \@ifundefined{gsetlength}{%
7960 \newcommand*{gsetlength}[2]{%
7961   \setlength{#1}{#2}%
7962   \global#1=#1\relax%
7963 }%
7964 }{}
7965
7966 %%
7967 % A function that removes leading and trailing spaces from the supplied macro.
7968 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
7969 % Executing \@bidityftesidenote@trim@spaces\xzyzy will result in the contents of \xzyzy
7970 % being trimmed of leading and trailing white space.
7971 \catcode`\Q=3
7972 \def\@bidityftesidenote@trim@spaces#1{%
7973   % Use grouping to emulate a multi-token afterassignment queue
7974   \begingroup%
7975   % Put \toks 0 {' into the afterassignment queue
7976   \aftergroup\toks\aftergroup0\aftergroup{%
7977   % Apply \trimb to the replacement text of #1, adding a leading
7978   % \noexpand to prevent brace stripping and to serve another purpose
7979   % later.
7980   \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1 Q Q}%
7981   % Transfer the trimmed text back into #1.
7982   \edef#1{\the\toks0}%
7983 }
7984 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
7985 % clean up any leftover bizarre Qs, and trim a leading space. In
7986 % order for \trimc to work properly we need to put back a Q first.
7987 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
7988 % Execute \vfuzz assignment to remove leading space; the \noexpand
7989 % will now prevent unwanted expansion of a macro or other expandable
7990 % token at the beginning of the trimmed text. The \endgroup will feed
7991 % in the \aftergroup tokens after the \vfuzz assignment is completed.
7992 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
7993 \catcode`\Q=11
7994 %%

```



```

7995 % Citations should go in the margin as sidenotes
7996
7997 \RequirePackage{natbib}
7998 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography en
7999 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
8000 \renewcommand\BR@b@bibitem[2] [] {%
8001   \ifthenelse{\isempty{#1}}{%
8002     {\BR@bibitem{#2}}%
8003     {\BR@bibitem{#1}{#2}}%
8004   \BR@c@bibitem{#2}}%
8005 }
8006 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
8007 %%
8008 % Normal \cite behavior
8009 \newcounter{@bidityftesidenote@num@bibkeys}%
8010 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt] {%
8011   % Snag the last bibentry in the list for later comparison
8012   \let\@temp@last@bibkey\@empty%
8013   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8014   \sidenote[] [#1] {%
8015     % Loop through all the bibentries, separating them with semicolons and spaces
8016     \normalsize\normalfont\@bidityftesidenote@citation@font%
8017     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8018     \@for\@temp@bibkeyx:=#2\do{%
8019       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8020         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8021           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8022           \bibentry{\@temp@bibkeyx}}%
8023         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8024           \bibentry{\@temp@bibkeyx};\ }%
8025       \stepcounter{@bidityftesidenote@num@bibkeys}%
8026     }%
8027   }%
8028 }
8029 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2] [Opt] {%
8030   % Snag the last bibentry in the list for later comparison
8031   \let\@temp@last@bibkey\@empty%
8032   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8033   \LTRsidenote[] [#1] {%
8034     % Loop through all the bibentries, separating them with semicolons and spaces
8035     \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
8036     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8037     \@for\@temp@bibkeyx:=#2\do{%
8038       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8039         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8040           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8041           \bibentry{\@temp@bibkeyx}}%
8042         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8043           \bibentry{\@temp@bibkeyx};\ }%
8044       \stepcounter{@bidityftesidenote@num@bibkeys}%
8045     }%
8046   }%
8047 }
8048 \newcommand{\@bidityfteRTLSidenote@normal@cite}[2] [Opt] {%

```



```

8049 % Snag the last bibentry in the list for later comparison
8050 \let\@temp@last@bibkey\@empty%
8051 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8052 \RTLsidenote[] [#1]{%
8053   % Loop through all the bibentries, separating them with semicolons and spaces
8054   \normalsize\normalfont\@bidityftesidenote@citation@font%
8055   \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8056   \@for\@temp@bibkeyx:=#2\do{%
8057     \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8058     {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8059     \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8060     \bibentry{\@temp@bibkeyx}}%
8061     {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8062     \bibentry{\@temp@bibkeyx};\ }%
8063     \stepcounter{@bidityftesidenote@num@bibkeys}%
8064   }%
8065 }%
8066 }
8067 %%
8068 % Macros for holding the list of cite keys until after the \sidenote
8069 \gdef\@bidityftesidenote@citations{}% list of cite keys
8070 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cit
8071 \ifx\@bidityftesidenote@citations\@empty\else
8072 \g@addto@macro\@bidityftesidenote@citations{,% separate by commas
8073 \fi
8074 \g@addto@macro\@bidityftesidenote@citations{#1}
8075 }
8076 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin n
8077 % Snag the last bibentry in the list for later comparison
8078 \let\@temp@last@bibkey\@empty%
8079 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}
8080 \marginpar{%
8081 \hbox{} \vspace*{#1}%
8082 \@bidityftesidenote@citation@font%
8083 \@bidityftesidenote@citation@justification%
8084 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8085 \vspace*{-1\baselineskip}%
8086 % Loop through all the bibentries, separating them with semicolons and spaces
8087 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8088 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
8089 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8090 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8091 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8092 \bibentry{\@temp@bibkeyx}}%
8093 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8094 \bibentry{\@temp@bibkeyx};\ }%
8095 \stepcounter{@bidityftesidenote@num@bibkeys}%
8096 }%
8097 }%
8098 }
8099 %%
8100 % \cite behavior when executed within a sidenote
8101 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
8102 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%

```



```

8103 \@bidityftesidenote@add@citation{#1}
8104 }
8105 %%
8106 % Set the default \cite style. This is set and reset by the \sidenote command.
8107 \let\cite\@bidityftesidenote@normal@cite
8108 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
8109 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
8110 %%
8111 % Transform existing \footnotes into \sidenotes
8112 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
8113 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arg
8114 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
8115 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
8116 % Override footmisc's definition to set the sidenote marks (numbers) inside the
8117 % sidenote's text block.
8118 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark#1{\@textsuperscript{\@bidityftesidenote@font\@bidityftesidenote@font}#1}}
8119 % Set the in-text footnote mark in the same typeface as the body text itself.
8120 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotemark}}}
8121 \providecommand*\multiplefootnotemarker{3sp}
8122 \providecommand*\multfootsep{,}
8123 \bidi@patch@AfterPackage{bidi}{\def\@footnotemark{\@bidityftesidenote@font\@bidityftesidenote@font}
8124 \renewcommand{\@footnotemark}{\@bidityftesidenote@font\@bidityftesidenote@font}
8125 \leavevmode%
8126 \ifhmode%
8127 \edef\@x@sf{\the\spacefactor}%
8128 \@bidityftesidenote@check@multiple@sidenotes%
8129 \nobreak%
8130 \fi%
8131 \@makefnmark%
8132 \ifhmode\spacefactor\@x@sf\fi%
8133 \relax%
8134 }%
8135 }
8136 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{\@bidityftesidenote@font\@bidityftesidenote@font}
8137 \ifdim\lastkern=\multiplefootnotemarker\relax%
8138 \edef\@x@sf{\the\spacefactor}%
8139 \unkern%
8140 \textsuperscript{\multfootsep}%
8141 \spacefactor\@x@sf\relax%
8142 \fi
8143 }
8144 \bidi@patch@AfterPackage{bidi}{\def\@footnotetext[2][Opt]{\@bidityftesidenote@font\@bidityftesidenote@font}
8145 \renewcommand\@footnotetext[2][Opt]{\@bidityftesidenote@font\@bidityftesidenote@font}
8146 \bidityftesidenotemarginpar{%
8147 \hbox{} \vspace*{#1}%
8148 \def\baselinestretch {\setspace@singlespace}%
8149 \reset@font%
8150 \bidi@@footnotetext@font% \reset@font\footnotesize%
8151 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8152 \vspace*{-1\baselineskip}\noindent%
8153 \protected@edef\@currentlabel{%
8154 \csname p@footnote\endcsname\@thefnmark%
8155 }%
8156 \color@begingroup%

```



```

8157     \@makefntext{%
8158         \ignorespaces#2%
8159     }%
8160 \color@endgroup%
8161 }%
8162 }%
8163 \renewcommand\LTRfootnotetext[2][Opt]{%
8164     \LTRbidityftesidenotemarginpar{%
8165         \hbox{} \vspace*{#1}%
8166         \def\baselinestretch {\setspace@singlespace}%
8167         \reset@font%
8168         \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
8169         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8170         \vspace*{-1\baselineskip}\noindent%
8171         \protected@edef\@currentlabel{%
8172             \csname p@footnote\endcsname\@thefnmark%
8173         }%
8174         \color@begingroup%
8175             \@makefntext{%
8176                 \ignorespaces#2%
8177             }%
8178         \color@endgroup%
8179     }%
8180 }%
8181 \renewcommand\RTLfootnotetext[2][Opt]{%
8182     \RTLbidityftesidenotemarginpar{%
8183         \hbox{} \vspace*{#1}%
8184         \def\baselinestretch {\setspace@singlespace}%
8185         \reset@font%
8186         \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
8187         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8188         \vspace*{-1\baselineskip}\noindent%
8189         \protected@edef\@currentlabel{%
8190             \csname p@footnote\endcsname\@thefnmark%
8191         }%
8192         \color@begingroup%
8193             \@makefntext{%
8194                 \ignorespaces#2%
8195             }%
8196         \color@endgroup%
8197     }%
8198 }%
8199 }
8200 %
8201 % Define \sidenote command. Can handle \cite.
8202 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
8203 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
8204 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
8205 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
8206     \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8207     \gdef\@bidityftesidenote@citations{}% clear out any old citations
8208     \ifthenelse{\NOT\isempty{#2}}{%
8209         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8210     }{%

```




```

8211 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{Opt}%
8212 }%
8213 \ifthenelse{\isempty{#1}}{%
8214 % no specific footnote number provided
8215 \stepcounter{\mpfn}%
8216 \protected@xdef\@thefnmark{\thempfn}%
8217 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8218 }{%
8219 % specific footnote number provided
8220 \begingroup%
8221 \csname c@\mpfn\endcsname #1\relax%
8222 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8223 \endgroup%
8224 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8225 }%
8226 \@bidityftesidenote@print@citations% print any citations
8227 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite com
8228 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LT
8229 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RT
8230 \unskip\ignorespaces% remove extra white space
8231 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
8232 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8233 }
8234 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
8235 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8236 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8237 \ifthenelse{\NOT\isempty{#2}}{%
8238 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8239 }{%
8240 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{Opt}%
8241 }%
8242 \ifthenelse{\isempty{#1}}{%
8243 % no specific footnote number provided
8244 \stepcounter{\mpfn}%
8245 \protected@xdef\@thefnmark{\thempfn}%
8246 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8247 }{%
8248 % specific footnote number provided
8249 \begingroup%
8250 \csname c@\mpfn\endcsname #1\relax%
8251 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8252 \endgroup%
8253 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8254 }%
8255 \@bidityftesidenote@print@citations% print any citations
8256 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite com
8257 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LT
8258 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RT
8259 \unskip\ignorespaces% remove extra white space
8260 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
8261 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8262 }
8263 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
8264 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command

```



```

8265 \gdef\@bidituftesidenote@citations{}%          clear out any old citations
8266 \ifthenelse{\NOT\isempty{#2}}{%
8267   \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
8268 }{%
8269   \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
8270 }%
8271 \ifthenelse{\isempty{#1}}{%
8272   % no specific footnote number provided
8273   \stepcounter\@mpfn%
8274   \protected@xdef\@thefnmark{\thempfn}%
8275   \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8276 }{%
8277   % specific footnote number provided
8278   \begingroup%
8279     \csname c@\@mpfn\endcsname #1\relax%
8280     \unrestored@protected@xdef\@thefnmark{\thempfn}%
8281   \endgroup%
8282   \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8283 }%
8284 \@bidituftesidenote@print@citations%          print any citations
8285 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite com
8286 \let\LTRcite\@bidituftesidenote@normal@cite%  go back to using normal in-text \LT
8287 \let\RTLcite\@bidituftesidenote@normal@cite%  go back to using normal in-text \RT
8288 \unskip\ignorespaces%          remove extra white space
8289 \kern-\multiplefootnotemarker%          remove \kern left behind by sidenote
8290 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8291 }
8292 \newcommand{\sidenote}{\optparams{\@bidituftesidenote@sidenote}{[ ] [Opt]}}
8293 \newcommand{\LTRsidenote}{\optparams{\@LTRbidituftesidenote@sidenote}{[ ] [Opt]}}
8294 \newcommand{\RTLSidenote}{\optparams{\@RTLbidituftesidenote@sidenote}{[ ] [Opt]}}
8295 \bidi@patch@AfterPackage{bidi}{%
8296 \renewcommand{\footnote}{\optparams{\@bidituftesidenote@sidenote}{[ ] [Opt]}}%
8297 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidituftesidenote@sidenote}{[ ] [Opt]}}%
8298 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidituftesidenote@sidenote}{[ ] [Opt]}}%
8299 }
8300 %%
8301 % Sidenote without the footnote mark
8302 \newcommand\marginnote[2] [Opt]{%
8303   \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
8304   \gdef\@bidituftesidenote@citations{}%      clear out any old citations
8305   \bidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@marginnote@font\@bidi
8306   \@bidituftesidenote@print@citations%      print any citations
8307   \let\cite\@bidituftesidenote@normal@cite%  go back to using normal in-text \cite com
8308   \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LT
8309   \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RT
8310 }
8311 \newcommand\LTRmarginnote[2] [Opt]{%
8312   \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
8313   \gdef\@bidituftesidenote@citations{}%      clear out any old citations
8314   \LTRbidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@LTRmarginnote@font\
8315   \@bidituftesidenote@print@citations%      print any citations
8316   \let\cite\@bidituftesidenote@normal@cite%  go back to using normal in-text \cite com
8317   \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LT
8318   \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RT

```



```

8319 }
8320 \newcommand\RTLmarginnote[2][Opt]{%
8321   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8322   \gdef\@bidityftesidenote@citations{}%          clear out any old citations
8323   \RTLbidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\
8324   \@bidityftesidenote@print@citations%           print any citations
8325   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite com
8326   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LT
8327   \let\RLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RT
8328 }

```

55 File bidityftetoc.sty

```

8329 \NeedsTeXFormat{LaTeX2e}
8330 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
8331 bidi implementation of tufte toc]
8332 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
8333 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
8334 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
8335 %%
8336 % Turn off section numbering
8337 \setcounter{secnumdepth}{-1}
8338 \newboolean{@bidityftetoc@toc}
8339 \setboolean{@bidityftetoc@toc}{true}
8340 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
8341 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
8342 \ProcessOptions
8343 %%
8344 % Make Tufte-style section headings and TOC formatting
8345 \bidi@patch@AfterPackage{bidi}{%
8346   \titleformat{\chapter}%
8347     [display]% shape
8348     {\relax\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format
8349     {\itshape\huge\thechapter}% label
8350     {0pt}% horizontal separation between label and title body
8351     {\huge\rmfamily\itshape}% before the title body
8352     {\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the titl
8353   \titleformat{\section}%
8354     [hang]% shape
8355     {\normalfont\Large\itshape}% format applied to label+text
8356     {\thesection}% label
8357     {1em}% horizontal separation between label and title body
8358     {}% before the title body
8359     []% after the title body
8360   \titleformat{\subsection}%
8361     [hang]% shape
8362     {\normalfont\large\itshape}% format applied to label+text
8363     {\thesubsection}% label
8364     {1em}% horizontal separation between label and title body
8365     {}% before the title body
8366     []% after the title body
8367   \titleformat{\paragraph}%
8368     [runin]% shape
8369     {\normalfont\itshape}% format applied to label+text

```



```

8370 {\theparagraph}% label
8371 {1em}% horizontal separation between label and title body
8372 {}% before the title body
8373 []% after the title body
8374 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
8375 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
8376 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus.2ex}
8377 }
8378 % Subsubsection and following section headings shouldn't be used.
8379 % See Bringhurst's The Elements of Typography, section 4.2.2.
8380 \renewcommand\subsubsection{%
8381   \bidityftetocError{\noexpand\subsubsection is undefined by this class.%
8382     \MessageBreak See Robert Bringhurst's The Elements of
8383       \MessageBreak Typographic Style, section 4.2.2.
8384     \MessageBreak \noexpand\subsubsection was used}
8385   {From Bringhurst's The Elements of Typographic Style, section 4.2.2: Use as
8386     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the
8387     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
8388 }
8389 \renewcommand\subparagraph{%
8390   \bidityftetocError{\noexpand\subparagraph is undefined by this class.%
8391     \MessageBreak See Robert Bringhurst's The Elements of
8392       \MessageBreak Typographic Style, section 4.2.2.
8393     \MessageBreak \noexpand\subparagraph was used}
8394   {From Bringhurst's The Elements of Typographic Style, section 4.2.2: Use as
8395     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the
8396     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
8397 }
8398 % Formatting for main TOC (printed in front matter)
8399 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
8400 \ifthenelse{\boolean{@bidityftetoc@toc}}{%
8401   \bidi@patch@AfterPackage{bidi}{%
8402     \titlecontents{part}% FIXME
8403       [0em] % distance from left margin
8404       {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global for
8405       {\contentslabel{2em}} % before w/label (label = ``II'')
8406       {} % before w/o label
8407       {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8408       [\end{fullwidth}] % after
8409     \titlecontents{chapter}%
8410       [0em] % distance from left margin
8411       {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global for
8412       {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
8413       {\hspace*{0em}} % before w/o label
8414       {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8415       [\end{fullwidth}] % after
8416     \titlecontents{section}% FIXME
8417       [0em] % distance from left margin
8418       {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global forma
8419       {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
8420       {\hspace*{2em}} % before w/o label
8421       {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8422       [\end{fullwidth}] % after
8423     \titlecontents{subsection}% FIXME

```



```

8424 [0em] % distance from left margin
8425 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global forma
8426 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
8427 {\hspace*{4em}} % before w/o label
8428 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8429 [\end{fullwidth}] % after
8430 \titlecontents{paragraph}% FIXME
8431 [0em] % distance from left margin
8432 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global
8433 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
8434 {\hspace*{6em}} % before w/o label
8435 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8436 [\end{fullwidth}] % after
8437 }%
8438 }{}
8439 %%
8440 % Format lists of figures/tables
8441 \renewcommand\listoffigures{%
8442   \@ifundefined{chapter}%
8443     {\section*{\listfigurename}}%
8444     {\chapter*{\listfigurename}}%
8445 % \begin{fullwidth}%
8446   \@starttoc{lof}%
8447 % \end{fullwidth}%
8448 }
8449 \renewcommand\listoftables{%
8450   \@ifundefined{chapter}%
8451     {\section*{\listtablename}}%
8452     {\chapter*{\listtablename}}%
8453 % \begin{fullwidth}%
8454   \@starttoc{lot}%
8455 % \end{fullwidth}%
8456 }
8457 \newcommand{\@biditytetoc@lof@line}[2]{%
8458   % #1 is the figure/table number and its caption text
8459   % #2 is the page number on which the figure/table appears
8460   \leftskip 0.0em
8461   \rightskip 0em
8462   \parfillskip 0em plus 1fil
8463   \parindent 0.0em
8464   \@afterindenttrue
8465   \interlinepenalty\@M
8466   \leavevmode
8467   \@tempdima 2.0em
8468   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8469   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
8470   {#1}\nobreak\quad\nobreak#2%
8471   \par%
8472 }
8473 \renewcommand*\l@figure{\@biditytetoc@lof@line}
8474 \let\l@table\l@figure

```

56 File `bidituftegeneralstructure.sty`



```

8475 \NeedsTeXFormat{LaTeX2e}
8476 \ProvidesPackage{biditytftgeneralstructure}[2011/06/18 v0.1
8477 bidi implementation of tufte general structure]
8478 \renewcommand\small{%
8479   \@setfontsize\small\@ixpt{12}%
8480   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
8481   \abovedisplayshortskip \z@ \@plus2\p@
8482   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
8483   \def\@listi{\leftmargin\leftmargini
8484     \topsep 4\p@ \@plus2\p@ \@minus2\p@
8485     \parsep 2\p@ \@plus\p@ \@minus\p@
8486     \itemsep \parsep}%
8487   \belowdisplayskip \abovedisplayskip
8488 }
8489 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
8490 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
8491 \renewcommand\large{\@setfontsize\large\@xipt{15}}
8492 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
8493 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
8494 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
8495 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
8496 \setlength\leftmargini {1pc}
8497 \setlength\leftmarginii {1pc}
8498 \setlength\leftmarginiii {1pc}
8499 \setlength\leftmarginiv {1pc}
8500 \setlength\leftmarginv {1pc}
8501 \setlength\leftmarginvi {1pc}
8502 \setlength\labelsep {.5pc}
8503 \setlength\labelwidth {\leftmargini}
8504 \addtolength\labelwidth{-\labelsep}
8505 \setlength{\parindent}{1.0pc}%
8506 \setlength{\parskip}{0pt}%
8507 \RequirePackage{ragged2e}
8508 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
8509 % Paragraph indentation and separation for normal text
8510 \newcommand{\@biditytftgeneralstructure@reset@par}{%
8511   \setlength{\RaggedRightParindent}{1.0pc}%
8512   \setlength{\JustifyingParindent}{1.0pc}%
8513   \setlength{\parindent}{1pc}%
8514   \setlength{\parskip}{0pt}%
8515 }
8516 \@biditytftgeneralstructure@reset@par
8517 % Require paralist package for tighter lists
8518 \RequirePackage{paralist}
8519 % Add rightmargin to compactenum
8520 \def\@compactenum@{%
8521   \expandafter\list\csname label\@enumctr\endcsname{%
8522     \usecounter{\@enumctr}}%
8523   \rightmargin=2em% added this
8524   \parsep\plparsep
8525   \itemsep\plitemsep
8526   \topsep\pltopsep
8527   \partopsep\plpartopsep
8528   \def\makelabel##1{\hss\llap{##1}}}}

```



```

8529 %%
8530 % An environment for paragraph-style section
8531 \providecommand\newthought[1]{%
8532   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
8533   \noindent\textbf{#1}%
8534 }
8535 %%
8536 % Redefine the display environments (quote, quotation, etc.)
8537 \renewenvironment{verse}
8538   {\let\\@centercr
8539     \list{}{\itemsep      \z@
8540             \itemindent   -1pc%
8541             \listparindent\itemindent
8542             \rightmargin  \leftmargin
8543             \advance\leftmargin 1pc}%
8544     \small%
8545     \item\relax}
8546 {\endlist}
8547 \renewenvironment{quotation}
8548   {\list{}{\listparindent 1pc%
8549             \itemindent     \listparindent
8550             \rightmargin    \leftmargin
8551             \parsep         \z@ \@plus\p@}%
8552     \small%
8553     \item\relax\noindent\ignorespaces}
8554 {\endlist}
8555 \renewenvironment{quote}
8556   {\list{}{\rightmargin\leftmargin}%
8557     \small%
8558     \item\relax}
8559 {\endlist}
8560 % Italicize description run-in headings (instead of the default bold)
8561 \renewcommand*{descriptionlabel}[1]{\hspace\labelsep\normalfont\em #1}
8562 %%
8563 % Redefine \bibsection to not mark the running heads.
8564 % (Code modified from natbib.sty.)
8565 \@ifundefined{chapter}%
8566   {\renewcommand\bibsection{\section*{\refname}}}
8567   {\@ifundefined{NAT@sectionbib}%
8568     {\renewcommand\bibsection{\chapter{\bibname}}}
8569     {\renewcommand\bibsection{\section*{\bibname}}}}
8570 \RequirePackage{multicol}
8571 \renewenvironment{theindex}{%
8572 \@ifundefined{chapter}%
8573   {\section*{\indexname}}%
8574   {\chapter{\indexname}}%
8575 \begin{fullwidth}%
8576 \small%
8577 \parskip0pt%
8578 \parindent0pt%
8579 \let\item\@idxitem%
8580 \begin{multicols}{3}%
8581 }{%
8582 \end{multicols}%

```




```

8583 \end{fullwidth}%
8584 }
8585 \AtBeginDocument{%
8586 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
8587 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
8588 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}
8589 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
8590 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

57 File `bidituftehyperref.sty`

```

8591 \NeedsTeXFormat{LaTeX2e}
8592 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
8593 bidi implementation of tufte hyperref]
8594 %%
8595 % Color
8596 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
8597 \newboolean{@bidituftehyperref@loadhyper}
8598 \setboolean{@bidituftehyperref@loadhyper}{true}
8599 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
8600 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
8601 \ProcessOptions
8602 %% Loads the hyperref package and sets some default options.
8603 \newcommand{\bidituftehyperrefLoadHyperref}{%
8604 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
8605 \hypersetup{%
8606     bookmarksdepth = section,
8607     citecolor = DarkGreen,
8608     linkcolor = DarkBlue,
8609 %     pagecolor = DarkBlue,
8610     urlcolor = DarkGreen,
8611 }%
8612 }
8613 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
8614 \bidituftehyperrefLoadHyperref%
8615 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
8616 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
8617 }

```

58 File `bidituftetitle.sty`

```

8618 \NeedsTeXFormat{LaTeX2e}
8619 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
8620 bidi implementation of tufte title]
8621 \RequirePackage{biditools}
8622 %%
8623 % `titlepage' option -- creates a full title page with \maketitle
8624 \newboolean{@bidituftetitle@titlepage}
8625 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
8626 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
8627 % Default `book' and `handout' options
8628 \@ifclassloaded{book}{%
8629 \ExecuteOptions{titlepage}}{%
8630 \@ifclassloaded{article}{%

```




```

8631 \ExecuteOptions{notitlepage}}%
8632 {}
8633 \ProcessOptions
8634 %%
8635 % Modified \title, \author, and \date commands. These store the
8636 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
8637 \newcommand{\plaintitle}{}% plain-text-only title
8638 \newcommand{\plainauthor}{}% plain-text-only author
8639 \newcommand{\plainpublisher}{}% plain-text-only publisher
8640 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
8641 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
8642 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
8643 \newcommand{\@publisher}{}% full publisher with \thanks{}
8644 \newcommand{\thedata}{\today}
8645 \bidi@patch@AfterPackage{bidi}{%
8646 \renewcommand{\thanks}[1]{\footnote{#1}}
8647 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
8648 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
8649 }
8650 \renewcommand{\title}[2] []{%
8651 \gdef\@title{#2}%
8652 \begingroup%
8653 % TODO store contents of \thanks command
8654 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8655 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8656 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8657 \protected@xdef\thanklesstitle{#2}%
8658 \endgroup%
8659 \ifthenelse{\isempty{#1}}%
8660 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
8661 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
8662 \@ifundefined{hypersetup}%
8663 {}% hyperref is not loaded; do nothing
8664 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
8665 }
8666 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
8667 \renewcommand{\author}[2] []{%
8668 \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
8669 \begingroup%
8670 % TODO store contents of \thanks command
8671 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8672 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8673 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8674 \protected@xdef\thanklessauthor{#2}%
8675 \endgroup%
8676 \ifthenelse{\isempty{#1}}%
8677 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
8678 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
8679 \@ifundefined{hypersetup}%
8680 {}% hyperref is not loaded; do nothing
8681 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
8682 }
8683 \renewcommand{\date}[1]{}%
8684 \gdef\@date{#1}%

```



```

8685 \begingroup%
8686 % TODO store contents of \thanks command
8687 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8688 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8689 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8690 \protected@xdef\thedata{#1}%
8691 \endgroup%
8692 }
8693 %%
8694 % Provides a \publisher command to set the publisher
8695 \newcommand{\publisher}[2] []{%
8696 \gdef\@publisher{#2}%
8697 \begingroup%
8698 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8699 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8700 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8701 \protected@xdef\thanklesspublisher{#2}%
8702 \endgroup%
8703 \ifthenelse{\isempty{#1}}
8704 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
8705 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
8706 }
8707 %%
8708 % Produces a full title page
8709 \newcommand{\maketitlepage}[0]{%
8710 \cleardoublepage%
8711 {%
8712 \bfseries%
8713 \begin{fullwidth}%
8714 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
8715 \vspace{11.5pc}%
8716 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
8717 \vfill%
8718 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
8719 \end{fullwidth}%
8720 }
8721 \thispagestyle{empty}%
8722 \clearpage%
8723 }
8724 %%
8725 % Title block
8726 \bidi@AfterEndPreamble{%
8727 \renewcommand{\maketitle}{%
8728 \newpage%
8729 \global\@topnum\z@% prevent floats from being placed at the top of the page
8730 \begingroup%
8731 \setlength{\parindent}{0pt}%
8732 \setlength{\parskip}{4pt}%
8733 \let\@title\@empty%
8734 \let\@author\@empty%
8735 \let\@date\@empty%
8736 \gdef\@title{\LARGE\itshape\@title\par}%
8737 \gdef\@author{\Large\itshape\@author\par}%
8738 \gdef\@date{\Large\itshape\@date\par}%

```



```

8739 \@@title%
8740 \@@author%
8741 \@@date%
8742 \endgroup%
8743 \thispagestyle{plain}% suppress the running head
8744 }%
8745 }
8746 %%
8747 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
8748 % class.)
8749 \bidi@AfterEndPreamble{%
8750 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
8751 {\renewcommand{\maketitle}{\maketitlepage}}
8752 {}
8753 }
8754 %%
8755 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
8756 % without headers and footers
8757 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
8758 \hbox{}
8759 %\vspace*{\fill}
8760 %\begin{center}
8761 % This page intentionally contains only this sentence.
8762 %\end{center}
8763 %\vspace{\fill}
8764 \thispagestyle{empty}
8765 \newpage
8766 \if@twocolumn\hbox{} \newpage\fi\fi\fi}

```

59 File bidentufte-handout.cls

```

8767 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8768 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
8769 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
8770 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
8771 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
8772 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
8773 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
8774 \ProcessOptions\relax
8775 \LoadClass{article}
8776 \RequirePackage{bidentuftefloat}
8777 \RequirePackage{bidentuftesidenote}
8778 \RequirePackage{bidentuftetoc}
8779 \RequirePackage{bidentuftegeneralstructure}
8780 \RequirePackage{bidentuftehyperref}
8781 \RequirePackage{bidentuftetitle}
8782 \renewenvironment{abstract}
8783 {\begin{quotation}}
8784 {\end{quotation}}
8785 \AtBeginDocument{%
8786 \IfFileExists{bidentufte-handout.cfg}
8787 {\input{bidentufte-handout.cfg}
8788 \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}
8789 {}%

```



8790 }

60 File biduntfte-book.cls

```
8791 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8792 \ProvidesClass{biduntfte-book}[2011/06/18 v0.1 biduntfte-book class]
8793 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
8794 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biduntftefloat}}
8795 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biduntftetoc}}
8796 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biduntftehyperref}}
8797 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biduntftetitle}}
8798 \ProcessOptions\relax
8799 \LoadClass{book}
8800 \RequirePackage{biduntftefloat}
8801 \RequirePackage{biduntftesidenote}
8802 \RequirePackage{biduntftetoc}
8803 \RequirePackage{biduntftegeneralstructure}
8804 \RequirePackage{biduntftehyperref}
8805 \RequirePackage{biduntftetitle}
8806 %%
8807 % Set up any book-specific stuff now
8808 %%
8809 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
8810 % to the opening page of Chapter 1. The running heads, when they appear,
8811 % contain only the (arabic) page number in the outside corner.
8812 %\newif\if@mainmatter \@mainmattertrue
8813 \renewcommand\frontmatter{%
8814   \cleardoublepage%
8815   \@mainmatterfalse%
8816   \pagenumbering{arabic}%
8817   %\pagestyle{plain}%
8818   \fancyhf{}%
8819   \ifthenelse{\boolean{@biduntftefloat@twoside}}%
8820     {\fancyhead[LE,RO]{\thepage}}%
8821     {\fancyhead[RE,RO]{\thepage}}%
8822 }
8823 %%
8824 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
8825 % numbering---it continues where it left off in the front matter.
8826 \renewcommand\mainmatter{%
8827   \cleardoublepage%
8828   \@mainmattertrue%
8829   \fancyhf{}%
8830   \ifthenelse{\boolean{@biduntftefloat@twoside}}%
8831     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
8832     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
8833     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
8834     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book titl
8835 }
8836 %%
8837 % The back matter contains appendices, indices, glossaries, endnotes,
8838 % bibliographies, list of contributors, illustration credits, etc.
8839 \renewcommand\backmatter{%
8840   \if@openright%
```



```

8841 \cleardoublepage%
8842 \else%
8843 \clearpage%
8844 \fi%
8845 \@mainmatterfalse%
8846 }
8847 %%
8848 % Only show the chapter titles in the table of contents
8849 \setcounter{tocdepth}{0}
8850 \AtBeginDocument{%
8851 \IfFileExists{biditufte-book.cfg}
8852 {\input{biditufte-book.cfg}
8853 \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
8854 {}%
8855 }

```

61 File bidipoem.sty

```

8856 \NeedsTeXFormat{LaTeX2e}
8857 \ProvidesPackage{bidipoem}%
8858 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
8859
8860 % Usage:
8861 %
8862 % \Setversedim #1#2 % define the layout (within a group):
8863 % #1 = length of both half-verses
8864 % #2 = separation distance = length of a connection, if present
8865 % Variant:
8866 % \Setversedim #1[#2]#3 % for half-verses of unequal length
8867 % #1 = length of first (=right) half-verse
8868 % #2 = length of second (=left) half-verse
8869 % #3 = separation distance = length of a connection, if present
8870 %
8871 % \traditionalhalfverses #1#2 % typeset two separated half-verses
8872 % #1 = text of first (=right) half-verse
8873 % #2 = text of second (=left) half-verse
8874 % Variant:
8875 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
8876 % #1 = text of first (=right) half-verse
8877 % #2 = text of connection
8878 % #3 = text of second (=left) half-verse
8879 %
8880 % Alternative (if preferred):
8881 %
8882 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
8883
8884
8885 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
8886
8887 % define the layout, verses will be centered
8888
8889 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
8890 \newdimen \bidipoem@hvind \newdimen \bidipoem@hvlen
8891

```



```

8892 \newcommand*\Setversedim}[2]{% set lengths of half-verse, [separation]
8893 \bidipoem@hvind \textwidth
8894 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
8895 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
8896 \bidipoem@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipo
8897
8898 \def \bidipoem@set@verseI [#1]{% optional parameter
8899 \bidipoem@hvlen #1\relax \bidipoem@set@@verse }
8900
8901 \newcommand*\bidipoem@set@@verse}[1]{% separation
8902 \advance \bidipoem@hvind -\bidipoem@hvlen \bidipoem@hvsep #1\relax
8903 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
8904
8905 \newcommand*\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
8906 \ifdim Opt > \bidipoem@hvind %
8907 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
8908 \else
8909 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
8910 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
8911 \bidipoem@spreadbox \bidipoem@hvlen {#3}% second block
8912 \par }
8913
8914 % macro for two half verses
8915 \newcommand*\traditionalhalfverses}[2]{% optional parameter?
8916 \ifx [#2\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
8917 \else\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
8918 \bidipoem@half@verses@next}
8919
8920 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
8921 \traditionalconnverses {#1}{#2}{#3}}
8922
8923
8924 {\catcode\^^M=\active % these lines must end with %
8925 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
8926 \global\let^^M\traditionalpoem@par % this is in case ^^M appears in a \write
8927 {\catcode\^^M=\active % these lines must end with %
8928 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
8929 \global\let^^M\modernpoem@par % this is in case ^^M appears in a \write
8930 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
8931 \def\poemmarginsskip{1em plus 1fil minus 1em}
8932 \def\poemextrabaselineskip{0\baselineskip}
8933 \def\poemskip{\medskip}
8934 \newcommand{\bidipoem@openbox}{\leavevmode
8935 \hbox to.77778em{%
8936 \hfil\vrule
8937 \vbox to.675em{\hrule width.6em\vfil\hrule}}%
8938 \vrule\hfil}}
8939 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
8940 \newdimen\versewidth
8941 \newtoks\bidipoem@p@ftn
8942 \def\poem@verse#1{%
8943 \ifdim\wd#1>\new@poem@width
8944 \xdef\new@poem@width{\the\wd#1}%
8945 \ifdim\new@poem@width>\poem@width

```



```

8946 \xdef\poem@width{\new@poem@width}%
8947 \global\let\poem@needrun\relax
8948 \fi
8949 \fi
8950 \hbox to\poem@width{\unhbox#1}%
8951 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
8952 }
8953 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmargin\relax}
8954 \def\poem@lineend{\nobreak\hskip\poemmargin\hskip\@flushglue\vadjust{}}
8955 \def\poem@lineversesep{%
8956 \nobreak
8957 \hskip\z@ plus 1filll%
8958 \penalty600%
8959 \hskip\poemcolsepskip
8960 \hskip\z@ plus -2filll%
8961 \vadjust{}}%
8962 \nobreak
8963 \hskip\z@ plus 1filll%
8964 }
8965 \def\poem@lineparsebegin{%
8966 \halign\bgroup
8967 \global\setbox\verse@i=\hbox{%
8968 \let\@footnotetext\bidipoem@p@ftntext%
8969 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8970 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8971 \let\@xfootnotenext\bidipoem@p@xftntext%
8972 \let\@xfootnote\bidipoem@p@xfootnote%
8973 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8974 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8975 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8976 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8977 \ignorespaces##\unskip}&&
8978 \global\setbox\verse@ii=\hbox{%
8979 \let\@footnotetext\bidipoem@p@ftntext%
8980 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8981 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8982 \let\@xfootnotenext\bidipoem@p@xftntext%
8983 \let\@xfootnote\bidipoem@p@xfootnote%
8984 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8985 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8986 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8987 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8988 \ignorespaces##\unskip}
8989 \cr
8990 }
8991 \def\poem@lineparseend{%
8992 \crr\egroup
8993 \vskip-\baselineskip
8994 }
8995 \def\traditionalpoem@cr{%
8996 \cr\poem@line
8997 }
8998 \newbox\verse@i
8999 \newbox\verse@ii

```



```

9000 \newif\ifpoem@started
9001
9002 \def\poem@line{%
9003 \poem@lineparseend
9004 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
9005 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
9006 \ifpoem@started
9007 \ifdim\wd\verse@ii>\z@\else
9008 \nopagebreak[3]
9009 \fi
9010 \leavevmode
9011 \poem@linebegin
9012 \poem@verse\verse@i
9013 \ifdim\wd\verse@ii>\z@
9014 \poem@lineversesep
9015 \poem@verse\verse@ii
9016 \fi
9017 \poem@lineend
9018 % \nopagebreak
9019 \par
9020 \vskip\poemextrabaseskip
9021 \fi
9022 \poem@lineparsebegin
9023 }
9024 \def\@traditionalpoem{%
9025 \stepcounter{poem@no}
9026 \ifnum\max@poem@no<\number\c@poem@no%
9027 \xdef\poem@width{\z@}%
9028 \else
9029 \xdef\poem@width{\poem@prop{poem@width}}%
9030 \fi
9031 \xdef\new@poem@width{\z@}%
9032 \global\versewidth=\poem@width
9033 \poemskip\par
9034 \begingroup
9035 \tabskip=\z@
9036 \parskip=\z@
9037 \parindent=\z@
9038 \parfillskip=\z@
9039 \rightskip=\z@
9040 \leftskip=\z@
9041 \widowpenalty=10000% No break between verses of the same line.
9042 \clubpenalty=10000% Same as above. Not really needed.
9043 \def\newblock{\hfil\poemblocksep\hfil\null}%
9044 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
9045 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
9046 \global\poem@startedfalse
9047 \csname poem@obeylines\endcsname
9048 \let\poem@obeylines\relax
9049 \poem@lineparsebegin
9050 }
9051 \def\@endtraditionalpoem{%
9052 \cr
9053 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else

```




```

9054 \noalign{%
9055 \skip0=\poemextrabaseskip
9056 \vskip-\skip0
9057 \vskip-\baseskip
9058 }%
9059 \fi\fi
9060 \poem@lineparseend
9061 \endgroup
9062 \par
9063 \vskip\baseskip
9064 \poemskip
9065 \ifdim\new@poem@width<\poem@width
9066 \global\let\poem@needrun\relax
9067 \fi
9068         \poem@write@aux{poem@width@romannumeral\c@poem@no}{\new@poem@width}%
9069 \ifx\AtEndDocument\undefined\poem@finish\fi
9070 \@endparenv
9071 }
9072
9073
9074 \long\def\bidipoem@p@ftntext#1{%
9075   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
9076   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
9077 \long\def\bidipoem@p@LTRftntext#1{%
9078   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
9079   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
9080 \long\def\bidipoem@p@RTLftntext#1{%
9081   \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
9082   \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
9083
9084 \long\def\bidipoem@p@xftntext[#1]#2{%
9085   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}%
9086
9087 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
9088   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}%
9089
9090 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
9091   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}%
9092
9093 \def\bidipoem@p@xfootnote[#1]{%
9094   \begingroup
9095     \csname c@\@mpfn\endcsname #1\relax
9096     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9097   \endgroup
9098   \@footnotemark\bidipoem@p@xftntext[#1]}
9099
9100 \def\bidipoem@p@xLTRfootnote[#1]{%
9101   \begingroup
9102     \csname c@\@mpfn\endcsname #1\relax
9103     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9104   \endgroup
9105   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
9106
9107 \def\bidipoem@p@xRTLfootnote[#1]{%

```



```

9108 \beginngroup
9109 \csname c@\mpfn\endcsname #1\relax
9110 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9111 \endgroup
9112 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
9113
9114
9115
9116 \newenvironment{traditionalpoem}{\@traditionalpoem}{\endtraditionalpoem}
9117 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obe
9118 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
9119 \def\poem@finish{%
9120 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
9121 \ifx\poem@needrun\relax
9122 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
9123 \global\let\poem@needrun\undefined
9124 \fi
9125 }
9126 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
9127 \newcounter{poem@no}\setcounter{poem@no}{\z@}
9128 \ifx\max@poem@no\undefined
9129 \def\max@poem@no{0}%
9130 \fi
9131 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
9132 \newcommand{\poem@write@aux}[2]{%
9133 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
9134 \@x
9135 }
9136 \def\@modernpoem{%
9137 \par
9138 \beginngroup
9139 \parskip=\z@
9140 \parindent=\z@
9141 \def\[{ \settab\@tabplus\ignorespaces}%
9142 \def\]{ \@tabminus\ignorespaces}%
9143 \def\newblock{\poemblocksep}%
9144 \let\newpoem@tabcr\@tabcr
9145 \def\modernpoem@par{% Redefine \par for possible \obeylines
9146 \ifpoem@started\else
9147 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9148 \@stopfield
9149 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9150 \@contfield
9151 \fi
9152 \fi
9153 \ifpoem@started\newpoem@tabcr\fi}%
9154 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
9155 \global\poem@startedfalse
9156 \csname poem@obeylines\endcsname
9157 \let\poem@obeylines\relax
9158 \begin{tabbing}%
9159 }
9160 \def\@endmodernpoem{%
9161 \global\poem@startedfalse

```



```

9162 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9163   \@stopfield
9164   \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9165   \@contfield
9166 \fi
9167 \ifpoem@started\else\let\@stopline\@stopfield\fi
9168 \end{tabbing}%
9169 \endgroup
9170 \par
9171   \if@nolist \else
9172     \ifdim\lastskip >\z@
9173       \@tempskipa\lastskip \vskip -\lastskip
9174       \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
9175       \vskip\@tempskipa
9176     \fi
9177     \@endparenv
9178   \fi
9179 }
9180 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
9181 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mod
9182 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
9183 \gdef\@startfield{%
9184 \global\setbox\@curfield\hbox\bgroup%
9185 \let\@footnotetext\bidipoem@p@ftntext%
9186 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9187 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9188 \let\@xfootnotenext\bidipoem@p@xftntext%
9189 \let\@xfootnote\bidipoem@p@xfootnote%
9190 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9191 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9192 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9193 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9194 \color@begin{group}
9195 \gdef\@stopfield{%
9196   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn
9197 \gdef\@contfield{%
9198 \global\setbox\@curfield\hbox\bgroup%
9199 \let\@footnotetext\bidipoem@p@ftntext%
9200 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9201 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9202 \let\@xfootnotenext\bidipoem@p@xftntext%
9203 \let\@xfootnote\bidipoem@p@xfootnote%
9204 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9205 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9206 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9207 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9208 \color@endgroup\unhbox\@curfield}

```

62 File boek3-xetex-bidi.def

```

9209 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for Xe
9210 \renewenvironment{theindex}{%
9211   \if@twocolumn
9212     \@restonecolfalse

```



```

9213 \else
9214 \@restonecoltrue
9215 \fi
9216 \columnseprule \z@
9217 \columnsep 35\p@
9218 \twocolumn[\@makeschapterhead{\indexname}]%
9219 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9220 \thispagestyle{plain}\parindent\z@
9221 \parskip\z@ \@plus .3\p@\relax
9222 \let\item\@idxitem
9223 }{%
9224 \if@restonecol\onecolumn\else\clearpage\fi}
9225 \renewcommand*\head@style{%
9226 \interlinepenalty \@M
9227 \hyphenpenalty=\@M \exhyphenpenalty=\@M
9228 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsizel\relax}
9229 \renewcommand*\@regtocline[3]{%
9230 \ifnum #1>\c@tocdepth
9231 \else
9232 \vskip\z@\@plus.2\p@
9233 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9234 \if@RTL\rightskip\else\leftskip\fi\unitindent
9235 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9236 \parfillskip\z@
9237 \@tempdima\unitindent
9238 \parindent\z@
9239 \leavevmode
9240 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9241 \hskip 1em \nobreak{\slshape #3}\par
9242 }%
9243 \fi}
9244 \if@oldtoc
9245 \renewcommand*\l@part[2]{%
9246 \ifnum \c@tocdepth >-2\relax
9247 \addpenalty{-\@highpenalty}%
9248 \addvspace{2.25em \@plus\p@}%
9249 \begingroup
9250 \setlength\@tempdima{3em}%
9251 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9252 \parfillskip -\@pnumwidth
9253 {\leavevmode
9254 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9255 \nobreak
9256 \global\@nobreaktrue
9257 \everypar{\global\@nobreakfalse\everypar{}}%
9258 \endgroup
9259 \fi}
9260 \else
9261 \renewcommand*\l@part{%
9262 \ifnum \c@tocdepth >-2\relax
9263 \addpenalty{-\@highpenalty}%
9264 \addvspace{2.25em \@plus \p@}%
9265 \@regtocline{0}%
9266 \fi}

```



```

9267 \fi
9268 \if@oldtoc
9269 \renewcommand*\l@chapter[2]{%
9270   \addpenalty{-\@highpenalty}%
9271   \vskip 1.0em \@plus\p@
9272   \setlength\@tempdima{1.5em}%
9273   \begingroup
9274   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9275   \parfillskip -\@pnumwidth
9276   \leavevmode \bfseries
9277   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9278   \hskip -\if@RTL\rightskip\else\leftskip\fi
9279   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9280   \penalty\@highpenalty
9281   \endgroup}
9282 \else
9283   \renewcommand*\l@chapter{\@regtocline{0}}
9284 \fi
9285 \renewenvironment{abstract}{%
9286   \titlepage
9287   \null\vfil
9288   \section*\SectFont \abstractname}
9289   \noindent\ignorespaces}
9290   {\par\vfil\null\endtitlepage}
9291 \renewenvironment{thebibliography}[1]
9292   {\chapter*\bibname}%
9293   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9294   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9295   \bidi@thebibliography@font@hook%
9296   \list{\@biblabel{\@arabic\c@enumiv}}%
9297     {\settowidth\labelwidth{\@biblabel{#1}}%
9298     \leftmargin\labelwidth
9299     \advance\leftmargin\labelsep
9300     \@openbib@code
9301     \usecounter{enumiv}%
9302     \let\p@enumiv\@empty
9303     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9304   \sloppy\clubpenalty4000\widowpenalty4000%
9305   \sfcode`. \m}
9306   {\def\@noitemerr
9307     {\@latex@warning{Empty `thebibliography' environment}}%
9308   \endlist}
9309 \renewcommand*\left@footnoterule{%
9310   \kern-3\p@
9311   \kern.5\baselineskip
9312   \hrule\@width\unitindent
9313   \kern.4\baselineskip
9314 }
9315 \renewcommand*\right@footnoterule{%
9316   \kern-3\p@
9317   \kern.5\baselineskip
9318   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9319   \kern.4\baselineskip}
9320 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}

```



```

9321 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
9322 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9323 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9324 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9325 \renewcommand*\theequation{%
9326   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9327 \renewcommand*\thefigure{%
9328   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9329 \renewcommand*\thetable{%
9330   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9331 \renewcommand*\maketitle{%
9332   \begin{titlepage}%
9333     \let\footnotesize\small
9334     \let\right@footnoterule\relax
9335     \let\left@footnoterule\relax
9336     \let\textwidth@footnoterule\relax
9337     \let \footnote \thanks
9338     \long\def\@makefnmark##1{\parindent\z@
9339       \def\labelitemi{\textendash}\@revlabeltrue
9340       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9341     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9342     \ifcompatibility\setcounter{page}{0}\fi
9343     \null\vfil
9344     \vskip 60\p@
9345     \begin{center}%
9346       \TitleFont
9347       {\LARGE \def\{\{\penalty -\@M}
9348         \if@allcaps
9349           \expandafter\uc@nothanks\@title\thanks\relax
9350         \else
9351           \@title
9352         \fi\par}%
9353       \vskip 3em%
9354       {\large
9355         \lineskip .75em \parindent\z@
9356         \begin{tabular}[t]{c}%
9357           \if@allcaps
9358             \expandafter\uc@authornothanks\@author\and\relax
9359           \else
9360             \@author
9361           \fi
9362         \end{tabular}\par}%
9363       \vskip 1.5em%
9364       {\large
9365         \if@allcaps
9366           \uppercase\expandafter{\@date}%
9367         \else
9368           \@date
9369         \fi\par}%
9370       \end{center}\par
9371       \@thanks
9372       \vfil\null
9373     \end{titlepage}%
9374     \setcounter{footnote}{0}%

```



```

9375 \global\let\thanks\relax
9376 \global\let\maketitle\relax
9377 \global\let\@thanks\@empty
9378 \global\let\@author\@empty
9379 \global\let\@title\@empty
9380 \global\let\@date\@empty
9381 \global\let\title\relax
9382 \global\let\author\relax
9383 \global\let\date\relax
9384 \global\let\and\relax
9385 }

```

63 File boek-xetex-bidi.def

```

9386 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
9387 \renewenvironment{theindex}{%
9388   \if@twocolumn
9389     \@restonecolfalse
9390   \else
9391     \@restonecoltrue
9392   \fi
9393   \columnseprule \z@
9394   \columnsep 35\p@
9395   \twocolumn[\@makeschapterhead{\indexname}]{%
9396     \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9397     \thispagestyle{plain}\parindent\z@
9398     \parskip\z@ \@plus .3\p@\relax
9399     \let\item\@idxitem
9400   }{%
9401     \if@restonecol\onecolumn\else\clearpage\fi}
9402 \renewcommand*{head@style}{%
9403   \interlinepenalty \@M
9404   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9405   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsizel\relax}
9406 \renewcommand*{@regtocline}[3]{%
9407   \ifnum #1>\c@tocdepth
9408     \else
9409     \vskip\z@\@plus.2\p@
9410     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9411     \if@RTL\rightskip\else\leftskip\fi\unitindent
9412     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9413     \parfillskip\z@
9414     \@tempdima\unitindent
9415     \parindent\z@
9416     \leavevmode
9417     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9418     \hskip 1em \nobreak{\slshape #3}\par
9419     }%
9420   \fi}
9421 \if@oldtoc
9422 \renewcommand*\l@part[2]{%
9423   \ifnum \c@tocdepth >-2\relax
9424     \addpenalty{-\@highpenalty}%
9425     \addvspace{2.25em \@plus\p@}%

```



```

9426 \begingroup
9427   \setlength\@tempdima{3em}%
9428   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9429   \parfillskip -\@pnumwidth
9430   {\leavevmode
9431     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9432     \nobreak
9433     \global\@nobreaktrue
9434     \everypar{\global\@nobreakfalse\everypar{}}%
9435   \endgroup
9436 \fi}
9437 \else
9438   \renewcommand*\l@part{%
9439     \ifnum \c@tocdepth >-2\relax
9440       \addpenalty{-\@highpenalty}%
9441       \advspace{2.25em \@plus \p@}%
9442       \@regtocline{0}%
9443     \fi}
9444 \fi
9445 \if@oldtoc
9446 \renewcommand*\l@chapter[2]{%
9447   \addpenalty{-\@highpenalty}%
9448   \vskip 1.0em \@plus \p@
9449   \setlength\@tempdima{1.5em}%
9450   \begingroup
9451     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9452     \parfillskip -\@pnumwidth
9453     \leavevmode \bfseries
9454     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9455     \hskip -\if@RTL\rightskip\else\leftskip\fi
9456     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9457     \penalty\@highpenalty
9458   \endgroup}
9459 \else
9460   \renewcommand*\l@chapter{\@regtocline{0}}
9461 \fi
9462 \renewcommand*\left@footnoterule{%
9463   \kern-3\p@
9464   \kern.5\baselineskip
9465   \hrule\@width\unitindent
9466   \kern.4\baselineskip
9467 }
9468 \renewcommand*\right@footnoterule{%
9469   \kern-3\p@
9470   \kern.5\baselineskip
9471   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9472   \kern.4\baselineskip}
9473 \renewenvironment{abstract}{%
9474   \titlepage
9475   \null\vfil
9476   \section*{\SectFont \abstractname}
9477   \noindent\ignorespaces}
9478   {\par\vfil\null\endtitlepage}
9479 \renewenvironment{thebibliography}[1]

```




```

9480 {\chapter*{\bibname}}%
9481 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9482 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9483 \bidi@thebibliography@font@hook%
9484 \list{\@biblabel{\@arabic\c@enumiv}}%
9485 {\settowidth\labelwidth{\@biblabel{#1}}%
9486 \leftmargin\labelwidth
9487 \advance\leftmargin\labelsep
9488 \@openbib@code
9489 \usecounter{enumiv}%
9490 \let\p@enumiv\empty
9491 \renewcommand*{theenumiv}{\@arabic\c@enumiv}}%
9492 \sloppy\clubpenalty4000\widowpenalty4000%
9493 \sfcode`..\@m}
9494 {\def\@noitemerr
9495 {\@latex@warning{Empty `thebibliography' environment}}%
9496 \endlist}
9497 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9498 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9499 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9500 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9501 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9502 \renewcommand*\theequation{%
9503 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9504 \renewcommand*\thefigure{%
9505 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9506 \renewcommand*\thetable{%
9507 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9508 \renewcommand*\maketitle{%
9509 \begin{titlepage}%
9510 \let\footnotesize\small
9511 \let\right@footnoterule\relax
9512 \let\left@footnoterule\relax
9513 \let\textwidth@footnoterule\relax
9514 \let \footnote \thanks
9515 \long\def\@makefnmark##1{\parindent\z@
9516 \def\labelitemi{\textendash}\@revlabeltrue
9517 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9518 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9519 \if@compatibility\setcounter{page}{0}\fi
9520 \null\vfil
9521 \vskip 60\p@
9522 \begin{center}%
9523 \TitleFont
9524 {\LARGE \def\\{\penalty -\@M}
9525 \if@allcaps
9526 \expandafter\uc@nothanks\@title\thanks\relax
9527 \else
9528 \@title
9529 \fi\par}%
9530 \vskip 3em%
9531 {\large
9532 \lineskip .75em \parindent\z@
9533 \begin{tabular}[t]{c}%

```



```

9534         \if@allcaps
9535             \expandafter\uc@authornothanks \@author\and\relax
9536         \else
9537             \@author
9538         \fi
9539     \end{tabular}\par}%
9540 \vskip 1.5em%
9541 {\large
9542     \if@allcaps
9543         \uppercase\expandafter{\@date}%
9544     \else
9545         \@date
9546     \fi\par}%
9547 \end{center}\par
9548 \@thanks
9549 \vfil\null
9550 \end{titlepage}%
9551 \setcounter{footnote}{0}%
9552 \global\let\thanks\relax
9553 \global\let\maketitle\relax
9554 \global\let\@thanks\@empty
9555 \global\let\@author\@empty
9556 \global\let\@title\@empty
9557 \global\let\@date\@empty
9558 \global\let\title\relax
9559 \global\let\author\relax
9560 \global\let\date\relax
9561 \global\let\and\relax
9562 }

```

64 File `bookest-xetex-bidi.def`

```

9563 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class fo
9564 \def\@makechapterhead#1{%
9565     \vspace*{20\p@}
9566     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9567         \ifnum \c@secnumdepth >\m@ne
9568             \if@mainmatter
9569                 {\colorA\huge\scshape \@chapapp\space \thechapter}
9570                 \par\nobreak
9571                 \vskip 10\p@
9572             \fi
9573         \fi
9574         \interlinepenalty\@M
9575     {\colorB\hrule}
9576     \vskip 15\p@
9577     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
9578         {\colorA\Huge \bfseries #1}\par\nobreak
9579     \if@RTL\end{flushleft}\else\end{flushright}\fi
9580     \vskip 5\p@
9581     {\colorB\hrule}
9582     \vskip 30\p@
9583     }}
9584 \def\@makeschapterhead#1{%

```



```

9585 \vspace*{20\p@}
9586 {\parindent \z@ \raggedright \normalfont
9587 {\colorB\hrule}
9588 \vskip 15\p@
9589 \begin{center}
9590   {\colorA\Huge \bfseries #1}\par\nobreak
9591 \end{center}
9592 \vskip 5\p@
9593 {\colorB\hrule}
9594 \vskip 30\p@
9595 }}

```

65 File book-xetex-bidi.def

```

9596 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class]
9597 \renewenvironment{theindex}
9598   {\if@twocolumn
9599     \@restonecolfalse
9600   \else
9601     \@restonecoltrue
9602   \fi
9603   \columnseprule \z@
9604   \columnsep 35\p@
9605   \twocolumn[\@makeschapterhead{\indexname}]}%
9606   \@mkboth{\MakeUppercase\indexname}%
9607             {\MakeUppercase\indexname}%
9608   \thispagestyle{plain}\parindent\z@
9609   \parskip\z@ \@plus .3\p@\relax
9610   \let\item\@idxitem}
9611   {\if@restonecol\onecolumn\else\clearpage\fi}
9612 \@ifclassloaded{bookest}{-}{%
9613 \if@titlepage
9614 \renewcommand\maketitle{\begin{titlepage}%
9615 \let\footnotesize\small
9616 \let\right@footnoterule\relax
9617 \let\left@footnoterule\relax
9618 \let\textwidth@footnoterule\relax
9619 \let \footnote \thanks
9620 \let \LTRfootnote \LTRthanks
9621 \let \RTLfootnote \RTLthanks
9622 \null\vfil
9623 \vskip 60\p@
9624 \begin{center}%
9625   {\LARGE \@title \par}%
9626   \vskip 3em%
9627   {\large
9628     \lineskip .75em%
9629     \begin{tabular}[t]{c}%
9630       \@author
9631     \end{tabular}\par}%
9632   \vskip 1.5em%
9633   {\large \@date \par}%           % Set date in \large size.
9634 \end{center}\par
9635 \@thanks

```



```

9636 \vfil\null
9637 \end{titlepage}%
9638 \setcounter{footnote}{0}%
9639 \global\let\thanks\relax
9640 \global\let\LTRthanks\relax
9641 \global\let\RTLthanks\relax
9642 \global\let\maketitle\relax
9643 \global\let\@thanks\@empty
9644 \global\let\@author\@empty
9645 \global\let\@date\@empty
9646 \global\let\@title\@empty
9647 \global\let\title\relax
9648 \global\let\author\relax
9649 \global\let\date\relax
9650 \global\let\and\relax
9651 }
9652 \else
9653 \renewcommand\maketitle{\par
9654 \begingroup
9655 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9656 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9657 \long\def\@makefntext##1{\parindent 1em\noindent
9658 \hb@xt@1.8em{%
9659 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9660 \iftwocolumn
9661 \ifnum \col@number=\@one
9662 \@maketitle
9663 \else
9664 \twocolumn[\@maketitle]%
9665 \fi
9666 \else
9667 \newpage
9668 \global\@topnum\z@ % Prevents figures from going at top of page.
9669 \@maketitle
9670 \fi
9671 \thispagestyle{plain}\@thanks
9672 \endgroup
9673 \setcounter{footnote}{0}%
9674 \global\let\thanks\relax
9675 \global\let\LTRthanks\relax
9676 \global\let\RTLthanks\relax
9677 \global\let\maketitle\relax
9678 \global\let\@maketitle\relax
9679 \global\let\@thanks\@empty
9680 \global\let\@author\@empty
9681 \global\let\@date\@empty
9682 \global\let\@title\@empty
9683 \global\let\title\relax
9684 \global\let\author\relax
9685 \global\let\date\relax
9686 \global\let\and\relax
9687 }
9688 \def\@maketitle{%
9689 \newpage

```



```

9690 \null
9691 \vskip 2em%
9692 \begin{center}%
9693 \let \footnote \thanks
9694 \let \LTRfootnote \LTRthanks
9695 \let \RTLfootnote \RTLthanks
9696 {\LARGE \@title \par}%
9697 \vskip 1.5em%
9698 {\large
9699 \lineskip .5em%
9700 \begin{tabular}[t]{c}%
9701 \@author
9702 \end{tabular}\par}%
9703 \vskip 1em%
9704 {\large \@date}%
9705 \end{center}%
9706 \par
9707 \vskip 1.5em}
9708 \fi}
9709 \renewcommand*\l@part[2]{%
9710 \ifnum \c@tocdepth >-2\relax
9711 \addpenalty{-\@highpenalty}%
9712 \addvspace{2.25em \@plus\p@}%
9713 \setlength\@tempdima{3em}%
9714 \begingroup
9715 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9716 \parfillskip -\@pnumwidth
9717 {\leavevmode
9718 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9719 \nobreak
9720 \global\@nobreaktrue
9721 \everypar{\global\@nobreakfalse\everypar{}}%
9722 \endgroup
9723 \fi}
9724 \renewcommand*\l@chapter[2]{%
9725 \ifnum \c@tocdepth >\m@ne
9726 \addpenalty{-\@highpenalty}%
9727 \vskip 1.0em \@plus\p@
9728 \setlength\@tempdima{1.5em}%
9729 \begingroup
9730 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9731 \parfillskip -\@pnumwidth
9732 \leavevmode \bfseries
9733 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9734 \hskip -\if@RTL\rightskip\else\leftskip\fi
9735 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9736 \penalty\@highpenalty
9737 \endgroup
9738 \fi}
9739 \renewcommand\left@footnoterule{%
9740 \kern-3\p@
9741 \hrule\@width.4\columnwidth
9742 \kern2.6\p@}
9743 \renewcommand\right@footnoterule{%

```



```

9744 \kern-3\p@
9745 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9746 \kern2.6\p@}
9747 \renewcommand\theequation
9748 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9749 \renewcommand \thefigure
9750 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9751 \renewcommand \thetable
9752 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9753 \renewcommand \thechapter {\@arabic\c@chapter}
9754 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9755 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9756 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9757 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9758 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9759 \def\@makechapterhead#1{%
9760 \vspace*{50\p@}%
9761 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9762 \ifnum \c@secnumdepth >\m@ne
9763 \if@mainmatter
9764 \huge\bfseries \@chapapp\space \thechapter
9765 \par\nobreak
9766 \vskip 20\p@
9767 \fi
9768 \fi
9769 \interlinepenalty\@M
9770 \Huge \bfseries #1\par\nobreak
9771 \vskip 40\p@
9772 }}
9773 \def\@makeschapterhead#1{%
9774 \vspace*{50\p@}%
9775 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9776 \normalfont
9777 \interlinepenalty\@M
9778 \Huge \bfseries #1\par\nobreak
9779 \vskip 40\p@
9780 }}
9781 \renewcommand\backmatter{%
9782 \if@openright
9783 \cleardoublepage
9784 \else
9785 \clearpage
9786 \fi
9787 \@mainmatterfalse}
9788 \renewenvironment{thebibliography}[1]
9789 {\chapter*{\bibname}}%
9790 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9791 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9792 \bidi@thebibliography@font@hook%
9793 \list{\@biblabel{\@arabic\c@enumiv}}%
9794 {\settowidth\labelwidth{\@biblabel{#1}}%
9795 \leftmargin\labelwidth
9796 \advance\leftmargin\labelsep
9797 \@openbib@code

```



```

9798         \usecounter{enumiv}%
9799         \let\p@enumiv\@empty
9800         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9801     \sloppy
9802     \clubpenalty4000
9803     \@clubpenalty \clubpenalty
9804     \widowpenalty4000%
9805     \sfcode`. \m}
9806     {\def\@noitemerr
9807         {\@latex@warning{Empty `thebibliography' environment}}%
9808     \endlist}

```

66 File breqn-xetex-bidi.def

```

9809 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for
9810 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
9811     \everydisplay\expandafter{\the\everydisplay \display@setup}%
9812     \if@noskipsec \leavevmode \fi
9813     \if@inlabel \leavevmode \global\@inlabelfalse \fi
9814     \if@eq@group\else\eq@prelim\fi
9815     \setkeys{breqn}{#1}%
9816     \the\eqstyle
9817     \eq@setnumber
9818     \begingroup
9819     \eq@setup@a
9820     \eq@startup
9821 }
9822 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
9823     \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
9824     \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
9825     \global\let\GRP@label\@empty
9826     \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
9827     \global\grp@linewidth\z@\global\grp@wdNum\z@
9828     \global\let\grp@eqs@numbered\@False
9829     \global\let\grp@aligned\@True
9830     \global\let\grp@shiftnumber\@False
9831     \eq@prelim
9832     \setkeys{breqn}{#1}%
9833     \if\grp@hasNumber \grp@setnumber \fi
9834 }
9835 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
9836     \let\display@setup\dseries@display@setup
9837     % Question: should this be the default for dseries???
9838     \global\eq@wdCond\z@
9839     \@dmath[layout={M},#1]%
9840     \mathsurround\z@\@math \penalty\@Mi
9841     \let\endmath\ends@math
9842     \def\premath{%
9843         \ifdim\lastskip<.3em \unskip
9844         \else\ifnum\lastpenalty<\@M \dquad\fi\fi
9845 }%
9846     \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
9847 \ignorespaces
9848 }

```



```

9849 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
9850 \renewenvironment{dsuspend}{%
9851   \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
9852   \parshape 1 \displayindent \displaywidth\relax
9853   \hsize=\columnwidth \noindent\ignorespaces
9854 }{%
9855   \par\egroup
9856   \global\setbox\GRP@box\vbox{%
9857     \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
9858     \unvbox\GRP@box
9859   }%
9860   \global\GRP@queue\@xp{\the\GRP@queue
9861     \@elt{\let\eq@isIntertext\@True}%
9862   }%
9863 }

```

67 File calcs-xetex-bidi.def

```

9864 \ProvidesFile{calcs-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for calcs package for Xe
9865 \renewcommand\calcs@setup@alignment[1]{%
9866 \if c#1\relax \calcs@vfillAdd \leftskip \calcs@vfillAdd \rightskip \fi
9867 \if l#1\relax \calcs@vfillDrop\leftskip \calcs@vfillDrop\rightskip \fi
9868 \if r#1\relax \calcs@vfillAdd \leftskip \calcs@vfillDrop\rightskip \fi
9869 }
9870 \renewcommand\calcs@table@alignment{\if@RTLtab r\else l\fi}
9871 \renewenvironment{calstable}[1][\calcs@table@alignment]{%
9872 \if@RTLtab\calcs@activate@rtl\fi
9873 \let\calcs@thead@tokens=\relax
9874 \let\calcs@tfoot@tokens=\relax
9875 \let\calcs@tbody@tokens=\relax
9876 \calcs@tfoot@height=0pt \relax
9877 \let\calcs@last@context=n%
9878 \let\calcs@current@context=b%
9879 \parindent=0pt \relax%
9880 \calcs@setup@alignment{#1}%
9881 \calcs@setpadding{Ag}\calcs@setcellprevdepth{A1}\calcs@set@tohsize%
9882 %% Alignment inside is independent on center/flushright outside
9883 \parfillskip=0pt plusfil\relax
9884 \let\calcs@borderL=\relax
9885 \let\calcs@borderR=\relax
9886 \let\calcs@borderT=\relax
9887 \let\calcs@borderB=\relax
9888 \setbox\calcs@backup@row=\box\voidb@x\relax
9889 \calcs@AtBeginTable
9890 }{% End of the table
9891 \calcs@tfoot@tokens\lastrule\calcs@AtEndTable}
9892 \renewcommand\alignL{%
9893 \if@RTLtab
9894   \calcs@vfillAdd\calcs@paddingL
9895 \else
9896   \calcs@vfillDrop\calcs@paddingL
9897 \fi
9898 \calcs@vfillDrop\calcs@paddingR}
9899 \renewcommand\alignR{%

```




```

9900 \if@RTLtab
9901   \cals@vfillDrop\cals@paddingL
9902 \else
9903   \cals@vfillAdd\cals@paddingL
9904 \fi
9905 \cals@vfillDrop\cals@paddingR}

```

68 File caption-xetex-bidi.def

```

9906 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package
9907 \let\@makecaption\caption@makecaption

```

69 File caption3-xetex-bidi.def

```

9908 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
9909 \renewcommand*\caption@par{%
9910   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

70 File colortbl-xetex-bidi.def

```

9911 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
9912 \def\CT@setup{%
9913   \@tempdimb\col@sep
9914   \@tempdimc\col@sep
9915   \def\CT@color{%
9916     \global\let\CT@do@color\CT@do@color
9917     \bidicolor}}
9918 \def\@classz{\@classx
9919   \@tempcnta \count@
9920   \prepnext@tok
9921 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
9922   \@addtopreamble{\if@RTLtab\beginL\fi%
9923     \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
9924       \ifcase \@chnum
9925         \hskip\stretch{.5}\kern\z@
9926         \d@llarbegin
9927         \insert@column
9928         \d@llarend\hskip\stretch{.5}\or
9929         \d@llarbegin \insert@column \d@llarend \hfill \or
9930         \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
9931       $\vcenter
9932       \@startpbox{\@nextchar}\insert@column \@endpbox $\or
9933       \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
9934       \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
9935     \fi
9936 \if@RTLtab\endR\fi\egroup\egroup
9937 \begingroup
9938   \CT@setup
9939   \CT@column@color
9940   \CT@row@color
9941   \CT@cell@color
9942   \CT@do@color
9943 \endgroup
9944   \@tempdima\ht\z@

```



```

9945     \advance\@tempdima\minrowclearance
9946     \vrule\@height\@tempdima\@width\z@
9947     \unhbox\z@\if@RTLtab\endL\fi}%
9948 \prepnext@tok}

```

71 File color-xetex-bidi.def

```

9949 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for
9950 \long\def\color@b@x#1#2#3{%
9951 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
9952 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
9953 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
9954 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
9955 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
9956 \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
9957 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi}
9958 \DeclareRobustCommand\color{%
9959 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]
9960 \def\@declaredcolor#1{%
9961 \@ifundefined{\string\color @#1}%
9962 {\color@error{`#1'}}%
9963 {\expandafter\let\expandafter\current@color
9964 \csname\string\color @#1\endcsname
9965 \set@color}%
9966 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9967 \def\@undeclaredcolor[#1]#2{%
9968 \@ifundefined{color@#1}%
9969 {\color@error{model `#1'}}%
9970 {\csname color@#1\endcsname\current@color{#2}%
9971 \set@color}%
9972 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9973 \DeclareRobustCommand\bidicolor{%
9974 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]
9975 \def\@bidiundeclaredcolor[#1]#2{%
9976 \@ifundefined{color@#1}%
9977 {\color@error{model `#1'}}%
9978 {\csname color@#1\endcsname\current@color{#2}%
9979 \set@color}%
9980 \ignorespaces}
9981 \def\@bidideclaredcolor#1{%
9982 \@ifundefined{\string\color @#1}%
9983 {\color@error{`#1'}}%
9984 {\expandafter\let\expandafter\current@color
9985 \csname\string\color @#1\endcsname
9986 \set@color}%
9987 \ignorespaces}
9988 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
9989 \def\color@fbox#1#2#3{%
9990 \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
9991 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

72 File combine-xetex-bidi.def

```

9992 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class fo

```



```

9993 \renewcommand{\c@ll@chapsecii}[2]{%
9994   \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
9995   \ifRTL\hskip -\rightskip\else\hskip -\leftskip\fi
9996   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9997 }
9998 \renewcommand{\c@ll@chapseci}{%
9999   \setlength\@tempdima{0em}%
10000 \begin{group}
10001   \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
10002   \parfillskip -\@pnumwidth
10003   \leavevmode
10004 }
10005 \renewenvironment{tocindent}[1]{%
10006   \hangindent \ifRTL-\fi#1 \hangafter -100\relax}{%

```

73 File crop-xetex-bidi.def

```

10007 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for Xe
10008 \renewcommand*\CROP@ulc{%
10009   \ifRTLmain%
10010     \begin{picture}(0,0)
10011       \unitlength\p@\thinlines
10012       \put(-40,0){\circle{10}}
10013       \put(-30,-5){\line(0,1){10}}
10014       \put(-35,0){\line(1,0){30}}
10015       \put(-10,30){\circle{10}}
10016       \put(-5,30){\line(1,0){10}}
10017       \put(0,35){\line(0,-1){30}}
10018     \end{picture}%
10019   \else%
10020     \begin{picture}(0,0)
10021       \unitlength\p@\thinlines
10022       \put(-30,0){\circle{10}}
10023       \put(-30,-5){\line(0,1){10}}
10024       \put(-35,0){\line(1,0){30}}
10025       \put(0,30){\circle{10}}
10026       \put(-5,30){\line(1,0){10}}
10027       \put(0,35){\line(0,-1){30}}
10028     \end{picture}%
10029   \fi%
10030 }
10031 \renewcommand*\CROP@urc{%
10032   \ifRTLmain%
10033     \begin{picture}(0,0)
10034       \unitlength\p@\thinlines
10035       \put(20,0){\circle{10}}
10036       \put(30,-5){\line(0,1){10}}
10037       \put(35,0){\line(-1,0){30}}
10038       \put(-10,30){\circle{10}}
10039       \put(-5,30){\line(1,0){10}}
10040       \put(0,35){\line(0,-1){30}}
10041     \end{picture}%
10042   \else%
10043     \begin{picture}(0,0)

```



```

10044     \unitlength\p@\thinlines
10045     \put(30,0){\circle{10}}
10046     \put(30,-5){\line(0,1){10}}
10047     \put(35,0){\line(-1,0){30}}
10048     \put(0,30){\circle{10}}
10049     \put(-5,30){\line(1,0){10}}
10050     \put(0,35){\line(0,-1){30}}
10051     \end{picture}%
10052     \fi%
10053 }
10054 \renewcommand*\CROP@llc{%
10055   \if@RTLmain%
10056     \begin{picture}(0,0)
10057       \unitlength\p@\thinlines
10058       \put(-40,0){\circle{10}}
10059       \put(-30,-5){\line(0,1){10}}
10060       \put(-35,0){\line(1,0){30}}
10061       \put(-10,-30){\circle{10}}
10062       \put(-5,-30){\line(1,0){10}}
10063       \put(0,-35){\line(0,1){30}}
10064     \end{picture}%
10065   \else%
10066     \begin{picture}(0,0)
10067       \unitlength\p@\thinlines
10068       \put(-30,0){\circle{10}}
10069       \put(-30,-5){\line(0,1){10}}
10070       \put(-35,0){\line(1,0){30}}
10071       \put(0,-30){\circle{10}}
10072       \put(-5,-30){\line(1,0){10}}
10073       \put(0,-35){\line(0,1){30}}
10074     \end{picture}%
10075     \fi%
10076 }
10077 \renewcommand*\CROP@lrc{%
10078   \if@RTLmain%
10079     \begin{picture}(0,0)
10080       \unitlength\p@\thinlines
10081       \put(20,0){\circle{10}}
10082       \put(30,-5){\line(0,1){10}}
10083       \put(35,0){\line(-1,0){30}}
10084       \put(-10,-30){\circle{10}}
10085       \put(-5,-30){\line(1,0){10}}
10086       \put(0,-35){\line(0,1){30}}
10087     \end{picture}%
10088   \else%
10089     \begin{picture}(0,0)
10090       \unitlength\p@\thinlines
10091       \put(30,0){\circle{10}}
10092       \put(30,-5){\line(0,1){10}}
10093       \put(35,0){\line(-1,0){30}}
10094       \put(0,-30){\circle{10}}
10095       \put(-5,-30){\line(1,0){10}}
10096       \put(0,-35){\line(0,1){30}}
10097     \end{picture}%

```



```

10098   \fi%
10099 }
10100 \@ifpackagewith{crop}{cam}{%
10101 \CROP@except{cam}%
10102 }{}

```

74 File cutwin-xetex-bidi.def

```

10103 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
10104 \renewcommand*{\c@twcompctr}[2]{%
10105   \def\c@twfirst{1}
10106   \loop\advance\c@twinlines\m@ne
10107   \setbox\c@twslicea=\vsplit#1 to\baselineskip
10108   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
10109   \c@twprune{\c@twslicea}{\c@twlftside}%
10110   \c@twprune{\c@twsliceb}{\c@twrtside}%
10111   \ifnum\c@twfirst=\@ne
10112     \setbox#2=\vbox{\unvbox#2\hbox
10113       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
10114     \else
10115       \setbox#2=\vbox{\unvbox#2\hbox
10116       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\
10117     \fi
10118   \def\c@twfirst{2}
10119   \ifnum\c@twinlines>\z@\repeat}
10120 \renewcommand*{\c@twcompodctr}[2]{%
10121   \def\c@twrounds{1}
10122   \def\c@twfirst{1}
10123   \@for\c@twlspec:=\c@twb\do{%
10124     \ifnum\c@twrounds=1
10125       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
10126       \c@twprune{\c@twslicea}{\c@twlspec}%
10127       \def\c@twrounds{2}
10128     \else
10129       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
10130       \c@twprune{\c@twsliceb}{\c@twlspec}%
10131     \ifnum\c@twfirst=1
10132       \setbox#2=\vbox{\unvbox#2\hbox
10133       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL
10134       \def\c@twfirst{2}
10135     \else
10136       \setbox#2=\vbox{\unvbox#2\hbox
10137       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\
10138     \fi
10139   \def\c@twrounds{1}
10140   \fi}}

```

75 File cuted-xetex-bidi.def

```

10141 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for
10142
10143 \def\RTL@outputdblcol{%
10144   \if@firstcolumn
10145     \global\@firstcolumnfalse

```



```

10146 \global\setbox\@leftcolumn\copy\@outputbox
10147 \splitmaxdepth\maxdimen
10148 \vbadness\maxdimen
10149 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10150 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10151 \toks@\expandafter{\topmark}%
10152 \xdef\@firstcoltopmark{\the\toks@}%
10153 \toks@\expandafter{\splitfirstmark}%
10154 \xdef\@firstcolfirstmark{\the\toks@}%
10155 \ifx\@firstcolfirstmark\@empty
10156 \global\let\@setmarks\relax
10157 \else
10158 \gdef\@setmarks{%
10159 \let\firstmark\@firstcolfirstmark
10160 \let\topmark\@firstcoltopmark}%
10161 \fi
10162 \else
10163 \global\@firstcolumntrue
10164 \setbox\@outputbox\vbox{%
10165 \hb@xt@\textwidth{%
10166 \hskip \columnwidth
10167 \hfil
10168 f\normalcolor\vrule \@width\columnseprule}%
10169 \hfil
10170 \hb@xt@\columnwidth{%
10171 \bidi@firstcolumn@status@write%
10172 \box\@leftcolumn \hss}%
10173 \hskip -\textwidth
10174 \hb@xt@\columnwidth{%
10175 \bidi@lastcolumn@status@write%
10176 \box\@outputbox \hss}%
10177 \hskip \columnsep
10178 \hskip \columnwidth }}%
10179 \ifvoid\hold@viper
10180 \else
10181 \setbox\@outputbox \vbox to\textheight{%
10182 \box\hold@viper
10183 \box\@outputbox
10184 \vss
10185 }%
10186 \fi
10187 \@combinedblfloats
10188 \@setmarks
10189 \@outputpage
10190 \begingroup
10191 \@dblfloatplacement
10192 \@startdblcolumn
10193 \@whilesw\if@fcolmade \fi{\@outputpage
10194 \@startdblcolumn}%
10195 \ifvoid\@viper
10196 \else
10197 \global\setbox\@viper\vbox{%
10198 \vskip-\stripsep
10199 \unvbox\@viper

```



```

10200         }%
10201         \@viperoutput
10202     \fi
10203 \endgroup
10204 \fi}%
10205
10206 \def\LTR@outputdblcol{%
10207     \if@firstcolumn
10208         \global\@firstcolumnfalse
10209         \global\setbox\@leftcolumn\copy\@outputbox
10210         \splitmaxdepth\maxdimen
10211         \vbadness\maxdimen
10212         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10213         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10214         \toks@\expandafter{\topmark}%
10215         \xdef\@firstcoltopmark{\the\toks@}%
10216         \toks@\expandafter{\splitfirstmark}%
10217         \xdef\@firstcolfirstmark{\the\toks@}%
10218         \ifx\@firstcolfirstmark\@empty
10219             \global\let\@setmarks\relax
10220         \else
10221             \gdef\@setmarks{%
10222                 \let\firstmark\@firstcolfirstmark
10223                 \let\topmark\@firstcoltopmark}%
10224         \fi
10225     \else
10226         \global\@firstcolumntrue
10227         \setbox\@outputbox\vbox{%
10228             \hb@xt@\textwidth{%
10229                 \hb@xt@\columnwidth{%
10230                     \bidi@firstcolumn@status@write%
10231                     \box\@leftcolumn \hss}%
10232                 \hfil
10233                 {\normalcolor\vrule \@width\columnseprule}%
10234                 \hfil
10235                 \hb@xt@\columnwidth{%
10236                     \bidi@lastcolumn@status@write%
10237                     \box\@outputbox \hss}}}%
10238     \ifvoid\hold@viper
10239     \else
10240         \setbox\@outputbox \vbox to\textheight{%
10241             \box\hold@viper
10242             \box\@outputbox
10243             \vss
10244             }%
10245     \fi
10246 \@combinedblfloats
10247 \@setmarks
10248 \@outputpage
10249 \begingroup
10250     \@dblfloatplacement
10251     \@startdblcolumn
10252     \@whilesw\if@fcolmade \fi{\@outputpage
10253     \@startdblcolumn}%

```



```

10254     \ifvoid\@viper
10255     \else
10256         \global\setbox\@viper\vbox{%
10257             \vskip-\stripsep
10258             \unvbox\@viper
10259         }%
10260     \@viperoutput
10261     \fi
10262 \endgroup
10263 \fi}%
10264
10265 \def\@addviper{%
10266     \@insertfalse
10267     \def\var@thecol@num{2}%
10268     \if@firstcolumn
10269         \def\var@thecol@num{1}%
10270         \@reqcolroom=.5\@pageht
10271         \ht@viper=\@reqcolroom
10272         \advance\@reqcolroom by\ht\@viper
10273         \advance\@reqcolroom by\stripsep
10274     \else
10275         \@reqcolroom=\@colht
10276         \advance\@reqcolroom by\@pageht
10277         \ht@viper.5\@reqcolroom
10278         \@reqcolroom=\ht@viper
10279         \advance\@reqcolroom by\ht\@viper
10280         \advance\@reqcolroom by\stripsep
10281         \global\setbox\@holdpg\vbox{%
10282             \setbox\cuted@@tempbox@a\vbox{%
10283                 \aftergroup\unvbox
10284                 \unvcopy\@leftcolumn
10285                 \unskip\unkern\unpenalty
10286                 \setbox\@tempbox@a\lastbox
10287                 \ifdim\dimexpr\ht\@tempbox+a\wd\@tempbox+a\dp\@tempbox>\z@
10288                     %% keeps lastbox
10289                 \aftergroup\@leftcolumn
10290             \else
10291                 %% removes lastbox
10292             \aftergroup\cuted@@tempbox@a
10293         \fi
10294     }%
10295     \unskip\unkern\unpenalty
10296     \on@stripcols@break
10297     \the\At@ViperColsBreak
10298     \unvbox\@holdpg
10299     }%
10300 \global\At@ViperColsBreak{}}%
10301 \ht@viper=.5\ht\@holdpg
10302 \ifdim\ht@viper>\@colht
10303     \ht@viper=\@colht
10304 \fi
10305 \fi
10306 %%
10307 %% calculations for breaking

```




```

10308 %%
10309 \ifvoid\hold@viper
10310     \ht@hold@viper=\z@
10311 \else
10312     \ht@hold@viper=\ht\hold@viper
10313 \fi
10314 \cuted@@tempdim@b\ht@viper
10315 \set@split@topskip@to\topskip
10316 \loop
10317     \xdef\saved@tempdim@b{\the\cuted@@tempdim@b}%
10318     \setbox\cuted@@varbox@a\copy\@holdpg
10319     \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
10320     %% set leftcolumn boxes
10321     \setbox\cuted@@tempbox@c\vbox{\unvbox\cuted@@tempbox@a}%
10322     \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
10323     \xdef\var@@leftcolumn@badness{\the\badness}%
10324     %% set rightcolumn boxes
10325     \setbox\cuted@@varbox@c\vbox{\unvbox\cuted@@varbox@a}%
10326     \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
10327     \xdef\var@@rightcolumn@badness{\the\badness}%
10328     %% analyzing split goodness
10329     \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
10330     \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
10331     \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
10332     \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
10333     \cuted@@wlog@debug{CUTED [----]}%
10334     ^^JLeft: \the\ht\cuted@@tempbox@c
10335     +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
10336     ^^JRight: \the\ht\cuted@@varbox@c
10337     +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
10338     ^^JSplit: \the\cuted@@tempdim@b
10339     ^^JExtra height: \the\cuted@@tempdim@spread
10340     }%
10341     \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
10342         \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
10343             \cuted@@tempdim@spread=\z@
10344         \fi
10345     \fi
10346 \ifdim\cuted@@tempdim@spread<\z@
10347     \if@left@column@spread
10348         \if@right@column@shrink
10349             \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
10350                 \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
10351             \else
10352                 \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\rel
10353             \fi
10354             \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}
10355             \ifnum\badness<\cuted@@column@badness
10356                 \cuted@@tempdim@b=\cuted@@tempdim@a
10357                 \cuted@@tempdim@spread=\z@
10358             \fi
10359             \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on}
10360             \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c}
10361             \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on}

```



```

10362         \else
10363             \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
10364                 \unvcopy\cuted@@tempbox@c
10365             }%
10366         \ifnum\badness<\cuted@@column@badness
10367             \@tempdimb=\ht\cuted@@varbox@c
10368             \cuted@@tempdim@spread=\z@
10369         \fi
10370         \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\
10371         \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
10372             \unvcopy\cuted@@varbox@c
10373         }%
10374         \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\
10375         \fi
10376     \else
10377         \if@right@column@shrink
10378             \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
10379         \else
10380             \cuted@@tempdim@b=\ht\cuted@@tempbox@c
10381             \cuted@@tempdim@spread=\z@
10382         \fi
10383     \fi
10384 \fi
10385 \else
10386     \ifdim\cuted@@tempdim@spread>\z@
10387     \ifdim\dimexpr\@tempdimb+\p@relax>\@colht
10388     \cuted@@tempdim@b=\@colht
10389     \cuted@@tempdim@spread=\z@
10390 \fi
10391 \fi
10392 \fi
10393 \ifdim\cuted@@tempdim@spread<\z@
10394     \advance\cuted@@tempdim@b 1\p@
10395 \repeat
10396 \wlog{CUTED [- LAST -]}%
10397     ^^JExtra skip:\the\cuted@@tempdim@spread
10398     ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
10399     ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
10400     ^^JSplit: \saved@tempdimb
10401     ^^JOutput:\the\cuted@@tempdim@b
10402     ^^JPageshrink: \the\pageshrink
10403     ^^JPagestretch: \the\pagestretch
10404     ^^J@colht:\the\@colht
10405 }%
10406 %%
10407 %% final construction of the cuted page above strip
10408 %%
10409 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
10410 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
10411     \cuted@@tempdim@a=\dimexpr
10412     \cuted@@tempdim@b-\ht\cuted@@tempbox@c
10413     \relax
10414     \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
10415     \unvbox\cuted@@tempbox@c

```



```

10416     \ifdim\cuted@@tempdim@spread>\dp\strutbox
10417     \else
10418         \vskip-\cuted@@tempdim@spread
10419     \fi
10420     \prevdepth\z@
10421     \hrule\@height\cuted@@page@rule width\textwidth
10422     \vskip-\cuted@@page@rule
10423     \ifdim\cuted@@tempdim@a>\z@
10424         \if@left@column@spread
10425         \else
10426             \vss
10427         \fi
10428     \else
10429         \ifdim\cuted@@tempdim@a<\z@
10430             \if@left@column@shrink
10431             \else
10432                 \vss
10433             \fi
10434         \fi
10435     \fi
10436     }%
10437     \wlog{CUTED [output]: \the\cuted@@tempdim@b
10438     ^^JCUTED [leftcolumn badness]: \number\badness
10439     }%
10440     \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
10441         \cuted@@tempdim@a=\dimexpr
10442             \cuted@@tempdim@b-\ht\@holdpg
10443         \relax
10444     \unvbox\@holdpg
10445     \ifdim\cuted@@tempdim@a>\z@
10446         \if@right@column@spread
10447         \else
10448             \vss
10449         \fi
10450     \else
10451         \ifdim\cuted@@tempdim@a<\z@
10452             \if@right@column@shrink
10453             \else
10454                 \vss
10455             \fi
10456         \fi
10457     \fi
10458     }%
10459     \wlog{CUTED [rightcolumn badness]: \number\badness}%
10460     \setbox\cuted@@tempbox@var\vbox{%
10461         \hb@xt@\textwidth{%
10462             \ifRTLmain
10463                 \hskip \columnwidth
10464                 \hfil
10465                 {\normalcolor\vrule \@width\columnseprule}%
10466                 \hfil
10467                 \hb@xt@\columnwidth{%
10468                     \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10469                 \hss

```



```

10470         }%
10471         \hskip -\textwidth
10472         \hb@xt@\columnwidth{%
10473             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10474             \hss
10475         }%
10476         \hskip \columnsep
10477         \hskip \columnwidth
10478     \else
10479         \hb@xt@\columnwidth{%
10480             \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10481             \hss
10482         }%
10483         \hfil
10484         {\normalcolor\vrule \@width\columnseprule}%
10485         \hfil
10486         \hb@xt@\columnwidth{%
10487             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10488             \hss
10489         }%
10490     \fi
10491 }%
10492 }%
10493 %%
10494 %% finalize cuted page
10495 %%
10496 \ifvoid\hold@viper
10497     \global\setbox\hold@viper\vbox{%
10498         \unvbox\cuted@@tempbox@var
10499         \penalty\interlinepenalty
10500         \vskip\stripsep
10501         \the\preCutedStrip
10502         \ifnum\outputpenalty<-\@Mii
10503             \vskip -\parskip
10504         \fi
10505         \outputpenalty\z@
10506     }%
10507 \else
10508     \global\setbox\hold@viper\vbox{%
10509         \unvbox\hold@viper
10510         \cuted@@tempbox@var
10511         \penalty\interlinepenalty
10512         \vskip\stripsep
10513         \the\preCutedStrip
10514         \ifnum\outputpenalty<-\@Mii
10515             \vskip -\parskip
10516         \fi
10517         \outputpenalty\z@
10518     }%
10519 \fi
10520 \ifdim\@colht>\@reqcolroom
10521     \global\setbox\hold@viper\vbox{%
10522         \unvbox\hold@viper
10523         \box\@viper

```



```

10524         \penalty\interlinepenalty
10525         \the\postCutedStrip
10526         \vskip\stripsep
10527         \ifnum\outputpenalty<-\@Mii
10528             \vskip -\parskip
10529         \fi
10530         \outputpenalty\z@
10531     }%
10532 \@@inserttrue
10533 \global\@firstcolumntrue
10534 \advance\ht@hold@viper by-\ht\hold@viper
10535 \global\advance\@colht by\ht\hold@viper
10536 \ifdim\@colht<2.5\baselineskip
10537     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
10538                             too tall on page \thepage (\var@thecol@num column)}%
10539     \@emptycol
10540     \if@firstcolumn
10541     \else
10542         \@emptycol
10543     \fi
10544     \global\@lastvipertrue
10545 \else
10546     \global\vsiz@\@colht
10547     \global\@colroom\@colht
10548     \check@floats@cuted@@tempdim@a
10549     \ifdim\cuted@@tempdim@a>\z@
10550         \global\advance\@colroom by-\cuted@@tempdim@a
10551     \fi
10552     \ifdim\@colroom<\z@
10553         \global\@colroom1\p@
10554         \ifdim\cuted@@tempdim@a>\@colht
10555             \@latex@warning@no@line{TOP and/or BOT FLOAT's
10556                                     to large on \thepage (\var@thecol@num column)}%
10557         \fi
10558         \@emptycol
10559     \if@firstcolumn
10560     \else
10561         \@emptycol
10562     \fi
10563     \global\@lastvipertrue
10564 \fi
10565 \fi
10566 \fi
10567 \if@insert
10568 \else
10569     \advance\ht@hold@viper by-\ht\hold@viper
10570     \global\advance\@colht by\ht\hold@viper
10571     \global\setbox\hold@viper\ vbox{%
10572         \unvbox\hold@viper
10573         \set@split@topskip@to{\z@ plus2\p@}%
10574         \vsplit\@viper to\@colht
10575         \vss
10576     }%
10577     \vbox{}%

```



```

10578     \global\@firstcolumnfalse
10579     \newpage
10580     \fi
10581     }

```

76 File cvthemebidicasual.sty

```

10582 \NeedsTeXFormat{LaTeX2e}
10583 \ProvidesPackage{cvthemebidicasual}
10584 \DeclareOption{blue}{\fi}
10585 \newif\if@colourorange\@colourorangefalse
10586 \DeclareOption{orange}{\@colourorangefalse}
10587 \newif\if@colourgreen\@colourgreenfalse
10588 \DeclareOption{green}{\@colourgreentrue}
10589 \newif\if@coloured\@colouredfalse
10590 \DeclareOption{red}{\@colouredtrue}
10591 \newif\if@colourgrey\@colourgreyfalse
10592 \DeclareOption{grey}{\@colourgreytrue}
10593 \DeclareOption*{
10594   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
10595 \ExecuteOptions{colour}
10596 \ProcessOptions\relax
10597 \renewcommand*\listitemsymbol{\textbullet}
10598 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
10599 \familynamecolour{808080}
10600 \firstnamecolour{A9A9A9}
10601 \quotecolour{696969}
10602 \addresscolour{696969}
10603 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
10604 \sectiontitlecolour{1E90FF}
10605 \subsectioncolour{4682B4}
10606 \definecolor{rulecolour}{gray}{0.6}
10607 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
10608 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
10609 \if@colourorange
10610   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10611   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10612   \sectiontitlecolour{FF8C00}
10613   \subsectioncolour{FF8C00}
10614   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
10615   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
10616 \if@colourgreen
10617   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10618   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10619   \sectiontitlecolour{008000}
10620   \subsectioncolour{008000}
10621   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
10622   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
10623 \if@coloured
10624   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10625   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10626   \sectiontitlecolour{FF0000}
10627   \subsectioncolour{FF0000}
10628   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}

```



```

10629 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
10630 \if@colourgrey
10631 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10632 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10633 \sectiontitlecolour{808080}
10634 \subsectioncolour{808080}
10635 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
10636 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
10637 \renewcommand*\ttdefault{pcr}
10638 \renewcommand*\firstnamefont{\fontsize{38}{40}\mdseries\upshape}
10639 \renewcommand*\familynamefont{\firstnamefont}
10640 \renewcommand*\addressfont{\normalsize\mdseries\slshape}
10641 \renewcommand*\quoteftfont{\large\slshape}
10642 \renewcommand*\sectionfont{\Large\mdseries\upshape}
10643 \renewcommand*\subsectionfont{\large\mdseries\upshape}
10644 \renewcommand*\maketitle{%
10645   {%
10646     \ifthenelse{\isundefined{\@photo}}{%
10647       {%
10648         {\color{firstnamecolor}\framebox{\includegraphics[width=\photowidth]{\@photo}}}%
10649         \hfill%
10650         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}
10651         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
10652         \ifthenelse{\isundefined{\@quote}}{%
10653           {%
10654             {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\
10655           }%
10656 \newif@if@firstfooterelement\@firstfooterelementtrue
10657 \providecommand*\footersymbol{}
10658 \renewcommand*\footersymbol{%
10659   \if@firstfooterelement%
10660   \else%
10661     { ~\color{footersymbolcolor}\textbullet~~}\fi}
10662 \providecommand*\makefooter{}
10663 \renewcommand*\makefooter{%
10664   \fancyfootstyle{plain}%
10665   \fancyfoot[c]{%
10666     \parbox{0.8\textwidth}{%
10667       \centering%
10668       \addressfont\@addresscolour%
10669       \ifthenelse{\isundefined{\@address}}{}{%
10670         \addresssymbol-\@address\%
10671         \@firstfooterelementfalse}%
10672       \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol-\@mobile\@firstfooterelementfalse}
10673       \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol-\@phone\@firstfooterelementfalse}
10674       \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol-\@fax\@firstfooterelementfalse}
10675       \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol-\emailink{\@email}\@firstfooterelementfalse}
10676       \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}
10677     }%
10678   \pagestyle{plain}}
10679 \AtBeginDocument{\makefooter}

```

77 File cvthemebidiclassic.sty



```

10680 \NeedsTeXFormat{LaTeX2e}
10681 \ProvidesPackage{cvthemebidiclassic}
10682 \DeclareOption{blue}{}
10683 \newif\if@colourorange\@colourorangefalse
10684 \DeclareOption{orange}{\@colourorange>true}
10685 \newif\if@colourgreen\@colourgreenfalse
10686 \DeclareOption{green}{\@colourgreentrue}
10687 \newif\if@colourred\@colourredfalse
10688 \DeclareOption{red}{\@colourredtrue}
10689 \newif\if@colourgrey\@colourgreyfalse
10690 \DeclareOption{grey}{\@colourgreytrue}
10691 \DeclareOption*{
10692   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
10693 \ExecuteOptions{colour}
10694 \ProcessOptions\relax
10695 \renewcommand*{\listitemsymbol}{\textbullet}
10696 \firstnamecolour{}
10697 \familynamecolour{}
10698 \titlecolour{808080}
10699 \quotecolour{696969}
10700 \addresscolour{696969}
10701 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
10702 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
10703 \sectiontitlecolour{1E90FF}
10704 \subsectioncolour{4682B4}
10705 \if@colourorange
10706   \addresscolour{FF8C00}
10707   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10708   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
10709   \sectiontitlecolour{FF8C00}
10710   \subsectioncolour{FF8C00}\fi
10711 \if@colourgreen
10712   \addresscolour{008000}
10713   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10714   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10715   \sectiontitlecolour{008000}
10716   \subsectioncolour{008000}\fi
10717 \if@colourred
10718   \addresscolour{FF0000}
10719   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10720   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10721   \sectiontitlecolour{FF0000}
10722   \subsectioncolour{FF0000}\fi
10723 \if@colourgrey
10724   \addresscolour{808080}
10725   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10726   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10727   \sectiontitlecolour{808080}
10728   \subsectioncolour{808080}\fi
10729 \renewcommand*{\ttdefault}{pcr}
10730 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
10731 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
10732 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10733 \renewcommand*{\familynamefont}{\firstnamefont}

```




```

10734 \renewcommand*{\quotefont}{\large\slshape}
10735 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10736 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10737 \newlength{\maketitlemaxwidth}
10738 \setlength{\maketitlemaxwidth}{.525\textwidth}
10739 \newlength{\maketitlefullwidth}
10740 \settowidth{\maketitlefullwidth}{\firstnamestyle{\@firstname-}\familynamestyle{\@familyname-}}
10741 \newlength{\maketitlewidth}
10742 \ifnum\maketitlemaxwidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}
10743 \newlength{\maketitlepicturewidth}
10744 \setlength{\maketitlepicturewidth}{\@photowidth}
10745 \newlength{\maketitledetailwidth}
10746 \renewcommand*{\recomputethemlengths}{%
10747   \setlength{\maketitledetailwidth}{\textwidth}%
10748   \addtolength{\maketitledetailwidth}{-\maketitlewidth}%
10749   \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
10750   \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
10751 \recomputethemlengths
10752 \newif\if@firstdetailselement\@firstdetailselementtrue
10753 \newcommand*{\maketitledetailsnewline}{%
10754   \if@firstdetailselement%
10755     \@firstdetailselementfalse%
10756   \else%
10757     \[.2em]\fi}
10758 \renewcommand*{\maketitle}{%
10759   % name and title
10760   \begin{minipage}[b]{\maketitlewidth}%
10761     \firstnamestyle{\@firstname-}\familynamestyle{\@familyname-}%
10762     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}{}%
10763   \end{minipage}%
10764   % optional data
10765   \begin{minipage}[b]{\maketitledetailwidth}%
10766     \bidi@raggedleft\addressfont\@addresscolour%
10767     \ifthenelse{\isundefined{\@address}}{\@address}{}%
10768     \maketitledetailsnewline%
10769     \addresssymbol~\@address%
10770     \ifthenelse{\isundefined{\@mobile}}{\@mobile}{}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
10771     \ifthenelse{\isundefined{\@phone}}{\@phone}{}{\maketitledetailsnewline\phonesymbol~\@phone}%
10772     \ifthenelse{\isundefined{\@fax}}{\@fax}{}{\maketitledetailsnewline\faxsymbol~\@fax}%
10773     \ifthenelse{\isundefined{\@email}}{\@email}{}{\maketitledetailsnewline\emailsymbol~\@email}%
10774     \ifthenelse{\isundefined{\@extrainfo}}{\@extrainfo}{}{\maketitledetailsnewline\@extrainfo}%
10775   \end{minipage}%
10776   % optional photo
10777   \ifthenelse{\isundefined{\@photo}}{\@photo}{}%
10778   {}%
10779   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlepicturewidth]{\@photo}}}%
10780   % optional quote
10781   \ifthenelse{\isundefined{\@quote}}{\@quote}{}%
10782   {}%
10783   \centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}%
10784 }

```

78 File dblfnote-xetex-bidi.def



```

10785 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
10786 \let\autofooterule\relax
10787 \let\rightfootnoterule\relax
10788 \let\leftfootnoterule\relax
10789 \let\textwidthfootnoterule\relax
10790 \let\LRfootnoterule\relax
10791 \def\footnoterule{\kern-3\p@
10792   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
10793 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}
10794 \let\@footnotetext\dfn@footnotetext}
10795 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
10796   \let\insert\dfn@gobble
10797   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10798   \def\@makefnmark{\smash{\dfn@makefnmark}}
10799   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10800   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10801   \ifdim\dfn@dima>z@\else
10802     \dfn@dima1sp\relax
10803     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10804   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10805     \ifvoid\dfn@ins\else
10806       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10807     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10808   \setbox\dfn@boxa\copy\dfn@ins
10809   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10810   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10811   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10812   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10813   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10814 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext}
10815 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
10816 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
10817   \let\insert\dfn@gobble
10818   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10819   \def\@makefnmark{\smash{\dfn@makefnmark}}
10820   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10821   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10822   \ifdim\dfn@dima>z@\else
10823     \dfn@dima1sp\relax
10824     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10825   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10826     \ifvoid\dfn@ins\else
10827       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10828     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10829   \setbox\dfn@boxa\copy\dfn@ins
10830   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10831   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10832   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10833   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10834   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10835 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext}
10836 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
10837 \def\dfn@RTLmakecol{\ifvoid\footins\else
10838   \dfn@dima\ht\footins

```



```

10839 \@tempcnta\z@ \dfn@countins
10840 \@tempdima\z@ \let\@elt\dfn@elt@getht
10841 \dfn@list\@nil
10842 \ifdim\@tempdima=\z@\else
10843 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10844 \global\setbox\dfn@ins\box\dfn@ins
10845 \@tempswatruue
10846 \ifdfn@trysingle
10847 \setbox\dfn@boxb\ vbox{\unvcopy\@cclv}\@tempdima\@colroom
10848 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10849 \advance\@tempdima-\skip\footins
10850 \advance\@tempdima-\ht\dfn@boxa
10851 \ifdim\@tempdima<\z@\else \@tempswafalse
10852 \global\setbox\footins\ vbox{\boxmaxdepth\dfn@fnmaxdp
10853 \footnoterule \unvbox\dfn@boxa}\fi\fi
10854 \if@tempswa
10855 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10856 \global\setbox\footins\ vbox{\hbox{%
10857 \hskip \DFNcolumnwidth
10858 \hskip\DFNcolumnsep
10859 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10860 \unvbox\dfn@boxb\vss}\hss}
10861 \hskip -\textwidth
10862 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10863 \vbox to\@tempdima{
10864 \setbox\@tempboxa\ vbox{\footnoterule}
10865 \ifdfn@ruleboth \unvbox\@tempboxa
10866 \else \@tempdima\ht\@tempboxa
10867 \advance\@tempdima\dp\@tempboxa
10868 \vskip\@tempdima
10869 \prevdepth\dp\@tempboxa \fi
10870 \unvbox\dfn@boxa\vss}\fi\hss}
10871 \hskip \DFNcolumnsep
10872 \hskip \DFNcolumnwidth}}\fi\fi
10873 \global\dfn@fnht\z@
10874 \ifx\dfn@list\@empty\else
10875 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10876 \dfn@list \global\advance\dfn@fnht\dfn@dimb
10877 \let\@elt\relax
10878 \ifdim\dfn@dimb>\z@
10879 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10880 \insert\footins{\floatingpenalty\@MM
10881 \vbox to\dfn@dimb{}}\fi
10882 \ifdim\dfn@fnht>\@tempdima
10883 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10884 \global\dfn@fnht\@tempdima
10885 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10886 \xdef\dfn@afteroutput{\insert\footins{
10887 \floatingpenalty\@MM
10888 \vbox to\number\@tempdimb sp{}}}%
10889 \global\let\noexpand\dfn@afteroutput\relax}%
10890 \fi\fi
10891 \fi}%
10892 \let\footnoterule\relax \dfn@latex@makecol

```



```

10893     \let\footnoterule\dfn@footnoterule}
10894 \def\dfn@LTRmakecol{\ifvoid\footins\else
10895     \dfn@dima\ht\footins
10896     \@tempcnta\z@ \dfn@countins
10897     \@tempdima\z@ \let\@elt\dfn@elt@getht
10898     \dfn@list\@nil
10899     \ifdim\@tempdima=\z@\else
10900     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10901     \global\setbox\dfn@ins\box\dfn@ins
10902     \@tempswatrue
10903     \ifdfn@trysingle
10904         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10905         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10906         \advance\@tempdima-\skip\footins
10907         \advance\@tempdima-\ht\dfn@boxa
10908         \ifdim\@tempdima<\z@\else \@tempswafalse
10909             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10910                 \footnoterule \unvbox\dfn@boxa}\fi\fi
10911     \if@tempswa
10912     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10913     \global\setbox\footins\vbox{\hbox{%
10914         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10915             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
10916         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10917             \vbox to\@tempdima{
10918                 \setbox\@tempboxa\vbox{\footnoterule}
10919                 \ifdfn@ruleboth \unvbox\@tempboxa
10920                 \else \@tempdima\ht\@tempboxa
10921                     \advance\@tempdima\dp\@tempboxa
10922                     \vskip\@tempdima
10923                     \prevdepth\dp\@tempboxa \fi
10924                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
10925     \global\dfn@fnht\z@
10926     \ifx\dfn@list\@empty\else
10927         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10928         \dfn@list \global\advance\dfn@fnht\dfn@dimb
10929         \let\@elt\relax
10930         \ifdim\dfn@dimb>\z@
10931             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10932             \insert\footins{\floatingpenalty\@MM
10933                 \vbox to\dfn@dimb{}}\fi
10934         \ifdim\dfn@fnht>\@tempdima
10935             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10936             \global\dfn@fnht\@tempdima
10937             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10938             \xdef\dfn@afteroutput{\insert\footins{
10939                 \floatingpenalty\@MM
10940                 \vbox to\number\@tempdimb sp{}}}%
10941             \global\let\noexpand\dfn@afteroutput\relax}%
10942         \fi\fi
10943     \fi}%
10944     \let\footnoterule\relax \dfn@latex@makecol
10945     \let\footnoterule\dfn@footnoterule}
10946 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}

```



```

10947 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
10948 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
10949 \DFNalwaysdouble

```

79 File diagbox-xetex-bidi.def

```

10950 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package
10951 \bidi@patchcmd{\diagbox@double}{%
10952   \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10953 }{\bidi@@diagbox@double@ii}{-}{}
10954 \bidi@patchcmd{\diagbox@double}{%
10955   \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
10956 }{\bidi@@diagbox@double@iii}{-}{}
10957 \newcommand*{\bidi@@diagbox@double@ii}{%
10958   \if@RTL
10959     \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}
10960   \else
10961     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10962   \fi
10963 }
10964 \newcommand*{\bidi@@diagbox@double@iii}{%
10965   \if@RTL
10966     \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}}
10967   \else
10968     \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
10969   \fi
10970 }
10971 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10972   \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10973 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{}
10974 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10975   \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10976 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{}
10977 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10978   \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
10979 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{}
10980 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
10981   \if@RTL
10982     \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}
10983   \else
10984     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10985   \fi}
10986 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
10987   \if@RTL
10988     \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}}
10989   \else
10990     \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
10991   \fi}
10992 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
10993 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10994   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
10995 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{}
10996 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10997   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%

```



```

10998 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
10999 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11000   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
11001 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11002 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
11003   \if@RTL
11004     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}}
11005   \else
11006     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
11007   \fi
11008 }
11009 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
11010   \if@RTL
11011     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
11012   \else
11013     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}
11014   \fi
11015 }
11016 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
11017 \bidi@patchcmd{\diagbox@double@pict@SE}{%
11018   \diagbox@setlinecolor
11019   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
11020 }{%
11021   {\diagbox@setlinecolor
11022   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
11023 }{-}{-}
11024 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
11025 \bidi@patchcmd{\diagbox@double@pict@NE}{%
11026   \diagbox@setlinecolor
11027   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
11028 }{%
11029   {\diagbox@setlinecolor
11030   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
11031 }{-}{-}
11032 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
11033 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
11034   \diagbox@setlinecolor
11035   \Line(0,\yym)(\x,0)
11036   \Line(\xm,\y)(\x,0)%
11037 }{%
11038   {\diagbox@setlinecolor
11039   \Line(0,\yym)(\x,0)
11040   \Line(\xm,\y)(\x,0)}%
11041 }{-}{-}
11042 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
11043   \diagbox@setlinecolor
11044   \Line(0,0)(\xxm,\y)
11045   \Line(0,0)(\x,\yym)%
11046 }{%
11047   {\diagbox@setlinecolor
11048   \Line(0,0)(\xxm,\y)
11049   \Line(0,0)(\x,\yym)}%
11050 }{-}{-}
11051 \bidi@patchcmd{\diagbox@triple@pict@SW}{%

```



```

11052 \diagbox@setlinecolor
11053 \Line(0,\ym)(\x,\y)
11054 \Line(\xm,0)(\x,\y)%
11055 }{%
11056 {\diagbox@setlinecolor
11057 \Line(0,\ym)(\x,\y)
11058 \Line(\xm,0)(\x,\y)}%
11059 }-{}
11060 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
11061 \diagbox@setlinecolor
11062 \Line(0,\y)(\xxm,0)
11063 \Line(0,\y)(\x,\ym)%
11064 }{%
11065 {\diagbox@setlinecolor
11066 \Line(0,\y)(\xxm,0)
11067 \Line(0,\y)(\x,\ym)}%
11068 }-{}

```

80 File draftwatermark-xetex-bidi.def

```

11069 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
11070 \renewcommand\SetWatermarkText[1]{%
11071 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

81 File eso-pic-xetex-bidi.def

```

11072 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package]
11073 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
11074 \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}}
11075
11076 \ESO@isMEMOIR{%
11077 \renewcommand\AtTextUpperLeft[1]{%
11078 \begingroup
11079 \ifodd\c@page
11080 \if@RTLmain
11081 \ESO@tempdima=\paperwidth
11082 \advance\ESO@tempdima-\textwidth
11083 \advance\ESO@tempdima-\spinemargin
11084 \else
11085 \ESO@tempdima=\spinemargin
11086 \fi
11087 \else
11088 \if@RTLmain
11089 \ESO@tempdima=\spinemargin
11090 \else
11091 \ESO@tempdima=\paperwidth
11092 \advance\ESO@tempdima-\textwidth
11093 \advance\ESO@tempdima-\spinemargin
11094 \fi
11095 \fi
11096 \ESO@tempdimb=-\uppermargin
11097 \AtPageUpperLeft{%
11098 \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11099 }%

```



```

11100 \endgroup
11101 }
11102 }{%
11103 \renewcommand\AtTextUpperLeft[1]{%
11104 \begingroup
11105 \ESO@tempdima=1in\relax
11106 \if@twoside
11107 \ifodd\c@page
11108 \if@RTLmain
11109 \advance\ESO@tempdima\evensidemargin
11110 \else
11111 \advance\ESO@tempdima\oddsidemargin
11112 \fi
11113 \else
11114 \if@RTLmain
11115 \advance\ESO@tempdima\oddsidemargin
11116 \else
11117 \advance\ESO@tempdima\evensidemargin
11118 \fi
11119 \fi
11120 \else
11121 \advance\ESO@tempdima\oddsidemargin
11122 \fi
11123 \ESO@tempdimb=-1in\relax
11124 \advance\ESO@tempdimb-\topmargin
11125 \advance\ESO@tempdimb-\headheight
11126 \advance\ESO@tempdimb-\headsep
11127 \AtPageUpperLeft{%
11128 \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11129 }%
11130 \endgroup
11131 }
11132 }

```

82 File empheq-xetex-bidi.def

```

11133 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package fo
11134 \MHInternalSyntaxOn
11135 \def\EQ_tag_plus_endmark:{%
11136 \iftagsleft@
11137 \gdef\maketag@@@##1{%
11138 \hfuzz\displaywidth
11139 \if@RTL\makebox[\widthof{##1}][r]{%
11140 \hbox to \displaywidth{\m@th\normalfont##1\hss
11141 \raisebox{-\dp\EQ_mathdisplay_box
11142 -\depthof{\EQ_outerbox:}}{
11143 {\PotEndMark{\hss}}}}
11144 \else\makebox[\widthof{##1}][l]{%
11145 \hbox to \displaywidth{\m@th\normalfont##1\hss
11146 \raisebox{-\dp\EQ_mathdisplay_box
11147 -\depthof{\EQ_outerbox:}}{
11148 {\PotEndMark{\hss}}}}\fi}%
11149 \MH_else:
11150 \gdef\maketag@@@##1{%

```




```

11151 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
11152 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
11153 \MH_addtolength:dn \@tempdima
11154 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
11155 \setlength{\@tempdimb}
11156 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
11157 +\depthof{\EQ_innerbox:}}
11158 \MH_if_dim:w \@tempdima>\@tempdimb
11159 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
11160 -\@tempdima+\g_EQ_bottomrow_depth_dim}
11161 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
11162 \def\EQ_next:{\raisebox{\@tempdima}}%
11163 \MH_else:
11164 \def\EQ_next:{
11165 \raisebox{-\dp\EQ_mathdisplay_box
11166 -\depthof{\EQ_outerbox:}}}%
11167 \MH_fi:\EQ_next:}}}%
11168 \MH_fi:}
11169 \def\EQ_post_process:{%
11170 \EQ_initialize:
11171 \EQ_begin_equation:
11172 \MH_if_boolean:nT {outer_mult}{
11173 \setkeys{\MT_options_name:}{
11174 firstline-afterskip=Opt,
11175 lastline-preskip=Opt,
11176 multlined-width=Opt,
11177 }
11178 \ifodd \l_EQ_alignmentmode_int
11179 \setkeys{\MT_options_name:}{multlined-pos=b}
11180 \MH_else:
11181 \setkeys{\MT_options_name:}{multlined-pos=t}
11182 \MH_fi:
11183 \g@addto@macro\EQ_complete_mathdisplay:{
11184 \begin{MTmultlined}\relax}
11185 }
11186 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
11187 \MH_if_boolean:nT {outer_mult}{
11188 \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
11189 }
11190 \EQ_end_equation:
11191 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
11192 \savecounters@
11193 \EQ_typeset_tags:
11194 \edef\l_EQ_equation_fint{\number\c@equation}
11195 \restorecounters@
11196 \Hy@linkcounter=\EQ_hyperref_link_fint
11197 \settowidth\l_EQ_totalwidth_dim{%
11198 $\EQ_left_side:\EQ_innerbox:}\EQ_right_side:$}%
11199 \MH_if_boolean:nTF {outer_mult}
12000 { \def\EQ_next:{_mult} }
12001 { \def\EQ_next:{} }
12002 \@nameuse{EQ_modify_linewidth_
12003 \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
12004 \EQ_typeset_display:

```



```

11205 \@nameuse{EQ_find_displaywidth_
11206     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11207 \MH_addtolength:dn
11208     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
11209 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
11210     $\EQ_left_side:
11211     \EQ_innerbox:{%
11212         \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
11213         \makebox[\l_EQ_displaywidth_dim][c]
11214         {\usebox{\EQ_mathdisplay_box}}%
11215     \MH_or:
11216         \makebox[\l_EQ_displaywidth_dim][c]
11217         {\usebox{\EQ_mathdisplay_box}}%
11218     \MH_or:
11219     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11220         \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11221         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11222         \kern-\@mathmargin
11223         \MH_fi:
11224         \MH_fi:
11225         \usebox{\EQ_mathdisplay_box}}%
11226     \else\makebox[\l_EQ_displaywidth_dim][l]{%
11227         \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11228         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11229         \kern-\@mathmargin
11230         \MH_fi:
11231         \MH_fi:
11232         \usebox{\EQ_mathdisplay_box}}\fi%
11233     \MH_or:
11234     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11235         \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11236         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11237         \kern-\@mathmargin
11238         \MH_fi:
11239         \MH_fi:
11240         \usebox{\EQ_mathdisplay_box}}
11241     \else\makebox[\l_EQ_displaywidth_dim][l]{%
11242         \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11243         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11244         \kern-\@mathmargin
11245         \MH_fi:
11246         \MH_fi:
11247         \usebox{\EQ_mathdisplay_box}}\fi%
11248     \MH_fi:}%
11249     \EQ_right_side:$}%
11250 \begin{AmSequation*}
11251 \@nameuse{EQ_place_display_
11252     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11253 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
11254 \MH_set_boolean_T:n {show_manual_tags}
11255 \MH_if_case:w \l_EQ_alignmentmode_int
11256 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
11257 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
11258 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3

```



```

11259 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %4
11260 \MH_fi:
11261 \MH_fi:
11262 \end{AmSequation*}
11263 \global\c@equation=\l_EQ_equation_fint\relax
11264 }
11265 \AtBeginDocument{%
11266 \@ifpackageloaded{fancybox}{%
11267 \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
11268 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
11269 \renewcommand*\shadowbox{%
11270 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
11271 \VerbBox\EQ_shadowbox:n}
11272 {\MH_set_boolean_F:n {shadowbox_star}
11273 \VerbBox\EQ_shadowbox:n}}
11274 \def\EQ_shadowbox:n #1{%
11275 \sbox{z@}{\fbox{#1}}%
11276 \MH_if_boolean:nTF {shadowbox_star}{
11277 \MH_setlength:dn \@tempdima{z@}%
11278 }{
11279 \MH_setlength:dn \@tempdima{\dp z@+\shadowsize}%
11280 }
11281 \raisebox{\@tempdima}{%
11282 \if@RTL\makebox[z@][r]{%
11283 \kern\shadowsize \textcolor{shadowcolor}{%
11284 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}%
11285 }%
11286 \else\makebox[z@][l]{%
11287 \kern\shadowsize \textcolor{shadowcolor}{%
11288 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}%
11289 }\fi%
11290 \usebox z@\textcolor{shadowcolor}{%
11291 \rule[-\dp z@-\shadowsize]{\shadowsize}{\ht z@+\dp z@}}}%
11292 }{}}%
11293 }
11294 \MHInternalSyntaxOff

```

83 File extarticle-xetex-bidi.def

```

11295 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cl
11296 \renewcommand*\l@section[2]{%
11297 \ifnum \c@tocdepth >z@
11298 \addpenalty\@secpenalty
11299 \addvspace{1.0em \@plus\p@}%
11300 \setlength\@tempdima{1.5em}%
11301 \begingroup
11302 \parindent z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11303 \parfillskip -\@pnumwidth
11304 \leavevmode \bfseries
11305 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
11306 \hskip -\if@RTL\rightskip\else\leftskip\fi
11307 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
11308 \endgroup
11309 \fi}

```



```

11310 \renewcommand*\l@part[2]{%
11311 \ifnum \c@tocdepth >-2\relax
11312 \addpenalty\@secpenalty
11313 \addvspace{2.25em \@plus\p@}%
11314 \begingroup
11315 \setlength\@tempdima{3em}%
11316 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11317 \parfillskip -\@pnumwidth
11318 {\leavevmode
11319 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11320 \nobreak
11321 \endgroup
11322 \fi}
11323 \def\@part[#1]#2{%
11324 \ifnum \c@secnumdepth >\m@ne
11325 \refstepcounter{part}%
11326 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
11327 \else
11328 \addcontentsline{toc}{part}{#1}%
11329 \fi
11330 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11331 \interlinepenalty \@M
11332 \normalfont
11333 \ifnum \c@secnumdepth >\m@ne
11334 \Large\bfseries \partname-\thepart
11335 \par\nobreak
11336 \fi
11337 \huge \bfseries #2%
11338 \markboth{}{}\par}%
11339 \nobreak
11340 \vskip 3ex
11341 \@afterheading}
11342 \def\@spart#1{%
11343 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11344 \interlinepenalty \@M
11345 \normalfont
11346 \huge \bfseries #1\par}%
11347 \nobreak
11348 \vskip 3ex
11349 \@afterheading}
11350 \renewenvironment{thebibliography}[1]
11351 {\section*{\refname
11352 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
11353 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11354 \bidi@thebibliography@font@hook%
11355 \list{\@biblabel{\@arabic\c@enumiv}}%
11356 {\settowidth\labelwidth{\@biblabel{#1}}%
11357 \leftmargin\labelwidth
11358 \advance\leftmargin\labelsep
11359 \@openbib@code
11360 \usecounter{enumiv}%
11361 \let\p@enumiv\@empty
11362 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11363 \sloppy\clubpenalty4000\widowpenalty4000%

```



```

11364     \sfcode`. \. \@m}
11365     {\def\@noitemerr
11366       {\@latex@warning{Empty `thebibliography' environment}}}%
11367     \endlist}
11368 \renewcommand\left@footnoterule{%
11369   \kern-3\p@
11370   \hrule\@width.4\columnwidth
11371   \kern2.6\p@}
11372 \renewcommand\right@footnoterule{%
11373   \kern-3\p@
11374   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11375   \kern2.6\p@}
11376   \if@titlepage
11377   \renewcommand\maketitle{\begin{titlepage}%
11378     \let\footnotesize\small
11379     \let\right@footnoterule\relax
11380     \let\left@footnoterule\relax
11381     \let\textwidth@footnoterule\relax
11382     \let \footnote \thanks
11383     \null\vfil
11384     \vskip 60\p@
11385     \begin{center}%
11386       {\LARGE \@title \par}%
11387       \vskip 3em%
11388       {\large
11389         \lineskip .75em%
11390         \begin{tabular}[t]{c}%
11391           \@author
11392         \end{tabular}\par}%
11393         \vskip 1.5em%
11394         {\large \@date \par}%           % Set date in \large size.
11395     \end{center}\par
11396     \@thanks
11397     \vfil\null
11398     \end{titlepage}%
11399     \setcounter{footnote}{0}%
11400     \global\let\thanks\relax
11401     \global\let\maketitle\relax
11402     \global\let\@thanks\@empty
11403     \global\let\@author\@empty
11404     \global\let\@date\@empty
11405     \global\let\@title\@empty
11406     \global\let\title\relax
11407     \global\let\author\relax
11408     \global\let\date\relax
11409     \global\let\and\relax
11410   }
11411 \else
11412 \renewcommand\maketitle{\par
11413   \begingroup
11414     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11415     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11416     \long\def\@makefntext##1{\parindent 1em\noindent
11417       \hb@xt@1.8em{%

```



```

11418         \hss\@textsuperscript{\normalfont\@thefnmark}##1}%
11419     \if@twocolumn
11420         \ifnum \col@number=\@ne
11421             \@maketitle
11422         \else
11423             \twocolumn[\@maketitle]%
11424         \fi
11425     \else
11426         \newpage
11427         \global\@topnum\z@    % Prevents figures from going at top of page.
11428         \@maketitle
11429         \fi
11430         \thispagestyle{plain}\@thanks
11431     \endgroup
11432     \setcounter{footnote}{0}%
11433     \global\let\thanks\relax
11434     \global\let\maketitle\relax
11435     \global\let\@maketitle\relax
11436     \global\let\@thanks\@empty
11437     \global\let\@author\@empty
11438     \global\let\@date\@empty
11439     \global\let\@title\@empty
11440     \global\let\title\relax
11441     \global\let\author\relax
11442     \global\let\date\relax
11443     \global\let\and\relax
11444 }
11445 \def\@maketitle{%
11446     \newpage
11447     \null
11448     \vskip 2em%
11449     \begin{center}%
11450     \let \footnote \thanks
11451         {\LARGE \@title \par}%
11452         \vskip 1.5em%
11453         {\large
11454             \lineskip .5em%
11455             \begin{tabular}[t]{c}%
11456                 \@author
11457             \end{tabular}\par}%
11458         \vskip 1em%
11459         {\large \@date}%
11460     \end{center}%
11461     \par
11462     \vskip 1.5em}
11463 \fi
11464 \renewcommand\thesubsection    {\thesection\@SepMark\@arabic\c@subsection}
11465 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11466 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11467 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

84 File extbook-xetex-bidi.def

```

11468 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class fo

```



```

11469 \if@titlepage
11470 \renewcommand\maketitle{\begin{titlepage}%
11471 \let\footnotesize\small
11472 \let\right@footnoterule\relax
11473 \let\left@footnoterule\relax
11474 \let\textwidth@footnoterule\relax
11475 \let \footnote \thanks
11476 \let \LTRfootnote \LTRthanks
11477 \let \RTLfootnote \RTLthanks
11478 \null\vfil
11479 \vskip 60\p@
11480 \begin{center}%
11481 {\LARGE \@title \par}%
11482 \vskip 3em%
11483 {\large
11484 \lineskip .75em%
11485 \begin{tabular}[t]{c}%
11486 \@author
11487 \end{tabular}\par}%
11488 \vskip 1.5em%
11489 {\large \@date \par}% % Set date in \large size.
11490 \end{center}\par
11491 \@thanks
11492 \vfil\null
11493 \end{titlepage}%
11494 \setcounter{footnote}{0}%
11495 \global\let\thanks\relax
11496 \global\let\LTRthanks\relax
11497 \global\let\RTLthanks\relax
11498 \global\let\maketitle\relax
11499 \global\let\@thanks\@empty
11500 \global\let\@author\@empty
11501 \global\let\@date\@empty
11502 \global\let\@title\@empty
11503 \global\let\title\relax
11504 \global\let\author\relax
11505 \global\let\date\relax
11506 \global\let\and\relax
11507 }
11508 \else
11509 \renewcommand\maketitle{\par
11510 \begingroup
11511 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11512 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11513 \long\def\@makefntext##1{\parindent 1em\noindent
11514 \hb@xt@1.8em{%
11515 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11516 \if@twocolumn
11517 \ifnum \col@number=\@ne
11518 \maketitle
11519 \else
11520 \twocolumn[\maketitle]%
11521 \fi
11522 \else

```



```

11523     \newpage
11524     \global\@topnum\z@    % Prevents figures from going at top of page.
11525     \@maketitle
11526     \fi
11527     \thispagestyle{plain}\@thanks
11528   \endgroup
11529   \setcounter{footnote}{0}%
11530   \global\let\thanks\relax
11531   \global\let\LTRthanks\relax
11532   \global\let\RTLthanks\relax
11533   \global\let\maketitle\relax
11534   \global\let\@maketitle\relax
11535   \global\let\@thanks\@empty
11536   \global\let\@author\@empty
11537   \global\let\@date\@empty
11538   \global\let\@title\@empty
11539   \global\let\title\relax
11540   \global\let\author\relax
11541   \global\let\date\relax
11542   \global\let\and\relax
11543 }
11544 \def\@maketitle{%
11545   \newpage
11546   \null
11547   \vskip 2em%
11548   \begin{center}%
11549     \let \footnote \thanks
11550     \let \LTRfootnote \LTRthanks
11551     \let \RTLfootnote \RTLthanks
11552     {\LARGE \@title \par}%
11553     \vskip 1.5em%
11554     {\large
11555       \lineskip .5em%
11556       \begin{tabular}[t]{c}%
11557         \@author
11558       \end{tabular}\par}%
11559     \vskip 1em%
11560     {\large \@date}%
11561   \end{center}%
11562   \par
11563   \vskip 1.5em}
11564 \fi
11565 \renewcommand*\l@part[2]{%
11566   \ifnum \c@tocdepth >-2\relax
11567     \addpenalty{-\@highpenalty}%
11568     \addvspace{2.25em \@plus\p@}%
11569     \begingroup
11570     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11571     \parfillskip -\@pnumwidth
11572     {\leavevmode
11573       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11574     \nobreak
11575     \global\@nobreaktrue
11576     \everypar{\global\@nobreakfalse\everypar{}}%

```




```

11577 \endgroup
11578 \fi}
11579 \renewcommand\theequation
11580 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11581 \renewcommand \thefigure
11582 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11583 \renewcommand \thetable
11584 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11585 \renewcommand \thechapter {\@arabic\c@chapter}
11586 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11587 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11588 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11589 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11590 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
11591 \def\@makechapterhead#1{%
11592 \vspace*{50\p@}%
11593 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
11594 \ifnum \c@secnumdepth >\m@ne
11595 \if@mainmatter
11596 \huge\bfseries \@chapapp\space \thechapter
11597 \par\nobreak
11598 \vskip 20\p@
11599 \fi
11600 \fi
11601 \interlinepenalty\@M
11602 \Huge \bfseries #1\par\nobreak
11603 \vskip 40\p@
11604 }}
11605
11606 \def\@makeschapterhead#1{%
11607 \vspace*{50\p@}%
11608 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11609 \normalfont
11610 \interlinepenalty\@M
11611 \Huge \bfseries #1\par\nobreak
11612 \vskip 40\p@
11613 }}
11614 \renewcommand\backmatter{%
11615 \if@openright
11616 \cleardoublepage
11617 \else
11618 \clearpage
11619 \fi
11620 \@mainmatterfalse}
11621 \renewenvironment{thebibliography}[1]
11622 {\chapter*{\bibname
11623 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
11624 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11625 \bidi@thebibliography@font@hook%
11626 \list{\@biblabel{\@arabic\c@enumiv}}%
11627 {\settowidth\labelwidth{\@biblabel{#1}}%
11628 \leftmargin\labelwidth
11629 \advance\leftmargin\labelsep
11630 \@openbib@code

```



```

11631         \usecounter{enumiv}%
11632         \let\p@enumiv\@empty
11633         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11634     \sloppy
11635     \clubpenalty4000
11636     \@clubpenalty \clubpenalty
11637     \widowpenalty4000%
11638     \sfcode`. \. \@m}
11639     {\def\@noitemerr
11640       {\@latex@warning{Empty `thebibliography' environment}}}%
11641     \endlist}

```

85 File extletter-xetex-bidi.def

```

11642 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter clas
11643 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
11644   \thispagestyle{firstpage}%
11645   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
11646   \else % home address
11647     \thispagestyle{empty}%
11648     {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignor
11649       \fromaddress \*[2\parskip]%
11650       \@date \end{tabular}\par}%
11651   \fi
11652   \vspace{2\parskip}%
11653   {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
11654   \vspace{2\parskip}%
11655   #1\par\nobreak}
11656 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
11657   \stopbreaks
11658   \noindent
11659   \ifx\@empty\fromaddress\else
11660     \hspace*{\longindentation}\fi
11661     \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
11662       \ignorespaces #1\ [6\medskipamount]%
11663       \ifx\@empty\fromsig
11664         \fromname
11665       \else \fromsig \fi\strut}%
11666   \par}
11667 \renewcommand\left@footnoterule{%
11668   \kern-\p@
11669   \hrule \@width .4\columnwidth
11670   \kern .6\p@}
11671 \renewcommand\right@footnoterule{%
11672   \kern-\p@
11673   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11674   \kern .6\p@}

```

86 File extrafootnotefeatures-xetex-bidi.def

```

11675 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2023/08/02 v2.6 bidi extra footnote fea
11676 \newdimen\bidi@columnwidth
11677 \def\bidi@floathook{%
11678   \bidi@columnwidth\columnwidth

```



```

11679 }
11680 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{-%
11681 \if@bidi@csundef{ifHy@hyperfootnotes}{}{-%
11682 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{-%
11683 \ifHy@hyperfootnotes
11684 \let\@H@footnotetext\@footnotetext
11685 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
11686 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
11687 \let\@H@mpfootnotetext\@mpfootnotetext
11688 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11689 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11690 \fi
11691 }%
11692 }%
11693 }
11694 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{-%
11695 \if@bidi@csundef{ifHy@hyperfootnotes}{}{-%
11696 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{-%
11697 \ifHy@hyperfootnotes
11698 \let\H@footnotetext\@footnotetext
11699 \let\@footnotetext\@H@footnotetext
11700 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11701 \let\@LTRfootnotetext\@HLTR@LTRfootnotetext
11702 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11703 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
11704 \let\H@mpfootnotetext\@mpfootnotetext
11705 \let\@mpfootnotetext\@H@mpfootnotetext
11706 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11707 \let\@mpLTRfootnotetext\@HLTR@mpLTRfootnotetext
11708 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11709 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
11710 \fi
11711 }%
11712 }%
11713 }
11714 \let\autofooterule\relax
11715 \let\rightfootnoterule\relax
11716 \let\leftfootnoterule\relax
11717 \let\textwidthfootnoterule\relax
11718 \let\LRfootnoterule\relax
11719 \def\footnoterule{\kern-3\p@
11720 \hrule \@width \columnwidth \kern 2.6\p@}
11721 \newcommand{\@preamnormalfmt}{-%
11722 \parindent 1em%
11723 \noindent
11724 }
11725 \newcommand{\@normalfootfmt}[1]{-%
11726 \@preamnormalfmt
11727 \footfootmark
11728 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
11729 \@finalstrut\strutbox
11730 }
11731 \newcommand{\@normalRTLfootfmt}[1]{-%
11732 \@preamnormalfmt

```



```

11733 \RTLfootfootmark
11734 \rule{z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
11735 \@finalstrut\strutbox
11736 }
11737 \newcommand{\@normalLTRfootfmt}[1]{%
11738 \@preamnormalfmt
11739 \LTRfootfootmark
11740 \rule{z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
11741 \@finalstrut\strutbox
11742 }
11743 \renewcommand{\@footnotetext}[1]{%
11744 \insert\footins{%
11745 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11746 \def\baselinestretch{\m@m@footnote@spacing}%
11747 \reset@font
11748 \foottextfont
11749 \@preamfntext
11750 \hsize\columnwidth
11751 \protected@edef\@currentlabel{%
11752 \csname p@footnote\endcsname\@thefnmark}%
11753 \color@begingroup
11754 \@normalfootfmt{#1}%
11755 \color@endgroup}%
11756 \m@mmf@prepare}
11757 \newcommand{\bidi@bidiold@footnotetext}[1]{%
11758 \bidi@step@absolute@footnote@count
11759 \bidi@reinsert@footnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
11760 \insert\footins{%
11761 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11762 \def\baselinestretch{\m@m@footnote@spacing}%
11763 \reset@font
11764 \foottextfont
11765 \@preamfntext
11766 \hsize\columnwidth
11767 \protected@edef\@currentlabel{%
11768 \csname p@footnote\endcsname\@thefnmark}%
11769 \color@begingroup
11770 \@normalfootfmt{#1}%
11771 \color@endgroup}%
11772 \m@mmf@prepare
11773 }
11774 \renewcommand{\@RTLfootnotetext}[1]{%
11775 \insert\footins{%
11776 \@RTLtrue%
11777 \def\baselinestretch{\m@m@footnote@spacing}%
11778 \reset@font
11779 \RTLfoottextfont
11780 \@preamfntext
11781 \hsize\columnwidth
11782 \protected@edef\@currentlabel{%
11783 \csname p@footnote\endcsname\@thefnmark}%
11784 \color@begingroup
11785 \@normalRTLfootfmt{#1}%
11786 \color@endgroup}%

```



```

11787     \m@mmf@prepare}
11788 \newcommand{\bidi@bidiold@RTLfootnotetext}[1]{%
11789   \bidi@step@absolute@footnote@count
11790   \bidi@reinsert@footnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
11791   \insert\footins{%
11792     \RTLtrue%
11793     \def\baselinestretch{\m@m@footnote@spacing}%
11794     \reset@font
11795     \RTLfoottextfont
11796     \@preamftext
11797     \hsize\columnwidth
11798     \protected@edef\@currentlabel{%
11799       \csname p@footnote\endcsname\@thefnmark}%
11800     \color@begingroup
11801     \@normalRTLfootfmt{#1}%
11802     \color@endgroup}%
11803     \m@mmf@prepare
11804 }
11805 \renewcommand{\@LTRfootnotetext}[1]{%
11806   \insert\footins{%
11807     \RTLfalse%
11808     \def\baselinestretch{\m@m@footnote@spacing}%
11809     \reset@font
11810     \LTRfoottextfont
11811     \@preamftext
11812     \hsize\columnwidth
11813     \protected@edef\@currentlabel{%
11814       \csname p@footnote\endcsname\@thefnmark}%
11815     \color@begingroup
11816     \@normalLTRfootfmt{#1}%
11817     \color@endgroup}%
11818     \m@mmf@prepare}
11819 \renewcommand{\@mpfootnotetext}[1]{%
11820   \global\setbox\@mpfootins\vbox{%
11821     \unvbox\@mpfootins
11822     \ifRTL@footnote\RTLtrue\else\RTLfalse\fi
11823     \def\baselinestretch{\m@m@footnote@spacing}%
11824     \reset@font%
11825     \foottextfont \hsize\columnwidth \@parboxrestore
11826     \protected@edef\@currentlabel{%
11827       \csname p@mpfootnote\endcsname\@thefnmark}%
11828     \color@begingroup
11829     \@normalfootfmt{#1}%
11830     \color@endgroup}}
11831 \newcommand{\bidi@bidiold@mpfootnotetext}[1]{%
11832   \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
11833   \global\setbox\@mpfootins\vbox{%
11834     \unvbox\@mpfootins
11835     \ifRTL@footnote\RTLtrue\else\RTLfalse\fi%
11836     \def\baselinestretch{\m@m@footnote@spacing}%
11837     \reset@font%
11838     \foottextfont \hsize\columnwidth \@parboxrestore
11839     \protected@edef\@currentlabel{%
11840       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

11841 \color@begingroup
11842 \normalfootfmt{#1}%
11843 \color@endgroup}}
11844 \renewcommand{\@mpLTRfootnotetext}[1]{%
11845 \global\setbox\@mpfootins\vbox{%
11846 \unvbox\@mpfootins
11847 \RTLfalse
11848 \def\baselinestretch{\m@footnote@spacing}%
11849 \reset@font%
11850 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
11851 \protected@edef\@currentlabel{%
11852 \csname p@mpfootnote\endcsname\@thefnmark}%
11853 \color@begingroup
11854 \normalLTRfootfmt{#1}%
11855 \color@endgroup}}
11856 \renewcommand{\@mpRTLfootnotetext}[1]{%
11857 \global\setbox\@mpfootins\vbox{%
11858 \unvbox\@mpfootins
11859 \RTLtrue
11860 \def\baselinestretch{\m@footnote@spacing}%
11861 \reset@font%
11862 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11863 \protected@edef\@currentlabel{%
11864 \csname p@mpfootnote\endcsname\@thefnmark}%
11865 \color@begingroup
11866 \normalRTLfootfmt{#1}%
11867 \color@endgroup}}
11868 \newcommand{\bidi@bidiold@mpRTLfootnotetext}[1]{%
11869 \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
11870 \global\setbox\@mpfootins\vbox{%
11871 \unvbox\@mpfootins
11872 \RTLtrue
11873 \def\baselinestretch{\m@footnote@spacing}%
11874 \reset@font%
11875 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11876 \protected@edef\@currentlabel{%
11877 \csname p@mpfootnote\endcsname\@thefnmark}%
11878 \color@begingroup
11879 \normalRTLfootfmt{#1}%
11880 \color@endgroup}}
11881 \let\m@mold@footnotetext\@footnotetext
11882 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
11883 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
11884 \let\m@mold@mpfootnotetext\@mpfootnotetext
11885 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
11886 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
11887 \bidi@ensure@newcommand{\normalfootnotes}{%
11888 \@bidi@before@Hy@hyperfootnotes
11889 \let\@footnotetext\m@mold@footnotetext
11890 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
11891 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
11892 \let\@mpfootnotetext\m@mold@mpfootnotetext
11893 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
11894 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext

```



```

11895 \@bidi@after@Hy@hyperfootnotes
11896 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11897 }
11898 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{
11899 \bidi@ensure@newcommand*\setSingleSpace}[1]{%
11900 \def\m@m@singlespace{#1}%
11901 \def\m@m@footnote@spacing{#1}%
11902 \def\m@m@float@spacing{#1} %
11903 }
11904 \setSingleSpace{1}
11905 \bidi@ensure@newcommand*\multiplefootnotemarker}{3sp}
11906 \bidi@ensure@newcommand*\m@mmf@prepare}{%
11907 \kern-\multiplefootnotemarker
11908 \kern\multiplefootnotemarker\relax}
11909 \bidi@ensure@newlength{\footmarkwidth}
11910 \bidi@ensure@newcommand*\footmarkstyle}[1]{\def\footscript##1{#1}}
11911 \bidi@ensure@newcommand*\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
11912 \bidi@ensure@newcommand*\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
11913 \bidi@ensure@newcommand{\footfootmark}{%
11914 \ifdim\footmarkwidth < \z@
11915 \llap{\hb@xt@ -\footmarkwidth{%
11916 \hss\normalfont\footscript{\@thefnmark}}%
11917 \hspace*{-\footmarkwidth}}%
11918 \else
11919 \ifdim\footmarkwidth = \z@
11920 {\normalfont\footscript{\@thefnmark}}%
11921 \else
11922 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
11923 \fi
11924 \fi}
11925 \bidi@ensure@newcommand{\LTRfootfootmark}{%
11926 \ifdim\footmarkwidth < \z@
11927 \llap{\hb@xt@ -\footmarkwidth{%
11928 \hss\normalfont\LTRfootscript{\@thefnmark}}%
11929 \hspace*{-\footmarkwidth}}%
11930 \else
11931 \ifdim\footmarkwidth = \z@
11932 {\normalfont\LTRfootscript{\@thefnmark}}%
11933 \else
11934 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
11935 \fi
11936 \fi}
11937 \bidi@ensure@newcommand{\RTLfootfootmark}{%
11938 \ifdim\footmarkwidth < \z@
11939 \llap{\hb@xt@ -\footmarkwidth{%
11940 \hss\normalfont\RTLfootscript{\@thefnmark}}%
11941 \hspace*{-\footmarkwidth}}%
11942 \else
11943 \ifdim\footmarkwidth = \z@
11944 {\normalfont\RTLfootscript{\@thefnmark}}%
11945 \else
11946 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
11947 \fi
11948 \fi}

```



```

11949 \footmarkstyle{\textsuperscript{#1}}
11950 \LTRfootmarkstyle{\textsuperscript{#1}}
11951 \RTLfootmarkstyle{\textsuperscript{#1}}
11952 \newcommand*\bidi@normal@footmarkwidth}{%
11953   \setlength{\footmarkwidth}{1em plus.3em minus.3em}%
11954 }
11955 \newcommand*\bidi@star@footmarkwidth}{%
11956   \setlength{\footmarkwidth}{0em plus.3em minus.3em}%
11957 }
11958 \bidi@normal@footmarkwidth
11959 \bidi@ensure@newcommand{\m@doextrafeet}{\extrafeetins}
11960 \bidi@ensure@newcommand*\{extrafeetins}{%
11961   \bidi@joinfootnotes\footinsv@r\@footstartv@r\@footgroupv@r
11962   \bidi@joinfootnotes\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11963   \bidi@joinfootnotes\@bidi@copyins@{\}\@unvbox\@bidi@copyins@}%
11964   \extrafeetinshook}
11965 \bidi@ensure@newcommand{\extrafeetinshook}{%
11966   \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
11967   \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
11968   \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
11969   \bidi@ensure@newlength{\footinsdim}
11970   \setlength{\footinsdim}{8in} % standard for \dimen\footins
11971   \bidi@ensure@newcommand{\@preamfntext}{%
11972     \interlinepenalty\interfootnotelinepenalty
11973     \floatingpenalty \@MM
11974     \splittopskip=\footnotesep
11975     \splitmaxdepth=\dp\strutbox
11976     \@parboxrestore}
11977 \def\bidi@ifmulticol#1#2{\@tempswafalse
11978   \ifnum\col@number>\@ne
11979     \ifnum\count\footins>1999 \@tempswatruet \fi
11980   \fi
11981   \if@tempswa #1\else #2\fi
11982 }
11983 \def\bidi@joinfootnotes#1#2#3{%
11984   \ifvoid#1
11985     \else
11986       \@tempskipa\skip#1%
11987       \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
11988       \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
11989       \bidi@removexfootskip
11990       \ifvoid\footins
11991         \global\setbox\footins\vbox{#2#3}%
11992       \else
11993         \global\setbox\footins\vbox{%
11994           \unvbox\footins
11995           \bidi@footskip
11996           #2#3%
11997         }%
11998       \fi
11999     \fi
12000 }
12001 \def\bidi@reinsertfootnote#1#2#3{%
12002   \ifvoid#1%

```




```

12003 \else
12004   \insert\footins{#2#3}%
12005 \fi
12006 }
12007 \def\bidi@joinmpfootnotes#1#2#3{%
12008   \ifvoid#1
12009   \else
12010     \@tempskipa\skip#1%
12011     \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
12012     \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
12013     \bidi@removexfootskip
12014     \ifvoid\@mpfootins
12015       \global\setbox\@mpfootins\vbox{#2#3}%
12016     \else
12017       \global\setbox\@mpfootins\vbox{%
12018         \unvbox\@mpfootins
12019         \bidi@footskip
12020         #2#3%
12021       }%
12022     \fi
12023 \fi
12024 }
12025 \newcount\bidi@absolute@page@count
12026 \bidi@absolute@page@count\@ne
12027 \newcount\bidi@absolute@footnote@count
12028 \bidi@AfterOutputBoxOutputPage{%
12029   \if@filesw
12030     \edef\@tempa{%
12031       \write\@auxout{%
12032         \string\bidi@finalfootnoteperpage%
12033         {\noexpand\number\noexpand\bidi@absolute@page@count}%
12034         {\noexpand\number\noexpand\bidi@absolute@footnote@count}%
12035       }%
12036     }%
12037     \@tempa
12038   \fi
12039 }
12040 \bidi@AtEndOutputPage{%
12041   \global\advance\bidi@absolute@page@count\@ne
12042 }
12043 \newcommand*\bidi@finalfootnoteperpage}[2]{%
12044   \expandafter\gdef\csname bidi@currentpagefinalfootnote@#1\endcsname{#2}%
12045 }
12046 \newif\if@bidi@finalfootnoteperpage
12047 \newcommand{\bidi@ifafterfinalfootnoteperpage}[2]{%
12048   \if@bidi@csundef{bidi@currentpagefinalfootnote@#1\bidi@absolute@page@count}{%
12049     \global\@bidi@finalfootnoteperpagetrue
12050   }{%
12051     \global\@bidi@finalfootnoteperpagefalse
12052     \ifnum\bidi@absolute@footnote@count=\bidi@csuse{bidi@currentpagefinalfootnote@#1\bidi@absolute@page@count}%
12053       #1%
12054     \else
12055       #2%
12056     \fi

```



```

12057 }%
12058 }
12059 \newcommand{\bidi@reinsertfinalfootnoteperpage}[3]{%
12060   \bidi@ifafterfinalfootnoteperpage{%
12061     \bidi@reinsertfootnote{#1}{#2}{#3}%
12062   }{%
12063   }%
12064 }
12065 \newcommand*{\bidi@step@absolutefootnote@count}{%
12066   \global\advance\bidi@absolutefootnote@count\one
12067 }
12068 \bidi@AfterEndDocumentCheckLabelsRerun{%
12069   \if\bidi@finalfootnoteperpage
12070     \PackageWarningNoLine{bidi}{%
12071       The absolute final footnote is not
12072       known on every page of your
12073       document. Rerun TeX to get the
12074       absolute final footnote on every page
12075       of your document%
12076     }%
12077   \fi
12078 }
12079 \bidi@ensure@newcommand{\m@mndoextrafeetmini}{%
12080   \extrafeetminihook}
12081 \bidi@ensure@newcommand{\extrafeetendmini}{%
12082   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12083   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12084   \extrafeetendminihook}
12085 \bidi@ensure@newcommand{\extrafeetendminihook}{}
12086 \bidi@ensure@newcommand{\m@mndoextrafeetendmini}{\extrafeetendmini}
12087 \def\endminipage{%
12088   \par
12089   \unskip
12090   \m@mndoextrafeetendmini
12091   \ifvoid\@mpfootins
12092     \else
12093       \vskip\skip\@mpfootins
12094       \normalcolor
12095       \footnoterule
12096       \unvbox\@mpfootins
12097     \fi
12098   \@minipagefalse
12099   \color@endgroup
12100   \egroup
12101   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
12102 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
12103   \@namedef{@footstart#1}{%
12104     \leftskip=\z@
12105     \rightskip=\z@
12106     \parindent=\z@
12107   }%
12108 }
12109 \newinsert\footinsv@r
12110 \skip\footinsv@r\skip\footins

```



```

12111 \count\footinsv@r=1000 % no magnification
12112 \dimen\footinsv@r=\footinsdim
12113 \m@make@footstart{v@r}
12114 \newinsert\footinsv@l
12115 \skip\footinsv@l\skip\footins
12116 \count\footinsv@l=1000 % no magnification
12117 \dimen\footinsv@l=\footinsdim
12118 \m@make@footstart{v@l}
12119 \bidi@ensure@newcommand{\@footgroupv@r}{%}
12120 \newinsert\@mpfootinsv@r
12121 \skip\@mpfootinsv@r\skip\@mpfootins
12122 \newinsert\@mpfootinsv@l
12123 \skip\@mpfootinsv@l\skip\@mpfootins
12124 \bidi@ensure@newcommand{\mp@footgroupv@r}{%}
12125 \newcount\m@m@k \newdimen\m@m@h
12126 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12127 \@@line{\beginR\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12128 \valign{##\vfill\cr\m@mdosplits}\endR}}
12129 \newcommand*{\bidi@LTRrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12130 \@@line{\beginL\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12131 \valign{##\vfill\cr\m@mdosplits}\endL}}
12132 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
12133 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
12134 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
12135 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
12136 \setbox2 \vsplit0 to \dimen0
12137 \unvbox2 }
12138 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
12139 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12140 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12141 \@bidi@before@Hy@hyperfootnotes
12142 \let\@footnotetext\@twocolfootnotetext
12143 \let\@LTRfootnotetext\@twocolLTRfootnotetext
12144 \let\@RTLfootnotetext\@twocolRTLfootnotetext
12145 \dimen\footinsv@r=2\footinsdim
12146 \count\footinsv@r=500\relax
12147 \m@make@twocol@footgroup{v@r}%
12148 \let\@footgroupv@r\@twocol@footgroupv@r
12149 \dimen\footinsv@l=2\footinsdim
12150 \count\footinsv@l=500\relax
12151 \bidi@make@twocol@LTRfootgroup{v@l}%
12152 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12153 \let\@mpfootnotetext\@mptwocolfootnotetext
12154 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
12155 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
12156 \@bidi@after@Hy@hyperfootnotes
12157 \m@make@mptwocol@footgroup{v@r}%
12158 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
12159 \bidi@make@mptwocol@LTRfootgroup{v@l}%
12160 \let\mp@LTRfootgroupv@l\@mptwocol@LTRfootgroupv@l
12161 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12162 }
12163 \newcommand{\TwoColumnFootnotes}{%
12164 \@namedef{foottextfontv@r}{\foottextfont}%

```



```

12165 \@namedef{foottextfontv@1}{\LTRfoottextfont}%
12166 \@bidi@before@Hy@hyperfootnotes
12167 \let\@footnotetext\@TwoColfootnotetext
12168 \let\@LTRfootnotetext\@TwoColLTRfootnotetext
12169 \let\@RTLfootnotetext\@TwoColRTLfootnotetext
12170 \dimen\footinsv@r=2\footinsdim
12171 \count\footinsv@r=500\relax
12172 \m@make@twocol@footgroup{v@r}%
12173 \let\@footgroupv@r\@twocol@footgroupv@r
12174 \dimen\footinsv@l=2\footinsdim
12175 \count\footinsv@l=500\relax
12176 \bidi@make@twocol@LTRfootgroup{v@l}%
12177 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12178 \let\@mpfootnotetext\@mpTwoColfootnotetext
12179 \let\@mpLTRfootnotetext\@mpTwoColLTRfootnotetext
12180 \let\@mpRTLfootnotetext\@mpTwoColRTLfootnotetext
12181 \@bidi@after@Hy@hyperfootnotes
12182 \m@make@mptwocol@footgroup{v@r}%
12183 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
12184 \bidi@make@mptwocol@LTRfootgroup{v@l}%
12185 \let\mp@LTRfootgroupv@l\@mptwocol@LTRfootgroupv@l
12186 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12187 }
12188 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert
12189 \if@RTL@footnote
12190 \footinsv@r
12191 \else
12192 \footinsv@l
12193 \fi
12194 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12195 \def\baselinestretch{\m@mm@footnote@spacing}%
12196 \reset@font\foottextfont
12197 \@preamfntext
12198 \protected@edef\@currentlabel{%
12199 \csname p@footnote\endcsname\@thefnmark}%
12200 \color@begingroup
12201 \@twocolfootfmt{#1}%
12202 \color@endgroup}%
12203 \m@mmf@prepare}
12204 \newcommand{\@TwoColfootnotetext}[1]{%
12205 \bidi@step@absolute@footnote@count
12206 \if@RTL@footnote
12207 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12208 \else
12209 \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
12210 \fi
12211 \global\setbox
12212 \if@RTL@footnote
12213 \footinsv@r
12214 \else
12215 \footinsv@l
12216 \fi
12217 \vbox{%
12218 \unvbox

```



```

12219 \if@RTL@footnote
12220 \footinsv@r
12221 \else
12222 \footinsv@l
12223 \fi
12224 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12225 \def\baselinestretch{\m@m@footnote@spacing}%
12226 \reset@font\foottextfont
12227 \@preamfntext
12228 \protected@edef\@currentlabel{%
12229 \csname p@footnote\endcsname\@thefnmark}%
12230 \color@begingroup
12231 \@twocolfootfmt{#1}%
12232 \color@endgroup}%
12233 \m@mmf@prepare
12234 \if@RTL@footnote
12235 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12236 \else
12237 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12238 \fi
12239 }
12240 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12241 \def\baselinestretch{\m@m@footnote@spacing}%
12242 \reset@font\LTRfoottextfont
12243 \@preamfntext
12244 \protected@edef\@currentlabel{%
12245 \csname p@footnote\endcsname\@thefnmark}%
12246 \color@begingroup
12247 \@twocolLTRfootfmt{#1}%
12248 \color@endgroup}%
12249 \m@mmf@prepare}
12250 \newcommand{\@TwoColLTRfootnotetext}[1]{%
12251 \bidi@step@absolute@footnote@count
12252 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12253 \global\setbox\footinsv@l\vbox{%
12254 \unvbox\footinsv@l
12255 \@RTLfalse
12256 \def\baselinestretch{\m@m@footnote@spacing}%
12257 \reset@font\LTRfoottextfont
12258 \@preamfntext
12259 \protected@edef\@currentlabel{%
12260 \csname p@footnote\endcsname\@thefnmark}%
12261 \color@begingroup
12262 \@twocolLTRfootfmt{#1}%
12263 \color@endgroup}%
12264 \m@mmf@prepare
12265 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12266 }
12267 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12268 \def\baselinestretch{\m@m@footnote@spacing}%
12269 \reset@font\RTLfoottextfont
12270 \@preamfntext
12271 \protected@edef\@currentlabel{%
12272 \csname p@footnote\endcsname\@thefnmark}%

```



```

12273 \color@begingroup
12274 \@twocolRTLfootfmt{#1}%
12275 \color@endgroup}%
12276 \m@mmf@prepare}
12277 \newcommand{\@TwoColRTLfootnotetext}[1]{%
12278 \bidi@step@absolutefootnote@count
12279 \bidi@reinsertfootnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
12280 \global\setbox\footinsv@r\vbox{%
12281 \unvbox\footinsv@r
12282 \RTLtrue
12283 \def\baselinestretch{\m@m@footnote@spacing}%
12284 \reset@font\RTLfoottextfont
12285 \@preamfntext
12286 \protected@edef\@currentlabel{%
12287 \csname p@footnote\endcsname\@thefnmark}%
12288 \color@begingroup
12289 \@twocolRTLfootfmt{#1}%
12290 \color@endgroup}%
12291 \m@mmf@prepare
12292 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12293 }
12294 \bidi@ensure@newcommand{\@preamtwofmt}{%
12295 \hspace .45\hspace
12296 \parindent=\z@
12297 \tolerance=5000\relax
12298 \leavevmode}
12299 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
12300 \@preamtwofmt
12301 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12302 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
12303 \@preamtwofmt
12304 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12305 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
12306 \@preamtwofmt
12307 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12308 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
12309 \global\setbox
12310 \if@RTL@footnote
12311 \@mpfootinsv@r
12312 \else
12313 \@mpfootinsv@l
12314 \fi
12315 \vbox{%
12316 \unvbox
12317 \if@RTL@footnote
12318 \@mpfootinsv@r
12319 \else
12320 \@mpfootinsv@l
12321 \fi
12322 \if@RTL@footnote\RTLtrue\else\RTLfalse\fi
12323 \def\baselinestretch{\m@m@footnote@spacing}%
12324 \reset@font\foottextfont
12325 \hspace\columnwidth \@parboxrestore
12326 \protected@edef\@currentlabel{%

```



```

12327     \csname p@mpfootnote\endcsname\@thefnmark}%
12328 \color@begingroup
12329     \@twocolfootfmt{#1}%
12330 \color@endgroup}%
12331 \m@mmf@prepare}
12332 \newcommand{\@mpTwoColfootnotetext}[1]{%
12333     \if@RTL@footnote
12334     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12335     \else
12336     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12337     \fi
12338 \global\setbox
12339     \if@RTL@footnote
12340     \@mpfootinsv@r
12341     \else
12342     \@mpfootinsv@l
12343     \fi
12344 \vbox{%
12345     \unvbox
12346     \if@RTL@footnote
12347     \@mpfootinsv@r
12348     \else
12349     \@mpfootinsv@l
12350     \fi
12351 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12352 \def\baselinestretch{\m@m@footnote@spacing}%
12353 \reset@font\foottextfont
12354 \hsize\columnwidth \@parboxrestore
12355 \protected@edef\@currentlabel{%
12356     \csname p@mpfootnote\endcsname\@thefnmark}%
12357 \color@begingroup
12358     \@twocolfootfmt{#1}%
12359 \color@endgroup}%
12360 \m@mmf@prepare}
12361 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
12362 \global\setbox\@mpfootinsv@l\vbox{%
12363     \unvbox\@mpfootinsv@l
12364     \@RTLfalse
12365     \def\baselinestretch{\m@m@footnote@spacing}%
12366     \reset@font\LTRfoottextfont
12367     \hsize\columnwidth \@parboxrestore
12368     \protected@edef\@currentlabel{%
12369         \csname p@mpfootnote\endcsname\@thefnmark}%
12370 \color@begingroup
12371     \@twocolLTRfootfmt{#1}%
12372 \color@endgroup}%
12373 \m@mmf@prepare}
12374 \newcommand{\@mpTwoColLTRfootnotetext}[1]{%
12375 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12376 \global\setbox\@mpfootinsv@l\vbox{%
12377     \unvbox\@mpfootinsv@l
12378     \@RTLfalse
12379     \def\baselinestretch{\m@m@footnote@spacing}%
12380 \reset@font\LTRfoottextfont

```



```

12381 \hsize\columnwidth \@parboxrestore
12382 \protected@edef\@currentlabel{%
12383 \csname p@mpfootnote\endcsname\@thefnmark}%
12384 \color@begingroup
12385 \@twocolLTRfootfmt{#1}%
12386 \color@endgroup}%
12387 \m@mmf@prepare}
12388 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
12389 \global\setbox\@mpfootinsv@r\vbox{%
12390 \unvbox\@mpfootinsv@r
12391 \@RTLtrue
12392 \def\baselinestretch{\m@m@footnote@spacing}%
12393 \reset@font\RTLfoottextfont
12394 \hsize\columnwidth \@parboxrestore
12395 \protected@edef\@currentlabel{%
12396 \csname p@mpfootnote\endcsname\@thefnmark}%
12397 \color@begingroup
12398 \@twocolRTLfootfmt{#1}%
12399 \color@endgroup}%
12400 \m@mmf@prepare}
12401 \newcommand{\@mpTwoColRTLfootnotetext}[1]{%
12402 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12403 \global\setbox\@mpfootinsv@r\vbox{%
12404 \unvbox\@mpfootinsv@r
12405 \@RTLtrue
12406 \def\baselinestretch{\m@m@footnote@spacing}%
12407 \reset@font\RTLfoottextfont
12408 \hsize\columnwidth \@parboxrestore
12409 \protected@edef\@currentlabel{%
12410 \csname p@mpfootnote\endcsname\@thefnmark}%
12411 \color@begingroup
12412 \@twocolRTLfootfmt{#1}%
12413 \color@endgroup}%
12414 \m@mmf@prepare}
12415 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
12416 \@namedef{@twocol@footgroup#1}{%
12417 \def\baselinestretch{\m@m@footnote@spacing}%
12418 \hsize\bidi@columnwidth
12419 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12420 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12421 \newcommand{\bidi@make@twocol@LTRfootgroup}[1]{%
12422 \@namedef{@twocol@LTRfootgroup#1}{%
12423 \def\baselinestretch{\m@m@footnote@spacing}%
12424 \hsize\bidi@columnwidth
12425 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12426 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12427 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
12428 \@namedef{@mptwocol@footgroup#1}{%
12429 \def\baselinestretch{\m@m@footnote@spacing}%
12430 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12431 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
12432 \newcommand{\bidi@make@mptwocol@LTRfootgroup}[1]{%
12433 \@namedef{@mptwocol@LTRfootgroup#1}{%
12434 \def\baselinestretch{\m@m@footnote@spacing}%

```




```

12435 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12436 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
12437 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
12438 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12439 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12440 \@bidi@before@Hy@hyperfootnotes
12441 \let\@footnotetext\@threecolfootnotetext
12442 \let\@LTRfootnotetext\@threecolLTRfootnotetext
12443 \let\@RTLfootnotetext\@threecolRTLfootnotetext
12444 \dimen\footinsv@r=3\footinsdim
12445 \count\footinsv@r=333\relax
12446 \m@make@threecol@footgroup{v@r}%
12447 \let\@footgroupv@r\@threecol@footgroupv@r
12448 \dimen\footinsv@l=3\footinsdim
12449 \count\footinsv@l=333\relax
12450 \bidi@make@threecol@LTRfootgroup{v@l}%
12451 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12452 \let\@mpfootnotetext\@mpthreecolfootnotetext
12453 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
12454 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
12455 \@bidi@after@Hy@hyperfootnotes
12456 \m@make@mpthreecol@footgroup{v@r}%
12457 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12458 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12459 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12460 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12461 }
12462 \newcommand{\ThreeColumnFootnotes}{%
12463 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12464 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12465 \@bidi@before@Hy@hyperfootnotes
12466 \let\@footnotetext\@ThreeColfootnotetext
12467 \let\@LTRfootnotetext\@ThreeColLTRfootnotetext
12468 \let\@RTLfootnotetext\@ThreeColRTLfootnotetext
12469 \dimen\footinsv@r=3\footinsdim
12470 \count\footinsv@r=333\relax
12471 \m@make@threecol@footgroup{v@r}%
12472 \let\@footgroupv@r\@threecol@footgroupv@r
12473 \dimen\footinsv@l=3\footinsdim
12474 \count\footinsv@l=333\relax
12475 \bidi@make@threecol@LTRfootgroup{v@l}%
12476 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12477 \let\@mpfootnotetext\@mpThreeColfootnotetext
12478 \let\@mpLTRfootnotetext\@mpThreeColLTRfootnotetext
12479 \let\@mpRTLfootnotetext\@mpThreeColRTLfootnotetext
12480 \@bidi@after@Hy@hyperfootnotes
12481 \m@make@mpthreecol@footgroup{v@r}%
12482 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12483 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12484 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12485 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12486 }
12487 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert
12488 \if@RTL@footnote

```



```

12489 \footinsv@r
12490 \else
12491 \footinsv@l
12492 \fi
12493 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12494 \def\baselinestretch{\m@m@footnote@spacing}%
12495 \reset@font\foottextfont
12496 \@preamfntext
12497 \protected@edef\@currentlabel{%
12498 \csname p@footnote\endcsname\@thefnmark}%
12499 \color@begingroup
12500 \@threecolfootfmt{#1}%
12501 \color@endgroup}\m@mmf@prepare}
12502 \newcommand{\@ThreeColfootnotetext}[1]{%
12503 \bidi@step@absolute@footnote@count
12504 \if@RTL@footnote
12505 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12506 \else
12507 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12508 \fi
12509 \global\setbox
12510 \if@RTL@footnote
12511 \footinsv@r
12512 \else
12513 \footinsv@l
12514 \fi
12515 \vbox{%
12516 \unvbox
12517 \if@RTL@footnote
12518 \footinsv@r
12519 \else
12520 \footinsv@l
12521 \fi
12522 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12523 \def\baselinestretch{\m@m@footnote@spacing}%
12524 \reset@font\foottextfont
12525 \@preamfntext
12526 \protected@edef\@currentlabel{%
12527 \csname p@footnote\endcsname\@thefnmark}%
12528 \color@begingroup
12529 \@threecolfootfmt{#1}%
12530 \color@endgroup}\m@mmf@prepare
12531 \if@RTL@footnote
12532 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12533 \else
12534 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12535 \fi
12536 }
12537 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12538 \def\baselinestretch{\m@m@footnote@spacing}%
12539 \reset@font\LTRfoottextfont
12540 \@preamfntext
12541 \protected@edef\@currentlabel{%
12542 \csname p@footnote\endcsname\@thefnmark}%

```



```

12543 \color@begingroup
12544 \@threecolLTRfootfmt{#1}%
12545 \color@endgroup}\m@mmf@prepare}
12546 \newcommand{\@ThreeColLTRfootnotetext}[1]{%
12547 \bidi@step@absolute@footnote@count
12548 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12549 \global\setbox\footinsv@l\vbox{%
12550 \unvbox\footinsv@l
12551 \@RTLfalse
12552 \def\baselinestretch{\m@m@footnote@spacing}%
12553 \reset@font\LTRfoottextfont
12554 \@preamfntext
12555 \protected@edef\@currentlabel{%
12556 \csname p@footnote\endcsname\@thefnmark}%
12557 \color@begingroup
12558 \@threecolLTRfootfmt{#1}%
12559 \color@endgroup}\m@mmf@prepare
12560 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12561 }
12562 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12563 \def\baselinestretch{\m@m@footnote@spacing}%
12564 \reset@font\RTLfoottextfont
12565 \@preamfntext
12566 \protected@edef\@currentlabel{%
12567 \csname p@footnote\endcsname\@thefnmark}%
12568 \color@begingroup
12569 \@threecolRTLfootfmt{#1}%
12570 \color@endgroup}\m@mmf@prepare}
12571 \newcommand{\@ThreeColRTLfootnotetext}[1]{%
12572 \bidi@step@absolute@footnote@count
12573 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12574 \global\setbox\footinsv@r\vbox{%
12575 \unvbox\footinsv@r
12576 \@RTLtrue
12577 \def\baselinestretch{\m@m@footnote@spacing}%
12578 \reset@font\RTLfoottextfont
12579 \@preamfntext
12580 \protected@edef\@currentlabel{%
12581 \csname p@footnote\endcsname\@thefnmark}%
12582 \color@begingroup
12583 \@threecolRTLfootfmt{#1}%
12584 \color@endgroup}\m@mmf@prepare
12585 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12586 }
12587 \bidi@ensure@newcommand{\@preamthreefmt}{%
12588 \hsize .3\hsize
12589 \parindent=\z@
12590 \tolerance=5000\relax
12591 \leavevmode}
12592 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
12593 \@preamthreefmt
12594 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12595 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
12596 \@preamthreefmt

```



```

12597 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12598 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
12599 \@preamthreefmt
12600 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12601 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
12602 \global\setbox
12603 \if@RTL@footnote
12604 \@mpfootinsv@r
12605 \else
12606 \@mpfootinsv@l
12607 \fi
12608 \vbox{%
12609 \unvbox
12610 \if@RTL@footnote
12611 \@mpfootinsv@r
12612 \else
12613 \@mpfootinsv@l
12614 \fi
12615 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12616 \def\baselinestretch{\m@m@footnote@spacing}%
12617 \reset@font\foottextfont
12618 \hsize\columnwidth \@parboxrestore
12619 \protected@edef\@currentlabel{%
12620 \csname p@mpfootnote\endcsname\@thefnmark}%
12621 \color@begingroup
12622 \@threecolfootfmt{#1}%
12623 \color@endgroup}\m@mmf@prepare}
12624 \newcommand{\@mpThreeColfootnotetext}[1]{%
12625 \if@RTL@footnote
12626 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12627 \else
12628 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12629 \fi
12630 \global\setbox
12631 \if@RTL@footnote
12632 \@mpfootinsv@r
12633 \else
12634 \@mpfootinsv@l
12635 \fi
12636 \vbox{%
12637 \unvbox
12638 \if@RTL@footnote
12639 \@mpfootinsv@r
12640 \else
12641 \@mpfootinsv@l
12642 \fi
12643 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12644 \def\baselinestretch{\m@m@footnote@spacing}%
12645 \reset@font\foottextfont
12646 \hsize\columnwidth \@parboxrestore
12647 \protected@edef\@currentlabel{%
12648 \csname p@mpfootnote\endcsname\@thefnmark}%
12649 \color@begingroup
12650 \@threecolfootfmt{#1}%

```



```

12651 \color@endgroup}\m@mmf@prepare}
12652 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
12653 \global\setbox\@mpfootinsv@l\vbox{%
12654 \unvbox\@mpfootinsv@l
12655 \@RTLfalse
12656 \def\baselinestretch{\m@m@footnote@spacing}%
12657 \reset@font\LTRfoottextfont
12658 \hsize\columnwidth \@parboxrestore
12659 \protected@edef\@currentlabel{%
12660 \csname p@mpfootnote\endcsname\@thefnmark}%
12661 \color@begingroup
12662 \@threecolLTRfootfmt{#1}%
12663 \color@endgroup}\m@mmf@prepare}
12664 \newcommand{\@mpThreeColLTRfootnotetext}[1]{%
12665 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12666 \global\setbox\@mpfootinsv@l\vbox{%
12667 \unvbox\@mpfootinsv@l
12668 \@RTLfalse
12669 \def\baselinestretch{\m@m@footnote@spacing}%
12670 \reset@font\LTRfoottextfont
12671 \hsize\columnwidth \@parboxrestore
12672 \protected@edef\@currentlabel{%
12673 \csname p@mpfootnote\endcsname\@thefnmark}%
12674 \color@begingroup
12675 \@threecolLTRfootfmt{#1}%
12676 \color@endgroup}\m@mmf@prepare}
12677 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
12678 \global\setbox\@mpfootinsv@r\vbox{%
12679 \unvbox\@mpfootinsv@r
12680 \@RTLtrue
12681 \def\baselinestretch{\m@m@footnote@spacing}%
12682 \reset@font\RTLfoottextfont
12683 \hsize\columnwidth \@parboxrestore
12684 \protected@edef\@currentlabel{%
12685 \csname p@mpfootnote\endcsname\@thefnmark}%
12686 \color@begingroup
12687 \@threecolRTLfootfmt{#1}%
12688 \color@endgroup}\m@mmf@prepare}
12689 \newcommand{\@mpThreeColRTLfootnotetext}[1]{%
12690 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12691 \global\setbox\@mpfootinsv@r\vbox{%
12692 \unvbox\@mpfootinsv@r
12693 \@RTLtrue
12694 \def\baselinestretch{\m@m@footnote@spacing}%
12695 \reset@font\RTLfoottextfont
12696 \hsize\columnwidth \@parboxrestore
12697 \protected@edef\@currentlabel{%
12698 \csname p@mpfootnote\endcsname\@thefnmark}%
12699 \color@begingroup
12700 \@threecolRTLfootfmt{#1}%
12701 \color@endgroup}\m@mmf@prepare}
12702 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
12703 \@namedef{\@threecol@footgroup#1}{%
12704 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

12705 \hsize\bidicolumnwidth
12706 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12707 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@}{\splittopskip}}}}
12708 \newcommand{\bidi@make@threecol@LTRfootgroup}[1]{%
12709 \@namedef{@threecol@LTRfootgroup#1}{%
12710 \def\baselinestretch{\m@footnote@spacing}%
12711 \hsize\bidicolumnwidth
12712 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12713 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\thr@}{\splittopskip}}}}
12714 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
12715 \@namedef{@mpthreecol@footgroup#1}{%
12716 \def\baselinestretch{\m@footnote@spacing}%
12717 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12718 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@}{\splittopskip}}}}
12719 \newcommand{\bidi@make@mpthreecol@LTRfootgroup}[1]{%
12720 \@namedef{@mpthreecol@LTRfootgroup#1}{%
12721 \def\baselinestretch{\m@footnote@spacing}%
12722 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12723 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{\thr@}{\splittopskip}}}}
12724 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
12725 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12726 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12727 \@bidi@before@Hy@hyperfootnotes
12728 \let@footnotetext@fourcolfootnotetext
12729 \let@LTRfootnotetext@fourcolLTRfootnotetext
12730 \let@RTLfootnotetext@fourcolRTLfootnotetext
12731 \dimen\footinsv@r=4\footinsdim
12732 \count\footinsv@r=250\relax
12733 \m@make@fourcol@footgroup{v@r}%
12734 \let@footgroupv@r@fourcol@footgroupv@r
12735 \dimen\footinsv@l=4\footinsdim
12736 \count\footinsv@l=250\relax
12737 \bidi@make@fourcol@LTRfootgroup{v@l}%
12738 \let@LTRfootgroupv@l@fourcol@LTRfootgroupv@l
12739 \let@mpfootnotetext@mpfourcolfootnotetext
12740 \let@mpLTRfootnotetext@mpfourcolLTRfootnotetext
12741 \let@mpRTLfootnotetext@mpfourcolRTLfootnotetext
12742 \@bidi@after@Hy@hyperfootnotes
12743 \m@make@mpfourcol@footgroup{v@r}%
12744 \let@mp@footgroupv@r@mpfourcol@footgroupv@r
12745 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12746 \let@mp@LTRfootgroupv@l@mpfourcol@LTRfootgroupv@l
12747 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12748 }
12749 \newcommand{\FourColumnFootnotes}{%
12750 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12751 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12752 \@bidi@before@Hy@hyperfootnotes
12753 \let@footnotetext@FourColfootnotetext
12754 \let@LTRfootnotetext@FourColLTRfootnotetext
12755 \let@RTLfootnotetext@FourColRTLfootnotetext
12756 \dimen\footinsv@r=4\footinsdim
12757 \count\footinsv@r=250\relax
12758 \m@make@fourcol@footgroup{v@r}%

```



```

12759 \let\@footgroupv@r\@fourcol@footgroupv@r
12760 \dimen\footinsv@l=4\footinsdim
12761 \count\footinsv@l=250\relax
12762 \bidi@make@fourcol@LTRfootgroup{v@l}%
12763 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12764 \let\@mpfootnotetext\@mpFourColfootnotetext
12765 \let\@mpLTRfootnotetext\@mpFourColLTRfootnotetext
12766 \let\@mpRTLfootnotetext\@mpFourColRTLfootnotetext
12767 \@bidi@after@Hy@hyperfootnotes
12768 \m@make@mpfourcol@footgroup{v@r}%
12769 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12770 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12771 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12772 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12773 }
12774 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert
12775 \if@RTL@footnote
12776 \footinsv@r
12777 \else
12778 \footinsv@l
12779 \fi
12780 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12781 \def\baselinestretch{\m@m@footnote@spacing}%
12782 \reset@font\foottextfont
12783 \@preamfntext
12784 \protected@edef\@currentlabel{%
12785 \csname p@footnote\endcsname\@thefnmark}%
12786 \color@begingroup
12787 \@fourcolfootfmt{#1}%
12788 \color@endgroup}%
12789 \m@m@mmf@prepare}
12790 \newcommand{\@FourColfootnotetext}[1]{%
12791 \bidi@step@absolute@footnote@count
12792 \if@RTL@footnote
12793 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12794 \else
12795 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12796 \fi
12797 \global\setbox
12798 \if@RTL@footnote
12799 \footinsv@r
12800 \else
12801 \footinsv@l
12802 \fi
12803 \vbox{%
12804 \unvbox
12805 \if@RTL@footnote
12806 \footinsv@r
12807 \else
12808 \footinsv@l
12809 \fi
12810 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12811 \def\baselinestretch{\m@m@footnote@spacing}%
12812 \reset@font\foottextfont

```



```

12813 \@preamfntext
12814 \protected@edef\@currentlabel{%
12815   \csname p@footnote\endcsname\@thefnmark}%
12816 \color@begingroup
12817   \@fourcolfootfmt{#1}%
12818 \color@endgroup}%
12819 \m@mmf@prepare
12820 \if@RTL@footnote
12821   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12822 \else
12823   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12824 \fi
12825 }
12826 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12827 \def\baselinestretch{\m@m@footnote@spacing}%
12828 \reset@font\LTRfoottextfont
12829 \@preamfntext
12830 \protected@edef\@currentlabel{%
12831   \csname p@footnote\endcsname\@thefnmark}%
12832 \color@begingroup
12833   \@fourcolLTRfootfmt{#1}%
12834 \color@endgroup}%
12835 \m@mmf@prepare}
12836 \newcommand{\@FourColLTRfootnotetext}[1]{%
12837 \bidi@step@absolute@footnote@count
12838 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12839 \global\setbox\footinsv@l\vbox{%
12840 \unvbox\footinsv@l
12841 \@RTLfalse%
12842 \def\baselinestretch{\m@m@footnote@spacing}%
12843 \reset@font\LTRfoottextfont
12844 \@preamfntext
12845 \protected@edef\@currentlabel{%
12846   \csname p@footnote\endcsname\@thefnmark}%
12847 \color@begingroup
12848   \@fourcolLTRfootfmt{#1}%
12849 \color@endgroup}%
12850 \m@mmf@prepare
12851 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12852 }
12853 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12854 \def\baselinestretch{\m@m@footnote@spacing}%
12855 \reset@font\RTLfoottextfont
12856 \@preamfntext
12857 \protected@edef\@currentlabel{%
12858   \csname p@footnote\endcsname\@thefnmark}%
12859 \color@begingroup
12860   \@fourcolRTLfootfmt{#1}%
12861 \color@endgroup}%
12862 \m@mmf@prepare}
12863 \newcommand{\@FourColRTLfootnotetext}[1]{%
12864 \bidi@step@absolute@footnote@count
12865 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12866 \global\setbox\footinsv@r\vbox{%

```




```

12867 \unvbox\footinsv@r
12868 \@RTLtrue
12869 \def\baselinestretch{\m@m@footnote@spacing}%
12870 \reset@font\RTLfoottextfont
12871 \@preamfntext
12872 \protected@edef\@currentlabel{%
12873   \csname p@footnote\endcsname\@thefnmark}%
12874 \color@begingroup
12875   \@fourcolRTLfootfmt{#1}%
12876 \color@endgroup}%
12877 \m@m@mf@prepare
12878 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12879 }
12880 \bidi@ensure@newcommand{\@preamfourfmt}{%
12881   \hspace .25\hspace
12882   \parindent=\z@
12883   \tolerance=5000\relax
12884   \leavevmode}
12885 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
12886   \@preamfourfmt
12887   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12888 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
12889   \@preamfourfmt
12890   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12891 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
12892   \@preamfourfmt
12893   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12894 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
12895   \global\setbox
12896     \if@RTL@footnote
12897     \@mpfootinsv@r
12898   \else
12899     \@mpfootinsv@l
12900   \fi
12901   \vbox{%
12902     \unvbox
12903     \if@RTL@footnote
12904     \@mpfootinsv@r
12905   \else
12906     \@mpfootinsv@l
12907   \fi
12908   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12909   \def\baselinestretch{\m@m@footnote@spacing}%
12910   \reset@font\foottextfont
12911   \hspace\columnwidth \@parboxrestore
12912   \protected@edef\@currentlabel{%
12913     \csname p@mpfootnote\endcsname\@thefnmark}%
12914   \color@begingroup
12915     \@fourcolfootfmt{#1}%
12916   \color@endgroup}%
12917   \m@m@mf@prepare}
12918 \newcommand{\@mpFourColfootnotetext}[1]{%
12919   \if@RTL@footnote
12920   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l

```



```

12921 \else
12922 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12923 \fi
12924 \global\setbox
12925 \if@RTL@footnote
12926 \@mpfootinsv@r
12927 \else
12928 \@mpfootinsv@l
12929 \fi
12930 \vbox{%
12931 \unvbox
12932 \if@RTL@footnote
12933 \@mpfootinsv@r
12934 \else
12935 \@mpfootinsv@l
12936 \fi
12937 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12938 \def\baselinestretch{\m@m@footnote@spacing}%
12939 \reset@font\foottextfont
12940 \hsize\columnwidth \@parboxrestore
12941 \protected@edef\@currentlabel{%
12942 \csname p@mpfootnote\endcsname\@thefnmark}%
12943 \color@begingroup
12944 \@fourcolfootfmt{#1}%
12945 \color@endgroup}%
12946 \m@mmf@prepare}
12947 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
12948 \global\setbox\@mpfootinsv@l\vbox{%
12949 \unvbox\@mpfootinsv@l
12950 \@RTLfalse
12951 \def\baselinestretch{\m@m@footnote@spacing}%
12952 \reset@font\LTRfoottextfont
12953 \hsize\columnwidth \@parboxrestore
12954 \protected@edef\@currentlabel{%
12955 \csname p@mpfootnote\endcsname\@thefnmark}%
12956 \color@begingroup
12957 \@fourcolLTRfootfmt{#1}%
12958 \color@endgroup}%
12959 \m@mmf@prepare}
12960 \newcommand{\@mpFourColLTRfootnotetext}[1]{%
12961 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12962 \global\setbox\@mpfootinsv@l\vbox{%
12963 \unvbox\@mpfootinsv@l
12964 \@RTLfalse
12965 \def\baselinestretch{\m@m@footnote@spacing}%
12966 \reset@font\LTRfoottextfont
12967 \hsize\columnwidth \@parboxrestore
12968 \protected@edef\@currentlabel{%
12969 \csname p@mpfootnote\endcsname\@thefnmark}%
12970 \color@begingroup
12971 \@fourcolLTRfootfmt{#1}%
12972 \color@endgroup}%
12973 \m@mmf@prepare}
12974 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%

```



```

12975 \global\setbox\@mpfootinsv@r\vbox{%
12976 \unvbox\@mpfootinsv@r
12977 \RTLtrue
12978 \def\baselinestretch{\m@m@footnote@spacing}%
12979 \reset@font\RTLfoottextfont
12980 \hsize\columnwidth \@parboxrestore
12981 \protected@edef\@currentlabel{%
12982 \csname p@mpfootnote\endcsname\@thefnmark}%
12983 \color@begingroup
12984 \@fourcolRTLfootfmt{#1}%
12985 \color@endgroup}%
12986 \m@m@prepare}
12987 \newcommand{\@mpFourColRTLfootnotetext}[1]{%
12988 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12989 \global\setbox\@mpfootinsv@r\vbox{%
12990 \unvbox\@mpfootinsv@r
12991 \RTLtrue
12992 \def\baselinestretch{\m@m@footnote@spacing}%
12993 \reset@font\RTLfoottextfont
12994 \hsize\columnwidth \@parboxrestore
12995 \protected@edef\@currentlabel{%
12996 \csname p@mpfootnote\endcsname\@thefnmark}%
12997 \color@begingroup
12998 \@fourcolRTLfootfmt{#1}%
12999 \color@endgroup}%
13000 \m@m@prepare}
13001 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
13002 \@namedef{@fourcol@footgroup#1}{%
13003 \def\baselinestretch{\m@m@footnote@spacing}%
13004 \hsize\bidi@columnwidth
13005 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13006 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}
13007 \newcommand{\bidi@make@fourcol@LTRfootgroup}[1]{%
13008 \@namedef{@fourcol@LTRfootgroup#1}{%
13009 \def\baselinestretch{\m@m@footnote@spacing}%
13010 \hsize\bidi@columnwidth
13011 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13012 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}
13013 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
13014 \@namedef{@mpfourcol@footgroup#1}{%
13015 \def\baselinestretch{\m@m@footnote@spacing}%
13016 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13017 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}
13018 \newcommand{\bidi@make@mpfourcol@LTRfootgroup}[1]{%
13019 \@namedef{@mpfourcol@LTRfootgroup#1}{%
13020 \def\baselinestretch{\m@m@footnote@spacing}%
13021 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13022 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}
13023 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
13024 \@namedef{foottextfontv@r}{\foottextfont}% \ [RS]
13025 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13026 \@bidi@before@Hy@hyperfootnotes
13027 \let\@footnotetext\@fivecolfootnotetext
13028 \let\@LTRfootnotetext\@fivecolLTRfootnotetext

```



```

13029 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
13030 \dimen\footinsv@r=5\footinsdim
13031 \count\footinsv@r=200\relax
13032 \m@make@fivecol@footgroup{v@r}%
13033 \let\@footgroupv@r\@fivecol@footgroupv@r
13034 \dimen\footinsv@l=5\footinsdim
13035 \count\footinsv@l=200\relax
13036 \bidi@make@fivecol@LTRfootgroup{v@l}%
13037 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13038 \let\@mpfootnotetext\@mpfivecolfootnotetext
13039 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
13040 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
13041 \@bidi@after@Hy@hyperfootnotes
13042 \m@make@mpfivecol@footgroup{v@r}%
13043 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
13044 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13045 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13046 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13047 }
13048 \newcommand{\FiveColumnFootnotes}{%
13049 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13050 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13051 \@bidi@before@Hy@hyperfootnotes
13052 \let\@footnotetext\@FiveColfootnotetext
13053 \let\@LTRfootnotetext\@FiveColLTRfootnotetext
13054 \let\@RTLfootnotetext\@FiveColRTLfootnotetext
13055 \dimen\footinsv@r=5\footinsdim
13056 \count\footinsv@r=200\relax
13057 \m@make@fivecol@footgroup{v@r}%
13058 \let\@footgroupv@r\@fivecol@footgroupv@r
13059 \dimen\footinsv@l=5\footinsdim
13060 \count\footinsv@l=200\relax
13061 \bidi@make@fivecol@LTRfootgroup{v@l}%
13062 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13063 \let\@mpfootnotetext\@mpFiveColfootnotetext
13064 \let\@mpLTRfootnotetext\@mpFiveColLTRfootnotetext
13065 \let\@mpRTLfootnotetext\@mpFiveColRTLfootnotetext
13066 \@bidi@after@Hy@hyperfootnotes
13067 \m@make@mpfivecol@footgroup{v@r}%
13068 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
13069 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13070 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13071 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13072 }
13073 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert
13074 \if@RTL@footnote
13075 \footinsv@r
13076 \else
13077 \footinsv@l
13078 \fi
13079 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13080 \def\baselinestretch{\m@m@footnote@spacing}%
13081 \reset@font\foottextfont
13082 \@preamfntext

```



```

13083 \protected@edef\@currentlabel{%
13084 \csname p@footnote\endcsname\@thefnmark}%
13085 \color@begingroup
13086 \@fivecolfootfmt{#1}%
13087 \color@endgroup}%
13088 \m@mmf@prepare}
13089 \newcommand{\@FiveColfootnotetext}[1]{%
13090 \bidi@step@absolute@footnote@count
13091 \if@RTL@footnote
13092 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13093 \else
13094 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13095 \fi
13096 \global\setbox
13097 \if@RTL@footnote
13098 \footinsv@r
13099 \else
13100 \footinsv@l
13101 \fi
13102 \vbox{%
13103 \unvbox
13104 \if@RTL@footnote
13105 \footinsv@r
13106 \else
13107 \footinsv@l
13108 \fi
13109 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13110 \def\baselinestretch{\m@m@footnote@spacing}%
13111 \reset@font\foottextfont
13112 \@preamfntext
13113 \protected@edef\@currentlabel{%
13114 \csname p@footnote\endcsname\@thefnmark}%
13115 \color@begingroup
13116 \@fivecolfootfmt{#1}%
13117 \color@endgroup}%
13118 \m@mmf@prepare
13119 \if@RTL@footnote
13120 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13121 \else
13122 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13123 \fi
13124 }
13125 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13126 \def\baselinestretch{\m@m@footnote@spacing}%
13127 \reset@font\LTRfoottextfont
13128 \@preamfntext
13129 \protected@edef\@currentlabel{%
13130 \csname p@footnote\endcsname\@thefnmark}%
13131 \color@begingroup
13132 \@fivecolLTRfootfmt{#1}%
13133 \color@endgroup}%
13134 \m@mmf@prepare}
13135 \newcommand{\@FiveCollTRfootnotetext}[1]{%
13136 \bidi@step@absolute@footnote@count

```



```

13137 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13138 \global\setbox\footinsv@l\vbox{%
13139 \unvbox\footinsv@l
13140 \@RTLfalse
13141 \def\baselinestretch{\m@m@footnote@spacing}%
13142 \reset@font\LTRfoottextfont
13143 \@preamfntext
13144 \protected@edef\@currentlabel{%
13145 \csname p@footnote\endcsname\@thefnmark}%
13146 \color@begingroup
13147 \@fivecolLTRfootfmt{#1}%
13148 \color@endgroup}%
13149 \m@mmf@prepare
13150 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\LTRfootgroupv@l
13151 }
13152 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13153 \def\baselinestretch{\m@m@footnote@spacing}%
13154 \reset@font\RTLfoottextfont
13155 \@preamfntext
13156 \protected@edef\@currentlabel{%
13157 \csname p@footnote\endcsname\@thefnmark}%
13158 \color@begingroup
13159 \@fivecolRTLfootfmt{#1}%
13160 \color@endgroup}%
13161 \m@mmf@prepare}
13162 \newcommand{\@FiveColRTLfootnotetext}[1]{%
13163 \bidi@step@absolute@footnote@count
13164 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\LTRfootgroupv@l
13165 \global\setbox\footinsv@r\vbox{%
13166 \unvbox\footinsv@r
13167 \@RTLtrue
13168 \def\baselinestretch{\m@m@footnote@spacing}%
13169 \reset@font\RTLfoottextfont
13170 \@preamfntext
13171 \protected@edef\@currentlabel{%
13172 \csname p@footnote\endcsname\@thefnmark}%
13173 \color@begingroup
13174 \@fivecolRTLfootfmt{#1}%
13175 \color@endgroup}%
13176 \m@mmf@prepare
13177 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13178 }
13179 \bidi@ensure@newcommand{\@preamfivefmt}{%
13180 \hsize .2\hsize
13181 \parindent=\z@
13182 \tolerance=5000\relax
13183 \leavevmode}
13184 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
13185 \@preamfivefmt
13186 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13187 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
13188 \@preamfivefmt
13189 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13190 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%

```



```

13191 \@preamfivefmt
13192 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13193 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
13194   \global\setbox
13195     \if@RTL@footnote
13196     \@mpfootinsv@r
13197   \else
13198     \@mpfootinsv@l
13199   \fi
13200   \vbox{%
13201     \unvbox
13202     \if@RTL@footnote
13203     \@mpfootinsv@r
13204   \else
13205     \@mpfootinsv@l
13206   \fi
13207   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13208   \def\baselinestretch{\m@m@footnote@spacing}%
13209   \reset@font\foottextfont
13210   \hsize\columnwidth \@parboxrestore
13211   \protected@edef\@currentlabel{%
13212     \csname p@mpfootnote\endcsname\@thefnmark}%
13213   \color@begingroup
13214     \@fivecolfootfmt{#1}%
13215   \color@endgroup}%
13216   \m@m@mf@prepare}
13217 \newcommand{\@mpFiveColfootnotetext}[1]{%
13218   \if@RTL@footnote
13219     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13220   \else
13221     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13222   \fi
13223   \global\setbox
13224     \if@RTL@footnote
13225     \@mpfootinsv@r
13226   \else
13227     \@mpfootinsv@l
13228   \fi
13229   \vbox{%
13230     \unvbox
13231     \if@RTL@footnote
13232     \@mpfootinsv@r
13233   \else
13234     \@mpfootinsv@l
13235   \fi
13236   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13237   \def\baselinestretch{\m@m@footnote@spacing}%
13238   \reset@font\foottextfont
13239   \hsize\columnwidth \@parboxrestore
13240   \protected@edef\@currentlabel{%
13241     \csname p@mpfootnote\endcsname\@thefnmark}%
13242   \color@begingroup
13243     \@fivecolfootfmt{#1}%
13244   \color@endgroup}%

```



```

13245 \m@mmf@prepare}
13246 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
13247 \global\setbox\@mpfootinsv@l\vbox{%
13248 \unvbox\@mpfootinsv@l
13249 \@RTLfalse
13250 \def\baselinestretch{\m@m@footnote@spacing}%
13251 \reset@font\LTRfoottextfont
13252 \hsize\columnwidth \@parboxrestore
13253 \protected@edef\@currentlabel{%
13254 \csname p@mpfootnote\endcsname\@thefnmark}%
13255 \color@begingroup
13256 \@fivecolLTRfootfmt{#1}%
13257 \color@endgroup}%
13258 \m@mmf@prepare}
13259 \newcommand{\@mpFiveColLTRfootnotetext}[1]{%
13260 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13261 \global\setbox\@mpfootinsv@l\vbox{%
13262 \unvbox\@mpfootinsv@l
13263 \@RTLfalse
13264 \def\baselinestretch{\m@m@footnote@spacing}%
13265 \reset@font\LTRfoottextfont
13266 \hsize\columnwidth \@parboxrestore
13267 \protected@edef\@currentlabel{%
13268 \csname p@mpfootnote\endcsname\@thefnmark}%
13269 \color@begingroup
13270 \@fivecolLTRfootfmt{#1}%
13271 \color@endgroup}%
13272 \m@mmf@prepare}
13273 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
13274 \global\setbox\@mpfootinsv@r\vbox{%
13275 \unvbox\@mpfootinsv@r
13276 \@RTLtrue
13277 \def\baselinestretch{\m@m@footnote@spacing}%
13278 \reset@font\RTLfoottextfont
13279 \hsize\columnwidth \@parboxrestore
13280 \protected@edef\@currentlabel{%
13281 \csname p@mpfootnote\endcsname\@thefnmark}%
13282 \color@begingroup
13283 \@fivecolRTLfootfmt{#1}%
13284 \color@endgroup}%
13285 \m@mmf@prepare}
13286 \newcommand{\@mpFiveColRTLfootnotetext}[1]{%
13287 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13288 \global\setbox\@mpfootinsv@r\vbox{%
13289 \unvbox\@mpfootinsv@r
13290 \@RTLtrue
13291 \def\baselinestretch{\m@m@footnote@spacing}%
13292 \reset@font\RTLfoottextfont
13293 \hsize\columnwidth \@parboxrestore
13294 \protected@edef\@currentlabel{%
13295 \csname p@mpfootnote\endcsname\@thefnmark}%
13296 \color@begingroup
13297 \@fivecolRTLfootfmt{#1}%
13298 \color@endgroup}%

```




```

13299 \m@mmf@prepare}
13300 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
13301 \@namedef{@fivecol@footgroup#1}{%
13302 \def\baselinestretch{\m@m@footnote@spacing}%
13303 \hsize\bidi@columnwidth
13304 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13305 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}
13306 \newcommand{\bidi@make@fivecol@LTRfootgroup}[1]{%
13307 \@namedef{@fivecol@LTRfootgroup#1}{%
13308 \def\baselinestretch{\m@m@footnote@spacing}%
13309 \hsize\bidi@columnwidth
13310 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13311 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}
13312 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
13313 \@namedef{@mpfivecol@footgroup#1}{%
13314 \def\baselinestretch{\m@m@footnote@spacing}%
13315 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13316 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}
13317 \newcommand{\bidi@make@mpfivecol@LTRfootgroup}[1]{%
13318 \@namedef{@mpfivecol@LTRfootgroup#1}{%
13319 \def\baselinestretch{\m@m@footnote@spacing}%
13320 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13321 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}
13322 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
13323 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13324 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13325 \@bidi@before@Hy@hyperfootnotes
13326 \let\@footnotetext\@sixcolfootnotetext
13327 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
13328 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
13329 \dimen\footinsv@r=6\footinsdim
13330 \count\footinsv@r=166\relax
13331 \m@make@sixcol@footgroup{v@r}%
13332 \let\@footgroupv@r\@sixcol@footgroupv@r
13333 \dimen\footinsv@l=6\footinsdim
13334 \count\footinsv@l=166\relax
13335 \bidi@make@sixcol@LTRfootgroup{v@l}%
13336 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13337 \let\@mpfootnotetext\@mpsixcolfootnotetext
13338 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
13339 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
13340 \@bidi@after@Hy@hyperfootnotes
13341 \m@make@mpsixcol@footgroup{v@r}%
13342 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13343 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13344 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13345 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13346 }
13347 \newcommand{\SixColumnFootnotes}{%
13348 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13349 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13350 \@bidi@before@Hy@hyperfootnotes
13351 \let\@footnotetext\@SixColfootnotetext
13352 \let\@LTRfootnotetext\@SixColLTRfootnotetext

```



```

13353 \let\@RTLfootnotetext\@SixColRTLfootnotetext
13354 \dimen\footinsv@r=6\footinsdim
13355 \count\footinsv@r=166\relax
13356 \m@make@sixcol@footgroup{v@r}%
13357 \let\@footgroupv@r\@sixcol@footgroupv@r
13358 \dimen\footinsv@l=6\footinsdim
13359 \count\footinsv@l=166\relax
13360 \bidi@make@sixcol@LTRfootgroup{v@l}%
13361 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13362 \let\@mpfootnotetext\@mpSixColfootnotetext
13363 \let\@mpLTRfootnotetext\@mpSixColLTRfootnotetext
13364 \let\@mpRTLfootnotetext\@mpSixColRTLfootnotetext
13365 \@bidi@after@Hy@hyperfootnotes
13366 \m@make@mpsixcol@footgroup{v@r}%
13367 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13368 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13369 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13370 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13371 }
13372 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert
13373 \if@RTL@footnote
13374 \footinsv@r
13375 \else
13376 \footinsv@l
13377 \fi
13378 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13379 \def\baselinestretch{\m@m@footnote@spacing}%
13380 \reset@font\foottextfont
13381 \@preamfntext
13382 \protected@edef\@currentlabel{%
13383 \csname p@footnote\endcsname\@thefnmark}%
13384 \color@begingroup
13385 \@sixcolfootfmt{#1}%
13386 \color@endgroup}%
13387 \m@mmf@prepare}
13388 \newcommand{\@SixColfootnotetext}[1]{%
13389 \bidi@step@absolute@footnote@count
13390 \if@RTL@footnote
13391 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13392 \else
13393 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13394 \fi
13395 \global\setbox
13396 \if@RTL@footnote
13397 \footinsv@r
13398 \else
13399 \footinsv@l
13400 \fi
13401 \vbox{%
13402 \unvbox
13403 \if@RTL@footnote
13404 \footinsv@r
13405 \else
13406 \footinsv@l

```



```

13407 \fi
13408 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13409 \def\baselinestretch{\m@m@footnote@spacing}%
13410 \reset@font\foottextfont
13411 \@preamfntext
13412 \protected@edef\@currentlabel{%
13413   \csname p@footnote\endcsname\@thefnmark}%
13414 \color@begingroup
13415   \@sixcolfootfmt{#1}%
13416 \color@endgroup}%
13417 \m@mmf@prepare
13418 \ifRTL@footnote
13419   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13420 \else
13421   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13422 \fi
13423 }
13424 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13425   \def\baselinestretch{\m@m@footnote@spacing}%
13426   \reset@font\LTRfoottextfont
13427   \@preamfntext
13428   \protected@edef\@currentlabel{%
13429     \csname p@footnote\endcsname\@thefnmark}%
13430   \color@begingroup
13431     \@sixcolLTRfootfmt{#1}%
13432   \color@endgroup}%
13433   \m@mmf@prepare}
13434 \newcommand{\@SixColLTRfootnotetext}[1]{%
13435   \bidi@step@absolute@footnote@count
13436   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13437   \global\setbox\footinsv@l\vbox{%
13438     \unvbox\footinsv@l
13439     \@RTLfalse
13440     \def\baselinestretch{\m@m@footnote@spacing}%
13441     \reset@font\LTRfoottextfont
13442     \@preamfntext
13443     \protected@edef\@currentlabel{%
13444       \csname p@footnote\endcsname\@thefnmark}%
13445     \color@begingroup
13446       \@sixcolLTRfootfmt{#1}%
13447     \color@endgroup}%
13448     \m@mmf@prepare
13449     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13450 }
13451 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13452   \def\baselinestretch{\m@m@footnote@spacing}%
13453   \reset@font\RTLfoottextfont
13454   \@preamfntext
13455   \protected@edef\@currentlabel{%
13456     \csname p@footnote\endcsname\@thefnmark}%
13457   \color@begingroup
13458     \@sixcolRTLfootfmt{#1}%
13459   \color@endgroup}%
13460   \m@mmf@prepare}

```



```

13461 \newcommand{\@SixColRTLfootnotetext}[1]{%
13462   \bidi@step@absolute@footnote@count
13463   \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13464   \global\setbox\footinsv@r\vbox{%
13465     \unvbox\footinsv@r
13466     \RTLtrue
13467     \def\baselinestretch{\m@m@footnote@spacing}%
13468     \reset@font\RTLfoottextfont
13469     \@preamfntext
13470     \protected@edef\@currentlabel{%
13471       \csname p@footnote\endcsname\@thefnmark}%
13472     \color@begingroup
13473     \@sixcolRTLfootfmt{#1}%
13474     \color@endgroup}%
13475     \m@mmf@prepare
13476     \bidi@reinsert@final@footnote@perpage\footinsv@r\@footstartv@r\@footgroupv@r
13477 }
13478 \bidi@ensure@newcommand{\@preamsixfmt}{%
13479   \hsize .16\hsize
13480   \parindent=\z@
13481   \tolerance=5000\relax
13482   \leavevmode}
13483 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
13484   \@preamsixfmt
13485   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13486 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
13487   \@preamsixfmt
13488   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13489 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
13490   \@preamsixfmt
13491   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13492 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{%
13493   \global\setbox
13494     \if@RTL@footnote
13495     \@mpfootinsv@r
13496   \else
13497     \@mpfootinsv@l
13498   \fi
13499   \vbox{%
13500     \unvbox
13501     \if@RTL@footnote
13502     \@mpfootinsv@r
13503   \else
13504     \@mpfootinsv@l
13505   \fi
13506   \if@RTL@footnote\RTLtrue\else\RTLfalse\fi
13507   \def\baselinestretch{\m@m@footnote@spacing}%
13508   \reset@font\foottextfont
13509   \hsize\columnwidth \@parboxrestore
13510   \protected@edef\@currentlabel{%
13511     \csname p@mpfootnote\endcsname\@thefnmark}%
13512   \color@begingroup
13513   \@sixcolfootfmt{#1}%
13514   \color@endgroup}%

```



```

13515 \m@mmf@prepare}
13516 \newcommand{\@mpSixColfootnotetext}[1]{%
13517   \if@RTL@footnote
13518     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13519   \else
13520     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13521   \fi
13522   \global\setbox
13523     \if@RTL@footnote
13524     \@mpfootinsv@r
13525   \else
13526     \@mpfootinsv@l
13527   \fi
13528   \vbox{%
13529     \unvbox
13530     \if@RTL@footnote
13531     \@mpfootinsv@r
13532   \else
13533     \@mpfootinsv@l
13534   \fi
13535   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13536   \def\baselinestretch{\m@m@footnote@spacing}%
13537   \reset@font\foottextfont
13538   \hsize\columnwidth \@parboxrestore
13539   \protected@edef\@currentlabel{%
13540     \csname p@mpfootnote\endcsname\@thefnmark}%
13541   \color@begingroup
13542     \@sixcolfootfmt{#1}%
13543   \color@endgroup}%
13544   \m@mmf@prepare}
13545 \bidi@ensure@newcommand{\@mpSixColLTRfootnotetext}[1]{%
13546   \global\setbox\@mpfootinsv@l\vbox{%
13547     \unvbox\@mpfootinsv@l
13548     \@RTLfalse
13549     \def\baselinestretch{\m@m@footnote@spacing}%
13550     \reset@font\LTRfoottextfont
13551     \hsize\columnwidth \@parboxrestore
13552     \protected@edef\@currentlabel{%
13553       \csname p@mpfootnote\endcsname\@thefnmark}%
13554     \color@begingroup
13555       \@sixcolLTRfootfmt{#1}%
13556     \color@endgroup}%
13557   \m@mmf@prepare}
13558 \newcommand{\@mpSixColLTRfootnotetext}[1]{%
13559   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13560   \global\setbox\@mpfootinsv@l\vbox{%
13561     \unvbox\@mpfootinsv@l
13562     \@RTLfalse
13563     \def\baselinestretch{\m@m@footnote@spacing}%
13564     \reset@font\LTRfoottextfont
13565     \hsize\columnwidth \@parboxrestore
13566     \protected@edef\@currentlabel{%
13567       \csname p@mpfootnote\endcsname\@thefnmark}%
13568     \color@begingroup

```



```

13569 \sixcolLTRfootfmt{#1}%
13570 \color@endgroup}%
13571 \m@mmf@prepare}
13572 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{%
13573 \global\setbox\@mpfootinsv@r\vbox{%
13574 \unvbox\@mpfootinsv@r
13575 \RTLtrue
13576 \def\baselinestretch{\m@mm@footnote@spacing}%
13577 \reset@font\RTLfoottextfont
13578 \hsize\columnwidth \@parboxrestore
13579 \protected@edef\@currentlabel{%
13580 \csname p@mpfootnote\endcsname\@thefnmark}%
13581 \color@begingroup
13582 \sixcolRTLfootfmt{#1}%
13583 \color@endgroup}%
13584 \m@mmf@prepare}
13585 \newcommand{\@mpSixColRTLfootnotetext}[1]{%
13586 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13587 \global\setbox\@mpfootinsv@r\vbox{%
13588 \unvbox\@mpfootinsv@r
13589 \RTLtrue
13590 \def\baselinestretch{\m@mm@footnote@spacing}%
13591 \reset@font\RTLfoottextfont
13592 \hsize\columnwidth \@parboxrestore
13593 \protected@edef\@currentlabel{%
13594 \csname p@mpfootnote\endcsname\@thefnmark}%
13595 \color@begingroup
13596 \sixcolRTLfootfmt{#1}%
13597 \color@endgroup}%
13598 \m@mmf@prepare}
13599 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
13600 \@namedef{@sixcol@footgroup#1}{%
13601 \def\baselinestretch{\m@mm@footnote@spacing}%
13602 \hsize\bidi@columnwidth
13603 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13604 \m@mmrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}
13605 \newcommand{\bidi@make@sixcol@LTRfootgroup}[1]{%
13606 \@namedef{@sixcol@LTRfootgroup#1}{%
13607 \def\baselinestretch{\m@mm@footnote@spacing}%
13608 \hsize\bidi@columnwidth
13609 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13610 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}
13611 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
13612 \@namedef{@mpsixcol@footgroup#1}{%
13613 \def\baselinestretch{\m@mm@footnote@spacing}%
13614 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13615 \m@mmrigidbalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}
13616 \newcommand{\bidi@make@mpsixcol@LTRfootgroup}[1]{%
13617 \@namedef{@mpsixcol@LTRfootgroup#1}{%
13618 \def\baselinestretch{\m@mm@footnote@spacing}%
13619 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13620 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}
13621 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
13622 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]

```



```

13623 \@namedef{foottextfontv@1}{\LTRfoottextfont}%
13624 \@bidi@before@Hy@hyperfootnotes
13625 \let\@footnotetext\@sevencolfootnotetext
13626 \let\@LTRfootnotetext\@sevencolLTRfootnotetext
13627 \let\@RTLfootnotetext\@sevencolRTLfootnotetext
13628 \dimen\footinsv@r=7\footinsdim
13629 \count\footinsv@r=142\relax
13630 \m@make@sevencol@footgroup{v@r}%
13631 \let\@footgroupv@r\@sevencol@footgroupv@r
13632 \dimen\footinsv@l=7\footinsdim
13633 \count\footinsv@l=142\relax
13634 \bidi@make@sevencol@LTRfootgroup{v@l}%
13635 \let\@LTRfootgroupv@l\@sevencol@LTRfootgroupv@l
13636 \let\@mpfootnotetext\@mpsevencolfootnotetext
13637 \let\@mpLTRfootnotetext\@mpsevencolLTRfootnotetext
13638 \let\@mpRTLfootnotetext\@mpsevencolRTLfootnotetext
13639 \@bidi@after@Hy@hyperfootnotes
13640 \m@make@mpsevencol@footgroup{v@r}%
13641 \let\mp@footgroupv@r\@mpsevencol@footgroupv@r
13642 \bidi@make@mpsevencol@LTRfootgroup{v@l}%
13643 \let\mp@LTRfootgroupv@l\@mpsevencol@LTRfootgroupv@l
13644 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13645 }
13646 \newcommand{\SevenColumnFootnotes}{%
13647 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13648 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13649 \@bidi@before@Hy@hyperfootnotes
13650 \let\@footnotetext\@SevenColfootnotetext
13651 \let\@LTRfootnotetext\@SevenColLTRfootnotetext
13652 \let\@RTLfootnotetext\@SevenColRTLfootnotetext
13653 \dimen\footinsv@r=7\footinsdim
13654 \count\footinsv@r=142\relax
13655 \m@make@sevencol@footgroup{v@r}%
13656 \let\@footgroupv@r\@sevencol@footgroupv@r
13657 \dimen\footinsv@l=7\footinsdim
13658 \count\footinsv@l=142\relax
13659 \bidi@make@sevencol@LTRfootgroup{v@l}%
13660 \let\@LTRfootgroupv@l\@sevencol@LTRfootgroupv@l
13661 \let\@mpfootnotetext\@mpSevenColfootnotetext
13662 \let\@mpLTRfootnotetext\@mpSevenColLTRfootnotetext
13663 \let\@mpRTLfootnotetext\@mpSevenColRTLfootnotetext
13664 \@bidi@after@Hy@hyperfootnotes
13665 \m@make@mpsevencol@footgroup{v@r}%
13666 \let\mp@footgroupv@r\@mpsevencol@footgroupv@r
13667 \bidi@make@mpsevencol@LTRfootgroup{v@l}%
13668 \let\mp@LTRfootgroupv@l\@mpsevencol@LTRfootgroupv@l
13669 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13670 }
13671 \bidi@ensure@newcommand{\@sevencolfootnotetext}[1]{\insert
13672 \if@RTL@footnote
13673 \footinsv@r
13674 \else
13675 \footinsv@l
13676 \fi

```



```

13677 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13678 \def\baselinestretch{\m@m@footnote@spacing}%
13679 \reset@font\foottextfont
13680 \@preamfntext
13681 \protected@edef\@currentlabel{%
13682 \csname p@footnote\endcsname\@thefnmark}%
13683 \color@begingroup
13684 \@sevendcolfootfmt{#1}%
13685 \color@endgroup}%
13686 \m@mmf@prepare}
13687 \newcommand{\@SevenColfootnotetext}[1]{%
13688 \bidi@step@absolute@footnote@count
13689 \if@RTL@footnote
13690 \bidi@reinsertfootnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
13691 \else
13692 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13693 \fi
13694 \global\setbox
13695 \if@RTL@footnote
13696 \footinsv@r
13697 \else
13698 \footinsv@1
13699 \fi
13700 \vbox{%
13701 \unvbox
13702 \if@RTL@footnote
13703 \footinsv@r
13704 \else
13705 \footinsv@1
13706 \fi
13707 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13708 \def\baselinestretch{\m@m@footnote@spacing}%
13709 \reset@font\foottextfont
13710 \@preamfntext
13711 \protected@edef\@currentlabel{%
13712 \csname p@footnote\endcsname\@thefnmark}%
13713 \color@begingroup
13714 \@sevendcolfootfmt{#1}%
13715 \color@endgroup}%
13716 \m@mmf@prepare
13717 \if@RTL@footnote
13718 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13719 \else
13720 \bidi@reinsertfinalfootnoteperpage\footinsv@1\@footstartv@1\@LTRfootgroupv@1
13721 \fi
13722 }
13723 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@1{\@RTLfalse%
13724 \def\baselinestretch{\m@m@footnote@spacing}%
13725 \reset@font\LTRfoottextfont
13726 \@preamfntext
13727 \protected@edef\@currentlabel{%
13728 \csname p@footnote\endcsname\@thefnmark}%
13729 \color@begingroup
13730 \@sevendcolLTRfootfmt{#1}%

```




```

13731 \color@endgroup}%
13732 \m@mmf@prepare}
13733 \newcommand{\@SevenColLTRfootnotetext}[1]{%
13734 \bidi@step@absolute@footnote@count
13735 \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
13736 \global\setbox\footinsv@l\vbox{%
13737 \unvbox\footinsv@l
13738 \@RTLfalse
13739 \def\baselinestretch{\m@m@footnote@spacing}%
13740 \reset@font\LTRfoottextfont
13741 \@preamfntext
13742 \protected@edef\@currentlabel{%
13743 \csname p@footnote\endcsname\@thefnmark}%
13744 \color@begingroup
13745 \@sevendcolLTRfootfmt{#1}%
13746 \color@endgroup}%
13747 \m@mmf@prepare
13748 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13749 }
13750 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13751 \def\baselinestretch{\m@m@footnote@spacing}%
13752 \reset@font\RTLfoottextfont
13753 \@preamfntext
13754 \protected@edef\@currentlabel{%
13755 \csname p@footnote\endcsname\@thefnmark}%
13756 \color@begingroup
13757 \@sevendcolRTLfootfmt{#1}%
13758 \color@endgroup}%
13759 \m@mmf@prepare}
13760 \newcommand{\@SevenColRTLfootnotetext}[1]{%
13761 \bidi@step@absolute@footnote@count
13762 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13763 \global\setbox\footinsv@r\vbox{%
13764 \unvbox\footinsv@r
13765 \@RTLtrue
13766 \def\baselinestretch{\m@m@footnote@spacing}%
13767 \reset@font\RTLfoottextfont
13768 \@preamfntext
13769 \protected@edef\@currentlabel{%
13770 \csname p@footnote\endcsname\@thefnmark}%
13771 \color@begingroup
13772 \@sevendcolRTLfootfmt{#1}%
13773 \color@endgroup}%
13774 \m@mmf@prepare
13775 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13776 }
13777 \bidi@ensure@newcommand{\@preamsevenfmt}{%
13778 \hsize .142\hsize
13779 \parindent=\z@
13780 \tolerance=5000\relax
13781 \leavevmode}
13782 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
13783 \@preamsevenfmt
13784 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}

```



```

13785 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
13786   \@preamsevenfmt
13787   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13788 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
13789   \@preamsevenfmt
13790   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13791 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{%
13792   \global\setbox
13793     \if@RTL@footnote
13794     \@mpfootinsv@r
13795   \else
13796     \@mpfootinsv@l
13797   \fi
13798   \vbox{%
13799     \unvbox
13800     \if@RTL@footnote
13801     \@mpfootinsv@r
13802   \else
13803     \@mpfootinsv@l
13804   \fi
13805   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13806   \def\baselinestretch{\m@mm@footnote@spacing}%
13807   \reset@font\foottextfont
13808   \hsize\columnwidth \@parboxrestore
13809   \protected@edef\@currentlabel{%
13810     \csname p@mpfootnote\endcsname\@thefnmark}%
13811   \color@begingroup
13812     \@sevendcolfootfmt{#1}%
13813   \color@endgroup}%
13814   \m@mmf@prepare}
13815 \newcommand{\@mpSevenColfootnotetext}[1]{%
13816   \if@RTL@footnote
13817     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13818   \else
13819     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13820   \fi
13821   \global\setbox
13822     \if@RTL@footnote
13823     \@mpfootinsv@r
13824   \else
13825     \@mpfootinsv@l
13826   \fi
13827   \vbox{%
13828     \unvbox
13829     \if@RTL@footnote
13830     \@mpfootinsv@r
13831   \else
13832     \@mpfootinsv@l
13833   \fi
13834   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13835   \def\baselinestretch{\m@mm@footnote@spacing}%
13836   \reset@font\foottextfont
13837   \hsize\columnwidth \@parboxrestore
13838   \protected@edef\@currentlabel{%

```



```

13839     \csname p@mpfootnote\endcsname\@thefnmark}%
13840 \color@begingroup
13841     \@sevendcolfootfmt{#1}%
13842 \color@endgroup}%
13843 \m@mmf@prepare}
13844 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{%
13845 \global\setbox\@mpfootinsv@1\vbox{%
13846 \unvbox\@mpfootinsv@1
13847 \@RTLfalse
13848 \def\baselinestretch{\m@m@footnote@spacing}%
13849 \reset@font\LTRfoottextfont
13850 \hsize\columnwidth \@parboxrestore
13851 \protected@edef\@currentlabel{%
13852 \csname p@mpfootnote\endcsname\@thefnmark}%
13853 \color@begingroup
13854     \@sevendcolLTRfootfmt{#1}%
13855 \color@endgroup}%
13856 \m@mmf@prepare}
13857 \newcommand{\@mpSevenColLTRfootnotetext}[1]{%
13858 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13859 \global\setbox\@mpfootinsv@1\vbox{%
13860 \unvbox\@mpfootinsv@1
13861 \@RTLfalse
13862 \def\baselinestretch{\m@m@footnote@spacing}%
13863 \reset@font\LTRfoottextfont
13864 \hsize\columnwidth \@parboxrestore
13865 \protected@edef\@currentlabel{%
13866 \csname p@mpfootnote\endcsname\@thefnmark}%
13867 \color@begingroup
13868     \@sevendcolLTRfootfmt{#1}%
13869 \color@endgroup}%
13870 \m@mmf@prepare}
13871 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{%
13872 \global\setbox\@mpfootinsv@r\vbox{%
13873 \unvbox\@mpfootinsv@r
13874 \@RTLtrue
13875 \def\baselinestretch{\m@m@footnote@spacing}%
13876 \reset@font\RTLfoottextfont
13877 \hsize\columnwidth \@parboxrestore
13878 \protected@edef\@currentlabel{%
13879 \csname p@mpfootnote\endcsname\@thefnmark}%
13880 \color@begingroup
13881     \@sevendcolRTLfootfmt{#1}%
13882 \color@endgroup}%
13883 \m@mmf@prepare}
13884 \newcommand{\@mpSevenColRTLfootnotetext}[1]{%
13885 \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
13886 \global\setbox\@mpfootinsv@r\vbox{%
13887 \unvbox\@mpfootinsv@r
13888 \@RTLtrue
13889 \def\baselinestretch{\m@m@footnote@spacing}%
13890 \reset@font\RTLfoottextfont
13891 \hsize\columnwidth \@parboxrestore
13892 \protected@edef\@currentlabel{%

```



```

13893     \csname p@mpfootnote\endcsname\@thefnmark}%
13894 \color@begingroup
13895     \@sevenscolRTLfootfmt{#1}%
13896 \color@endgroup}%
13897 \m@mmf@prepare}
13898 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
13899 \@namedef{@sevenscol@footgroup#1}{%
13900 \def\baselinestretch{\m@m@footnote@spacing}%
13901 \hsize\bidi@columnwidth
13902 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13903 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
13904 \newcommand{\bidi@make@sevenscol@LTRfootgroup}[1]{%
13905 \@namedef{@sevenscol@LTRfootgroup#1}{%
13906 \def\baselinestretch{\m@m@footnote@spacing}%
13907 \hsize\bidi@columnwidth
13908 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13909 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
13910 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
13911 \@namedef{@mpsevenscol@footgroup#1}{%
13912 \def\baselinestretch{\m@m@footnote@spacing}%
13913 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13914 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
13915 \newcommand{\bidi@make@mpsevenscol@LTRfootgroup}[1]{%
13916 \@namedef{@mpsevenscol@LTRfootgroup#1}{%
13917 \def\baselinestretch{\m@m@footnote@spacing}%
13918 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13919 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
13920 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
13921 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13922 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13923 \@bidi@before@Hy@hyperfootnotes
13924 \let\@footnotetext\@eightcolfootnotetext
13925 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
13926 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
13927 \dimen\footinsv@r=8\footinsdim
13928 \count\footinsv@r=125\relax
13929 \m@make@eightcol@footgroup{v@r}%
13930 \let\@footgroupv@r\@eightcol@footgroupv@r
13931 \dimen\footinsv@l=8\footinsdim
13932 \count\footinsv@l=125\relax
13933 \bidi@make@eightcol@LTRfootgroup{v@l}%
13934 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
13935 \let\@mpfootnotetext\@mpeightcolfootnotetext
13936 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
13937 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
13938 \@bidi@after@Hy@hyperfootnotes
13939 \m@make@mpeightcol@footgroup{v@r}%
13940 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
13941 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
13942 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
13943 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13944 }
13945 \newcommand{\EightColumnFootnotes}{%
13946 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]

```



```

13947 \@namedef{foottextfontv@1}{\LTRfoottextfont}%
13948 \@bidi@before@Hy@hyperfootnotes
13949 \let\@footnotetext\@EightColfootnotetext
13950 \let\@LTRfootnotetext\@EightColLTRfootnotetext
13951 \let\@RTLfootnotetext\@EightColRTLfootnotetext
13952 \dimen\footinsv@r=8\footinsdim
13953 \count\footinsv@r=125\relax
13954 \m@make@eightcol@footgroup{v@r}%
13955 \let\@footgroupv@r\@eightcol@footgroupv@r
13956 \dimen\footinsv@l=8\footinsdim
13957 \count\footinsv@l=125\relax
13958 \bidi@make@eightcol@LTRfootgroup{v@l}%
13959 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
13960 \let\@mpfootnotetext\@mpEightColfootnotetext
13961 \let\@mpLTRfootnotetext\@mpEightColLTRfootnotetext
13962 \let\@mpRTLfootnotetext\@mpEightColRTLfootnotetext
13963 \@bidi@after@Hy@hyperfootnotes
13964 \m@make@mpeightcol@footgroup{v@r}%
13965 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
13966 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
13967 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
13968 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13969 }
13970 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert
13971 \if@RTL@footnote
13972 \footinsv@r
13973 \else
13974 \footinsv@l
13975 \fi
13976 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13977 \def\baselinestretch{\m@m@footnote@spacing}%
13978 \reset@font\foottextfont
13979 \@preamfntext
13980 \protected@edef\@currentlabel{%
13981 \csname p@footnote\endcsname\@thefnmark}%
13982 \color@begingroup
13983 \@eightcolfootfmt{#1}%
13984 \color@endgroup}%
13985 \m@mmf@prepare}
13986 \newcommand{\@EightColfootnotetext}[1]{%
13987 \bidi@step@absolutefootnote@count
13988 \if@RTL@footnote
13989 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13990 \else
13991 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13992 \fi
13993 \global\setbox
13994 \if@RTL@footnote
13995 \footinsv@r
13996 \else
13997 \footinsv@l
13998 \fi
13999 \vbox{%
14000 \unvbox

```



```

14001 \if@RTL@footnote
14002   \footinsv@r
14003 \else
14004   \footinsv@l
14005 \fi
14006 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14007 \def\baselinestretch{\m@m@footnote@spacing}%
14008 \reset@font\foottextfont
14009 \@preamfntext
14010 \protected@edef\@currentlabel{%
14011   \csname p@footnote\endcsname\@thefnmark}%
14012 \color@begingroup
14013   \@eightcolfootfmt{#1}%
14014 \color@endgroup}%
14015 \m@mmf@prepare
14016 \if@RTL@footnote
14017   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14018 \else
14019   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14020 \fi
14021 }
14022 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14023   \def\baselinestretch{\m@m@footnote@spacing}%
14024   \reset@font\LTRfoottextfont
14025   \@preamfntext
14026   \protected@edef\@currentlabel{%
14027     \csname p@footnote\endcsname\@thefnmark}%
14028   \color@begingroup
14029     \@eightcolLTRfootfmt{#1}%
14030   \color@endgroup}%
14031   \m@mmf@prepare}
14032 \newcommand{\@EightColLTRfootnotetext}[1]{%
14033   \bidi@step@absolute@footnote@count
14034   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14035   \global\setbox\footinsv@l\vbox{%
14036     \unvbox\footinsv@l
14037     \@RTLfalse
14038     \def\baselinestretch{\m@m@footnote@spacing}%
14039     \reset@font\LTRfoottextfont
14040     \@preamfntext
14041     \protected@edef\@currentlabel{%
14042       \csname p@footnote\endcsname\@thefnmark}%
14043     \color@begingroup
14044       \@eightcolLTRfootfmt{#1}%
14045     \color@endgroup}%
14046     \m@mmf@prepare
14047     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14048 }
14049 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14050   \def\baselinestretch{\m@m@footnote@spacing}%
14051   \reset@font\RTLfoottextfont
14052   \@preamfntext
14053   \protected@edef\@currentlabel{%
14054     \csname p@footnote\endcsname\@thefnmark}%

```



```

14055 \color@begingroup
14056   \@eightcolRTLfootfmt{#1}%
14057 \color@endgroup}%
14058 \m@mmf@prepare}
14059 \newcommand{\@EightColRTLfootnotetext}[1]{%
14060   \bidi@step@absolute@footnote@count
14061   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14062   \global\setbox\footinsv@r\vbox{%
14063     \unvbox\footinsv@r
14064     \@RTLtrue%
14065     \def\baselinestretch{\m@m@footnote@spacing}%
14066     \reset@font\RTLfoottextfont
14067     \@preamfntext
14068     \protected@edef\@currentlabel{%
14069       \csname p@footnote\endcsname\@thefnmark}%
14070     \color@begingroup
14071       \@eightcolRTLfootfmt{#1}%
14072     \color@endgroup}%
14073     \m@mmf@prepare
14074     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14075   }
14076 \bidi@ensure@newcommand{\@preameightfmt}{%
14077   \hsize .125\hsize
14078   \parindent=\z@
14079   \tolerance=5000\relax
14080   \leavevmode}
14081 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
14082   \@preameightfmt
14083   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14084 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
14085   \@preameightfmt
14086   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14087 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
14088   \@preameightfmt
14089   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14090 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
14091   \global\setbox
14092     \if@RTL@footnote
14093     \@mpfootinsv@r
14094   \else
14095     \@mpfootinsv@l
14096   \fi
14097   \vbox{%
14098     \unvbox
14099     \if@RTL@footnote
14100     \@mpfootinsv@r
14101   \else
14102     \@mpfootinsv@l
14103   \fi
14104   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14105   \def\baselinestretch{\m@m@footnote@spacing}%
14106   \reset@font\foottextfont
14107   \hsize\columnwidth \@parboxrestore
14108   \protected@edef\@currentlabel{%

```



```

14109     \csname p@mpfootnote\endcsname\@thefnmark}%
14110 \color@begingroup
14111   \@eightcolfootfmt{#1}%
14112 \color@endgroup}%
14113 \m@mmf@prepare}
14114 \newcommand{\@mpEightColfootnotetext}[1]{%
14115   \if@RTL@footnote
14116     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14117   \else
14118     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14119   \fi
14120 \global\setbox
14121   \if@RTL@footnote
14122     \@mpfootinsv@r
14123   \else
14124     \@mpfootinsv@l
14125   \fi
14126 \vbox{%
14127   \unvbox
14128   \if@RTL@footnote
14129     \@mpfootinsv@r
14130   \else
14131     \@mpfootinsv@l
14132   \fi
14133   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14134   \def\baselinestretch{\m@m@footnote@spacing}%
14135   \reset@font\foottextfont
14136   \hsize\columnwidth \@parboxrestore
14137   \protected@edef\@currentlabel{%
14138     \csname p@mpfootnote\endcsname\@thefnmark}%
14139   \color@begingroup
14140   \@eightcolfootfmt{#1}%
14141   \color@endgroup}%
14142   \m@mmf@prepare}
14143 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
14144   \global\setbox\@mpfootinsv@l\vbox{%
14145     \unvbox\@mpfootinsv@l
14146     \@RTLfalse
14147     \def\baselinestretch{\m@m@footnote@spacing}%
14148     \reset@font\LTRfoottextfont
14149     \hsize\columnwidth \@parboxrestore
14150     \protected@edef\@currentlabel{%
14151       \csname p@mpfootnote\endcsname\@thefnmark}%
14152     \color@begingroup
14153     \@eightcolLTRfootfmt{#1}%
14154     \color@endgroup}%
14155     \m@mmf@prepare}
14156 \newcommand{\@mpEightColLTRfootnotetext}[1]{%
14157   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14158   \global\setbox\@mpfootinsv@l\vbox{%
14159     \unvbox\@mpfootinsv@l
14160     \@RTLfalse
14161     \def\baselinestretch{\m@m@footnote@spacing}%
14162     \reset@font\LTRfoottextfont

```




```

14163 \hsize\columnwidth \@parboxrestore
14164 \protected@edef\@currentlabel{%
14165 \csname p@mpfootnote\endcsname\@thefnmark}%
14166 \color@begingroup
14167 \@eightcolLTRfootfmt{#1}%
14168 \color@endgroup}%
14169 \m@mmf@prepare}
14170 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
14171 \global\setbox\@mpfootinsv@r\vbox{%
14172 \unvbox\@mpfootinsv@r
14173 \RTLtrue
14174 \def\baselinestretch{\m@m@footnote@spacing}%
14175 \reset@font\RTLfoottextfont
14176 \hsize\columnwidth \@parboxrestore
14177 \protected@edef\@currentlabel{%
14178 \csname p@mpfootnote\endcsname\@thefnmark}%
14179 \color@begingroup
14180 \@eightcolRTLfootfmt{#1}%
14181 \color@endgroup}%
14182 \m@mmf@prepare}
14183 \newcommand{\@mpEightColRTLfootnotetext}[1]{%
14184 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14185 \global\setbox\@mpfootinsv@r\vbox{%
14186 \unvbox\@mpfootinsv@r
14187 \RTLtrue
14188 \def\baselinestretch{\m@m@footnote@spacing}%
14189 \reset@font\RTLfoottextfont
14190 \hsize\columnwidth \@parboxrestore
14191 \protected@edef\@currentlabel{%
14192 \csname p@mpfootnote\endcsname\@thefnmark}%
14193 \color@begingroup
14194 \@eightcolRTLfootfmt{#1}%
14195 \color@endgroup}%
14196 \m@mmf@prepare}
14197 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
14198 \@namedef{@eightcol@footgroup#1}{%
14199 \def\baselinestretch{\m@m@footnote@spacing}%
14200 \hsize\bidi@columnwidth
14201 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14202 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
14203 \newcommand{\bidi@make@eightcol@LTRfootgroup}[1]{%
14204 \@namedef{@eightcol@LTRfootgroup#1}{%
14205 \def\baselinestretch{\m@m@footnote@spacing}%
14206 \hsize\bidi@columnwidth
14207 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14208 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
14209 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
14210 \@namedef{@mpeightcol@footgroup#1}{%
14211 \def\baselinestretch{\m@m@footnote@spacing}%
14212 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14213 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
14214 \newcommand{\bidi@make@mpeightcol@LTRfootgroup}[1]{%
14215 \@namedef{@mpeightcol@LTRfootgroup#1}{%
14216 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

14217 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14218 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}
14219 \bidi@ensure@newcommand{\@ninecolumnfootnotes}{%
14220 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14221 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14222 \@bidi@before@Hy@hyperfootnotes
14223 \let\@footnotetext\@ninecolfootnotetext
14224 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
14225 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
14226 \dimen\footinsv@r=9\footinsdim
14227 \count\footinsv@r=111\relax
14228 \m@make@ninecol@footgroup{v@r}%
14229 \let\@footgroupv@r\@ninecol@footgroupv@r
14230 \dimen\footinsv@l=9\footinsdim
14231 \count\footinsv@l=111\relax
14232 \bidi@make@ninecol@LTRfootgroup{v@l}%
14233 \let\@LTRfootgroupv@l\@ninecol@LTRfootgroupv@l
14234 \let\@mpfootnotetext\@mpninecolfootnotetext
14235 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
14236 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
14237 \@bidi@after@Hy@hyperfootnotes
14238 \m@make@mpninecol@footgroup{v@r}%
14239 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
14240 \bidi@make@mpninecol@LTRfootgroup{v@l}%
14241 \let\mp@LTRfootgroupv@l\@mpninecol@LTRfootgroupv@l
14242 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14243 }
14244 \newcommand{\@NineColumnFootnotes}{%
14245 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14246 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14247 \@bidi@before@Hy@hyperfootnotes
14248 \let\@footnotetext\@NineColfootnotetext
14249 \let\@LTRfootnotetext\@NineColLTRfootnotetext
14250 \let\@RTLfootnotetext\@NineColRTLfootnotetext
14251 \dimen\footinsv@r=9\footinsdim
14252 \count\footinsv@r=111\relax
14253 \m@make@ninecol@footgroup{v@r}%
14254 \let\@footgroupv@r\@ninecol@footgroupv@r
14255 \dimen\footinsv@l=9\footinsdim
14256 \count\footinsv@l=111\relax
14257 \bidi@make@ninecol@LTRfootgroup{v@l}%
14258 \let\@LTRfootgroupv@l\@ninecol@LTRfootgroupv@l
14259 \let\@mpfootnotetext\@mpNineColfootnotetext
14260 \let\@mpLTRfootnotetext\@mpNineColLTRfootnotetext
14261 \let\@mpRTLfootnotetext\@mpNineColRTLfootnotetext
14262 \@bidi@after@Hy@hyperfootnotes
14263 \m@make@mpninecol@footgroup{v@r}%
14264 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
14265 \bidi@make@mpninecol@LTRfootgroup{v@l}%
14266 \let\mp@LTRfootgroupv@l\@mpninecol@LTRfootgroupv@l
14267 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14268 }
14269 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert
14270 \if@RTL@footnote

```



```

14271 \footinsv@r
14272 \else
14273 \footinsv@l
14274 \fi
14275 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14276 \def\baselinestretch{\m@m@footnote@spacing}%
14277 \reset@font\foottextfont
14278 \@preamfntext
14279 \protected@edef\@currentlabel{%
14280 \csname p@footnote\endcsname\@thefnmark}%
14281 \color@begingroup
14282 \@ninecolfootfmt{#1}%
14283 \color@endgroup}%
14284 \m@mmf@prepare}
14285 \newcommand{\@NineColfootnotetext}[1]{%
14286 \bidi@step@absolute@footnote@count
14287 \if@RTL@footnote
14288 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14289 \else
14290 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14291 \fi
14292 \global\setbox
14293 \if@RTL@footnote
14294 \footinsv@r
14295 \else
14296 \footinsv@l
14297 \fi
14298 \vbox{%
14299 \unvbox
14300 \if@RTL@footnote
14301 \footinsv@r
14302 \else
14303 \footinsv@l
14304 \fi
14305 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14306 \def\baselinestretch{\m@m@footnote@spacing}%
14307 \reset@font\foottextfont
14308 \@preamfntext
14309 \protected@edef\@currentlabel{%
14310 \csname p@footnote\endcsname\@thefnmark}%
14311 \color@begingroup
14312 \@ninecolfootfmt{#1}%
14313 \color@endgroup}%
14314 \m@mmf@prepare
14315 \if@RTL@footnote
14316 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14317 \else
14318 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14319 \fi
14320 }
14321 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14322 \def\baselinestretch{\m@m@footnote@spacing}%
14323 \reset@font\LTRfoottextfont
14324 \@preamfntext

```



```

14325 \protected@edef\@currentlabel{%
14326   \csname p@footnote\endcsname\@thefnmark}%
14327 \color@begingroup
14328   \@ninecolLTRfootfmt{#1}%
14329 \color@endgroup}%
14330 \m@mmf@prepare}
14331 \newcommand{\@NineColLTRfootnotetext}[1]{%
14332   \bidi@step@absolute@footnote@count
14333   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14334   \global\setbox\footinsv@l\vbox{%
14335     \unvbox\footinsv@l
14336     \@RTLfalse
14337     \def\baselinestretch{\m@m@footnote@spacing}%
14338     \reset@font\LTRfoottextfont
14339     \@preamfntext
14340     \protected@edef\@currentlabel{%
14341       \csname p@footnote\endcsname\@thefnmark}%
14342     \color@begingroup
14343       \@ninecolLTRfootfmt{#1}%
14344     \color@endgroup}%
14345     \m@mmf@prepare
14346     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14347   }
14348   \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14349     \def\baselinestretch{\m@m@footnote@spacing}%
14350     \reset@font\RTLfoottextfont
14351     \@preamfntext
14352     \protected@edef\@currentlabel{%
14353       \csname p@footnote\endcsname\@thefnmark}%
14354     \color@begingroup
14355       \@ninecolRTLfootfmt{#1}%
14356     \color@endgroup}%
14357     \m@mmf@prepare}
14358   \newcommand{\@NineColRTLfootnotetext}[1]{%
14359     \bidi@step@absolute@footnote@count
14360     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14361     \global\setbox\footinsv@r\vbox{%
14362       \unvbox\footinsv@r
14363       \@RTLtrue
14364       \def\baselinestretch{\m@m@footnote@spacing}%
14365       \reset@font\RTLfoottextfont
14366       \@preamfntext
14367       \protected@edef\@currentlabel{%
14368         \csname p@footnote\endcsname\@thefnmark}%
14369       \color@begingroup
14370         \@ninecolRTLfootfmt{#1}%
14371       \color@endgroup}%
14372       \m@mmf@prepare
14373       \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14374     }
14375   \bidi@ensure@newcommand{\@preamninefmt}{%
14376     \hsize .1\hsize
14377     \parindent=\z@
14378     \tolerance=5000\relax

```



```

14379 \leavevmode}
14380 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
14381 \@preamninefmt
14382 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14383 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
14384 \@preamninefmt
14385 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14386 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
14387 \@preamninefmt
14388 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14389 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
14390 \global\setbox
14391 \if@RTL@footnote
14392 \@mpfootinsv@r
14393 \else
14394 \@mpfootinsv@l
14395 \fi
14396 \vbox{%
14397 \unvbox
14398 \if@RTL@footnote
14399 \@mpfootinsv@r
14400 \else
14401 \@mpfootinsv@l
14402 \fi
14403 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14404 \def\baselinestretch{\m@mm@footnote@spacing}%
14405 \reset@font\foottextfont
14406 \hsize\columnwidth \@parboxrestore
14407 \protected@edef\@currentlabel{%
14408 \csname p@mpfootnote\endcsname\@thefnmark}%
14409 \color@begingroup
14410 \@ninecolfootfmt{#1}%
14411 \color@endgroup}%
14412 \m@mmf@prepare}
14413 \newcommand{\@mpNineColfootnotetext}[1]{%
14414 \if@RTL@footnote
14415 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14416 \else
14417 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14418 \fi
14419 \global\setbox
14420 \if@RTL@footnote
14421 \@mpfootinsv@r
14422 \else
14423 \@mpfootinsv@l
14424 \fi
14425 \vbox{%
14426 \unvbox
14427 \if@RTL@footnote
14428 \@mpfootinsv@r
14429 \else
14430 \@mpfootinsv@l
14431 \fi
14432 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi

```



```

14433 \def\baselinestretch{\m@m@footnote@spacing}%
14434 \reset@font\foottextfont
14435 \hsize\columnwidth \@parboxrestore
14436 \protected@edef\@currentlabel{%
14437 \csname p@mpfootnote\endcsname\@thefnmark}%
14438 \color@begingroup
14439 \@ninecolfootfmt{#1}%
14440 \color@endgroup}%
14441 \m@m@mmf@prepare}
14442 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
14443 \global\setbox\@mpfootinsv@l\vbox{%
14444 \unvbox\@mpfootinsv@l
14445 \@RTLfalse
14446 \def\baselinestretch{\m@m@footnote@spacing}%
14447 \reset@font\LTRfoottextfont
14448 \hsize\columnwidth \@parboxrestore
14449 \protected@edef\@currentlabel{%
14450 \csname p@mpfootnote\endcsname\@thefnmark}%
14451 \color@begingroup
14452 \@ninecolLTRfootfmt{#1}%
14453 \color@endgroup}%
14454 \m@m@mmf@prepare}
14455 \newcommand{\@mpNineColLTRfootnotetext}[1]{%
14456 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14457 \global\setbox\@mpfootinsv@l\vbox{%
14458 \unvbox\@mpfootinsv@l
14459 \@RTLfalse
14460 \def\baselinestretch{\m@m@footnote@spacing}%
14461 \reset@font\LTRfoottextfont
14462 \hsize\columnwidth \@parboxrestore
14463 \protected@edef\@currentlabel{%
14464 \csname p@mpfootnote\endcsname\@thefnmark}%
14465 \color@begingroup
14466 \@ninecolLTRfootfmt{#1}%
14467 \color@endgroup}%
14468 \m@m@mmf@prepare}
14469 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
14470 \global\setbox\@mpfootinsv@r\vbox{%
14471 \unvbox\@mpfootinsv@r
14472 \@RTLtrue
14473 \def\baselinestretch{\m@m@footnote@spacing}%
14474 \reset@font\RTLfoottextfont
14475 \hsize\columnwidth \@parboxrestore
14476 \protected@edef\@currentlabel{%
14477 \csname p@mpfootnote\endcsname\@thefnmark}%
14478 \color@begingroup
14479 \@ninecolRTLfootfmt{#1}%
14480 \color@endgroup}%
14481 \m@m@mmf@prepare}
14482 \newcommand{\@mpNineColRTLfootnotetext}[1]{%
14483 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14484 \global\setbox\@mpfootinsv@r\vbox{%
14485 \unvbox\@mpfootinsv@r
14486 \@RTLtrue

```



```

14487 \def\baselinestretch{\m@m@footnote@spacing}%
14488 \reset@font\RTLfoottextfont
14489 \hsize\columnwidth \@parboxrestore
14490 \protected@edef\@currentlabel{%
14491 \csname p@mpfootnote\endcsname\@thefnmark}%
14492 \color@begingroup
14493 \@ninecolRTLfootfmt{#1}%
14494 \color@endgroup}%
14495 \m@mmf@prepare}
14496 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
14497 \@namedef{@ninecol@footgroup#1}{%
14498 \def\baselinestretch{\m@m@footnote@spacing}%
14499 \hsize\@bidi@columnwidth
14500 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14501 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}
14502 \newcommand{\bidi@make@ninecol@LTRfootgroup}[1]{%
14503 \@namedef{@ninecol@LTRfootgroup#1}{%
14504 \def\baselinestretch{\m@m@footnote@spacing}%
14505 \hsize\@bidi@columnwidth
14506 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14507 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}
14508 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
14509 \@namedef{@mpninecol@footgroup#1}{%
14510 \def\baselinestretch{\m@m@footnote@spacing}%
14511 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14512 \m@mrigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}
14513 \newcommand{\bidi@make@mpninecol@LTRfootgroup}[1]{%
14514 \@namedef{@mpninecol@LTRfootgroup#1}{%
14515 \def\baselinestretch{\m@m@footnote@spacing}%
14516 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14517 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}
14518 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
14519 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14520 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14521 \@bidi@before@Hy@hyperfootnotes
14522 \let\@footnotetext\@tencolfootnotetext
14523 \let\@LTRfootnotetext\@tencolLTRfootnotetext
14524 \let\@RTLfootnotetext\@tencolRTLfootnotetext
14525 \dimen\footinsv@r=10\footinsdim
14526 \count\footinsv@r=100\relax
14527 \m@make@tencol@footgroup{v@r}%
14528 \let\@footgroupv@r\@tencol@footgroupv@r
14529 \dimen\footinsv@l=10\footinsdim
14530 \count\footinsv@l=100\relax
14531 \bidi@make@tencol@LTRfootgroup{v@l}%
14532 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14533 \let\@mpfootnotetext\@mptencolfootnotetext
14534 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
14535 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
14536 \@bidi@after@Hy@hyperfootnotes
14537 \m@make@mptencol@footgroup{v@r}%
14538 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14539 \bidi@make@mptencol@LTRfootgroup{v@l}%
14540 \let\mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l

```



```

14541 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
14542 }
14543 \newcommand{\TenColumnFootnotes}{%
14544 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14545 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14546 \@bidi@before@Hy@hyperfootnotes
14547 \let\@footnotetext\@TenColfootnotetext
14548 \let\@LTRfootnotetext\@TenColLTRfootnotetext
14549 \let\@RTLfootnotetext\@TenColRTLfootnotetext
14550 \dimen\footinsv@r=10\footinsdim
14551 \count\footinsv@r=100\relax
14552 \m@make@tencol@footgroup{v@r}%
14553 \let\@footgroupv@r\@tencol@footgroupv@r
14554 \dimen\footinsv@l=10\footinsdim
14555 \count\footinsv@l=100\relax
14556 \bidi@make@tencol@LTRfootgroup{v@l}%
14557 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14558 \let\@mpfootnotetext\@mpTenColfootnotetext
14559 \let\@mpLTRfootnotetext\@mpTenColLTRfootnotetext
14560 \let\@mpRTLfootnotetext\@mpTenColRTLfootnotetext
14561 \@bidi@after@Hy@hyperfootnotes
14562 \m@make@mptencol@footgroup{v@r}%
14563 \let\@mp@footgroupv@r\@mptencol@footgroupv@r
14564 \bidi@make@mptencol@LTRfootgroup{v@l}%
14565 \let\@mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
14566 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
14567 }
14568 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert
14569 \if@RTL@footnote
14570 \footinsv@r
14571 \else
14572 \footinsv@l
14573 \fi
14574 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}%
14575 \def\baselinestretch{\m@mm@footnote@spacing}%
14576 \reset@font\foottextfont
14577 \@preamfntext
14578 \protected@edef\@currentlabel{%
14579 \csname p@footnote\endcsname\@thefnmark}%
14580 \color@begingroup
14581 \@tencolfootfmt{#1}%
14582 \color@endgroup}%
14583 \m@mmf@prepare}
14584 \newcommand{\@TenColfootnotetext}[1]{%
14585 \bidi@step@absolute@footnote@count
14586 \if@RTL@footnote
14587 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14588 \else
14589 \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
14590 \fi
14591 \global\setbox
14592 \if@RTL@footnote
14593 \footinsv@r
14594 \else

```




```

14595     \footinsv@l
14596     \fi
14597 \vbox{%
14598     \unvbox
14599     \if@RTL@footnote
14600         \footinsv@r
14601     \else
14602         \footinsv@l
14603     \fi
14604     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14605     \def\baselinestretch{\m@m@footnote@spacing}%
14606     \reset@font\foottextfont
14607     \@preamfntext
14608     \protected@edef\@currentlabel{%
14609         \csname p@footnote\endcsname\@thefnmark}%
14610     \color@begingroup
14611         \@tencolfootfmt{#1}%
14612     \color@endgroup}%
14613     \m@mmf@prepare
14614     \if@RTL@footnote
14615         \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14616     \else
14617         \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14618     \fi
14619 }
14620 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14621     \def\baselinestretch{\m@m@footnote@spacing}%
14622     \reset@font\LTRfoottextfont
14623     \@preamfntext
14624     \protected@edef\@currentlabel{%
14625         \csname p@footnote\endcsname\@thefnmark}%
14626     \color@begingroup
14627         \@tencolLTRfootfmt{#1}%
14628     \color@endgroup}%
14629     \m@mmf@prepare}
14630 \newcommand{\@TenCollTRfootnotetext}[1]{%
14631     \bidi@step@absolute@footnote@count
14632     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14633     \global\setbox\footinsv@l\vbox{%
14634         \unvbox\footinsv@l
14635         \@RTLfalse%
14636         \def\baselinestretch{\m@m@footnote@spacing}%
14637         \reset@font\LTRfoottextfont
14638         \@preamfntext
14639         \protected@edef\@currentlabel{%
14640             \csname p@footnote\endcsname\@thefnmark}%
14641         \color@begingroup
14642             \@tencolLTRfootfmt{#1}%
14643         \color@endgroup}%
14644         \m@mmf@prepare
14645         \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14646     }
14647     \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14648         \def\baselinestretch{\m@m@footnote@spacing}%

```



```

14649 \reset@font\RTLfoottextfont
14650 \@preamfntext
14651 \protected@edef\@currentlabel{%
14652   \csname p@footnote\endcsname\@thefnmark}%
14653 \color@begingroup
14654   \@tencolRTLfootfmt{#1}%
14655 \color@endgroup}%
14656 \m@mmf@prepare}
14657 \newcommand{\@TenColRTLfootnotetext}[1]{%
14658   \bidi@step@absolute@footnote@count
14659   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14660   \global\setbox\footinsv@r\vbox{%
14661     \unvbox\footinsv@r
14662     \@RTLtrue
14663     \def\baselinestretch{\m@m@footnote@spacing}%
14664     \reset@font\RTLfoottextfont
14665     \@preamfntext
14666     \protected@edef\@currentlabel{%
14667       \csname p@footnote\endcsname\@thefnmark}%
14668     \color@begingroup
14669     \@tencolRTLfootfmt{#1}%
14670     \color@endgroup}%
14671     \m@mmf@prepare
14672     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14673   }
14674 \bidi@ensure@newcommand{\@preamtenfmt}{%
14675   \hsize .1\hsize
14676   \parindent=\z@
14677   \tolerance=5000\relax
14678   \leavevmode}
14679 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
14680   \@preamtenfmt
14681   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14682 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
14683   \@preamtenfmt
14684   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14685 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
14686   \@preamtenfmt
14687   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14688 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
14689   \global\setbox
14690     \if@RTL@footnote
14691     \@mpfootinsv@r
14692   \else
14693     \@mpfootinsv@l
14694   \fi
14695   \vbox{%
14696     \unvbox
14697     \if@RTL@footnote
14698     \@mpfootinsv@r
14699   \else
14700     \@mpfootinsv@l
14701   \fi
14702   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi

```



```

14703 \def\baselinestretch{\m@m@footnote@spacing}%
14704 \reset@font\foottextfont
14705 \hsize\columnwidth \@parboxrestore
14706 \protected@edef\@currentlabel{%
14707 \csname p@mpfootnote\endcsname\@thefnmark}%
14708 \color@begingroup
14709 \@tencolfootfmt{#1}%
14710 \color@endgroup}%
14711 \m@m@mmf@prepare}
14712 \newcommand{\@mpTenColfootnotetext}[1]{%
14713 \ifRTL@footnote
14714 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14715 \else
14716 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14717 \fi
14718 \global\setbox
14719 \ifRTL@footnote
14720 \@mpfootinsv@r
14721 \else
14722 \@mpfootinsv@l
14723 \fi
14724 \vbox{%
14725 \unvbox
14726 \ifRTL@footnote
14727 \@mpfootinsv@r
14728 \else
14729 \@mpfootinsv@l
14730 \fi
14731 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
14732 \def\baselinestretch{\m@m@footnote@spacing}%
14733 \reset@font\foottextfont
14734 \hsize\columnwidth \@parboxrestore
14735 \protected@edef\@currentlabel{%
14736 \csname p@mpfootnote\endcsname\@thefnmark}%
14737 \color@begingroup
14738 \@tencolfootfmt{#1}%
14739 \color@endgroup}%
14740 \m@m@mmf@prepare}
14741 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
14742 \global\setbox\@mpfootinsv@l\vbox{%
14743 \unvbox\@mpfootinsv@l
14744 \@RTLfalse
14745 \def\baselinestretch{\m@m@footnote@spacing}%
14746 \reset@font\LTRfoottextfont
14747 \hsize\columnwidth \@parboxrestore
14748 \protected@edef\@currentlabel{%
14749 \csname p@mpfootnote\endcsname\@thefnmark}%
14750 \color@begingroup
14751 \@tencolLTRfootfmt{#1}%
14752 \color@endgroup}%
14753 \m@m@mmf@prepare}
14754 \newcommand{\@mpTenColLTRfootnotetext}[1]{%
14755 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14756 \global\setbox\@mpfootinsv@l\vbox{%

```



```

14757 \unvbox\@mpfootinsv@l
14758 \@RTLfalse
14759 \def\baselinestretch{\m@m@footnote@spacing}%
14760 \reset@font\LTRfoottextfont
14761 \hsize\columnwidth \@parboxrestore
14762 \protected@edef\@currentlabel{%
14763   \csname p@mpfootnote\endcsname\@thefnmark}%
14764 \color@begingroup
14765   \@tencolLTRfootfmt{#1}%
14766 \color@endgroup}%
14767 \m@mmf@prepare}
14768 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
14769   \global\setbox\@mpfootinsv@r\vbox{%
14770     \unvbox\@mpfootinsv@r
14771     \@RTLtrue
14772     \def\baselinestretch{\m@m@footnote@spacing}%
14773     \reset@font\RTLfoottextfont
14774     \hsize\columnwidth \@parboxrestore
14775     \protected@edef\@currentlabel{%
14776       \csname p@mpfootnote\endcsname\@thefnmark}%
14777     \color@begingroup
14778       \@tencolRTLfootfmt{#1}%
14779     \color@endgroup}%
14780     \m@mmf@prepare}
14781 \newcommand{\@mpTenColRTLfootnotetext}[1]{%
14782   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14783   \global\setbox\@mpfootinsv@r\vbox{%
14784     \unvbox\@mpfootinsv@r
14785     \@RTLtrue
14786     \def\baselinestretch{\m@m@footnote@spacing}%
14787     \reset@font\RTLfoottextfont
14788     \hsize\columnwidth \@parboxrestore
14789     \protected@edef\@currentlabel{%
14790       \csname p@mpfootnote\endcsname\@thefnmark}%
14791     \color@begingroup
14792       \@tencolRTLfootfmt{#1}%
14793     \color@endgroup}%
14794     \m@mmf@prepare}
14795 \bidi@ensure@newcommand{\@m@make@tencol@footgroup}[1]{%
14796   \@namedef{@tencol@footgroup#1}{%
14797     \def\baselinestretch{\m@m@footnote@spacing}%
14798     \hsize\bidi@columnwidth
14799     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14800     \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
14801 \newcommand{\bidi@make@tencol@LTRfootgroup}[1]{%
14802   \@namedef{@tencol@LTRfootgroup#1}{%
14803     \def\baselinestretch{\m@m@footnote@spacing}%
14804     \hsize\bidi@columnwidth
14805     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14806     \bidi@LTRigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
14807 \bidi@ensure@newcommand{\@m@make@mptencol@footgroup}[1]{%
14808   \@namedef{@mptencol@footgroup#1}{%
14809     \def\baselinestretch{\m@m@footnote@spacing}%
14810     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

14811 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}
14812 \newcommand{\bidi@make@mptencol@LTRfootgroup}[1]{%
14813 \@namedef{@mptencol@LTRfootgroup#1}{%
14814 \def\baselinestretch{\m@m@footnote@spacing}%
14815 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14816 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}
14817 \bidi@ensure@newcommand{\m@munvxh}[1]{%
14818 \setbox0=\vbox{\unvbox#1%
14819 \global\setbox1=\lastbox}%
14820 \unhbox1
14821 \unskip
14822 \unskip
14823 \unpenalty
14824 \hskip\m@mipn@skip}
14825 \bidi@ensure@newcommand{\m@mungebox}{%
14826 \setbox0=\hbox{\m@munvxh0}%
14827 \dp0=\z@
14828 \ht0=\footfudgefactor\wd0
14829 \box0
14830 \penalty0}
14831 \newskip\m@mipn@skip
14832 \bidi@ensure@newcommand*{\m@minterparanoteglu}[1]{%
14833 {\foottextfont\global\m@mipn@skip=#1\relax}}
14834 \m@minterparanoteglu{1em plus .3em minus .3em}
14835 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
14836 \setbox0=\hbox{}%
14837 \loop
14838 \unpenalty
14839 \setbox2=\lastbox
14840 \ifhbox2
14841 \setbox0=\hbox{\box2\unhbox0}
14842 \repeat}
14843 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
14844 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
14845 \newcommand*{AddExtraParaSkip}[1]{%
14846 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
14847 }
14848 \let\bidi@xparaskip\relax
14849 \@onlypreamble\AddExtraParaSkip
14850 \@onlypreamble\bidi@xparaskip
14851 \def\bidi@startparafootskip#1{%
14852 \global\advance\skip#1\bidi@paraskip
14853 }
14854 \@onlypreamble\bidi@startparafootskip
14855 \bidi@ensure@newcommand{\paragraphfootnotes}{%
14856 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14857 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14858 \@bidi@before@Hy@hyperfootnotes
14859 \let\@footnotetext\@parafootnotetext
14860 \let\@LTRfootnotetext\@paraLTRfootnotetext
14861 \let\@RTLfootnotetext\@paraRTLfootnotetext
14862 \dimen\footinsv@r=\footinsdim
14863 \count\footinsv@r=1000\relax
14864 \let\bidi@removexfootskip\bidi@removexparafootskip

```



```

14865 \m@make@para@footgroup{v@r}%
14866 \m@make@para@footstart{v@r}%
14867 \let\@footgroupv@r\@para@footgroupv@r
14868 \let\@footstartv@r\@para@footstartv@r
14869 \dimen\footinsv@l=\footinsdim
14870 \count\footinsv@l=1000\relax
14871 \bidi@make@para@LTRfootgroup{v@l}%
14872 \m@make@para@footstart{v@l}%
14873 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14874 \let\@footstartv@l\@para@footstartv@l
14875 \let\@mpfootnotetext\@mpparafootnotetext
14876 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
14877 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
14878 \@bidi@after@Hy@hyperfootnotes
14879 \m@make@mppara@footgroup{v@r}%
14880 \bidi@make@mppara@LTRfootgroup{v@l}%
14881 \let\mp@footgroupv@r\@mppara@footgroupv@r
14882 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14883 \g@addto@macro\bidi@floathook{%
14884   \begingroup
14885     \foottextfont \@tempdima\normalbaselineskip
14886     \multiply \@tempdima \@cclvi
14887     \@tempdimb \columnwidth
14888     \divide \@tempdimb \@cclvi
14889     \divide \@tempdima \@tempdimb
14890     \xdef\footfudgefactor{\strip@pt\@tempdima}%
14891   \endgroup
14892 }
14893 \AtBeginDocument{%
14894   \begingroup
14895     \foottextfont
14896     \@tempdima\footnotesep
14897     \advance\@tempdima -\ht\strutbox
14898     \ifdim\@tempdima<z@ \@tempdima\z@ \fi
14899     \advance\@tempdima.5\normalbaselineskip
14900     \bidi@xparaskip
14901     \xdef\bidi@paraskip{\the\@tempdima\relax}%
14902   \endgroup
14903   \bidi@startparafootskip\footinsv@r
14904   \bidi@startparafootskip\footinsv@l
14905 }
14906 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14907 }
14908 \newcommand{\ParagraphFootnotes}{%
14909   \@namedef{foottextfontv@r}{\foottextfont}%
14910   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14911   \@bidi@before@Hy@hyperfootnotes
14912   \let\@footnotetext\@Parafootnotetext
14913   \let\@LTRfootnotetext\@ParaLTRfootnotetext
14914   \let\@RTLfootnotetext\@ParaRTLfootnotetext
14915   \dimen\footinsv@r=\footinsdim
14916   \count\footinsv@r=1000\relax
14917   \let\bidi@removexfootskip\bidi@removexparafootskip
14918   \m@make@para@footgroup{v@r}%

```



```

14919 \m@make@para@footstart{v@r}%
14920 \let\@footgroupv@r\@para@footgroupv@r
14921 \let\@footstartv@r\@para@footstartv@r
14922 \dimen\footinsv@l=\footinsdim
14923 \count\footinsv@l=1000\relax
14924 \bidi@make@para@LTRfootgroup{v@l}%
14925 \m@make@para@footstart{v@l}%
14926 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14927 \let\@footstartv@l\@para@footstartv@l
14928 \let\@mpfootnotetext\@mpParafootnotetext
14929 \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
14930 \let\@mpRTLfootnotetext\@mpParaRTLfootnotetext
14931 \@bidi@after@Hy@hyperfootnotes
14932 \m@make@mppara@footgroup{v@r}%
14933 \bidi@make@mppara@LTRfootgroup{v@l}%
14934 \let\mp@footgroupv@r\@mppara@footgroupv@r
14935 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14936 \g@addto@macro\bidi@floathook{%
14937   \begingroup
14938     \foottextfont \@tempdima\normalbaselineskip
14939     \multiply \@tempdima \@cclvi
14940     \@tempdimb \columnwidth
14941     \divide \@tempdimb \@cclvi
14942     \divide \@tempdima \@tempdimb
14943     \xdef\footfudgefactor{\strip@pt\@tempdima}%
14944   \endgroup
14945 }
14946 \AtBeginDocument{%
14947   \begingroup
14948     \foottextfont
14949     \@tempdima\footnotesep
14950     \advance\@tempdima -\ht\strutbox
14951     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
14952     \advance\@tempdima.5\normalbaselineskip
14953     \bidi@xparaskip
14954     \xdef\bidi@paraskip{\the\@tempdima\relax}%
14955   \endgroup
14956   \bidi@startparafootskip\footinsv@r
14957   \bidi@startparafootskip\footinsv@l
14958 }
14959 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14960 }
14961 \newcommand{\normalRTLparaLTRfootnotes}{%
14962   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14963   \@bidi@before@Hy@hyperfootnotes
14964   \if@RTL@footnote
14965     \let\@footnotetext\m@old@footnotetext
14966   \else
14967     \let\@footnotetext\@parafootnotetext
14968   \fi
14969   \let\@LTRfootnotetext\@paraLTRfootnotetext
14970   \let\@RTLfootnotetext\m@old@RTLfootnotetext
14971   \dimen\footinsv@l=\footinsdim
14972   \count\footinsv@l=1000\relax

```



```

14973 \let\bidiremovexfootskip\bidiremovexparafootskip
14974 \bidi@make@para@LTRfootgroup{v@1}%
14975 \m@make@para@footstart{v@1}%
14976 \let\@LTRfootgroupv@1\@para@LTRfootgroupv@1
14977 \let\@footstartv@1\@para@footstartv@1
14978 \if@RTL@footnote
14979 \let\@mpfootnotetext\m@mold@mpfootnotetext
14980 \else
14981 \let\@mpfootnotetext\@mpparafootnotetext
14982 \fi
14983 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
14984 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
14985 \@bidi@after@Hy@hyperfootnotes
14986 \bidi@make@mppara@LTRfootgroup{v@1}%
14987 \let\mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
14988 \g@addto@macro\bidifloathook{%
14989 \begingroup
14990 \LTRfoottextfont \@tempdima\normalbaselineskip
14991 \multiply \@tempdima \@cclvi
14992 \@tempdimb \columnwidth
14993 \divide \@tempdimb \@cclvi
14994 \divide \@tempdima \@tempdimb
14995 \xdef\footfudgefactor{\strip@pt\@tempdima}%
14996 \endgroup
14997 }
14998 \AtBeginDocument{%
14999 \begingroup
15000 \LTRfoottextfont
15001 \@tempdima\footnotesep
15002 \advance\@tempdima -\ht\strutbox
15003 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
15004 \advance\@tempdima.5\normalbaselineskip
15005 \bidi@xparaskip
15006 \xdef\bidi@paraskip{\the\@tempdima\relax}%
15007 \endgroup
15008 \bidi@startparafootskip\footinsv@1
15009 }
15010 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
15011 }
15012 \newcommand{\NormalRTLParaLTRFootnotes}{%
15013 \@namedef{foottextfontv@1}{\LTRfoottextfont}%
15014 \@bidi@before@Hy@hyperfootnotes
15015 \if@RTL@footnote
15016 \let\@footnotetext\bidi@bidiold@footnotetext
15017 \else
15018 \let\@footnotetext\@Parafootnotetext
15019 \fi
15020 \let\@LTRfootnotetext\@ParaLTRfootnotetext
15021 \let\@RTLfootnotetext\bidi@bidiold@RTLfootnotetext
15022 \dimen\footinsv@1=\footinsdim
15023 \count\footinsv@1=1000\relax
15024 \let\bidiremovexfootskip\bidiremovexparafootskip
15025 \bidi@make@para@LTRfootgroup{v@1}%
15026 \m@make@para@footstart{v@1}%

```




```

15027 \let\@LTRfootgroupv@1\@para@LTRfootgroupv@1
15028 \let\@footstartv@1\@para@footstartv@1
15029 \if@RTL@footnote
15030 \let\@mpfootnotetext\@bidi@bidiold@mpfootnotetext
15031 \else
15032 \let\@mpfootnotetext\@mpParafootnotetext
15033 \fi
15034 \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
15035 \let\@mpRTLfootnotetext\@bidi@bidiold@mpRTLfootnotetext
15036 \@bidi@after@Hy@hyperfootnotes
15037 \bidi@make@mppara@LTRfootgroup{v@1}%
15038 \let\mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
15039 \g@addto@macro\bidi@floathook{%
15040 \begingroup
15041 \LTRfoottextfont \@tempdima\normalbaselineskip
15042 \multiply \@tempdima \@cclvi
15043 \@tempdimb \columnwidth
15044 \divide \@tempdimb \@cclvi
15045 \divide \@tempdima \@tempdimb
15046 \xdef\footfudgefactor{\strip@pt\@tempdima}%
15047 \endgroup
15048 }
15049 \AtBeginDocument{%
15050 \begingroup
15051 \LTRfoottextfont
15052 \@tempdima\footnotesep
15053 \advance\@tempdima -\ht\strutbox
15054 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
15055 \advance\@tempdima.5\normalbaselineskip
15056 \bidi@xparaskip
15057 \xdef\bidi@paraskip{\the\@tempdima\relax}%
15058 \endgroup
15059 \bidi@startparafootskip\footinsv@1
15060 }
15061 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
15062 }
15063 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
15064 \if@RTL@footnote
15065 \footinsv@r
15066 \else
15067 \footinsv@l
15068 \fi
15069 {%
15070 \let\bidi@RTL@everypar\@empty%
15071 \def\baselinestretch{\m@m@footnote@spacing}%
15072 \reset@font\foottextfont
15073 \@preamfntext
15074 \protected@edef\@currentlabel{%
15075 \csname p@footnote\endcsname\@thefnmark}%
15076 \setbox0=\vbox{\hsize=\maxdimen
15077 \color@begingroup
15078 \noindent \@parafootfmt{#1}%
15079 \color@endgroup}%
15080 \m@mungebox}\m@mmf@prepare}

```



```

15081 \newcommand{\@Parafootnotetext}[1]{%
15082   \bidi@step@absolutefootnote@count
15083   \if@RTL@footnote
15084     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15085   \else
15086     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
15087   \fi
15088 \global\setbox
15089 \if@RTL@footnote
15090   \footinsv@r
15091 \else
15092   \footinsv@l
15093 \fi
15094 \vbox{%
15095 \unvbox
15096 \if@RTL@footnote
15097   \footinsv@r
15098 \else
15099   \footinsv@l
15100 \fi
15101 \let\bidi@RTL@everypar\@empty%
15102 \def\baselinestretch{\m@m@footnote@spacing}%
15103 \reset@font\foottextfont
15104 \@preamfntext
15105 \protected@edef\@currentlabel{%
15106   \csname p@footnote\endcsname\@thefnmark}%
15107 \setbox0=\vbox{\hsize=\maxdimen
15108   \color@begingroup
15109     \noindent \@parafootfmt{#1}%
15110   \color@endgroup}%
15111 \m@mungebox}\m@mmf@prepare
15112 \if@RTL@footnote
15113   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15114 \else
15115   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15116 \fi
15117 }
15118 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
15119 \let\bidi@RTL@everypar\@empty%
15120 \def\baselinestretch{\m@m@footnote@spacing}%
15121 \reset@font\LTRfoottextfont
15122 \@preamfntext
15123 \protected@edef\@currentlabel{%
15124   \csname p@footnote\endcsname\@thefnmark}%
15125 \setbox0=\vbox{\hsize=\maxdimen
15126   \color@begingroup
15127     \noindent \@paraLTRfootfmt{#1}%
15128   \color@endgroup}%
15129 \m@mungebox}\m@mmf@prepare}
15130 \newcommand{\@ParaLTRfootnotetext}[1]{%
15131   \bidi@step@absolutefootnote@count
15132   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
15133 \global\setbox\footinsv@l\vbox{%
15134 \unvbox\footinsv@l

```



```

15135 \let\bidirTL@everypar\@empty%
15136 \def\baselinestretch{\m@m@footnote@spacing}%
15137 \reset@font\LTRfoottextfont
15138 \@preamfntext
15139 \protected@edef\@currentlabel{%
15140   \csname p@footnote\endcsname\@thefnmark}%
15141 \setbox0=\vbox{\hsize=\maxdimen
15142   \color@begingroup
15143     \noindent \@paraLTRfootfmt{#1}%
15144   \color@endgroup}%
15145 \m@mungebox}\m@mmf@prepare
15146 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15147 }
15148 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
15149   \let\bidirTL@everypar\@empty%
15150   \def\baselinestretch{\m@m@footnote@spacing}%
15151   \reset@font\RTLfoottextfont
15152   \@preamfntext
15153   \protected@edef\@currentlabel{%
15154     \csname p@footnote\endcsname\@thefnmark}%
15155   \setbox0=\vbox{\hsize=\maxdimen
15156     \color@begingroup
15157       \noindent \@paraRTLfootfmt{#1}%
15158     \color@endgroup}%
15159   \m@mungebox}\m@mmf@prepare}
15160 \newcommand{\@ParaRTLfootnotetext}[1]{%
15161   \bidi@step@absolute@footnote@count
15162   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15163   \global\setbox\footinsv@r\vbox{%
15164     \unvbox\footinsv@r
15165     \let\bidirTL@everypar\@empty%
15166     \def\baselinestretch{\m@m@footnote@spacing}%
15167     \reset@font\RTLfoottextfont
15168     \@preamfntext
15169     \protected@edef\@currentlabel{%
15170       \csname p@footnote\endcsname\@thefnmark}%
15171     \setbox0=\vbox{\hsize=\maxdimen
15172       \color@begingroup
15173         \noindent \@paraRTLfootfmt{#1}%
15174       \color@endgroup}%
15175     \m@mungebox}\m@mmf@prepare
15176     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15177 }
15178 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
15179   \parindent=\z@
15180   \parfillskip=0pt \@plus 1fil
15181   {\footfootmark\strut {\foottextfont #1}\penalty-10}}
15182 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
15183   \parindent=\z@
15184   \parfillskip=0pt \@plus 1fil
15185   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
15186 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
15187   \parindent=\z@
15188   \parfillskip=0pt \@plus 1fil

```



```

15189  {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
15190  \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
15191    \global\setbox
15192    \if@RTL@footnote
15193    \@mpfootinsv@r
15194    \else
15195    \@mpfootinsv@l
15196    \fi
15197    \vbox{%
15198      \unvbox
15199      \if@RTL@footnote
15200      \@mpfootinsv@r
15201      \else
15202      \@mpfootinsv@l
15203      \fi
15204      \let\bidi@RTL@everypar\@empty
15205      \def\baselinestretch{\m@m@footnote@spacing}%
15206      \reset@font\foottextfont
15207      \hsize\columnwidth \@parboxrestore
15208      \protected@edef\@currentlabel{%
15209        \csname p@mpfootnote\endcsname\@thefnmark}%
15210      \setbox0=\vbox{\hsize=\maxdimen
15211        \color@begingroup
15212        \noindent \@parafootfmt{#1}%
15213        \color@endgroup}%
15214      \m@mungebox}\m@mmf@prepare}
15215  \newcommand{\@mpParafootnotetext}[1]{%
15216    \if@RTL@footnote
15217    \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15218    \else
15219    \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15220    \fi
15221    \global\setbox
15222    \if@RTL@footnote
15223    \@mpfootinsv@r
15224    \else
15225    \@mpfootinsv@l
15226    \fi
15227    \vbox{%
15228      \unvbox
15229      \if@RTL@footnote
15230      \@mpfootinsv@r
15231      \else
15232      \@mpfootinsv@l
15233      \fi
15234      \let\bidi@RTL@everypar\@empty
15235      \def\baselinestretch{\m@m@footnote@spacing}%
15236      \reset@font\foottextfont
15237      \hsize\columnwidth \@parboxrestore
15238      \protected@edef\@currentlabel{%
15239        \csname p@mpfootnote\endcsname\@thefnmark}%
15240      \setbox0=\vbox{\hsize=\maxdimen
15241        \color@begingroup
15242        \noindent \@parafootfmt{#1}%

```



```

15243     \color@endgroup}%
15244 \m@mungebox}\m@mmf@prepare}
15245 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
15246   \global\setbox\@mpfootinsv@1\vbox{%
15247     \unvbox\@mpfootinsv@1
15248     \let\bidi@RTL@everypar\@empty
15249     \def\baselinestretch{\m@m@footnote@spacing}%
15250     \reset@font\LTRfoottextfont
15251     \hsize\columnwidth \@parboxrestore
15252     \protected@edef\@currentlabel{%
15253       \csname p@mpfootnote\endcsname\@thefnmark}%
15254     \setbox0=\vbox{\hsize=\maxdimen
15255       \color@begingroup
15256       \noindent \@paraLTRfootfmt{#1}%
15257       \color@endgroup}%
15258 \m@mungebox}\m@mmf@prepare}
15259 \newcommand{\@mpParaLTRfootnotetext}[1]{%
15260   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15261   \global\setbox\@mpfootinsv@1\vbox{%
15262     \unvbox\@mpfootinsv@1
15263     \let\bidi@RTL@everypar\@empty
15264     \def\baselinestretch{\m@m@footnote@spacing}%
15265     \reset@font\LTRfoottextfont
15266     \hsize\columnwidth \@parboxrestore
15267     \protected@edef\@currentlabel{%
15268       \csname p@mpfootnote\endcsname\@thefnmark}%
15269     \setbox0=\vbox{\hsize=\maxdimen
15270       \color@begingroup
15271       \noindent \@paraLTRfootfmt{#1}%
15272       \color@endgroup}%
15273 \m@mungebox}\m@mmf@prepare}
15274 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
15275   \global\setbox\@mpfootinsv@r\vbox{%
15276     \unvbox\@mpfootinsv@r
15277     \let\bidi@RTL@everypar\@empty
15278     \def\baselinestretch{\m@m@footnote@spacing}%
15279     \reset@font\RTLfoottextfont
15280     \hsize\columnwidth \@parboxrestore
15281     \protected@edef\@currentlabel{%
15282       \csname p@mpfootnote\endcsname\@thefnmark}%
15283     \setbox0=\vbox{\hsize=\maxdimen
15284       \color@begingroup
15285       \noindent \@paraRTLfootfmt{#1}%
15286       \color@endgroup}%
15287 \m@mungebox}\m@mmf@prepare}
15288 \newcommand{\@mpParaRTLfootnotetext}[1]{%
15289   \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
15290   \global\setbox\@mpfootinsv@r\vbox{%
15291     \unvbox\@mpfootinsv@r
15292     \let\bidi@RTL@everypar\@empty
15293     \def\baselinestretch{\m@m@footnote@spacing}%
15294     \reset@font\RTLfoottextfont
15295     \hsize\columnwidth \@parboxrestore
15296     \protected@edef\@currentlabel{%

```



```

15297     \csname p@mpfootnote\endcsname\@thefnmark}%
15298     \setbox0=\vbox{\hsize=\maxdimen
15299         \color@begingroup
15300         \noindent \@paraRTLfootfmt{#1}%
15301         \color@endgroup}%
15302     \m@mungebox}\m@mmf@prepare}
15303 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
15304 \@namedef{@para@footgroup#1}{%
15305     \unvbox\@nameuse{footins#1}
15306     \@RTLtrue
15307     \m@mmakehboxofhboxes
15308     \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15309     \hsize\bidi@columnwidth
15310     \@parboxrestore
15311     \def\baselinestretch{\m@m@footnote@spacing}%
15312     \@nameuse{foottextfont#1}%
15313     \noindent\unhbox0\par}}
15314 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
15315 \@namedef{@para@LTRfootgroup#1}{%
15316     \unvbox\@nameuse{footins#1}
15317     \@RTLfalse
15318     \m@mmakehboxofhboxes
15319     \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15320     \hsize\bidi@columnwidth
15321     \@parboxrestore
15322     \def\baselinestretch{\m@m@footnote@spacing}%
15323     \@nameuse{foottextfont#1}%
15324     \noindent\unhbox0\par}}
15325 \newcommand{\bidi@removexparafootskip}{%
15326     \advance\@tempskipa -\bidi@paraskip
15327     \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
15328 }
15329 \let\bidi@removexfootskip\relax
15330 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
15331 \@namedef{@mppara@footgroup#1}{%
15332     \unvbox\@nameuse{@mpfootins#1}
15333     \@RTLtrue
15334     \m@mmakehboxofhboxes
15335     \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15336     \def\baselinestretch{\m@m@footnote@spacing}%
15337     \@nameuse{foottextfont#1}%
15338     \noindent\unhbox0\par}}
15339 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
15340 \@namedef{@mppara@LTRfootgroup#1}{%
15341     \unvbox\@nameuse{@mpfootins#1}
15342     \@RTLfalse
15343     \m@mmakehboxofhboxes
15344     \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15345     \def\baselinestretch{\m@m@footnote@spacing}%
15346     \@nameuse{foottextfont#1}%
15347     \noindent\unhbox0\par}}
15348 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
15349 \@namedef{@para@footstart#1}{%
15350     \leftskip=\z@

```



```

15351 \rightskip=\z@
15352 \parindent=\z@
15353 }%
15354 }
15355 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
15356 \xdef\@freelist{\@freelist\@midlist}%
15357 \global\let\@midlist\@empty
15358 \@combinefloats}
15359 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
15360 \ifvbox\@kludgeins
15361 \@makespecialcolbox
15362 \else
15363 \setbox\@outputbox \vbox to\@colht{%
15364 \@texttop
15365 \dimen@ \dp\@outputbox
15366 \unvbox \@outputbox
15367 \vskip -\dimen@
15368 \@textbottom}%
15369 \fi}
15370 \bidi@ensure@newcommand*{\m@m@makecolintro}{}
15371 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
15372 \boxmaxdepth\@maxdepth
15373 \@tempdima\dp\@cclv
15374 \unvbox\@cclv
15375 \vskip-\@tempdima
15376 \bidi@mopfn@bottom
15377 \vskip \skip\footins
15378 \color@begingroup
15379 \normalcolor
15380 \footnoterule
15381 \unvbox \footins
15382 \color@endgroup
15383 }%
15384 }
15385 \newcommand*{\bidi@mopfootnotebf}{%
15386 \setbox\@outputbox \vbox{%
15387 \boxmaxdepth\@maxdepth
15388 \unvbox\@outputbox
15389 \bidi@mopfn@bottom
15390 \vskip\skip\footins
15391 \color@begingroup
15392 \normalcolor
15393 \footnoterule
15394 \unvbox \footins
15395 \color@endgroup
15396 }%
15397 }
15398 \gdef\mem@makecol{%
15399 \m@m@makecolintro
15400 \m@m@doextrafeet
15401 \ifvoid\footins
15402 \setbox\@outputbox \box\@cclv
15403 \else
15404 \m@mopfootnote

```



```

15405 \fi
15406 \m@m@makecolfloats
15407 \m@m@makecoltext
15408 \global \maxdepth \@maxdepth}
15409 \gdef\bidi@makecolbf{%
15410 \m@m@makecolintro
15411 \m@m@doextrafeet
15412 \setbox\@outputbox \box\@cclv
15413 \m@m@makecolfloats
15414 \ifvoid\footins
15415 \else
15416 \bidi@mopfootnotebf
15417 \fi
15418 \m@m@makecoltext
15419 \global \maxdepth \@maxdepth}
15420 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
15421 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
15422 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
15423 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
15424 \FeetAboveFloat
15425 \FeetBelowRagged
15426 \def\bidi@reinserts#1{\ifvoid#1\else
15427 \ifnum\count\@currbox>\z@
15428 \advance\@pageht \ht#1%
15429 \advance\@pageht \skip#1%
15430 \advance\@pageht \dp#1%
15431 \fi
15432 \insert#1{\unvbox#1}%
15433 \fi
15434 }
15435 \def\bidi@init@multi@footins#1{%
15436 \multiply\count#1\col@number
15437 \multiply\skip#1\col@number
15438 }
15439 \def\bidi@reinsert@footnotes#1{\ifvoid#1\else
15440 \insert#1{\fi}
15441 \AtBeginDocument{%
15442 \bidi@preto\@doclearpage\m@m@doextrafeet
15443 \g@addto@macro\@reinserts{%
15444 \bidi@reinserts\footinsv@r
15445 \bidi@reinserts\footinsv@l
15446 }
15447 \bidi@floathook
15448 \g@addto@macro\@floatplacement{%
15449 \bidi@ifmulticol}{\bidi@floathook}%
15450 }%
15451 \if\bidi@csundef{multi@column@out}{%
15452 \@onlypreamble\bidi@init@multi@footins
15453 \let\bidi@ifmulticol\@secondoftwo
15454 }-%
15455 \bidi@preto\multi@column@out\m@m@doextrafeet
15456 \g@addto@macro\init@mult@footins{%
15457 \bidi@init@multi@footins\footinsv@r
15458 \bidi@init@multi@footins\footinsv@l

```




```

15459 }%
15460 \g@addto@macro\reinsert@footnotes{%
15461   \bidi@reinsert@footnotes\footinsv@r
15462   \bidi@reinsert@footnotes\footinsv@l
15463 }%
15464 }%
15465 }

```

87 File extreport-xetex-bidi.def

```

15466 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport clas
15467 \renewcommand*\l@part[2]{%
15468   \ifnum \c@tocdepth >-2\relax
15469     \addpenalty{-\@highpenalty}%
15470     \advspace{2.25em \@plus\p@}%
15471     \begingroup
15472       \setlength\@tempdima{3em}%
15473       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15474       \parfillskip -\@pnumwidth
15475       {\leavevmode
15476         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15477         \nobreak
15478         \global\@nobreaktrue
15479         \everypar{\global\@nobreakfalse\everypar{}}%
15480       \endgroup
15481     \fi}
15482 \renewcommand*\l@chapter[2]{%
15483   \ifnum \c@tocdepth >\m@ne
15484     \addpenalty{-\@highpenalty}%
15485     \vskip 1.0em \@plus\p@
15486     \setlength\@tempdima{1.5em}%
15487     \begingroup
15488       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15489       \parfillskip -\@pnumwidth
15490       \leavevmode \bfseries
15491       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15492       \hskip -\if@RTL\rightskip\else\leftskip\fi
15493       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15494       \penalty\@highpenalty
15495     \endgroup
15496   \fi}
15497 \def\@makechapterhead#1{%
15498   \vspace*{50\p@}%
15499   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15500     \ifnum \c@secnumdepth >\m@ne
15501       \huge\bfseries \@chapapp\space \thechapter
15502       \par\nobreak
15503       \vskip 20\p@
15504     \fi
15505     \interlinepenalty\@M
15506     \Huge \bfseries #1\par\nobreak
15507     \vskip 40\p@
15508   }}
15509 \def\@makeschapterhead#1{%

```



```

15510 \vspace*{50\p@}%
15511 {\parindent \z@ \ifRTL\raggedleft\else\raggedright\fi
15512 \normalfont
15513 \interlinepenalty\M
15514 \Huge \bfseries #1\par\nobreak
15515 \vskip 40\p@
15516 }}
15517 \renewcommand\left@footnoterule{%
15518 \kern-3\p@
15519 \hrule\@width.4\columnwidth
15520 \kern2.6\p@}
15521 \renewcommand\right@footnoterule{%
15522 \kern-3\p@
15523 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15524 \kern2.6\p@}
15525 \renewenvironment{thebibliography}[1]
15526 {\chapter*{\bibname
15527 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
15528 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15529 \bidi@thebibliography@font@hook%
15530 \list{\@biblabel{\@arabic\c@enumiv}}%
15531 {\settowidth\labelwidth{\@biblabel{#1}}%
15532 \leftmargin\labelwidth
15533 \advance\leftmargin\labelsep
15534 \@openbib@code
15535 \usecounter{enumiv}%
15536 \let\p@enumiv\@empty
15537 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15538 \sloppy\clubpenalty4000\widowpenalty4000%
15539 \sfcode\.\@m}
15540 {\def\@noitemerr
15541 {\@latex@warning{Empty `thebibliography' environment}}%
15542 \endlist}
15543 \if@titlepage
15544 \renewcommand\maketitle{\begin{titlepage}%
15545 \let\footnotesize\small
15546 \let\right@footnoterule\relax
15547 \let\left@footnoterule\relax
15548 \let\textwidth@footnoterule\relax
15549 \let \footnote \thanks
15550 \null\vfil
15551 \vskip 60\p@
15552 \begin{center}%
15553 {\LARGE \@title \par}%
15554 \vskip 3em%
15555 {\large
15556 \lineskip .75em%
15557 \begin{tabular}[t]{c}%
15558 \@author
15559 \end{tabular}\par}%
15560 \vskip 1.5em%
15561 {\large \@date \par}% % Set date in \large size.
15562 \end{center}\par
15563 \@thanks

```



```

15564 \vfil\null
15565 \end{titlepage}%
15566 \setcounter{footnote}{0}%
15567 \global\let\thanks\relax
15568 \global\let\maketitle\relax
15569 \global\let\@thanks\@empty
15570 \global\let\@author\@empty
15571 \global\let\@date\@empty
15572 \global\let\@title\@empty
15573 \global\let\title\relax
15574 \global\let\author\relax
15575 \global\let\date\relax
15576 \global\let\and\relax
15577 }
15578 \else
15579 \renewcommand\maketitle{\par
15580 \begingroup
15581 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15582 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15583 \long\def\@makefntext##1{\parindent 1em\noindent
15584 \hb@xt@1.8em{%
15585 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15586 \if@twocolumn
15587 \ifnum \col@number=\@one
15588 \@maketitle
15589 \else
15590 \twocolumn[\@maketitle]%
15591 \fi
15592 \else
15593 \newpage
15594 \global\@topnum\z@ % Prevents figures from going at top of page.
15595 \@maketitle
15596 \fi
15597 \thispagestyle{plain}\@thanks
15598 \endgroup
15599 \setcounter{footnote}{0}%
15600 \global\let\thanks\relax
15601 \global\let\maketitle\relax
15602 \global\let\@maketitle\relax
15603 \global\let\@thanks\@empty
15604 \global\let\@author\@empty
15605 \global\let\@date\@empty
15606 \global\let\@title\@empty
15607 \global\let\title\relax
15608 \global\let\author\relax
15609 \global\let\date\relax
15610 \global\let\and\relax
15611 }
15612 \def\@maketitle{%
15613 \newpage
15614 \null
15615 \vskip 2em%
15616 \begin{center}%
15617 \let \footnote \thanks

```



```

15618 {\LARGE \@title \par}%
15619 \vskip 1.5em%
15620 {\large
15621 \lineskip .5em%
15622 \begin{tabular}[t]{c}%
15623 \author
15624 \end{tabular}\par}%
15625 \vskip 1em%
15626 {\large \@date}%
15627 \end{center}%
15628 \par
15629 \vskip 1.5em}
15630 \fi
15631 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
15632 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15633 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15634 \renewcommand\theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
15635 \renewcommand\thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
15636 \renewcommand\theequation{%
15637 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15638 \renewcommand\thefigure{%
15639 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
15640 \renewcommand\thetable{%
15641 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

88 File fancybox-xetex-bidi.def

```

15642 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox packag
15643 \def\fancy@oval#1#2#3{%
15644 \boxmaxdepth \maxdimen
15645 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
15646 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
15647 \@ovxx#1\relax
15648 \advance\@ovxx-\@wholewidth
15649 \@ovyy#2\relax
15650 \advance\@ovyy-\@wholewidth
15651 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \else \@ovyy \fi
15652 \advance\@tempdimb-2\p@
15653 \ifdim\@tempdimb>\the@cornersize\relax
15654 \@tempdimb=\the@cornersize
15655 \fi
15656 \@getcirc\@tempdimb
15657 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
15658 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
15659 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
15660 \circlefnt
15661 \setbox\@tempboxa\hbox{\beginL%
15662 \if@ovr \@ovvert32\kern -\@tempdima \fi
15663 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
15664 \if@ovt \@ovhorz \kern -\@ovxx \fi
15665 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
15666 \advance\@ovdx\@ovro
15667 \advance\@ovdy\@ovro
15668 \advance\@ovxx\@wholewidth

```



```
15669 \wd\@tempboxa=\@ovxx
15670 \dp\@tempboxa=\z@}
```

89 File fancyhdr-xetex-bidi.def

```
15671 \ProvidesFile{fancyhdr-xetex-bidi.def}[2024/12/07 v0.8 bidi adaptations for fancyhdr package]
15672
15673 \let\f@nch@everypar\everypar
15674
15675 \bidi@patchcmd\f@nch@head\raggedright\bidi@raggedright
15676 {}{\bidi@warningnoline{Oops! patching `string\f@nch@head' failed}}
15677 \bidi@patchcmd\f@nch@head\raggedleft\bidi@raggedleft
15678 {}{\bidi@warningnoline{Oops! patching `string\f@nch@head' failed}}
15679
15680 \bidi@patchcmd\f@nch@foot\raggedright\bidi@raggedright
15681 {}{\bidi@warningnoline{Oops! patching `string\f@nch@foot' failed}}
15682 \bidi@patchcmd\f@nch@foot\raggedleft\bidi@raggedleft
15683 {}{\bidi@warningnoline{Oops! patching `string\f@nch@foot' failed}}
15684
```

90 File fix2col-xetex-bidi.def

```
15685 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
15686 \def\RTL\outputdblcol{%
15687   \if@firstcolumn
15688     \global\@firstcolumnfalse
15689     \global\setbox\@leftcolumn\copy\@outputbox
15690     \splitmaxdepth\maxdimen
15691     \vbadness\maxdimen
15692     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15693     \toks@\expandafter{\topmark}%
15694     \xdef\@firstcoltopmark{\the\toks@}%
15695     \toks@\expandafter{\splitfirstmark}%
15696     \xdef\@firstcolfirstmark{\the\toks@}%
15697     \ifx\@firstcolfirstmark\@empty
15698       \global\let\@setmarks\relax
15699     \else
15700       \gdef\@setmarks{%
15701         \let\firstmark\@firstcolfirstmark
15702         \let\topmark\@firstcoltopmark}%
15703     \fi
15704 \else \global\@firstcolumntrue
15705 \setbox\@outputbox \vbox {\hbox to\textwidth {%
15706 \hskip \columnwidth
15707 \hfil \vrule width\columnseprule \hfil
15708 \hbox to\columnwidth {%
15709 \bidi@firstcolumn@status@write%
15710 \box\@leftcolumn \hss}%
15711 \hskip -\textwidth
15712 \hbox to\columnwidth{%
15713 \bidi@lastcolumn@status@write%
15714 \box\@outputbox \hss}%
15715 \hskip \columnsep
15716 \hskip \columnwidth }}%
```



```

15717 \@combinedblfloats \@setmarks \@outputpage
15718 \begingroup \@dblfloatplacement \@startdblcolumn
15719 \@whilesw\if@fcolmade \fi
15720 {\@outputpage \@startdblcolumn }\endgroup
15721 \fi}
15722 \def\LTR@outputdblcol{%
15723   \if@firstcolumn
15724     \global\@firstcolumnfalse
15725     \global\setbox\@leftcolumn\copy\@outputbox
15726     \splitmaxdepth\maxdimen
15727     \vbadness\maxdimen
15728     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15729     \toks@\expandafter{\topmark}%
15730     \xdef\@firstcoltopmark{\the\toks@}%
15731     \toks@\expandafter{\splitfirstmark}%
15732     \xdef\@firstcolfirstmark{\the\toks@}%
15733     \ifx\@firstcolfirstmark\@empty
15734       \global\let\@setmarks\relax
15735     \else
15736       \gdef\@setmarks{%
15737         \let\firstmark\@firstcolfirstmark
15738         \let\topmark\@firstcoltopmark}%
15739     \fi
15740   \else
15741     \global\@firstcolumntrue
15742     \setbox\@outputbox\vbox{%
15743       \hb@xt@\textwidth{%
15744         \hb@xt@\columnwidth{%
15745           \bidi@firstcolumn@status@write%
15746           \box\@leftcolumn \hss}%
15747         \hfil
15748         \vrule \@width\columnseprule
15749         \hfil
15750         \hb@xt@\columnwidth{%
15751           \bidi@lastcolumn@status@write%
15752           \box\@outputbox \hss}}}%
15753   \@combinedblfloats
15754   \@setmarks
15755   \@outputpage
15756   \begingroup
15757   \@dblfloatplacement
15758   \@startdblcolumn
15759   \@whilesw\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
15760   \endgroup
15761 \fi}

```

91 File fleqn-xetex-bidi.def

```

15762 \ProvidesFile{fleqn-xetex-bidi.def}[2024/12/07 v0.2 bidi adaptations for fleqn tag for XeTeX]
15763 \DeclareRobustCommand\[\relax
15764     \ifmmode\@badmath
15765     \else
15766     \begin{trivlist}%
15767     \beginparpenalty\predisplaypenalty

```



```

15768             \endparpenalty\postdisplaypenalty
15769             \item[]\leavevmode
15770             \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
15771             \hskip\mathindent\bgroup
15772             \fi}
15773 \DeclareRobustCommand\{\relax
15774             \ifmmode
15775                 \egroup $\hfil% $
15776                 \endL\egroup
15777             \end{trivlist}%
15778             \else \@badmath
15779             \fi}
15780 \renewenvironment{equation}%
15781     {\@beginparpenalty\predisplaypenalty
15782     \@endparpenalty\postdisplaypenalty
15783     \refstepcounter{equation}%
15784     \trivlist \item[]\leavevmode
15785     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
15786     \displaystyle
15787     \hskip\mathindent}%
15788     {$\hfil % $
15789     \displaywidth\linewidth\hbox{\@eqnnum}%
15790     \endL\egroup
15791     \endtrivlist}

```

92 File float-xetex-bidi.def

```

15792 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for
15793 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
15794 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
15795 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
15796 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
15797 \expandafter\edef\csname the#1\endcsname{%
15798 \expandafter\noexpand\csname
15799 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
15800 {\PackageWarning{float}{Can't redefine counter variable for #1.}}

```

93 File floatrow-xetex-bidi.def

```

15801 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
15802 \renewcommand\flnew@within[1]{\@addtoreset{\FB@capttype}{#1}%
15803 \expandafter\edef\csname the\FB@capttype\endcsname{%
15804 \expandafter\noexpand\csname
15805 the#1\endcsname\@SepMark\noexpand\arabic{\FB@capttype}}

```

94 File flowfram-xetex-bidi.def

```

15806 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package
15807 \def\@outputdblcol{%
15808 \nxtcol=\c@thisframe
15809 \c@curpg=\c@page
15810 \@g@tnxtcol{\nxtcol}%
15811 \if@ff@nwp % next flow frame starts on new page
15812 \global\@firstcolumntrue

```



```

15813 \@setcolbox\c@thisframe
15814 \if@specialpage
15815   \global\@specialpagefalse
15816   \@nameuse{ps@\@specialstyle}\relax
15817 \fi
15818 \if@twoside
15819   \ifodd\count\z@
15820     \let\@thehead\@oddhead
15821     \let\@thefoot\@oddfoot
15822   \else
15823     \let\@thehead\@evenhead
15824     \let\@thefoot\@evenfoot
15825   \fi
15826 \else
15827   \let\@thehead\@oddhead
15828   \let\@thefoot\@oddfoot
15829 \fi
15830 \@begindvi
15831 \@dodynamicthehead\@dodynamicthefoot
15832 \vbadness=\@M
15833 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
15834 \@combinedblfloats
15835 \@outputpage
15836 \advance\c@curpg by -\c@page\relax
15837 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
15838 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
15839 \@outputpage}
15840 \beginingroup
15841   \@dblfloatplacement
15842   \@startdblcolumn
15843   \@whilesw \if@colmade \fi
15844     {\@outputpage \@startdblcolumn }\endgroup
15845 \@resetst@tics
15846 \@resetdyn@tics
15847 \else % still on same page, save contents of box255
15848   \global\@firstcolumnfalse
15849   \@setcolbox\c@thisframe
15850 \fi
15851 \global\c@thisframe=\@nxtcol
15852 \@setcol{\c@thisframe}\relax
15853 \global\@colht\vsiz
15854 }
15855 \def\@outputpage{%
15856 \beginingroup
15857   \let\protect\noexpand
15858   \@resetactivechars
15859   \global\let\@if@newlist\if@newlist
15860   \global\@newlistfalse\@parboxrestore
15861   \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
15862   \bidi@beforeoutputpageshipouthook
15863   \shipout\vbox{\set@typeset@protect
15864     \aftergroup
15865     \endgroup
15866   \aftergroup

```




```

15867 \set@typeset@protect
15868 \reset@font\normalsize
15869 \bidi@font@@outputpage
15870 \normalsfcodes
15871 \let\label@gobble
15872 \let\index@gobble
15873 \let\glossary@gobble
15874 \baselineskip\z@skip
15875 \lineskip\z@skip
15876 \lineskiplimit\z@
15877 \vskip\topmargin\moveright\@themargin
15878 \vbox{%
15879 \global\let\bidi@BeforeHeader\@firstofone
15880 \bidi@beforeheaderhook
15881 \vskip\headheight
15882 \vskip\headsep
15883 \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
15884 \bidi@beforeoutputboxoutputpagehook
15885 \box\@outputbox
15886 \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
15887 \bidi@afteroutputboxoutputpagehook
15888 }%
15889 \global\let\bidi@AfterOutputPageShipOut\@firstofone
15890 \bidi@afteroutputpageshipouthook
15891 \global\let\if@newlist\@if@newlist
15892 \stepcounter{page}%
15893 \setcounter{displayedframe}{0}%
15894 \let\firstmark\botmark
15895 \global\let\bidi@AtEndOutputPage\@firstofone
15896 \bidi@atendoutputpagehook
15897 }
15898
15899
15900 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}{%
15901 \expandafter\bidicolor\ff@txtcol}}
15902
15903 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
15904 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z0}}}}
15905
15906
15907 \renewcommand*\@docolbox}[1]{%
15908 \edef\ff@frametype{%
15909 \csname @ff@frametype@romannumeral#1\endcsname}%
15910 \edef\ff@col{\csname @ff@col@romannumeral#1\endcsname}%
15911 \edef\ff@txtcol{\csname @ff@txtcol@romannumeral#1\endcsname}%
15912 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
15913 \@ff@setoffset{#1}%
15914 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%
15915 \ifthenelse{\boolean{columnframe\romannumeral#1}}{}}{%
15916 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
15917 {\csname colheight\romannumeral#1\endcsname}}{%
15918 \expandafter\box\csname column\romannumeral#1\endcsname}}{%
15919 \csname\ff@frametype\endcsname}%
15920 }{%

```



```

15921 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
15922 {\csname colheight\romannumeral#1\endcsname}{%
15923 \expandafter\box\csname column\romannumeral#1\endcsname}%
15924 ]}}
15925 \@ifclassloaded{book}{%
15926 \renewcommand\theequation
15927   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15928 \renewcommand \thefigure
15929   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15930 \renewcommand \thetable
15931   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15932 \renewcommand \thechapter {\@arabic\c@chapter}
15933 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15934 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15935 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15936 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15937 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
15938 \@ifclassloaded{report}{%
15939 \renewcommand\theequation
15940   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15941 \renewcommand \thefigure
15942   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15943 \renewcommand \thetable
15944   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15945 \renewcommand \thechapter {\@arabic\c@chapter}
15946 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15947 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15948 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15949 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15950 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
15951 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
15952 \rotatebox{#1}{\if@RTL@beginL\fi#2\if@RTL@endL\fi}}%
15953 \else
15954 #2\relax
15955 \fi}

```

95 File footnote-xetex-bidi.def

```

15956 \ProvidesFile{footnote-xetex-bidi.def}[2023/01/18 v1.2 bidi footnote macros for XeTeX engine]
15957 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
15958 \newif\ifbidi@autofooterule
15959 \def\bidi@mpfootnoterule{\footnoterule}
15960 \newcounter{footdir@label}
15961 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
15962 \newcommand*{\footdir@write}{%
15963   \stepcounter{footdir@label}%
15964   \zref@labelbyprops{\thefootdir@label}{abspage}%
15965 }
15966 \newif\iffootdir@debug
15967 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
15968 \newtoks\footdir@toks
15969 \newcommand*{\footdir@debug}[1]{%
15970   \iffootdir@debug
15971     \typeout{[footdir] #1}%

```



```

15972 \fi
15973 }
15974 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
15975 % \newcommand*{\footdir@LeftRightElse}{%
15976 % \ltx@ifundefined{footdir@the\value{zabspage}}{%
15977 % \footdir@debug{abspage \the\value{zabspage}: else}%
15978 % \ltx@thirdofthree
15979 % }{%
15980 % \if\csname footdir@the\value{zabspage}\endcsname L%
15981 % \footdir@debug{abspage \the\value{zabspage}: left}%
15982 % \expandafter\ltx@firstofthree
15983 % \else
15984 % \footdir@debug{abspage \the\value{zabspage}: right}%
15985 % \expandafter\ltx@secondofthree
15986 % \fi
15987 % }%
15988 % }%
15989 %}{%
15990 \providecommand*{\c@zabspage}{\c@abspage}%
15991 \newcommand*{\footdir@LeftRightElse}{%
15992 \footdir@write
15993 \zifrefundefined{\thefootdir@label}{%
15994 \footdir@debug{abspage ??: else}%
15995 \ltx@thirdofthree
15996 }{%
15997 \edef\footdir@abspage{%
15998 \zref@extractdefault{\thefootdir@label}{abspage}{0}%
15999 }%
16000 \ltx@ifundefined{footdir@\footdir@abspage}{%
16001 \footdir@debug{\footdir@abspage: else}%
16002 \ltx@thirdofthree
16003 }{%
16004 \if\csname footdir@\footdir@abspage\endcsname L%
16005 \footdir@debug{\footdir@abspage: left}%
16006 \expandafter\ltx@firstofthree
16007 \else
16008 \footdir@debug{\footdir@abspage: right}%
16009 \expandafter\ltx@secondofthree
16010 \fi
16011 }%
16012 }%
16013 }%
16014 %}
16015 \newcommand*{\footdir@fntext}[1]{%
16016 \zifrefundefined{\thefootdir@label}{%
16017 }{%
16018 \edef\footdir@name{%
16019 footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
16020 }%
16021 \@ifundefined{\footdir@name}{%
16022 \expandafter\gdef\csname\footdir@name\endcsname{#1}%
16023 }{}%
16024 }%
16025 }

```



```

16026
16027 \newcommand*{\footdir@temp}[3]{%
16028   \@ifdefinable{#1}{%
16029     \let#1#2%
16030     \renewcommand{#2}[1]{%
16031       \footdir@write
16032       \footdir@fntext{#3}%
16033       \stepcounter{footdir@label}%
16034       \footdir@fntext{#3}%
16035       \footdir@toks{##1}%
16036       \footdir@toks\expandafter{%
16037         \the\expandafter\footdir@toks
16038         \expandafter
16039         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
16040       }%
16041       \expandafter#1\expandafter{\the\footdir@toks}%
16042     }%
16043   }%
16044 }
16045
16046 \def\right@footnoterule{%
16047   \kern-3\p@
16048   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16049   \kern2.6\p@}
16050 \def\left@footnoterule{\kern-3\p@
16051   \hrule \@width .4\columnwidth \kern 2.6\p@}
16052 \def\textwidth@footnoterule{\kern-3\p@
16053   \hrule \@width \columnwidth \kern 2.6\p@}
16054 \def\leftfootnoterule{%
16055   \bidi@autofootnoterulefalse%
16056   \def\footnoterule{\left@footnoterule}}
16057 \let\LRfootnoterule=\leftfootnoterule
16058 \def\rightfootnoterule{%
16059   \bidi@autofootnoterulefalse%
16060   \def\footnoterule{\right@footnoterule}}
16061 \def\textwidthfootnoterule{%
16062   \bidi@autofootnoterulefalse%
16063   \def\footnoterule{\textwidth@footnoterule}}
16064
16065
16066
16067 \def\auto@footnoterule{%
16068   \footdir@LeftRightElse%
16069   \left@footnoterule%
16070   \right@footnoterule%
16071   \left@footnoterule%
16072 }
16073
16074
16075
16076 \def\autofootnoterule{%
16077   \bidi@autofootnoteruletrue%
16078   \def\footnoterule{\auto@footnoterule}%
16079 }

```



```

16080
16081 \newcommand*{\SplitFootnoteRule}{%
16082   \gdef\split@prev{0}
16083   \let\pagefootnoterule\footnoterule
16084   \let\mpfootnoterule\footnoterule
16085   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
16086   \def\footnoterule{\relax
16087     \ifx \@listdepth\@mplistdepth
16088       \mpfootnoterule
16089     \else
16090       \ifnum\split@prev=\z@
16091         \pagefootnoterule
16092       \else
16093         \splitfootnoterule
16094       \fi
16095       \xdef\split@prev{\the\insertpenalties}%
16096     \fi
16097   }%
16098 }
16099
16100
16101
16102
16103 \def\RTLfootnote{\@ifnextchar [\@xRTLfootnote{\stepcounter\@mpfn
16104   \protected@xdef\@thefnmark{\thempfn}%
16105   \@footnotemark\@RTLfootnotetext}}
16106 \def\@xRTLfootnote[#1]{%
16107   \begingroup
16108     \csname c@\@mpfn\endcsname #1\relax
16109     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16110   \endgroup
16111   \@footnotemark\@RTLfootnotetext}
16112 \def\LTRfootnote{\@ifnextchar [\@xLTRfootnote{\stepcounter\@mpfn
16113   \protected@xdef\@thefnmark{\thempfn}%
16114   \@footnotemark\@LTRfootnotetext}}
16115 \def\@xLTRfootnote[#1]{%
16116   \begingroup
16117     \csname c@\@mpfn\endcsname #1\relax
16118     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16119   \endgroup
16120   \@footnotemark\@LTRfootnotetext}
16121
16122
16123 \def\setfootnoteRL{\@RTL@footnotetrue}
16124 \def\unsetfootnoteRL{\@RTL@footnotefalse}
16125 \def\setfootnoteLR{\unsetfootnoteRL}
16126
16127 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
16128 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
16129 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
16130
16131 \long\def\@footnotetext#1{\insert\footins{%
16132   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
16133   \reset@font%

```



```

16134 \bidi@@footnotetext@font% \reset@font\footnotesize
16135 \interlinepenalty\interfootnotelinepenalty
16136 \splittopskip\footnotesep
16137 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
16138 \hsize\columnwidth \@parboxrestore
16139 \protected@edef\@currentlabel{%
16140 \csname p@footnote\endcsname\@thefnmark
16141 }%
16142 \color@begingroup
16143 \makefnintext{%
16144 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16145 \color@endgroup}}%
16146
16147
16148 \long\def\@RTLfootnotetext#1{\insert\footins{%
16149 \RTLtrue%
16150 \reset@font%
16151 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
16152 \interlinepenalty\interfootnotelinepenalty
16153 \splittopskip\footnotesep
16154 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
16155 \hsize\columnwidth \@parboxrestore
16156 \protected@edef\@currentlabel{%
16157 \csname p@footnote\endcsname\@thefnmark
16158 }%
16159 \color@begingroup
16160 \makefnintext{%
16161 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16162 \color@endgroup}}%
16163
16164 \long\def\@LTRfootnotetext#1{\insert\footins{%
16165 \RTLfalse%
16166 \reset@font%
16167 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
16168 \interlinepenalty\interfootnotelinepenalty
16169 \splittopskip\footnotesep
16170 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
16171 \hsize\columnwidth \@parboxrestore
16172 \protected@edef\@currentlabel{%
16173 \csname p@footnote\endcsname\@thefnmark
16174 }%
16175 \color@begingroup
16176 \makefnintext{%
16177 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16178 \color@endgroup}}%
16179
16180 \AtBeginDocument{%
16181 \if@RTL@footnote
16182 \newcommand*{\bidi@footdir@footnote}{R}
16183 \else
16184 \newcommand*{\bidi@footdir@footnote}{L}
16185 \fi%
16186 }
16187

```



```

16188 \footdir@temp\footdir@ORG@bidi@footnotetext@footnotetext{\bidi@footdir@footnote}%
16189 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext@RTLfootnotetext{R}%
16190 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext@LTRfootnotetext{L}%
16191
16192 \long\def\@mpRTLfootnotetext#1{%
16193   \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule
16194   \global\setbox\@mpfootins\vbox{%
16195     \unvbox\@mpfootins
16196     \RTLtrue
16197     \reset@font%
16198     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
16199     \hsize\columnwidth
16200     \@parboxrestore
16201     \protected@edef\@currentlabel
16202       {\csname p@mpfootnote\endcsname\@thefnmark}%
16203     \color@begingroup
16204       \makefnmark%
16205       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16206     \color@endgroup}}
16207 \long\def\@mpLTRfootnotetext#1{%
16208   \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule
16209   \global\setbox\@mpfootins\vbox{%
16210     \unvbox\@mpfootins
16211     \RTLfalse
16212     \reset@font%
16213     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
16214     \hsize\columnwidth
16215     \@parboxrestore
16216     \protected@edef\@currentlabel
16217       {\csname p@mpfootnote\endcsname\@thefnmark}%
16218     \color@begingroup
16219       \makefnmark%
16220       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16221     \color@endgroup}}
16222 \long\def\@mpfootnotetext#1{%
16223   \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnoterule\right@footnoterule
16224   \global\setbox\@mpfootins\vbox{%
16225     \unvbox\@mpfootins
16226     \ifRTL@footnote\RTLtrue\else\RTLfalse\fi
16227     \reset@font%
16228     \bidi@footnotetext@font% \reset@font\footnotesize
16229     \hsize\columnwidth
16230     \@parboxrestore
16231     \protected@edef\@currentlabel
16232       {\csname p@mpfootnote\endcsname\@thefnmark}%
16233     \color@begingroup
16234       \makefnmark%
16235       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16236     \color@endgroup}}
16237 \def\@iiminipage#1#2[#3]#4{%
16238   \leavevmode
16239   \@pboxswfalse
16240   \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
16241   \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi

```



```

16242 \setlength\@tempdima{#4}%
16243 \def\@mpargs{#{1}#{2}[#{3}]{#4}}%
16244 \setbox\@tempboxa\vbox\bgroup
16245 \color@begingroup
16246 \hsize\@tempdima
16247 \textwidth\hsize \columnwidth\hsize
16248 \@parboxrestore
16249 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
16250 \let\@footnotetext\@mpfootnotetext
16251 \let\@LTRfootnotetext\@mpLTRfootnotetext
16252 \let\@RTLfootnotetext\@mpRTLfootnotetext
16253 \let\@listdepth\@mplistdepth \@mplistdepth\z@
16254 \@minipagerestore
16255 \@setminipage}
16256 \def\endminipage{%
16257 \par
16258 \unskip
16259 \ifvoid\@mpfootins\else
16260 \vskip\skip\@mpfootins
16261 \normalcolor
16262 \bidi@mpfootnoterule
16263 \unvbox\@mpfootins
16264 \fi
16265 \@minipagefalse %% added 24 May 89
16266 \color@endgroup
16267 \egroup
16268 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
16269 \def\LTRthanks#1{\footnotemark
16270 \protected@xdef\@thanks{\@thanks
16271 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
16272 }
16273 \def\LTRfootnotetext{%
16274 \@ifnextchar [\@xLTRfootnotenext
16275 {\protected@xdef\@thefnmark{\thempfn}}%
16276 \@LTRfootnotetext}}
16277 \def\@xLTRfootnotenext[#1]{%
16278 \begingroup
16279 \csname c@\@mpfn\endcsname #1\relax
16280 \unrestored@protected@xdef\@thefnmark{\thempfn}%
16281 \endgroup
16282 \@LTRfootnotetext}
16283 \def\RTLthanks#1{\footnotemark
16284 \protected@xdef\@thanks{\@thanks
16285 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
16286 }
16287 \let\@thanks\@empty
16288 \def\RTLfootnotetext{%
16289 \@ifnextchar [\@xRTLfootnotenext
16290 {\protected@xdef\@thefnmark{\thempfn}}%
16291 \@RTLfootnotetext}}
16292 \def\@xRTLfootnotenext[#1]{%
16293 \begingroup
16294 \csname c@\@mpfn\endcsname #1\relax
16295 \unrestored@protected@xdef\@thefnmark{\thempfn}%

```




```

16296 \endgroup
16297 \@RTLfootnotetext}
16298 \leftfootnoterule

```

96 File footnotebackref-xetex-bidi.def

```

16299 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
16300 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
16301 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
16302
16303 \renewcommand*\LTRfootnote{%
16304   \refstepcounter{BackrefHyperFootnoteCounter}%
16305   \edef\BackrefFootnoteTag{bfn:\theBackrefHyperFootnoteCounter}%
16306   \label{\BackrefFootnoteTag}%
16307   \@ifnextchar [\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote]
16308
16309 \renewcommand*\RTLfootnote{%
16310   \refstepcounter{BackrefHyperFootnoteCounter}%
16311   \edef\BackrefFootnoteTag{bfn:\theBackrefHyperFootnoteCounter}%
16312   \label{\BackrefFootnoteTag}%
16313   \@ifnextchar [\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote]
16314 \newcommand\Backref@HyperLTRFootnote[1]{%
16315   \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
16316
16317 \newcommand\Backref@HyperRTLFootnote[1]{%
16318   \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
16319
16320 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
16321   \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
16322
16323 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
16324   \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
16325
16326 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
16327 \ifFootnoteBackref@numberlinked
16328 \renewcommand{\footfootmark}{%
16329   \ifdim\footmarkwidth < \z@
16330     \llap{\hb@xt@ -\footmarkwidth{%
16331       \hss\normalfont\footscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16332       \hspace*{-\footmarkwidth}}%
16333   \else
16334     \ifdim\footmarkwidth = \z@
16335       {\normalfont\footscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16336     \else
16337       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16338     \fi
16339   \fi}
16340 \renewcommand{\LTRfootfootmark}{%
16341   \ifdim\footmarkwidth < \z@
16342     \llap{\hb@xt@ -\footmarkwidth{%
16343       \hss\normalfont\LTRfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16344       \hspace*{-\footmarkwidth}}%
16345   \else
16346     \ifdim\footmarkwidth = \z@

```



```

16347     {\normalfont\LTRfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16348   \else
16349     \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref [\BackrefFootnoteTag]{\@
16350   \fi
16351   \fi}
16352 \renewcommand{\RTLfootfootmark}{%
16353   \ifdim\footmarkwidth < \z@
16354     \llap{\hb@xt@ -\footmarkwidth{%
16355       \hss\normalfont\RTLfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16356       \hspace*{-\footmarkwidth}}%
16357   \else
16358     \ifdim\footmarkwidth = \z@
16359       {\normalfont\RTLfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16360     \else
16361       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref [\BackrefFootnoteTag]{\@
16362   \fi
16363   \fi}
16364 \fi
16365 }

```

97 File framed-xetex-bidi.def

```

16366 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package fo
16367 \renewcommand\TitleBarFrame[3] []{\begingroup
16368   \ifx\delimiter#1\delimiter
16369     \let\TF@conlab@empty
16370   \else
16371     \def\TF@conlab{% continuation label
16372     \nointerlineskip
16373     \smash{\rlap{\kern\wd@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
16374   \fi
16375   %\let\TF@savecolor\current@color
16376   \textcolor{TF@FrameColor}{%
16377   \CustomFBox
16378     {\TF@Title{#2}}{\TF@conlab}%
16379     \fbboxrule\fbboxrule\fbboxrule\fbboxrule
16380     %{\let\current@color\TF@savecolor\set@color #3}%
16381     {\normalcolor #3}%
16382   }\endgroup
16383 }
16384 \renewenvironment{titled-frame}[1]{%
16385   \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
16386     \TitleBarFrame{\textbf{#1}}}%
16387   \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
16388     \TitleBarFrame [ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1}}}%
16389   \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
16390     \TitleBarFrame [ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1} (co
16391   \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
16392     \TitleBarFrame{\textbf{#1} (cont)}}}%
16393   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
16394 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
16395 % could interfere with the width measurement.
16396 {\endMakeFramed}
16397 \chardef\FrameRestore=\catcode`\| % for debug

```



```

16398 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
16399 \def\fb@put@frame#1#2{\relax
16400 \ifdim\pagegoal=\maxdimen \pagegoal\vszize \fi
16401 | \message{===== Entering putframe =====^^J
16402 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
16403 \ifinner
16404 \fb@putboxa#1%
16405 \fb@afterframe
16406 \else
16407 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
16408 \ifdim\dimen@<2\baselineskip % Too little room on page
16409 | \message{Page has only \the\dimen@\space room left; eject. }%
16410 \eject \fb@adjheight \fb@put@frame#1#2%
16411 \else % there's appreciable room left on the page
16412 \fb@sizeofframe#1%
16413 | \message{\string\pagetotal=\the\pagetotal,
16414 | \string\pagegoal=\the\pagegoal,
16415 | \string\pagestretch=\the\pagestretch,
16416 | \string\pageshrink=\the\pageshrink,
16417 | \string\fb@frh=\the\fb@frh. \space}
16418 | \message{^^JBox of size \the\ht\@tempboxa\space}%
16419 \beginngroup % temporarily set \dimen@ to be...
16420 \advance\dimen@.8\pageshrink % maximum space available on page
16421 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
16422 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
16423 \expandafter\endgroup
16424 % expand \ifdim, then restore \dimen@ to real room left on page
16425 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
16426 | \message{fits in \the\dimen@. }%
16427 % ToDo: Change this to use vsplit anyway to capture the marks
16428 % MERGE THIS WITH THE else CLAUSE!!!
16429 \fb@putboxa#1%
16430 \fb@afterframe
16431 \else % box must be split
16432 | \message{must be split to fit in \the\dimen@. }%
16433 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
16434 \fb@sizeofframe#2%
16435 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
16436 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
16437 \kern137sp\kern-137sp\penalty-30
16438 \unvbox\@tempboxa}%
16439 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
16440 \splittopskip\the\splittopskip}%
16441 \boxmaxdepth\z@ \splittopskip\z@
16442 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
16443 % Split box here
16444 \setbox\tw@\vsplit\@tempboxa to\dimen@
16445 | \toks99\expandafter{\splitfirstmark}%
16446 | \toks98\expandafter{\splitbotmark}%
16447 | \message{Marks are: \the\toks99, \the\toks98. }%
16448 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
16449 | \message{Natural height of split box is \the\ht\tw@, leaving
16450 | \the\ht\@tempboxa\space remainder. }%
16451 % If the split-to size > (\vszize-\topskip), then set box to full size.

```



```

16452 \begingroup
16453 \advance\dimen@\topskip
16454 \expandafter\endgroup
16455 \ifdim\dimen@>\pagegoal
16456 | \message{Frame is big -- Use up the full column. }%
16457 \dimen@ii\pagegoal
16458 \advance\dimen@ii -\topskip
16459 \advance\dimen@ii \FrameHeightAdjust\relax
16460 \else % suspect this is implemented incorrectly:
16461 % If the split-to size > feasible room_on_page, rebox it smaller.
16462 \advance\dimen@.8\pageshrink
16463 \ifdim\ht\tw@>\dimen@
16464 | \message{Box too tall; rebox it to \the\dimen@. }%
16465 \dimen@ii\dimen@
16466 \else % use natural size
16467 \dimen@ii\ht\tw@
16468 \fi
16469 \fi
16470 % Re-box contents to desired size \dimen@ii
16471 \advance\dimen@ii -\fb@frh
16472 \setbox\tw@\vbox to\dimen@ii \bgroup
16473 % remove simulated frame and page flexibility:
16474 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
16475 \unvbox\tw@ \unpenalty\unpenalty
16476 \ifdim\lastkern=-137sp % whole box went to next page
16477 | \message{box split at beginning! }%
16478 % need work here???
16479 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
16480 \fb@adjheight
16481 \fb@put@frame#1#2% INSERTED ???
16482 \else % Got material split off at the head
16483 \egroup \fb@resto@set
16484 \ifvoid\@tempboxa % it all fit after all
16485 | \message{box split at end! }%
16486 \setbox\@tempboxa\box\tw@
16487 \fb@putboxa#1%
16488 \fb@afterframe
16489 \else % it really did split
16490 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
16491 \ifdim\wd\tw@>\z@
16492 \wd\tw@\wd\@tempboxa
16493 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
16494 \else
16495 | \message{Zero width means likely blank. Don't frame it (guess)}%
16496 \box\tw@
16497 \fi
16498 \hrule \@height\z@ \@width\hsize
16499 \eject
16500 \fb@adjheight
16501 \fb@put@frame\LastFrameCommand\MidFrameCommand
16502 \fi\fi\fi\fi\fi
16503 }
16504 \def\fb@putboxa#1{%
16505 \ifvoid\@tempboxa

```



```

16506 \PackageWarning{framed}{Boxa is void -- discard it. }%
16507 \else
16508 | \message{Frame and place boxa. }%
16509 | %{\showoutput\showbox\@tempboxa}%
16510 \centerline{#1{\hboxL{\box\@tempboxa}}}%
16511 \fi
16512 }
16513 \catcode`\|= \FrameRestore
16514 \def\FrameRestore{%
16515 \let\if@nobreak\iffalse
16516 \let\if@noskipsec\iffalse
16517 \let\-\@dischph
16518 \let'\@acci\let`\@accii\let\=\@acciii
16519 % \message{FrameRestore:
16520 % \totalleftmargin=\the \totalleftmargin,
16521 % \rightmargin=\the\rightmargin,
16522 % \listdepth=\the\listdepth. }%
16523 % Test if we are in a list (or list-like paragraph)
16524 \ifnum \ifdim\totalleftmargin>\z@ 1\fi
16525 \ifdim\rightmargin>\z@ 1\fi
16526 \ifnum\listdepth>\z@ 1\fi 0>\z@
16527 % \message{In a list: \linewidth=\the\linewidth, \totalleftmargin=\the\totalleft
16528 % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
16529 % \labelwidth=\the\labelwidth. }%
16530 \@setminipage % snug fit around the item
16531 % Now try to propagate changes of width from \hsize to list parameters.
16532 % This is deficient, but a more advanced way to indicate modification to text
16533 % dimensions is not (yet) provided; in particular, no separate left/right
16534 % adjustment.
16535 \advance\linewidth-\columnwidth \advance\linewidth\hsize
16536 \parshape\@ne \totalleftmargin \linewidth
16537 \else % Not in list
16538 \linewidth=\hsize
16539 %\message{No list, set \string\linewidth=\the\hsize. }%
16540 \fi
16541 \sloppy
16542 }

```

98 File `ftnright-xetex-bidi.def`

```

16543 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
16544
16545 \def\prepare@bidi@copyins{%
16546 \global\ bidi@rcol@copyinsskip\skip\@bidi@copyins@
16547 \global\skip\@bidi@copyins@\z@
16548 \global\count\@bidi@copyins@\z@
16549 \global\dimen\@bidi@copyins@\textheight}
16550
16551 \newskip\ bidi@rcol@copyinsskip
16552
16553 \def\LTR@outputdblcol{%
16554 \if@firstcolumn
16555 \global\@firstcolumnfalse
16556 \global\setbox\@leftcolumn\copy\@outputbox

```



```

16557 \global\count\footins\@m
16558 \global\skip\footins\rcol@footinsskip
16559 \global\count\@bidi@copyins@\@m
16560 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
16561 \splitmaxdepth\maxdimen
16562 \vbadness\maxdimen
16563 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16564 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16565 \toks@\expandafter{\topmark}%
16566 \xdef\@firstcoltopmark{\the\toks@}%
16567 \toks@\expandafter{\splitfirstmark}%
16568 \xdef\@firstcolfirstmark{\the\toks@}%
16569 \ifx\@firstcolfirstmark\@empty
16570 \global\let\@setmarks\relax
16571 \else
16572 \gdef\@setmarks{%
16573 \let\firstmark\@firstcolfirstmark
16574 \let\topmark\@firstcoltopmark}%
16575 \fi
16576 \else
16577 \preparefootins
16578 \prepare@bidi@copyins
16579 \global\@firstcolumntrue
16580 \setbox\@outputbox\vbox{%
16581 \hb@xt@\textwidth{%
16582 \hb@xt@\columnwidth{%
16583 \bidi@firstcolumn@status@write%
16584 \box\@leftcolumn \hss}%
16585 \hfil
16586 {\normalcolor\vrule \@width\columnseprule}%
16587 \hfil
16588 \hb@xt@\columnwidth{%
16589 \bidi@lastcolumn@status@write%
16590 \box\@outputbox \hss}}}%
16591 \@combinedblfloats
16592 \@setmarks
16593 \@outputpage
16594 \begingroup
16595 \@dblfloatplacement
16596 \@startdblcolumn
16597 \@whilesw\if@fcolmade \fi{\@outputpage
16598 \@startdblcolumn}%
16599 \endgroup
16600 \fi}%
16601
16602 \def\RTL@outputdblcol{%
16603 \if@firstcolumn
16604 \global\@firstcolumnfalse
16605 \global\setbox\@leftcolumn\copy\@outputbox
16606 \global\count\footins\@m
16607 \global\skip\footins\rcol@footinsskip
16608 \global\count\@bidi@copyins@\@m
16609 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
16610 \splitmaxdepth\maxdimen

```



```

16611 \vbadness\maxdimen
16612 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16613 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16614 \toks@\expandafter{\topmark}%
16615 \xdef\@firstcoltopmark{\the\toks@}%
16616 \toks@\expandafter{\splitfirstmark}%
16617 \xdef\@firstcolfirstmark{\the\toks@}%
16618 \ifx\@firstcolfirstmark\@empty
16619 \global\let\@setmarks\relax
16620 \else
16621 \gdef\@setmarks{%
16622 \let\firstmark\@firstcolfirstmark
16623 \let\topmark\@firstcoltopmark}%
16624 \fi
16625 \else
16626 \preparefootins
16627 \prepare@bidi@copyins
16628 \global\@firstcolumntrue
16629 \setbox\@outputbox\vbox{%
16630 \hb@xt@\textwidth{%
16631 \hskip \columnwidth
16632 \hfil
16633 f\normalcolor\vrule \@width\columnseprule}%
16634 \hfil
16635 \hb@xt@\columnwidth{%
16636 \bidi@firstcolumn@status@write%
16637 \box\@leftcolumn \hss}%
16638 \hskip -\textwidth
16639 \hb@xt@\columnwidth{%
16640 \bidi@lastcolumn@status@write%
16641 \box\@outputbox \hss}%
16642 \hskip \columnsep
16643 \hskip \columnwidth }}%
16644 \@combinedblfloats
16645 \@setmarks
16646 \@outputpage
16647 \begingroup
16648 \@dblfloatplacement
16649 \@startdblcolumn
16650 \@whilesw\if@fcolmade \fi{\@outputpage
16651 \@startdblcolumn}%
16652 \endgroup
16653 \fi}%
16654
16655 \def\@startcolumn{%
16656 \ifx\@deferlist\@empty
16657 \global\@fcolmadefalse
16658 \global\@colroom\@colht
16659 \else
16660 \ifvoid\footins\else
16661 \ftn@amount\ht\footins
16662 \advance\ftn@amount\dp\footins
16663 \advance\ftn@amount\skip\footins
16664 \fi

```



```

16665 \ifvoid\@bidi@copyins@\else
16666   \bidi@copyins@amount\ht\@bidi@copyins@
16667   \advance\bidi@copyins@amount\dp\@bidi@copyins@
16668   \advance\bidi@copyins@amount\skip\@bidi@copyins@
16669 \fi
16670 \global\advance\@colht-\ftn@amount
16671 \global\advance\@colht-\bidi@copyins@amount
16672 \global\@colroom\@colht
16673 \@xstartcol
16674 \global\advance\@colht\ftn@amount
16675 \global\advance\@colroom\ftn@amount
16676 \global\advance\@colht\bidi@copyins@amount
16677 \global\advance\@colroom\bidi@copyins@amount
16678 \fi
16679 \if@fcolmade
16680 \setbox\@cclv\box\@outputbox
16681 \@makecol
16682 \else
16683 \ifvoid\footins\else
16684 \insert\footins{\unvbox\footins}\fi
16685 \ifvoid\@bidi@copyins@\else
16686 \insert\@bidi@copyins@{\unvbox\@bidi@copyins@}\fi
16687 \fi}
16688
16689 \newdimen\bidi@copyins@amount
16690
16691 \def\@makecol{\if@firstcolumn
16692 \setbox\@outputbox\box\@cclv
16693 \if@twocolumn \else
16694 \ifvoid\footins \else
16695 \latexerr{ftnright package
16696   used in one-column mode}%
16697 {The ftnright package was designed to
16698 work with LaTeX's standard^^Jtwocolumn
16699 option. It does *not* work with the
16700 multicol package.^^JSo please specify
16701 `twocolumn' in the
16702 \noexpand\documentclass command.}%
16703 \shipout\box\footins \fi
16704 \ifvoid\@bidi@copyins@ \else
16705 \latexerr{ftnright package
16706   used in one-column mode}%
16707 {The ftnright package was designed to
16708 work with LaTeX's standard^^Jtwocolumn
16709 option. It does *not* work with the
16710 multicol package.^^JSo please specify
16711 `twocolumn' in the
16712 \noexpand\documentclass command.}%
16713 \shipout\box\@bidi@copyins@ \fi\fi
16714 \ifnum\insertpenalties>\z@
16715 \latexerr{ftnright package
16716   scrambled footnotes}%
16717 {There is too much footnote material in
16718 the first column and ftnright^^Jis

```




```

16719     unable to cope with this.^^JYou need
16720     to reduce the amount to get a properly
16721     formatted page.}%
16722     \fi
16723   \else
16724     \ifvoid\footins
16725       \ifvoid\@bidi@copyins@
16726         \setbox\@outputbox\box\@cclv
16727       \else
16728         \setbox\@outputbox\vbox
16729         {\ifvoid\@cclv \else
16730          \unvbox\@cclv
16731          \vskip \skip\@bidi@copyins@
16732         \fi
16733          \color@begingroup
16734          \normalcolor
16735          \unvbox \@bidi@copyins@
16736          \color@endgroup}%
16737     \fi
16738   \else
16739     \setbox\@outputbox\vbox
16740     {\ifvoid\@cclv \else
16741      \unvbox\@cclv
16742      \vskip\skip\footins\fi
16743      \color@begingroup
16744      \normalcolor
16745      \footnoterule\unvbox\footins
16746      \color@endgroup
16747      \ifvoid\@bidi@copyins@
16748      \else
16749        \vskip \skip\@bidi@copyins@
16750        \color@begingroup
16751        \normalcolor
16752        \unvbox \@bidi@copyins@
16753        \color@endgroup
16754      \fi
16755    }%
16756   \fi
16757 \fi
16758 \xdef\@freelist{\@freelist\@midlist}%
16759 \global \let \@midlist \@empty
16760 \@combinefloats
16761 \ifvbox\@kludgeins
16762   \@makespecialcolbox
16763 \else
16764   \setbox\@outputbox\vbox to\@colht
16765   {\boxmaxdepth\maxdepth
16766    \@texttop
16767    \@tempdima\dp\@outputbox
16768    \unvbox\@outputbox
16769    \vskip-\@tempdima
16770    \@textbottom}%
16771 \fi
16772 \global\maxdepth\@maxdepth}

```



```

16773
16774 \let\leftfootnoterule\@empty
16775 \let\rightfootnoterule\@empty
16776 \let\textwidthfootnoterule\@empty
16777 \let\autofootnoterule\@empty
16778 \let\footnoterule\@empty
16779 \long\def\@makefnmark#1{\parindent 1em
16780   \noindent\hbox to 2em{}}%
16781   \llap{\@thefnmark\hbox{.}\,\,}\#1}
16782
16783 \setlength{\skip\@bidi@copyins@}
16784   {10pt plus 5pt minus 3pt}
16785 \AtBeginDocument{\prepare@bidi@copyins}

```

99 File graphicx-xetex-bidi.def

```

16786 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
16787 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
16788   \Grot@setangle{#1}%
16789   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
16790   \Grot@x\z@
16791   \Grot@y\z@
16792   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
16793 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16794   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
16795   \Grot@x\width \divide\Grot@x\tw@
16796   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
16797   \setkeys{Grot}{#1}%
16798   \setbox\z@\box\@tempboxa
16799   \Grot@setangle{#2}%
16800   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
16801 \end@tempboxa}
16802 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16803   \leavevmode
16804   \def\Gscale@x{#1}\def\Gscale@y{#2}%
16805   \setbox\z@\hbox{#3}%
16806   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16807   \ifdim#2\p@<\z@
16808     \ht\tw@-#2\dp\z@
16809     \dp\tw@-#2\ht\z@
16810   \else
16811     \ht\tw@#2\ht\z@
16812     \dp\tw@#2\dp\z@
16813   \fi
16814   \ifdim#1\p@<\z@
16815     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16816   \else
16817     \wd\tw@#1\wd\z@
16818   \box\tw@
16819   \fi\ifmmode\else\if@RTL\endL\fi\fi}
16820 \def\Gin@iii[#1,#2][#3,#4]#5{%
16821   \begingroup
16822   \ifmmode\else\if@RTL\beginL\fi\fi
16823   \Gin@bboxtrue

```



```

16824 \Gin@defaultbp\Gin@llx{#1}%
16825 \Gin@defaultbp\Gin@lly{#2}%
16826 \Gin@defaultbp\Gin@urx{#3}%
16827 \Gin@defaultbp\Gin@ury{#4}%
16828 \Gininclude@graphics{#5}%
16829 \ifmmode\else\if@RTL\endL\fi\fi
16830 \endgroup}
16831 \def\Gin@ii[#1]#2{%
16832   \def\@tempa{[]}\def\@tempb{#2}%
16833   \ifx\@tempa\@tempb
16834     \def\@tempa{\Gin@iii[#1] []}%
16835     \expandafter\@tempa
16836   \else
16837     \begingroup
16838       \ifmmode\else\if@RTL\beginL\fi\fi
16839       \@tempswafalse
16840       \toks@{\Gininclude@graphics{#2}}%
16841       \setkeys{Gin}{#1}%
16842       \Gin@esetsize
16843       \the\toks@
16844       \ifmmode\else\if@RTL\endL\fi\fi
16845     \endgroup
16846     \fi}
16847 \def\reflectbox{\bidiGscale@box-1[1]}
16848 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16849   \leavevmode
16850   \def\Gscale@x{#1}\def\Gscale@y{#2}%
16851   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RT
16852   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16853   \ifdim#2\p@<\z@
16854     \ht\tw@-#2\dp\z@
16855     \dp\tw@-#2\ht\z@
16856   \else
16857     \ht\tw@#2\ht\z@
16858     \dp\tw@#2\dp\z@
16859   \fi
16860   \ifdim#1\p@<\z@
16861     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16862   \else
16863     \wd\tw@#1\wd\z@
16864     \box\tw@
16865   \fi\ifmmode\else\if@RTL\endL\fi\fi}
16866 \def\scalebox#1{%
16867   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}]
16868 \def\resizebox{%
16869   \leavevmode
16870   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
16871 \def\bidiGscale@@box#1#2#3{%
16872   \let\@tempa\Gin@exclamation
16873   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
16874   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
16875   \ifx\@tempb\@tempa
16876     \ifx\@tempc\@tempa
16877     \toks@{\mbox}%

```



```

16878 \else
16879 \toks@{\bidiGscale@box@dd{#3}#1}%
16880 \fi
16881 \else
16882 \ifx\@tempc\@tempa
16883 \toks@{\bidiGscale@box@dd{#2}\width}%
16884 \else
16885 \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
16886 \fi
16887 \fi
16888 \the\toks@}
16889 \long\def\bidiGscale@box@dd#1#2#3{%
16890 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\fi\end@tempboxa}
16891 \setlength\@tempdima{#1}%
16892 \setlength\@tempdimb{#2}%
16893 \Gscale@div\@tempa\@tempdima\@tempdimb
16894 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
16895 \@end@tempboxa}
16896 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
16897 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\fi\end@tempboxa}
16898 \setlength\@tempdima{#1}%
16899 \setlength\@tempdimb{#2}%
16900 \Gscale@div\@tempa\@tempdima\@tempdimb
16901 \setlength\@tempdima{#3}%
16902 \setlength\@tempdimb{#4}%
16903 \Gscale@div\@tempb\@tempdima\@tempdimb
16904 \if@in@iso
16905 \ifdim\@tempa\p>\@tempb\p
16906 \let\@tempa\@tempb
16907 \else
16908 \let\@tempb\@tempa
16909 \fi
16910 \fi
16911 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
16912 \@end@tempboxa}

```

100 File geometry-xetex-bidi.def

```

16913 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
16914 \renewcommand*\Gm@vrules@mpi{%
16915 \if@RTLmain%
16916 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
16917 \llap{\Gm@vrule}\ignorespaces
16918 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
16919 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
16920 \else%
16921 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
16922 \hskip \textwidth\Gm@vrule\hskip \marginparsep
16923 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
16924 \renewcommand*\Gm@vrules@mpii{%
16925 \if@RTLmain%
16926 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
16927 \hskip \textwidth\Gm@vrule\hskip \marginparsep
16928 \llap{\Gm@vrule}\hfil\Gm@vrule}%

```



```

16929 \else%
16930 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
16931 \llap{\Gm@vrule}\ignorespaces
16932 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
16933 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
16934 \bidi@patchcmd{\Gm@pageframes}{%
16935 \ifodd\count\z@
16936 \let\@themargin\oddsidemargin
16937 \else
16938 \let\@themargin\evensidemargin
16939 \fi
16940 }{%
16941 \ifodd\count\z@
16942 \if@RTLmain
16943 \let\@themargin\evensidemargin
16944 \else
16945 \let\@themargin\oddsidemargin
16946 \fi
16947 \else
16948 \if@RTLmain
16949 \let\@themargin\oddsidemargin
16950 \else
16951 \let\@themargin\evensidemargin
16952 \fi
16953 \fi
16954 }-{}-{}

```

101 File hvfloat-xetex-bidi.def

```

16955 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package
16956 \def\do@hvFloat[#1]#2#3{%
16957 \def\hv@shortCap{#1}
16958 \def\hv@longCap{#2}
16959 \def\hv@label{#3}
16960 %\newcommand*{\hvFloat}[5] [] {%
16961 % [#1]: keyvalues
16962 % #2: type figure | table | ...
16963 % #3: float contents
16964 % [#4]: short caption
16965 % #5: caption
16966 % #6: label
16967 % \setDefault%
16968 % \def\@tempa{#1}%
16969 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
16970 \def\@tempa{90}%
16971 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
16972 \else \setlength{\hvMaxCapWidth}{\linewidth}
16973 \fi
16974 %
16975 % First we save the object in \hvObjectBox
16976 %
16977 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
16978 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
16979 \else

```



```

16980 \savebox{\hvObjectBox}{%
16981 \rotatebox{\hvSet@objectAngle}{%
16982 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
16983 \fi
16984 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
16985 %
16986 % Now we save the caption with its defined \hvCapWidth
16987 %
16988 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
16989 \else
16990 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
16991 \else
16992 \setlength{\hvCapWidth}{\hvObjectWidth}
16993 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
16994 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
16995 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
16996 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
16997 \else
16998 \setlength{\hvCapWidth}{\hvMaxCapWidth}
16999 \fi
17000 \fi
17001 \fi
17002 %
17003 % now we have the object and the caption with the right
17004 % rotated angles saved in boxes
17005 %
17006 \def\fps@figure{\hvSet@floatPos}
17007 \ifhv@nonFloat\begin{group}% Start the nonfloat part
17008 \else \begin{\hv@floatType}% Start the floating environment
17009 \fi%
17010 \saveCaptionSkip% we put this space ourselve
17011 \ifx\hvSet@capAngle\hv@Width % need rotation?
17012 \sbox{\hvCaptionBox}{%
17013 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17014 \ifhv@nonFloat%
17015 \ifhv@onlyText#2%
17016 \else%
17017 \ifx\hv@floatType\hv@figure
17018 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
17019 \else
17020 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
17021 \fi
17022 \fi
17023 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
17024 \fi%
17025 \label{#3}%
17026 \end{minipage}%
17027 }%
17028 \else%
17029 \sbox{\hvCaptionBox}{%
17030 \rotatebox{\hvSet@capAngle}{%
17031 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17032 \ifhv@nonFloat%
17033 \ifhv@onlyText#2%

```



```

17034 \else%
17035 \ifx\hv@floatType\hv@figure
17036 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
17037 \else
17038 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
17039 \fi
17040 \fi
17041 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
17042 \fi%
17043 \label{#3}%
17044 \end{minipage}%
17045 }%
17046 }%
17047 \fi%
17048 %%
17049 \restoreCaptionSkip% save old values
17050 \ifx\hvSet@objectPos\hv@Right\@bidi@raggedleft%
17051 \else%
17052 \ifx\hvSet@objectPos\hv@Center
17053 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
17054 \fi%
17055 \fi%
17056 %
17057 % to rotate object and caption together, we save all in another box
17058 % the caption comes first, if its on the left or the top
17059 %
17060 \savebox{\@tempboxa}{%
17061 \ifx\hvSet@capPos\hv@Left % caption on left side
17062 \if@RTL%
17063 \ifx\hvSet@capVPos\hv@Center%
17064 \ifhv@fbox
17065 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17066 \else
17067 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17068 \fi%
17069 \hspace{\hvSet@floatCapSep pt}%
17070 \ifhv@fbox
17071 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17072 \else
17073 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17074 \fi%
17075 \else%
17076 \ifx\hvSet@capVPos\hv@Top
17077 \ifhv@fbox
17078 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17079 \else
17080 \raisebox{-\height}{\usebox{\hvObjectBox}}%
17081 \fi%
17082 \hspace{\hvSet@floatCapSep pt}%
17083 \ifhv@fbox
17084 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17085 \else
17086 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17087 \fi

```



```

17088     \else
17089         \ifhv@fbox
17090             \fbox{\usebox{\hvObjectBox}}%
17091         \else
17092             \usebox{\hvObjectBox}%
17093         \fi
17094         \hspace{\hvSet@floatCapSep pt}%
17095         \ifhv@fbox
17096             \fbox{\usebox{\hvCaptionBox}}%
17097         \else
17098             \usebox{\hvCaptionBox}%
17099         \fi%
17100     \fi%
17101 \fi%
17102 \else% not RTL
17103     \ifx\hvSet@capVPos\hv@Center%
17104         \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17105     \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17106     \fi%
17107     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17108     \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
17109     \else     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17110     \fi%
17111 \else%
17112     \ifx\hvSet@capVPos\hv@Top % caption at top
17113         \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17114     \else     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17115     \fi
17116     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17117     \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17118     \else     \raisebox{-\height}{\usebox{\hvObjectBox}}%
17119     \fi%
17120 \else% caption on bottom
17121     \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
17122         \else\usebox{\hvCaptionBox}
17123     \fi%
17124     \hspace{\hvSet@floatCapSep pt}%
17125     \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
17126     \else     \usebox{\hvObjectBox}
17127     \fi%
17128 \fi%
17129 \fi% end of RTL
17130 \fi%
17131 \else
17132     \ifx\hvSet@capPos\hv@Top
17133         \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17134             \begin{minipage}{\wd\hvCaptionBox}
17135         \else
17136             \begin{minipage}{\wd\hvObjectBox}
17137         \fi
17138         \centering
17139         \ifhv@fbox
17140             \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
17141             \fbox{\usebox{\hvObjectBox}}

```




```

17142 \else
17143 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
17144 \usebox{\hvObjectBox}
17145 \fi%
17146 \end{minipage}
17147 \else
17148 \ifx\hvSet@capPos\hv@Bottom
17149 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17150 \begin{minipage}{\wd\hvCaptionBox}
17151 \else
17152 \begin{minipage}{\wd\hvObjectBox}
17153 \fi
17154 \centering
17155 \ifhv@fbox
17156 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
17157 \fbox{\usebox{\hvCaptionBox}}
17158 \else
17159 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
17160 \usebox{\hvCaptionBox}
17161 \fi%
17162 \end{minipage}
17163 \else% the last option: put the caption on the right
17164 \if@RTL%
17165 \ifx\hvSet@capVPos\hv@Center%
17166 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17167 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17168 \fi%
17169 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17170 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17171 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17172 \fi%
17173 \else%
17174 \ifx\hvSet@capVPos\hv@Top % caption at top
17175 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17176 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17177 \fi
17178 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17179 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17180 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
17181 \fi%
17182 \else% caption on bottom
17183 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
17184 \else\usebox{\hvCaptionBox}
17185 \fi%
17186 \hspace{\hvSet@floatCapSep pt}%
17187 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
17188 \else \usebox{\hvObjectBox}
17189 \fi%
17190 \fi%
17191 \fi%
17192 \else% not RTL
17193 \ifx\hvSet@capVPos\hv@Center%
17194 \ifhv@fbox
17195 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}

```



```

17196     \else
17197     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17198     \fi%
17199     \hspace{\hvSet@floatCapSep pt}%
17200     \ifhv@fbox
17201     \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17202     \else
17203     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17204     \fi%
17205     \else%
17206     \ifx\hvSet@capVPos\hv@Top
17207     \ifhv@fbox
17208     \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17209     \else
17210     \raisebox{-\height}{\usebox{\hvObjectBox}}%
17211     \fi%
17212     \hspace{\hvSet@floatCapSep pt}%
17213     \ifhv@fbox
17214     \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17215     \else
17216     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17217     \fi
17218     \else
17219     \ifhv@fbox
17220     \fbox{\usebox{\hvObjectBox}}%
17221     \else
17222     \usebox{\hvObjectBox}%
17223     \fi
17224     \hspace{\hvSet@floatCapSep pt}%
17225     \ifhv@fbox
17226     \fbox{\usebox{\hvCaptionBox}}%
17227     \else
17228     \usebox{\hvCaptionBox}%
17229     \fi%
17230     \fi%
17231     \fi
17232 \fi% end of RTL
17233     \fi
17234     \fi
17235     \fi
17236 }% End savebox Object and caption
17237 %
17238 % now we rotate the object and caption, if needed
17239 %
17240 \ifx\hvSet@rotAngle\hv@Zero
17241 \usebox{\@tempboxa}
17242 \else
17243 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
17244 \fi
17245 \ifhv@nonFloat
17246 \ifx\hvSet@objectPos\hv@Center
17247 \ifhv@nonFloat
17248 \hspace{\fill}
17249 \fi

```



```

17250 \fi
17251 \endgroup% End the nonfloat part
17252 \else
17253 \end{\hv@floatType}% End the floating environment
17254 \fi
17255 }

```

102 File hyperref-xetex-bidi.def

```

17256 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
17257 \AtBeginDocument{%
17258 \def\contentsline#1#2#3#4{%
17259 \ifx\#4\%
17260 \csname l@#1\endcsname{#2}{#3}%
17261 \else
17262 \ifcase\Hy@linktoc % none
17263 \csname l@#1\endcsname{#2}{#3}%
17264 \or % section
17265 \csname l@#1\endcsname{%
17266 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17267 }{#3}%
17268 \or % page
17269 \csname l@#1\endcsname{{#2}}{%
17270 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17271 }%
17272 \else % all
17273 \csname l@#1\endcsname{%
17274 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17275 }{%
17276 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17277 }%
17278 \fi
17279 \fi
17280 }
17281 \ifHy@hyperfootnotes
17282 \let\H@@footnotetext\@footnotetext
17283 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
17284 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
17285 \def\@xfootnotenext[#1]{%
17286 \begingroup
17287 \csname c@\@mpfn\endcsname #1\relax
17288 \unrestored@protected@xdef\@thefnmark{\thempfn}%
17289 \endgroup
17290 \ifx\@footnotetext\@mpfootnotetext
17291 \expandafter\H@@mpfootnotetext
17292 \else
17293 \expandafter\H@@footnotetext
17294 \fi
17295 }%
17296 \def\@xRTLfootnotenext[#1]{%
17297 \begingroup
17298 \csname c@\@mpfn\endcsname #1\relax
17299 \unrestored@protected@xdef\@thefnmark{\thempfn}%
17300 \endgroup

```



```

17301 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
17302 \expandafter\HRTL@\mpRTLfootnotetext
17303 \else
17304 \expandafter\HRTL@\RTLfootnotetext
17305 \fi
17306 }%
17307 \def\@xLTRfootnotenext[#1]{%
17308 \begingroup
17309 \csname c@\@mpfn\endcsname #1\relax
17310 \unrestored@protected@xdef\@thefnmark{\thempfn}%
17311 \endgroup
17312 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
17313 \expandafter\HLTR@\mpLTRfootnotetext
17314 \else
17315 \expandafter\HLTR@\LTRfootnotetext
17316 \fi
17317 }%
17318 \def\@xfootnotemark[#1]{%
17319 \begingroup
17320 \c@footnote #1\relax
17321 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
17322 \endgroup
17323 \H@@footnotemark
17324 }%
17325 \let\H@\mpfootnotetext\@mpfootnotetext
17326 \let\HRTL@\mpRTLfootnotetext\@mpRTLfootnotetext
17327 \let\HLTR@\mpLTRfootnotetext\@mpLTRfootnotetext
17328 \long\def\@mpfootnotetext#1{%
17329 \H@\mpfootnotetext{%
17330 \ifHy@nesting
17331 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17332 \else
17333 \Hy@raisedlink{%
17334 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17335 }#1%
17336 \fi
17337 }%
17338 }%
17339 \long\def\@mpRTLfootnotetext#1{%
17340 \HRTL@\mpRTLfootnotetext{%
17341 \ifHy@nesting
17342 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17343 \else
17344 \Hy@raisedlink{%
17345 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17346 }#1%
17347 \fi
17348 }%
17349 }%
17350 \long\def\@mpLTRfootnotetext#1{%
17351 \HLTR@\mpLTRfootnotetext{%
17352 \ifHy@nesting
17353 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17354 \else

```



```

17355     \Hy@raisedlink{%
17356         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17357     }#1%
17358     \fi
17359 }%
17360 }%
17361 \long\def\@footnotetext#1{%
17362 \H@@footnotetext{%
17363     \ifHy@nesting
17364         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17365     \else
17366         \Hy@raisedlink{%
17367             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17368         }%
17369         \let\@currentHlabel\Hy@footnote@currentHlabel
17370         \let\@currentHref\Hy@footnote@currentHref
17371         \let\@currentlabelname\@empty
17372         #1%
17373     \fi
17374 }%
17375 }%
17376 \long\def\@RTLfootnotetext#1{%
17377 \HRTL@@RTLfootnotetext{%
17378     \ifHy@nesting
17379         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17380     \else
17381         \Hy@raisedlink{%
17382             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17383         }%
17384         \let\@currentHlabel\Hy@footnote@currentHlabel
17385         \let\@currentHref\Hy@footnote@currentHref
17386         \let\@currentlabelname\@empty
17387         #1%
17388     \fi
17389 }%
17390 }%
17391 \long\def\@LTRfootnotetext#1{%
17392 \HLTR@@LTRfootnotetext{%
17393     \ifHy@nesting
17394         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17395     \else
17396         \Hy@raisedlink{%
17397             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17398         }%
17399         \let\@currentHlabel\Hy@footnote@currentHlabel
17400         \let\@currentHref\Hy@footnote@currentHref
17401         \let\@currentlabelname\@empty
17402         #1%
17403     \fi
17404 }%
17405 }%
17406 \@ifpackageloaded{tabularx}{-%
17407     \let\HyOrg@TX@endtabularx\TX@endtabularx
17408     \def\Hy@tabularx@hook{%

```



```

17409 \let\@footnotetext\H@@footnotetext
17410 \let\LTRfootnotetext\HLTR@LTRfootnotetext
17411 \let\RTLfootnotetext\HRTL@RTLfootnotetext
17412 \let\@footnotemark\H@@footnotemark
17413 \let\@mpfootnotetext\H@@mpfootnotetext
17414 \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
17415 \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
17416 }%
17417 \begingroup
17418 \toks@ \expandafter{\TX@endtabularx}%
17419 \xdef\Hy@gtemp{%
17420 \noexpand\Hy@tabularx@hook
17421 \the\toks@
17422 }%
17423 \endgroup
17424 \let\TX@endtabularx\Hy@gtemp
17425 }-{}%
17426 \@ifpackageloaded{longtable}{%
17427 \CheckCommand*{\LT@p@LTRftntext}[1]{%
17428 \edef\@tempa{%
17429 \the\LT@p@ftn
17430 \noexpand\LTRfootnotetext[\the\c@footnote]%
17431 }%
17432 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17433 }%
17434 \long\def\LT@p@LTRftntext#1{%
17435 \edef\@tempa{%
17436 \the\LT@p@ftn
17437 \begingroup
17438 \noexpand\c@footnote=\the\c@footnote\relax
17439 \noexpand\protected@xdef\noexpand\@thefnmark{%
17440 \noexpand\thempfn
17441 }%
17442 \noexpand\Hy@LT@LTRfootnotetext{%
17443 \Hy@footnote@currentHref
17444 }%
17445 }%
17446 \global\LT@p@ftn\expandafter{%
17447 \@tempa{#1}%
17448 \endgroup
17449 }%
17450 }%
17451 \long\def\Hy@LT@LTRfootnotetext#1#2{%
17452 \HLTR@LTRfootnotetext{%
17453 \ifHy@nesting
17454 \hyper@@anchor{#1}{#2}%
17455 \else
17456 \Hy@raisedlink{%
17457 \hyper@@anchor{#1}{\relax}%
17458 }%
17459 \def\@currentHref{#1}%
17460 \let\@currentlabelname\@empty
17461 #2%
17462 \fi

```



```

17463     }%
17464 }%
17465 \CheckCommand*{\LT@p@RTLftntext}[1]{%
17466   \edef\@tempa{%
17467     \the\LT@p@ftn
17468     \noexpand\RTLfootnotetext[\the\c@footnote]%
17469   }%
17470   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17471 }%
17472 \long\def\LT@p@RTLftntext#1{%
17473   \edef\@tempa{%
17474     \the\LT@p@ftn
17475     \begingroup
17476     \noexpand\c@footnote=\the\c@footnote\relax
17477     \noexpand\protected@xdef\noexpand\@thefnmark{%
17478       \noexpand\thempfn
17479     }%
17480     \noexpand\Hy@LT@RTLfootnotetext{%
17481       \Hy@footnote@currentHref
17482     }%
17483   }%
17484   \global\LT@p@ftn\expandafter{%
17485     \@tempa{#1}%
17486   \endgroup
17487 }%
17488 }%
17489 \long\def\Hy@LT@RTLfootnotetext#1#2{%
17490   \HRTL@RTLfootnotetext{%
17491     \ifHy@nesting
17492       \hyper@@anchor{#1}{#2}%
17493     \else
17494       \Hy@raisedlink{%
17495         \hyper@@anchor{#1}{\relax}%
17496       }%
17497       \def\@currentHref{#1}%
17498       \let\@currentlabelname\@empty
17499       #2%
17500     \fi
17501   }%
17502 }%
17503 }-{}%
17504 \@ifpackageloaded{bidipoem}{%
17505   \long\def\bidipoem@p@ftntext#1{%
17506     \edef\@tempx{%
17507       \the\bidipoem@p@ftn
17508     \begingroup
17509     \noexpand\c@footnote=\the\c@footnote\relax
17510     \noexpand\protected@xdef\noexpand\@thefnmark{%
17511       \noexpand\thempfn
17512     }%
17513     \noexpand\Hy@bidipoem@footnotetext{%
17514       \Hy@footnote@currentHref
17515     }%
17516   }%

```



```

17517     \global\bidipoem@p@ftn\expandafter{%
17518         \@tempx{#1}%
17519     \endgroup
17520 }%
17521 }%
17522 \long\def\Hy@bidipoem@footnotetext#1#2{%
17523     \H@@footnotetext{%
17524         \ifHy@nesting
17525             \hyper@@anchor{#1}{#2}%
17526         \else
17527             \Hy@raisedlink{%
17528                 \hyper@@anchor{#1}{\relax}%
17529             }%
17530             \def\@currentHref{#1}%
17531             \let\@currentlabelname\@empty
17532             #2%
17533         \fi
17534     }%
17535 }%
17536     \long\def\bidipoem@p@LTRftntext#1{%
17537     \edef\@tempxi{%
17538         \the\bidipoem@p@ftn
17539     \begingroup
17540         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17541         \noexpand\protected@xdef\noexpand\@thefnmark{%
17542             \noexpand\thempfn
17543         }%
17544         \noexpand\Hy@bidipoem@LTRfootnotetext{%
17545             \Hy@footnote@currentHref
17546         }%
17547     }%
17548     \global\bidipoem@p@ftn\expandafter{%
17549         \@tempxi{#1}%
17550     \endgroup
17551 }%
17552 }%
17553 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
17554     \HLTR@@LTRfootnotetext{%
17555         \ifHy@nesting
17556             \hyper@@anchor{#1}{#2}%
17557         \else
17558             \Hy@raisedlink{%
17559                 \hyper@@anchor{#1}{\relax}%
17560             }%
17561             \def\@currentHref{#1}%
17562             \let\@currentlabelname\@empty
17563             #2%
17564         \fi
17565     }%
17566 }%
17567     \long\def\bidipoem@p@RTLftntext#1{%
17568     \edef\@tempxii{%
17569         \the\bidipoem@p@ftn
17570     \begingroup

```




```

17571         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17572         \noexpand\protected@xdef\noexpand\@thefnmark{%
17573             \noexpand\thempfn
17574         }%
17575         \noexpand\Hy@bidipoem@RTLfootnotetext{%
17576             \Hy@footnote@currentHref
17577         }%
17578     }%
17579     \global\bidipoem@p@ftn\expandafter{%
17580         \@tempxi{#1}%
17581     \endgroup
17582 }%
17583 }%
17584 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
17585     \HRTL@RTLfootnotetext{%
17586         \ifHy@nesting
17587             \hyper@@anchor{#1}{#2}%
17588         \else
17589             \Hy@raisedlink{%
17590                 \hyper@@anchor{#1}{\relax}%
17591             }%
17592             \def\@currentHref{#1}%
17593             \let\@currentlabelname\@empty
17594             #2%
17595         \fi
17596     }%
17597 }%
17598 }-{}%
17599 \let\HyOrg@maketitle\maketitle
17600 \def\maketitle{%
17601     \let\Hy@saved@footnotemark\@footnotemark
17602     \let\Hy@saved@footnotetext\@footnotetext
17603     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
17604     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
17605     \let\@footnotemark\H@@footnotemark
17606     \let\@footnotetext\H@@footnotetext
17607     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
17608     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
17609     \@ifnextchar[\Hy@maketitle@optarg{% ]
17610         \HyOrg@maketitle
17611         \Hy@maketitle@end
17612     }%
17613 }%
17614 \def\Hy@maketitle@optarg[#1]{%
17615     \HyOrg@maketitle[#{1}]%
17616     \Hy@maketitle@end
17617 }%
17618 \def\Hy@maketitle@end{%
17619     \ifx\@footnotemark\H@@footnotemark
17620         \let\@footnotemark\Hy@saved@footnotemark
17621     \fi
17622     \ifx\@footnotetext\H@@footnotetext
17623         \let\@footnotetext\Hy@saved@footnotetext
17624     \fi

```



```

17625 \ifx\@RTLfootnotetext\HRTL@\@RTLfootnotetext
17626 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
17627 \fi
17628 \ifx\@LTRfootnotetext\HLTR@\@LTRfootnotetext
17629 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
17630 \fi
17631 }%
17632 \def\realfootnote{%
17633 \@ifnextchar[\@xfootnote{%
17634 \stepcounter{\@mpfn}%
17635 \protected@xdef\@thefnmark{\thempfn}%
17636 \H@\@footnotemark\H@\@footnotetext
17637 }%
17638 }%
17639 \fi
17640 \def\Hy@BeginAnnot#1{%
17641 \ifmode\else\beginL\fi%
17642 \global\advance\c@Hy@AnnotLevel\@ne
17643 \ifnum\c@Hy@AnnotLevel=\@ne
17644 #1%
17645 \fi
17646 }
17647 \def\Hy@endAnnot{%
17648 \ifnum\c@Hy@AnnotLevel=\@ne
17649 \Hy@endcolorlink
17650 \@pdfm@mark{eann}%
17651 \fi
17652 \global\advance\c@Hy@AnnotLevel\m@ne
17653 \ifmode\else\endL\fi%
17654 }
17655 \def\hyper@link#1#2#3{%
17656 \hyper@linkstart{#1}{#2}\ifmode\else\if@RTL\beginR\fi\fi#3\ifmode\else\if@RTL\endR\fi\fi%
17657 }
17658 \def\hyper@linkfile#1#2#3{%
17659 \leavevmode
17660 \Hy@BeginAnnot{%
17661 \def\Hy@pstringF{#2}%
17662 \Hy@CleanupFile\Hy@pstringF
17663 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
17664 \Hy@pstringdef\Hy@pstringD{#3}%
17665 \Hy@MakeRemoteAction
17666 \@pdfm@mark{%
17667 bann<<%
17668 /Type/Annot%
17669 /Subtype/Link%
17670 \ifHy@pdfa /F 4\fi
17671 \Hy@setpdfborder
17672 \ifx\@filebordercolor\relax
17673 \else
17674 /C[\@filebordercolor]%
17675 \fi
17676 /A<<%
17677 /S/GoToR%
17678 /F(\Hy@pstringF)%

```



```

17679         /D%
17680         \ifx\#3\%
17681             [\Hy@href@page\@pdfremotestartview]%
17682         \else
17683             (\Hy@pstringD)%
17684         \fi
17685         \Hy@SetNewWindow
17686         \Hy@href@nextactionraw
17687     >>%
17688 >>%
17689 }%
17690 \Hy@colorlink\@filecolor
17691 }%
17692 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17693 \Hy@endAnnot
17694 }
17695 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
17696 \leavevmode
17697 \Hy@BeginAnnot{%
17698     \Hy@pstringdef\Hy@pstringF{#1}%
17699     \Hy@pstringdef\Hy@pstringP{#3}%
17700     \@pdfm@mark{%
17701         bann<<%
17702         /Type/Annot%
17703         /Subtype/Link%
17704         \ifHy@pdfa /F 4\fi
17705         \Hy@setpdfborder
17706         \ifx\@runbordercolor\relax
17707         \else
17708             /C[\@runbordercolor]%
17709         \fi
17710         /A<<%
17711         /F(\Hy@pstringF)%
17712         /S/Launch%
17713         \Hy@SetNewWindow
17714         \ifx\#3\%
17715         \else
17716             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
17717         \fi
17718         \Hy@href@nextactionraw
17719     >>%
17720 >>%
17721 }%
17722 \Hy@colorlink\@runcolor
17723 }%
17724 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17725 \Hy@endAnnot
17726 }
17727 \def\hyper@linkurl#1#2{%
17728 \leavevmode
17729 \Hy@BeginAnnot{%
17730     \Hy@pstringdef\Hy@pstringURI{#2}%
17731     \@pdfm@mark{%
17732         bann<<%

```



```

17733     /Type/Annot%
17734     /Subtype/Link%
17735     \ifHy@pdfa /F 4\fi
17736     \Hy@setpdfborder
17737     \ifx\@urlbordercolor\relax
17738     \else
17739         /C[\@urlbordercolor]%
17740     \fi
17741     /A<<%
17742     /S/URI%
17743     /URI(\Hy@pstringURI)%
17744     \ifHy@href@ismap
17745         /IsMap true%
17746     \fi
17747     \Hy@href@nextactionraw
17748     >>%
17749     >>%
17750     }%
17751     \Hy@colorlink\@urlcolor
17752     }%
17753     \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17754     \Hy@EndAnnot
17755 }
17756 \def\Acrobatmenu#1#2{%
17757     \Hy@Acrobatmenu{#1}{#2}{%
17758         \Hy@BeginAnnot{%
17759             \EdefEscapeName\Hy@temp@menu{#1}%
17760             \@pdfm@mark{%
17761                 bann<<%
17762                 /Type/Annot%
17763                 /Subtype/Link%
17764                 \ifHy@pdfa /F 4\fi
17765                 \Hy@setpdfborder
17766                 \ifx\@menubordercolor\relax
17767                 \else
17768                     /C[\@menubordercolor]%
17769                 \fi
17770                 /A<<%
17771                 /S/Named%
17772                 /N/\Hy@temp@menu
17773                 \Hy@href@nextactionraw
17774                 >>%
17775                 >>%
17776                 }%
17777                 \Hy@colorlink\@menucolor
17778             }%
17779             \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17780             \Hy@EndAnnot
17781         }%
17782     }
17783 \def\hyper@natlinkstart#1{%
17784     \Hy@backout{#1}%
17785     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
17786     \def\hyper@nat@current{#1}%

```



```

17787 }
17788 \def\hyper@natlinkend{%
17789 \if@RTL\endR\fi\hyper@linkend
17790 }
17791 \def\hyper@natlinkbreak#1#2{%
17792 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
17793 }%
17794 }
17795 \pdfstringdefDisableCommands{%
17796 \let\LRE\@firstofone
17797 \let\LR\@firstofone
17798 \let\RLE\@firstofone
17799 \let\RL\@firstofone
17800 \def\XeTeX{Xe\TeX}%
17801 \def\XeLaTeX{Xe\LaTeX}%
17802 }
17803 \@ifpackageloaded{longtable}{%
17804 \begingroup
17805 \def\y{\LT@array}%
17806 \@ifundefined{scr@LT@array}{%
17807 \ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
17808 }\def\y{\scr@LT@array}}%
17809 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
17810 \expandafter\endgroup
17811 \expandafter\def\y[##1]##2{%
17812 \H@refstepcounter{#1}%
17813 \hyper@makecurrent{table}%
17814 \let\Hy@LT@currentHref\@currentHref
17815 #2\@sharp####4%
17816 }%
17817 }%
17818 \expandafter\expandafter\expandafter\x\y[##1]##2\@nil
17819 \begingroup
17820 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
17821 \endgroup
17822 \def\LT@start{%
17823 #1%
17824 \ifvoid\LT@foot#2\fi
17825 \let\@currentHref\Hy@LT@currentHref
17826 \Hy@raisedlink{%
17827 \hyper@anchorstart{\@currentHref}\hyper@anchorend
17828 }%
17829 #3%
17830 }%
17831 }%
17832 \expandafter\x\LT@start\@nil
17833 }{}
17834 \bidi@patchcmd\@TextField{%
17835 \@pdfm@mark
17836 }{%
17837 \if@RTL
17838 \hskip\Fld@width
17839 \fi
17840 \@pdfm@mark

```



```

17841 }-{}
17842 \bidi@patchcmd\@TextField{%
17843   \unhbox
17844 }-{}
17845   \if@RTL
17846     \hskip-\Fld@width
17847   \fi
17848   \unhbox
17849 }-{}
17850 \bidi@patchcmd\@@Radio{%
17851   \@pdfm@mark
17852 }-{}
17853   \if@RTL
17854     \hskip\Fld@width
17855   \fi
17856   \@pdfm@mark
17857 }-{}
17858 \bidi@patchcmd\@@Radio{%
17859   \unhcopy
17860 }-{}
17861   \if@RTL
17862     \hskip-\Fld@width
17863   \fi
17864   \unhcopy
17865 }-{}
17866 \bidi@patchcmd\@Submit{%
17867   \@pdfm@mark
17868 }-{}
17869   \if@RTL
17870     \null
17871     \hskip\wd\pdfm@box
17872   \fi
17873   \@pdfm@mark
17874 }-{}
17875 \bidi@patchcmd\@Submit{%
17876   \unhbox
17877 }-{}
17878   \if@RTL
17879     \hskip-\wd\pdfm@box
17880   \fi
17881   \unhbox
17882 }-{}
17883 \bidi@patchcmd\@Reset{%
17884   \@pdfm@mark
17885 }-{}
17886   \if@RTL
17887     \null
17888     \hskip\wd\pdfm@box
17889   \fi
17890   \@pdfm@mark
17891 }-{}
17892 \bidi@patchcmd\@Reset{%
17893   \unhbox
17894 }-{}

```



```

17895 \if@RTL
17896 \hskip-\wd\pdfm@box
17897 \fi
17898 \unhbox
17899 }{}{}

```

103 File imspoc-xetex-bidi.def

```

17900 \ProvidesFile{imspoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspoc class fo
17901 \newenvironment{thebibliography}[1]{%
17902 \@bibtitlestyle
17903 \normalfont\bibliofont\labelsep .5em\relax
17904 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
17905 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17906 \bidi@thebibliography@font@hook
17907 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
17908 \leftmargin\labelwidth \advance\leftmargin\labelsep
17909 \usecounter{enumiv}}%
17910 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
17911 \sfcode\.\=@m
17912 }{%
17913 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
17914 \endlist
17915 }
17916
17917 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
17918 \columnseprule\z@ \columnsep 35\p@
17919 \@indextitlestyle
17920 \thispagestyle{plain}%
17921 \let\item\@idxitem
17922 \parindent\z@ \parskip\z@\@plus.3\p@\relax
17923 \if@RTL\raggedleft\else\raggedright\fi
17924 \hyphenpenalty\@M
17925 \footnotesize}
17926 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
17927 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
17928 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
17929
17930 \def\right@footnoterule{%
17931 \kern-.4\p@
17932 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
17933 \kern11\p@\kern-\footnotesep}
17934 \def\left@footnoterule{\kern-.4\p@
17935 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
17936 \def\@makefnmark{%
17937 \leavevmode
17938 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
17939 }
17940
17941 \def\part{\@startsection{part}{0}%
17942 \z@\linespacing\@plus\linespacing}{.5\linespacing}%
17943 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
17944 \def\@tocline#1#2#3#4#5#6#7{\relax
17945 \ifnum #1>\c@tocdepth % then omit

```



```

17946 \else
17947 \par \addpenalty\@secpenalty\advvspace{#2}%
17948 \begingroup \hyphenpenalty\@M
17949 \@ifempty{#4}{%
17950 \@tempdima\csname r@tocindent\number#1\endcsname\relax
17951 }{%
17952 \@tempdima#4\relax
17953 }%
17954 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else
17955 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
17956 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
17957 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
17958 \nobreak
17959 \endgroup
17960 \fi}
17961 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
17962 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
17963 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
17964 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
17965 \def\maketitle{\par
17966 \@topnum\z@ % this prevents figures from falling at the top of page 1
17967 \@setcopyright
17968 \thispagestyle{firstpage}% this sets first page specifications
17969 \uppercase\nonmath\shorttitle
17970 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
17971 \else \andify\shortauthors
17972 \fi
17973 \@maketitle@hook
17974 \begingroup
17975 \@maketitle
17976 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
17977 \toks4{\def\{\ignorespaces}}% defend against questionable usage
17978 \edef\@tempa{%
17979 \@nx\markboth{\the\toks4
17980 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
17981 \@tempa
17982 \endgroup
17983 \c@footnote\z@
17984 \cleartopmattertags
17985 }

```

104 File leqno-xetex-bidi.def

```

17986 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
17987 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
17988 \rlap{\hskip -\displaywidth
17989 {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR}}

```

105 File letter-xetex-bidi.def

```

17990 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
17991 \renewcommand*\@opening[1]{\ifx\@empty\fromaddress
17992 \thispagestyle{firstpage}%
17993 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}}%

```




```

17994 \else % home address
17995 \thispagestyle{empty}%
17996 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}
17997 \fromaddress \*[2\parskip]%
17998 \@date \end{tabular}\par}%
17999 \fi
18000 \vspace{2\parskip}%
18001 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
18002 \vspace{2\parskip}%
18003 #1\par\nobreak}
18004 \renewcommand\left@footnoterule{%
18005 \kern-\p@
18006 \hrule \@width .4\columnwidth
18007 \kern .6\p@}
18008 \renewcommand\right@footnoterule{%
18009 \kern-\p@
18010 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18011 \kern .6\p@}

```

106 File lettrine-xetex-bidi.def

```

18012 \ProvidesFile{lettrine-xetex-bidi.def}[2024/12/08 v0.9 bidi adaptations for lettrine packag
18013 \RemoveFromHook{begindocument}[lettrine]
18014 \AtBeginDocument[lettrine]{%
18015 \if\DefaultOptionsFile\relax
18016 \else
18017 \InputIfFileExists{\DefaultOptionsFile}%
18018 {}%
18019 {\PackageWarning{lettrine.sty}%
18020 {File \DefaultOptionsFile\space not found}%
18021 }%
18022 \fi
18023 \let\ifL@RTL\if@RTL
18024 }

```

107 File lineno-xetex-bidi.def

```

18025 \ProvidesFile{lineno-xetex-bidi.def}[2024/12/07 v0.3 bidi adaptations for lineno package fo
18026 \bidi@patchcmd{\MakeLineNo}{%
18027 \hb@xt@\z@{\makeLineNumber}%
18028 }{%
18029 \hboxL to \z@{\makeLineNumber}%
18030 }-{}
18031
18032 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
18033 \if@RTL
18034 \hb@xt@\linenumberwidth{\LineNumber\hss}%
18035 \else
18036 \LineNumber
18037 \fi
18038 }-{}-{}
18039
18040 \bidi@patchcmd{\makeLineNumberRight}{%
18041 \hb@xt@\linenumberwidth{\hss\LineNumber}%

```



```

18042 }{%
18043   \if@RTL
18044     \LineNumber
18045   \else
18046     \hb@xt@\linewidth{\hss\LineNumber}%
18047   \fi
18048 }-{}
18049
18050 \bidi@AfterPreamble{%
18051   \if@RTLmain
18052     \rightlinenumbers*
18053   \else
18054     \leftlinenumbers*
18055   \fi
18056   \@ifpackagewith{lineno}{left}{%
18057     \leftlinenumbers*
18058   }-{}
18059   \@ifpackagewith{lineno}{right}{%
18060     \rightlinenumbers*
18061   }-{}
18062   \@ifpackagewith{lineno}{switch}{%
18063     \if@RTLmain
18064       \switchlinenumbers*%
18065     \else
18066       \switchlinenumbers
18067     \fi
18068   }-{}
18069   \@ifpackagewith{lineno}{switch*}{%
18070     \if@RTLmain
18071       \switchlinenumbers
18072     \else
18073       \switchlinenumbers*%
18074     \fi
18075   }-{}
18076 }
18077

```

108 File listings-xetex-bidi.def

```

18078 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
18079 \lst@Key{captiondirection}{textdirection}{%
18080   \lstKV@SwitchCases{#1}%
18081   {textdirection:\\%
18082     RTL:\chardef\bidi@lst@caption@direction@ne\\%
18083     LTR:\chardef\bidi@lst@caption@direction@z@%
18084   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18085
18086 \lst@Key{captionscript}{textscript}{%
18087   \lstKV@SwitchCases{#1}%
18088   {textscript:\\%
18089     latin:\chardef\bidi@lst@caption@script@ne\\%
18090     nonlatin:\chardef\bidi@lst@caption@script@z@%
18091   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18092

```



```

18093 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
18094   \@ifundefined{bidi@lst@caption@direction}{}{%
18095     \ifnum\bidi@lst@caption@direction=\z@%
18096       #1%
18097     \else%
18098       \ifnum\bidi@lst@caption@direction=\@ne%
18099         #2%
18100       \fi%
18101     \fi%
18102 }}
18103
18104 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
18105   \@ifundefined{bidi@lst@caption@script}{}{%
18106     \ifnum\bidi@lst@caption@script=\z@%
18107       #1%
18108     \else%
18109       \ifnum\bidi@lst@caption@script=\@ne%
18110         #2%
18111       \fi%
18112     \fi%
18113 }}
18114
18115 \long\def\@bidi@lst@makecaption#1#2{%
18116   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18117   \vskip\abovecaptionskip
18118   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18119   \sbox\@tempboxa{%
18120     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
18121     #1: #2%
18122     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
18123   }%
18124   \ifdim \wd\@tempboxa >\hsize
18125     #1: #2\par
18126   \else
18127     \global \@minipagefalse
18128     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
18129   \fi
18130   \vskip\belowcaptionskip}%
18131 \def\lst@makecaption{\@bidi@lst@makecaption}
18132 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
18133 \bidi@AtEndPreamble{%
18134 \bidi@patchcmd{\lst@MakeCaption}{%
18135   \ifx #1t%
18136     \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
18137       \expandafter\refstepcounter
18138     \fi {lstlisting}}%
18139 }{%
18140   \ifx #1t%
18141     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18142     \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
18143       \expandafter\refstepcounter
18144     \fi {lstlisting}}%
18145     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
18146 }-{}-%

```



```

18147 \bidi@patchcmd{\lst@MakeCaption}{%
18148     \addcontentsline{lol}{\lstlisting}%
18149     {\protect\numberline{\thelstlisting}\lst@caption}%
18150 }{%
18151 \begingroup%
18152     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18153     \addcontentsline{lol}{\lstlisting}%
18154     {\protect\numberline{\thelstlisting}\lst@caption}%
18155 \endgroup%
18156 }-{}-%
18157 }
18158 \@ifpackageloaded{caption}{%
18159     \AtBeginCaption{%
18160         \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18161         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18162     }
18163     \let\bidi@lst@makecaption\caption@makecaption%
18164     \def\lst@makecaption{\caption@starfalse\bidi@lst@makecaption}%
18165     \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}%
18166 }-{}-%
18167 \AtBeginDocument{%
18168     \@ifundefined{captionlabelfalse}{-}{%
18169         \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\@empty}}%
18170     \@ifundefined{captionstartrue}{-}{%
18171         \def\lst@maketitle{\captionstartrue\bidi@lst@makecaption\@empty}}%
18172 }-%
18173 }
18174 \AtBeginDocument{
18175     \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{-}
18176     \lst@ifnumberbychapter
18177         \gdef\thelstlisting%
18178             {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
18179     \else
18180         \gdef\thelstlisting{\@arabic\c@lstlisting}
18181     \fi}

```

109 File loadingorder-xetex-bidi.def

```

18182 \ProvidesFile{loadingorder-xetex-bidi.def}[2024/12/08 v0.99 making sure that bidi is the la
18183 \bidi@isloaded{amsmath}
18184 \bidi@isloaded{amstext}
18185 \bidi@isloaded{amsthm}
18186 \bidi@isloaded{animate}
18187 \bidi@isloaded{breqn}
18188 \bidi@isloaded{cals}
18189 \bidi@isloaded{caption}
18190 \bidi@isloaded{crop}
18191 \bidi@isloaded{cuted}
18192 \bidi@isloaded{cutwin}
18193 \bidi@isloaded{color}
18194 \bidi@isloaded{dblfnote}
18195 \bidi@isloaded{diagbox}
18196 \bidi@isloaded{xcolor}
18197 \bidi@isloaded{colortbl}

```



```

18198 \bidi@isloaded{float}
18199 \bidi@isloaded{floatrow}
18200 \bidi@isloaded{flowfram}
18201 \bidi@isloaded{framed}
18202 \bidi@isloaded{ftnright}
18203 \bidi@isloaded{xltextra}
18204 \bidi@isloaded{xunicode}
18205 \bidi@isloaded{wrapfig}
18206 \bidi@isloaded{graphicx}
18207 \bidi@isloaded{geometry}
18208 \bidi@isloaded{hvfloat}
18209 \bidi@isloaded{mdframed}
18210 \bidi@isloaded{midfloat}
18211 \bidi@isloaded{ntheorem}
18212 \bidi@isloaded{ntheorem-hyper}
18213 \bidi@isloaded{hyperref}
18214 \bidi@isloaded{fancybox}
18215 \bidi@isloaded{fancyhdr}
18216 \bidi@isloaded{fix2col}
18217 \bidi@isloaded{draftwatermark}
18218 \bidi@isloaded{empheq}
18219 \bidi@isloaded{overpic}
18220 \bidi@isloaded{pdfpages}
18221 \bidi@isloaded{listings}
18222 \bidi@isloaded{lettrine}
18223 \bidi@isloaded{lineno}
18224 \bidi@isloaded{media9}
18225 \bidi@isloaded{pstricks}
18226 \bidi@isloaded{pgf}
18227 \bidi@isloaded{picinpar}
18228 \bidi@isloaded{quotchap}
18229 \bidi@isloaded{tikz}
18230 \bidi@isloaded{titlesec}
18231 \bidi@isloaded{titletoc}
18232 \bidi@isloaded{array}
18233 \bidi@isloaded{soul}
18234 \bidi@isloaded{stabular}
18235 \bidi@isloaded{subfig}
18236 \bidi@isloaded{subfigure}
18237 \bidi@isloaded{supertabular}
18238 \bidi@isloaded{xtab}
18239 \bidi@isloaded{longtable}
18240 \bidi@isloaded{arydshln}
18241 \bidi@isloaded{multicol}
18242 \bidi@isloaded{multienum}
18243 \bidi@isloaded{minitoc}
18244 \bidi@isloaded{natbib}
18245 \bidi@isloaded{newfloat}
18246 \bidi@isloaded{ragged2e}
18247 \bidi@isloaded{rotating}
18248 \bidi@isloaded{tabls}
18249 \bidi@isloaded{tabulary}
18250 \bidi@isloaded{tocbasic}
18251 \bidi@isloaded{tocstyle}

```



```

18252 \bidi@isloaded{tocbibind}
18253 \bidi@isloaded{fontspec}
18254 \bidi@isloaded{arabxetex}
18255 \bidi@isloaded{polyglossia}
18256 \bidi@isloaded{fancyvrb}
18257 \AtBeginDocument{
18258   \if@bidi@amsmathloaded@else
18259     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi pack
18260   \fi%
18261   \if@bidi@amstextloaded@else
18262     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi pack
18263   \fi%
18264   \if@bidi@amsthmloaded@else
18265     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi pack
18266   \fi%
18267   \if@bidi@animateloaded@else
18268     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi pack
18269   \fi%
18270   \if@bidi@breqnloaded@else
18271     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packa
18272   \fi%
18273   \if@bidi@calsloaded@else
18274     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi packag
18275   \fi%
18276   \if@bidi@captionloaded@else
18277     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi pac
18278   \fi%
18279   \if@bidi@croploaded@else
18280     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi packag
18281   \fi%
18282   \if@bidi@colorloaded@else
18283     \@ifpackageloaded{hyperref}{}{-%
18284     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packa
18285   \fi%
18286   \if@bidi@cutwinloaded@else
18287     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi pack
18288   \fi%
18289   \if@bidi@cutedloaded@else
18290     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packa
18291   \fi%
18292   \if@bidi@dblnotloaded@else
18293     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pa
18294   \fi%
18295   \if@bidi@diagboxloaded@else
18296     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pac
18297   \fi%
18298   \if@bidi@xcolorloaded@else
18299     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi pack
18300   \fi%
18301   \if@bidi@colortblloaded@else
18302     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pa
18303   \fi%
18304   \if@bidi@floatloaded@else
18305     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packa

```



```

18306 \fi%
18307 \if@bidi@floatrowloaded@else
18308 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pa
18309 \fi%
18310 \if@bidi@flowframloaded@else
18311 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pa
18312 \fi%
18313 \if@bidi@framedloaded@else
18314 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi pack
18315 \fi%
18316 \if@bidi@ftnrightloaded@else
18317 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pa
18318 \fi%
18319 \if@bidi@xltxtraloaded@else
18320 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi pac
18321 \fi%
18322 \if@bidi@xunicodeloaded@else
18323 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pa
18324 \fi%
18325 \if@bidi@wrapfigloaded@else
18326 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pac
18327 \fi%
18328 \if@bidi@graphicxloaded@else
18329 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pa
18330 \fi%
18331 \if@bidi@geometryloaded@else
18332 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pa
18333 \fi%
18334 \if@bidi@hvfloatloaded@else
18335 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pac
18336 \fi%
18337 \if@bidi@mdframedloaded@else
18338 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pa
18339 \fi%
18340 \if@bidi@midfloatloaded@else
18341 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pa
18342 \fi%
18343 \if@bidi@ntheoremloaded@else
18344 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pa
18345 \fi%
18346 \if@bidi@hyperrefloaded@else
18347 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pa
18348 \fi%
18349 \if@bidi@fancyboxloaded@else
18350 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pa
18351 \fi%
18352 \if@bidi@fancyhdrloaded@else
18353 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pa
18354 \fi%
18355 \if@bidi@draftwatermarkloaded@else
18356 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after b
18357 \fi%
18358 \if@bidi@empheqloaded@else
18359 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi pack

```



```

18360 \fi%
18361 \if@bidi@overpicloaded@else
18362 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pa
18363 \fi%
18364 \if@bidi@pdfpagesloaded@else
18365 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pa
18366 \fi%
18367 \if@bidi@lettrineloaded@else
18368 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pa
18369 \fi
18370 \if@bidi@linenoloaded@else
18371 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi pack
18372 \fi%
18373 \if@bidi@listingsloaded@else
18374 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pa
18375 \fi%
18376 \csname if@bidi@media9loaded@endcsname\else
18377 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi pack
18378 \fi%
18379 \if@bidi@pstricksloaded@else
18380 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pa
18381 \fi%
18382 \if@bidi@pgfloaded@else
18383 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package
18384 \fi%
18385 \if@bidi@picinparloaded@else
18386 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pa
18387 \fi%
18388 \if@bidi@quotchaploaded@else
18389 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pa
18390 \fi%
18391 \if@bidi@tikzloaded@else
18392 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi packag
18393 \fi%
18394 \if@bidi@titlesecloaded@else
18395 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pa
18396 \fi%
18397 \if@bidi@titletocloaded@else
18398 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pa
18399 \fi%
18400 \if@bidi@arrayloaded@else
18401 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packa
18402 \fi%
18403 \if@bidi@stabularloaded@else
18404 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pa
18405 \fi%
18406 \if@bidi@soulloaded@else
18407 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi packag
18408 \fi%
18409 \if@bidi@subfigloaded@else
18410 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi pack
18411 \fi%
18412 \if@bidi@subfigureloaded@else
18413 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi p

```




```

18414 \fi%
18415 \if@bidi@supertabularloaded@else
18416 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi packa
18417 \fi%
18418 \if@bidi@xtabloaded@else
18419 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi packag
18420 \fi%
18421 \if@bidi@longtableloaded@else
18422 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi p
18423 \fi%
18424 \if@bidi@arydshlnloaded@else
18425 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pa
18426 \fi%
18427 \if@bidi@multicolloaded@else
18428 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pa
18429 \fi%
18430 \if@bidi@multienumloaded@else
18431 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi p
18432 \fi%
18433 \if@bidi@minitocloaded@else
18434 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi pac
18435 \fi%
18436 \if@bidi@natbibloaded@else
18437 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi pack
18438 \fi%
18439 \if@bidi@newfloatloaded@else
18440 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pa
18441 \fi%
18442 \csname if@bidi@ragged2eloaded@\endcsname\else
18443 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pa
18444 \fi%
18445 \if@bidi@rotatingloaded@else
18446 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pa
18447 \fi%
18448 \if@bidi@tblsloaded@else
18449 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi packa
18450 \fi%
18451 \if@bidi@tabularyloaded@else
18452 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pa
18453 \fi%
18454 \if@bidi@tocbasicloaded@else
18455 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pa
18456 \fi%
18457 \if@bidi@tocstyleloaded@else
18458 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pa
18459 \fi%
18460 \if@bidi@tocbibindloaded@else
18461 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi p
18462 \fi%
18463 \if@bidi@fontspecloaded@else
18464 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pa
18465 \fi%
18466 \if@bidi@arabxetexloaded@else
18467 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi p

```



```

18468 \fi%
18469 \if@bidi@polyglossialoaded@else
18470 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
18471 \fi%
18472 \if@bidi@fancyvrbloaded@else
18473 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pa
18474 \fi%
18475 }

```

110 File longtable-xetex-bidi.def

```

18476 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable pack
18477 \def\LT@array[#1]#2{%
18478 \refstepcounter{table}\stepcounter{LT@tables}%
18479 \if l#1%
18480 \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
18481 \else\if r#1%
18482 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
18483 \else\if c#1%
18484 \LTleft\fill \LTright\fill
18485 \fi\fi\fi
18486 \let\LT@mc@multicolumn
18487 \let\LT@t@tabarray\@tabarray
18488 \let\LT@h@hline
18489 \def\@tabarray{%
18490 \let\hline\LT@hline
18491 \LT@t@tabarray}%
18492 \let\\\LT@tabularcr\let\@tabularnewline\\
18493 \def\newpage{\noalign{\break}}%
18494 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
18495 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
18496 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
18497 \@tempdima\ht\strutbox
18498 \let\@endpbox\LT@endpbox
18499 \ifx\extrarowheight\@undefined
18500 \let\@acol\@tabacol
18501 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
18502 \def\@startpbox{\vtop\LT@startpbox}%
18503 \let\@@startpbox\@startpbox
18504 \let\@@endpbox\@endpbox
18505 \let\LT@LL@FM@cr\@tabularcr
18506 \else
18507 \advance\@tempdima\extrarowheight
18508 \col@sep\@tabcolsep
18509 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
18510 \fi
18511 \setbox\@arstrutbox\hbox{\vrule
18512 \@height \arraystretch \@tempdima
18513 \@depth \arraystretch \dp \strutbox
18514 \@width \z@}%
18515 \let\@sharp##\let\protect\relax
18516 \begingroup
18517 \mkpream{#2}%
18518 \xdef\LT@bchunk{%

```



```

18519     \global\advance\c@LT@chunks\@ne
18520     \global\LT@rows\z@\setbox\z@\vbox\bgroup
18521     \LT@setprevdepth
18522     \tabskip\LTleft \noexpand\halign to\hsize\bgroup
18523     \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
18524 \endgroup
18525 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
18526 \LT@make@row
18527 \m@th\let\par\@empty
18528 \everycr{}\lineskip\z@\baselineskip\z@
18529 \LT@bchunk}
18530 \def\LT@makecaption#1#2#3{%
18531 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
18532 \sbox\@tempboxa{\ifRTL\beginR\fi#1#2: }#3\ifRTL\endR\fi}%
18533 \ifdim\wd\@tempboxa>\hsize
18534 #1#2: }#3%
18535 \else
18536 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
18537 \fi
18538 \endgraf\vskip\baselineskip}%
18539 \hss}}
18540 \@ifpackageloaded{caption}{%
18541 \renewcommand\LT@makecaption[3]{%
18542 \caption@LT@make{%
18543 \caption@LT@settype\LT@captiontype
18544 \caption@LT@setup
18545 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
18546 \caption@startrue#1\caption@starfalse
18547 \caption@prepare@stepcounter\LT@captiontype
18548 \caption@begin\LT@captiontype
18549 \caption@normalsize
18550 \vskip-\ht\strutbox
18551 \caption@ifdefined\FBifcapttop{%
18552 \let\caption@belowskip\@empty}{}%
18553 \caption@make@above
18554 \caption@make{#2}{#3}\endgraf
18555 \caption@make@below
18556 \caption@end}}%
18557 }{}
18558 \def\LT@startpbox#1{%
18559 \bgroup\color@begingroup
18560 \let\@footnotetext\LT@p@ftntext
18561 \let\@LTRfootnotetext\LT@p@LTRftntext
18562 \let\@RTLfootnotetext\LT@p@RTLftntext
18563 \setlength\hsize{#1}%
18564 \@arrayparboxrestore
18565 \vrule \@height \ht\@arstrutbox \@width \z@}
18566 \def\LT@p@LTRftntext#1{%
18567 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext [\the\c@footnote]}%
18568 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18569 \def\LT@p@RTLftntext#1{%
18570 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext [\the\c@footnote]}%
18571 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18572

```



```

18573
18574 \def\LT@output{%
18575   \ifnum\outputpenalty <-\@Mi
18576   \ifnum\outputpenalty > -\LT@end@pen
18577     \LT@err{floats and marginpars not allowed in a longtable}\@ehc
18578   \else
18579     \setbox\z@\vbox{\unvbox\@cclv}%
18580     \ifdim \ht\LT@lastfoot>\ht\LT@foot
18581       \dimen@pagegoal
18582       \advance\dimen@-\ht\LT@lastfoot
18583       \ifdim\dimen@<\ht\z@
18584         \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
18585         \@makecol
18586         \@outputpage
18587         \setbox\z@\vbox{\box\LT@head}%
18588       \fi
18589     \fi
18590     \global\@colroom\@colht
18591     \global\vsizel\@colht
18592     \vbox
18593       {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@f
18594     \fi
18595   \else
18596     \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@f
18597     \@makecol
18598     \@outputpage
18599     \global\vsizel\@colroom
18600     \copy\LT@head\nobreak
18601   \fi}

```

111 File lscape-xetex-bidi.def

```

18602 \ProvidesFile{lscape-xetex-bidi.def}[2022/07/14 v0.2 bidi adaptations for lscape package fo
18603 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
18604   \if@RTL
18605     \rotatebox[origin=br]{-90}{\box\@outputbox}%
18606   \else
18607     \rotatebox{90}{\box\@outputbox}%
18608   \fi
18609 }{}{}
18610
18611 \g@addto@macro{\landscape}{%
18612   \if@bidi@csdef{bidi@columnwidth}{%
18613     \bidi@columnwidth\columnwidth
18614   }{}%
18615   \let\bidi@left@footnoterule\left@footnoterule
18616   \let\bidi@right@footnoterule\right@footnoterule
18617   \def\left@footnoterule{%
18618     \if@RTL
18619       \bidi@right@footnoterule
18620     \else
18621       \bidi@left@footnoterule
18622     \fi
18623   }%

```



```

18624 \def\right@footnoterule{%
18625   \if@RTL
18626     \bidi@left@footnoterule
18627   \else
18628     \bidi@right@footnoterule
18629   \fi
18630 }%
18631 }

```

112 File mathtools-xetex-bidi.def

```

18632 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools pack
18633 \MHInternalSyntaxOn
18634 \def\MT_define_tagform:nwnn #1[#2]#3#4{
18635   \@namedef{MT_tagform_#1:n}##1
18636     {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4
18637 }
18638 \renewtagform{default}{({})}
18639 \MHInternalSyntaxOff

```

113 File mdframed-xetex-bidi.def

```

18640 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed packag
18641 \newif\if@bidi@mdf@RTL
18642 \def\mdf@lrbox#1{%
18643   \mdf@patchamsthm\patch amsthm
18644   \if@RTL\@bidi@mdf@RTLtrue\fi%
18645   \@RTLfalse%
18646   \setbox#1\vbox\bgroup%
18647   \color@begingroup%
18648   \if@bidi@mdf@RTL\@RTLtrue\fi%
18649   \mdf@horizontalmargin@equation%
18650   \columnwidth=\hsize%
18651   \textwidth=\hsize%
18652   \let\if@nobreak\iffalse%
18653   \let\if@noskipsec\iffalse%
18654   \let\par\@par%
18655   \let\-\@dischyph%
18656   \let'\@acci\let'\@accii\let\=\@acciii%
18657   \parindent\z@ \parskip\z@skip%
18658   \linewidth\hsize%
18659   \@totalleftmargin\z@%
18660   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
18661   \parfillskip\@flushglue \lineskip\normallineskip%
18662   \baselineskip\normalbaselineskip%
18663 %% \sloppy%
18664 \let\\\@normalcr%
18665 \mdf@par@local%New feature to restore parskip/parindent local in save box
18666 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
18667 \@afterindentfalse%
18668 %\@afterheading%
18669 }
18670 \renewrobustcmd\mdfframedtitleenv[1]{%
18671   \mdf@lrbox{\mdf@frametitlebox}%

```



```

18672 \mdf@frametitlealignment%
18673 \leavevmode{\color{\mdf@frametitlefontcolor}}%
18674 \normalfont\mdf@frametitlefont{#1}
18675 \ifbool{mdf@ignorelastdescenders}%
18676 {%
18677 \par\strut\par
18678 \unskip\unskip\setbox0=\lastbox
18679 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
18680 }-}%
18681 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
18682 \endmdf@lrbox\relax%
18683 \mdf@ignorevbadness%
18684 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
18685 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
18686 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
18687 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
18688 \mdfframetitleboxtotalheight=\dimexpr
18689 \ht\mdf@frametitlebox
18690 +\dp\mdf@frametitlebox%
18691 +\mdf@frametitleaboveskip@length
18692 +\mdf@frametitlebelowskip@length
18693 \relax%
18694 }
18695
18696 \renewrobustcmd*\mdf@footnoteoutput{%
18697 \ifvoid\@mpfootins\else%
18698 \nobreak%
18699 \vskip\mdf@footnotedistance@length%
18700 \normalcolor%
18701 \bidi@mpfootnoterule%
18702 \unvbox\@mpfootins%
18703 \fi%
18704 }
18705
18706
18707 \renewrobustcmd*\mdf@footnoteinput{%
18708 \def\@mpfn{mpfootnote}%
18709 \def\thempfn{\thempfootnote}%
18710 \c@mpfootnote\z@%
18711 \let\@footnotetext\@mpfootnotetext%
18712 \let\@LTRfootnotetext\@mpLTRfootnotetext%
18713 \let\@RTLfootnotetext\@mpRTLfootnotetext%
18714 }

```

114 File bidi-media9.sty

```

18715 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
18716 {bidi fixes for media9 package for the XeTeX engine}
18717
18718 \keys_define:nn{media9/mbtn}{
18719 draft .code:n = {},
18720 final .code:n = {},
18721
18722 tooltip .tl_gset_x:N = \g_mix_tooltip_tl,

```



```

18723 tooltip .value_required:n = {true},
18724
18725 overface .code:n = {
18726   \sbox\l_mix_poster_box{
18727     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18728     \mix_pdfxform:n{\l_mix_poster_box}
18729     \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
18730   },
18731 overface .value_required:n = {true},
18732
18733 downface .code:n = {
18734   \sbox\l_mix_poster_box{
18735     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18736     \mix_pdfxform:n{\l_mix_poster_box}
18737     \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
18738   },
18739 downface .value_required:n = {true},
18740
18741 3Dgotoview .code:n = {
18742   \tl_set:Nx\l_tmpa_tl{#1}           %extract ref
18743   \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl
18744   \tl_trim_spaces:N\l_tmpa_tl
18745   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18746     \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18747       \tl_set:Nx\l_tmpb_tl{#1}       %extract idx
18748       \regex_replace_once:nnN{[~:]+:??}{\1}\l_tmpb_tl
18749       \tl_trim_spaces:N\l_tmpb_tl
18750       \tl_if_blank:VF\l_tmpb_tl{
18751         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
18752           \tl_set:Nx\l_mix_vidx_tl{/\l_tmpb_tl}
18753         }{
18754           \regex_match:nVTF{^~d+$}\l_tmpb_tl{
18755             \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
18756           }{
18757             \regex_replace_once:nnN{^~(\s*)}{\1}\l_tmpb_tl
18758             \regex_replace_once:nnN{~(\s*)}{\1}\l_tmpb_tl
18759             \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
18760           }
18761         }
18762       }
18763     \mix_pdfobj:nnn{}{dict}{
18764       /S/JavaScript/JS~(
18765         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18766         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18767           annotRM['\l_tmpa_tl']=
18768             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18769         }
18770         annotRM['\l_tmpa_tl'].activated=true;
18771       )
18772     \tl_if_blank:VF\l_tmpb_tl{
18773       /Next~<<
18774       /S/GoTo3DView
18775       /TA~\tl_use:c{ann@\l_tmpa_tl}
18776       /V\l_mix_vidx_tl

```



```

18777         >>
18778     }
18779 }
18780 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18781 }
18782 }{
18783 \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
18784 \cs_if_exist:NF\g_mix_refundefwarned_tl{
18785 \tl_new:N\g_mix_refundefwarned_tl
18786 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18787 }
18788 }
18789 },
18790 3Dgotoview .value_required:n = {true},
18791
18792 mediacommand .code:n = {
18793 \tl_set:Nx\l_tmpa_tl{#1}
18794 \regex_replace_once:nnN{([\^:]+):??.*}{\1}\l_tmpa_tl %extract ref
18795 \tl_trim_spaces:N\l_tmpa_tl
18796 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18797 \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18798 \tl_set:Nx\l_tmpb_tl{#1}
18799 \regex_replace_once:nnN{[\^:]+\.:?}{\1}\l_tmpb_tl
18800 \tl_trim_spaces:N\l_tmpb_tl
18801 \regex_replace_all:nnN{^\{|\}\$}{\1}\l_tmpb_tl
18802 \tl_set:Nx\l_mix_cmd_tl{
18803 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
18804 \tl_trim_spaces:N\l_mix_cmd_tl
18805 \tl_set:Nx\l_mix_arg_tl{
18806 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
18807 \tl_trim_spaces:N\l_mix_arg_tl
18808 \mix_pdfobj:nnn{}{dict}{
18809 /S/JavaScript/JS~(
18810 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18811 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18812 annotRM['\l_tmpa_tl']=
18813 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18814 }
18815 annotRM['\l_tmpa_tl'].activated=true;
18816 )
18817 \tl_if_blank:VF\l_mix_cmd_tl{
18818 /Next~<<
18819 /S/RichMediaExecute
18820 /TA~\tl_use:c{ann@\l_tmpa_tl}
18821 /TI~\tl_use:c{main@\l_tmpa_tl}
18822 /CMD~<<
18823 /C~(\l_mix_cmd_tl)
18824 \tl_if_blank:VF\l_mix_arg_tl{
18825 /A~[\l_mix_arg_tl]
18826 }
18827 >>
18828 >>
18829 }
18830 }

```




```

18831     \tl_gput_right:Nx\g_mix_btnactions_tl{-\mix_pdflastobj:}
18832   }
18833 }{
18834   \msg_warning:nx{media9}{undefined-reference}{\l_tmpa_tl}
18835   \cs_if_exist:NF\g_mix_refundefwarned_tl{
18836     \tl_new:N\g_mix_refundefwarned_tl
18837     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18838   }
18839 }
18840 },
18841 mediacommand .value_required:n = {true},
18842
18843 jsaction .code:n = {
18844   \tl_set:Nx\l_tmpa_tl{#1}
18845   \regex_match:nVTF{^[^\:]+\:.*$}\l_tmpa_tl{
18846     \regex_replace_once:nnN{([\^:]+):??.*}{\1}\l_tmpa_tl %extract ref
18847     \tl_trim_spaces:N\l_tmpa_tl
18848   }{\tl_clear:N\l_tmpa_tl}
18849   \tl_set:Nx\l_tmpb_tl{#1}
18850   \tl_if_blank:VF\l_tmpa_tl{
18851     \tl_if_exist:cF{ann@\l_tmpa_tl}{
18852       \msg_warning:nx{media9}{undefined-reference}{\l_tmpa_tl}
18853       \cs_if_exist:NF\g_mix_refundefwarned_tl{
18854         \tl_new:N\g_mix_refundefwarned_tl
18855         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18856       }
18857     }
18858     \regex_replace_once:nnN{[\^:]+\:}{\}\l_tmpb_tl
18859   }
18860   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
18861   \tl_trim_spaces:N\l_tmpb_tl
18862   \tl_if_blank:VF\l_tmpb_tl{
18863     \mix_pdfobj:nnn{}{dict}{
18864       /S/JavaScript/JS~(
18865         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}))}
18866     \bool_lazy_and:nnT{
18867       \tl_if_exist_p:c{ann@\l_tmpa_tl}
18868     }{
18869       !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18870     }{
18871       \mix_pdfobj:nnn{}{dict}{
18872         /S/JavaScript/JS~(
18873           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
18874           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18875             annotRM['\l_tmpa_tl']=
18876               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18877           }
18878           annotRM['\l_tmpa_tl'].activated=true;
18879         )
18880         \tl_if_blank:VF\l_tmpb_tl{Next~\mix_pdflastobj:}
18881       }
18882     }
18883     \bool_if:nT{
18884       \bool_lazy_and_p:nn{

```



```

18885     \tl_if_exist_p:c{ann@l_tmpa_tl}
18886   }{
18887     !\str_if_eq_p:ee{\tl_use:c{ann@l_tmpa_tl}}{draft}
18888   }
18889   || !\tl_if_blank_p:V\l_tmpb_tl
18890   }{
18891     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18892   }
18893 },
18894 jsaction .value_required:n = {true},
18895
18896 unknown .code:n = {
18897   \msg_error:nx{media9}{unknown~option}{\l_keys_key_tl}
18898 }
18899 }
18900
18901 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file
18902   \mix_uriend:
18903   \group_begin:
18904   \mix_beginLTR:
18905   \mode_leave_vertical:
18906   %empty stream as appearance dummy
18907   \cs_if_exist:NF\g_mix_appearance_tl{
18908     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
18909     \mix_pdfxform:n{\l_mix_poster_box}
18910     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
18911   }
18912   \mix_reset:
18913   \mix_uribegin: %treat URI characters correctly
18914   \keys_set:nn{media9/user}{#1}
18915   \mix_uriend:
18916   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
18917   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
18918   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
18919   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~}{=}
18920   \tl_gtrim_spaces:N\g_mix_flashvars_tl
18921
18922   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
18923
18924   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
18925   %\hbox_set:Nn\l_mix_poster_box{#2}
18926   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
18927   \mix_scale:n{\l_mix_poster_box}
18928   \bool_if:nT{
18929     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
18930     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
18931   }{
18932     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
18933   }
18934   \bool_if:NTF\g_mix_usrdraft_bool{
18935     \tl_if_empty:NF\g_mix_usrlabel_tl{
18936       \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
18937     }
18938     \tl_if_blank:oTF{#2}{

```



```

18939 \mix_uribegin: %treat URI characters correctly
18940 \mix_draftbox:n{\tl_to_str:n{#3}}
18941 \mix_uriend:
18942 }{
18943 \hbox_to_wd:nn{\g_mix_wd_tl}{
18944 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
18945 \box_use:N\l_mix_poster_box\hss
18946 }
18947 }
18948 }{
18949 \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
18950 %attach script that switches off play button overlay upon activation
18951 \mix_pdfobj:nnn{}{stream}{
18952   }{
18953     var~ocgs=host.getOCGs(host.pageNum);
18954     for(var~i=0;i<ocgs.length;i++){
18955       if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
18956         ocgs[i].state=false;
18957       }
18958     }
18959   }
18960 }
18961 \mix_pdfobj:nnn{}{dict}{
18962   /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
18963 }
18964 \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
18965 \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
18966 %enforce plain playbutton overlay for XeTeX
18967 \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
18968 }
18969 %embed main asset
18970 \mix_uribegin:
18971 \mix_embedasset:n{#3}
18972 \bool_if:nTF{
18973   \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
18974 }{
18975   \bool_gset_true:N\g_mix_iiid_bool
18976   \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
18977 }{
18978   \str_case_e:nnF{\l_mix_base_tl}{
18979     {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
18980     {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
18981     {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
18982     {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
18983     {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
18984     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
18985   }
18986   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
18987   \mix_uriend:
18988   %secondary assets (added by addresource)
18989   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
18990   \seq_map_inline:Nn\g_mix_script_seq{
18991     \mix_embedasset:n{##1}
18992     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}

```



```

18993 }
18994 %attach 3D calculation script
18995 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
18996   \mix_embedasset:n{3Dmenu.js}
18997   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
18998 }
18999 %create 3D views from file (option 3Dviews)
19000 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:\V\g_mix_vfile_tl)}{
19001   \tl_set:Nn\l_mix_level_tl{-1}
19002   \int_zero:N\l_mix_viewcnt_int
19003   \int_zero:N\l_mix_lineno_int
19004
19005   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
19006   \ior_map_inline:Nn\l_mix_vfile_stream{
19007     \int_incr:N\l_mix_lineno_int
19008     \keys_set:nn{media9/views}{##1} %process input line
19009   }
19010   \ior_close:N\l_mix_vfile_stream
19011 }
19012 \bool_if:nT{ %create default 3D view if required
19013   \g_mix_iiid_bool &&
19014   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:\V\l_mix_iiidviewarray_tl)
19015 }{
19016   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
19017   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
19018   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
19019   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
19020   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
19021   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
19022   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
19023
19024   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
19025   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
19026   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
19027   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
19028
19029   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
19030   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
19031   \tl_clear:N\l_mix_naarray_tl
19032
19033   \bool_if:NF\l_mix_ciiw_bool{
19034     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
19035     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
19036   }
19037
19038   \tl_clear:N\l_mix_naarray_tl
19039   \tl_clear:N\l_mix_saarray_tl
19040   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
19041
19042   \mix_view:n{Default}
19043   \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
19044
19045 }
19046 \mix_pdfobj:nnn{}{dict}{

```



```

19047 /Type/RichMediaInstance
19048 /Subtype/\g_mix_mainassetsub_tl
19049 /Asset~\g_mix_mainasset_tl
19050 \bool_if:NF\g_mix_iiid_bool{
19051 /Params~<<
19052 /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
19053 /Foreground
19054 }{
19055 /Background
19056 }
19057 \tl_if_blank:VF\g_mix_flashvars_tl{
19058 /FlashVars~(\g_mix_flashvars_tl)
19059 }
19060 >>
19061 }
19062 }
19063 \tl_if_empty:NF\g_mix_usrlabel_tl{
19064 \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
19065 }
19066 \mix_pdfobj:nnn{}{dict}{
19067 /Type/RichMediaConfiguration
19068 /Subtype/\g_mix_mainassetsub_tl
19069 /Instances~[\mix_pdflastobj:]
19070 }
19071 \mix_pdfobj:nnn{}{dict}{
19072 /Type/RichMediaContent
19073 /Assets~<</Names~[\g_mix_assets_tl]>>
19074 /Configurations~[\mix_pdflastobj:]
19075 \bool_if:nT{
19076 \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
19077 }{
19078 /Views~[\l_mix_iiidviewarray_tl]
19079 }
19080 }
19081 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
19082 \bool_if:nT{
19083 \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
19084 }{
19085 \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
19086 }
19087 %determine floating window size
19088 \bool_if:NT\g_mix_opt_windowed_bool{
19089 \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
19090 }
19091 \mix_pdfobj:nnn{}{dict}{
19092 /Activation~<<
19093 /Condition\g_mix_act_tl
19094 \bool_if:nT{
19095 \g_mix_iiid_bool &&
19096 !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
19097 }{%seems to work only with 3D content
19098 /Animation~<<
19099 /Subtype/\g_mix_playtpe_tl
19100 /PlayCount~\g_mix_playcnt_tl

```



```

19101         /Speed~\g_mix_playspd_tl
19102     >>
19103 }
19104 \bool_if:nT{
19105     \g_mix_iiid_bool && (
19106         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
19107     )
19108 }{/View~\l_mix_dfltview_tl}
19109 /Presentation~<<
19110     /Transparent~\g_mix_transp_tl
19111     \bool_if:NTF\g_mix_opt_windowed_bool{
19112         /Style/Windowed
19113         /Window~<<
19114             /Width~<</Default~\tl_mix_fltd>>
19115             /Height~<</Default~\tl_mix_fltht>>
19116             /Position~<<
19117                 /HOffset~0/VOffset~0
19118                 \str_case_e:nnF{\g_mix_winpos_tl}{
19119                     {tl}{VAlign/Near/HAlign/Near}
19120                     {cl}{VAlign/Center/HAlign/Near}
19121                     {bl}{VAlign/Far/HAlign/Near}
19122                     {bc}{VAlign/Far/HAlign/Center}
19123                     {br}{VAlign/Far/HAlign/Far}
19124                     {cr}{VAlign/Center/HAlign/Far}
19125                     {tr}{VAlign/Near/HAlign/Far}
19126                     {tc}{VAlign/Near/HAlign/Center}
19127                 }{/HAlign/Center/VAlign/Center}
19128             >>
19129         >>
19130     }{
19131         /Style/Embedded
19132     }
19133     \bool_if:NTF\g_mix_iiid_bool{
19134         /Toolbar~\g_mix_tools_tl
19135         /NavigationPane~\g_mix_nav_tl
19136     }{
19137         /PassContextClick~\g_mix_contextclick_tl
19138     }
19139     >>
19140     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
19141     >>
19142     /Deactivation~<</Condition\g_mix_deact_tl>>
19143 }
19144 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
19145 \tl_if_empty:NF\g_mix_usrlabel_tl{
19146     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
19147 }
19148 % #1:width, #2:height, #3:depth, #4:content (key-value)
19149 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
19150     /Subtype/RichMedia
19151     /F~4
19152     /BS~<</W~0/S/S>>
19153     /Contents~(media-embedded-by-media9~[\g_mix_version_tl~(\g_mix_date_tl)])
19154     /NM~(\g_mix_label_tl)

```



```

19155 /AP~<</N~\g_mix_appearance_tl>>
19156 /RichMediaSettings~\l_mix_settings_tl
19157 /RichMediaContent~\l_mix_content_tl
19158 }
19159 \tl_if_empty:NF\g_mix_usrlabel_tl{
19160 \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
19161 \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
19162 \noexpand\the\g@mix@page@int}
19163 }
19164 \mix_pdfobj:nnn{}{dict}{
19165 /S/JavaScript/JS~(
19166 try{
19167 if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
19168 if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
19169 annotRM['\g_mix_label_tl']=
19170 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
19171 }
19172 \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
19173 if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
19174 var~ocgs=this.getOCGs(this.pageNum);
19175 for(var~i=0;i<ocgs.length;i++){
19176 if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
19177 var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
19178 }
19179 }
19180 }
19181 if(
19182 !annotRM['\g_mix_label_tl'].activated&&(
19183 app.viewerType=='Reader' ||
19184 app.viewerType=='Exchange' ||
19185 app.viewerType=='Exchange-Pro'
19186 )&&app.viewerVersion>=9
19187 ){
19188 ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
19189 }
19190 }
19191 }catch(e){
19192 this.dirty=false;
19193 )
19194 }
19195 \mix_pdfannot:nnn{0pt}{0pt}{0pt}{
19196 /Subtype/Widget
19197 /FT/Btn/Ff-65537/F~2
19198 /BS~<</W~0>>
19199 /T~(fd@\g_mix_label_tl)
19200 /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
19201 }
19202 \mix_appendtofields:n{\mix_pdflastann:}
19203 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
19204 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
19205 \hbox_to_wd:nn{\g_mix_wd_tl}{
19206 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
19207 }
19208 }{\%insert play button overlay

```



```

19209     \mix_insert_btnocg: %create OCG
19210     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
19211     \group_begin:
19212     \cs_if_exist:NT\textdir{\textdir TLT}
19213     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
19214     \box_move_down:nn{\g_mix_dp_tl}{
19215         \hbox_to_wd:nn{\g_mix_wd_tl}{
19216             \vbox_to_ht:nn{\g_mix_tt_tl}{
19217                 \vss
19218                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
19219                 \box_use:N\l_mix_pbtn_box
19220                 \ocgbase_oc_emc:
19221             }
19222         }
19223     }
19224     \group_end:
19225 }
19226     \int_gincr:N\g_mix_rmcnt_int
19227 }
19228     \mix_endLTR:
19229     \group_end:
19230 }
19231 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
19232 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
19233
19234 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text
19235     \mix_uriend:
19236     \group_begin:
19237     \mix_beginLTR:
19238     \mode_leave_vertical:
19239     %reset various variables
19240     \tl_gclear:N\g_mix_overbtn_tl
19241     \tl_gclear:N\g_mix_downbtn_tl
19242     \tl_gclear:N\g_mix_btnactions_tl
19243     \tl_gclear:N\g_mix_tooltip_tl
19244     %process options
19245     \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
19246     \mix_uribegin: %treat URI characters correctly
19247     \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
19248     \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
19249     \mix_uriend:
19250     %normal button appearance
19251     %\hbox_set:Nn\l_mix_poster_box{#2}
19252     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
19253     \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
19254     \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
19255     \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
19256     \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
19257         \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
19258             \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
19259         \mix_pdfxform:n{\l_mix_poster_box}
19260         \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
19261         %insert widget annotation
19262         \mix_pdfannot:nnnn{\width}{\height}{\depth}{

```




```

19263 /Subtype/Widget
19264 /T~(mbtn@int_use:N\g_mix_mbtncnt_int)
19265 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
19266 /FT/Btn/Ff~65536
19267 \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
19268 /AP~<<
19269 /N~\g_mix_normalbtn_tl
19270 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
19271 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
19272 >>
19273 /MK~<<
19274 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
19275 /I~\g_mix_normalbtn_tl
19276 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
19277 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
19278 >>
19279 /A~<<
19280 /S/JavaScript/JS~(app.focusRect=false;)
19281 %sequence of actions to perform
19282 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
19283 >>
19284 }
19285 \mix_appendtofields:n{\mix_pdflastann;}
19286 \hbox_to_wd:nn{\width}{
19287 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
19288 }
19289 \int_gincr:N\g_mix_mbtncnt_int
19290 }
19291 \mix_endLTR:
19292 \group_end:
19293 }
19294 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
19295 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
19296

```

115 File memoir-xetex-bidi.def

```

19297 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for
19298 \renewcommand{\keepthetitle}{%
19299 \@bsmtitleempty
19300 \global\let\thanks\relax
19301 \global\let\LTRthanks\relax
19302 \global\let\RTLthanks\relax
19303 \global\let\and\relax
19304 \global\let\andnext\relax
19305 \global\let\@thanks\@empty
19306 \global\let\@title\@empty
19307 \global\let\@author\@empty
19308 \global\let\@date\@empty}
19309 \renewcommand{\maketitle}{\par
19310 \begingroup
19311 \@bsmarkseries
19312 \def\@makefnmark{\@textsuperscript{%
19313 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%

```



```

19314 \long\def\@makefntext##1{\makethanksmark ##1}
19315 \if@twocolumn
19316   \ifnum \col@number=\@ne
19317     \@maketitle
19318   \else
19319     \twocolumn[\@maketitle]%
19320   \fi
19321 \else
19322   \ifdim\pagetotal>\z@
19323     \newpage
19324   \fi
19325   \global\@topnum\z@
19326   \@maketitle
19327 \fi
19328 \thispagestyle{title}\@thanks
19329 \endgroup
19330 \@bscontmark % \setcounter{footnote}{0}%
19331 }
19332 \renewcommand*\@memRTLleftskip{\if@RTL\rightskip\else\leftskip\fi}
19333 \renewcommand*\@memRTLrightskip{\if@RTL\leftskip\else\rightskip\fi}
19334 \renewcommand*\@memRTLvleftskip{\if@RTL\vrightskip\else\vleftskip\fi}
19335 \renewcommand*\@memRTLvrightskip{\if@RTL\vleftskip\else\vrightskip\fi}
19336 \renewcommand*\@memRTLraggedright{\if@RTL\raggedleft\else\raggedright\fi}
19337 \renewcommand*\@memRTLraggedleft{\if@RTL\raggedright\else\raggedleft\fi}
19338 \renewcommand*\@thesection{\@thechapter\@SepMark\@arabic\c@section}
19339 \renewcommand*\@thesubsection{\%
19340   \thesection\@SepMark\@arabic\c@subsection}
19341 \renewcommand*\@thesubsubsection{\%
19342   \thesubsection\@SepMark\@arabic\c@subsubsection}
19343 \renewcommand*\@theparagraph{\%
19344   \thesubsubsection\@SepMark\@arabic\c@paragraph}
19345 \renewcommand*\@thesubparagraph{\%
19346   \theparagraph\@SepMark\@arabic\c@subparagraph}
19347 \renewcommand{\setthesection}{\@thechapter\@SepMark\Alph{section}}
19348 \renewcommand{\theequation}{\%
19349   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19350 \renewcommand{\thefigure}{\@thechapter\@SepMark\@arabic\c@figure}
19351 \renewcommand{\thetable}{\@thechapter\@SepMark\@arabic\c@table}
19352 \ifartopt
19353   \chapterstyle{article}
19354   \counterwithout{figure}{chapter}
19355   \counterwithout{table}{chapter}
19356   \counterwithout{footnote}{chapter}
19357   \counterwithout{equation}{chapter}
19358   \renewcommand{\chaptername}{}
19359   \renewcommand{\maketitlehookb}{\%
19360     \vskip -1.5\topsep\vskip -1.5\partopsep}
19361   \renewcommand{\maketitlehookc}{\%
19362     \vskip -1.5\topsep\vskip -1.5\partopsep}
19363 \fi
19364 \long\def\@makecaption#1#2{\let\@memtempa\relax
19365   \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
19366   \else \def\@memtempa{\vbox to\topskip{}}\fi
19367   \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}

```



```

19368 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][{}]{
19369 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
19370 \let\footnote\@contfnote
19371 \let\footnotemark\@contfmark
19372 \ifdim\wd\@tempboxa<\linewidth \centering \fi
19373 \if@contcw
19374 \centering
19375 \parbox{\@contcwidth}{%
19376 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
19377 \fi
19378 \ifdim\wd\@tempboxa<\linewidth
19379 \@contpre
19380 {\@contnfont #1\@contdelim}\@memtempa
19381 {\@contcstyle \@conttfont #2\@contfinal\par}
19382 \else
19383 \if@conthang
19384 \sbox\@tempboxa{\@contnfont #1\@contdelim}
19385 \@contpre%
19386 {\@contcstyle\hangindent=\wd\@tempboxa
19387 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
19388 \else
19389 \if@contindent
19390 \@contpre%
19391 {\@contnfont #1\@contdelim}\@memtempa
19392 {\@contcstyle\hangindent=\@contindw
19393 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
19394 \else
19395 \@contpre%
19396 {\@contnfont #1\@contdelim}\@memtempa
19397 {\@contcstyle \@conttfont #2\@contfinal\par}
19398 \fi
19399 \fi
19400 \fi
19401 \@contpost
19402 \if@contcw
19403 \par
19404 } % end of the \parbox
19405 \fi
19406 \vskip\belowcaptionskip}
19407 \@ifpackageloaded{caption}{%
19408 \AtBeginPackage{caption}{
19409 \ClassWarningNoLine{memoir}{%
19410 You are using the caption package with the memoir \MessageBreak
19411 class. This may cause unexpected or inconsistent \MessageBreak
19412 results if you use any of memoir's captioning facilities}
19413
19414 \long\def\@makecaption##1##2{%
19415 \vskip\abovecaptionskip
19416 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
19417 \ifdim \wd\@tempboxa >\hsize
19418 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
19419 \else
19420 \global \@minipagefalse
19421 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%

```



```

19422 \fi
19423 \vskip\belowcaptionskip}
19424
19425 \def\caption{%
19426   \ifx\@capytype\@undefined
19427     \@latex@error{\noexpand\caption outside float}\@ehd
19428     \expandafter\@gobble
19429   \else
19430     \refstepcounter\@capytype
19431     \expandafter\@firstofone
19432   \fi
19433   {\@dblarg{\@caption\@capytype}}%
19434 }
19435
19436 \long\def\@caption##1[##2]##3{%
19437   \par
19438   \addcontentsline{\csname ext@##1\endcsname}{##1}%
19439     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
19440   \begingroup
19441     \@parboxrestore
19442     \if@minipage
19443       \setminipage
19444     \fi
19445     \normalsize
19446     \@makecaption{\csname fnum##1\endcsname}{\ignorespaces ##3}\par
19447   \endgroup}
19448 }}{-}
19449 \renewenvironment{thebibliography}[1]{%
19450   \bibsection
19451   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19452   \bidi@thebibliography@font@hook%
19453   \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

116 File midfloat-xetex-bidi.def

```

19454 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat packag
19455 \def\RTL@outputdblcol{%
19456   \if@firstcolumn
19457     \global \@firstcolumnfalse
19458     \global\setbox\@leftcolumn\copy\@outputbox
19459     \splitmaxdepth\maxdimen
19460     \vbadness\maxdimen
19461     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19462     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19463     \toks@\expandafter{\topmark}%
19464     \xdef\@firstcoltopmark{\the\toks@}%
19465     \toks@\expandafter{\splitfirstmark}%
19466     \xdef\@firstcolfirstmark{\the\toks@}%
19467     \ifx\@firstcolfirstmark\@empty
19468       \global\let\@setmarks\relax
19469     \else
19470       \gdef\@setmarks{%
19471         \let\firstmark\@firstcolfirstmark
19472         \let\topmark\@firstcoltopmark}%

```



```

19473 \fi
19474 \global\c@colht\@colht\global\c@addvipersep\z@
19475 \ifnum\juc@sk>0
19476 \remove@strip\juc@sar
19477 \global\@colht\the\juc@pr
19478 \ifdim\right@cor>\z@
19479 \global\advance\@colht by\right@cor
19480 \fi
19481 \global\advance\@colht by\cor@height
19482 \global\cor@height=0pt
19483 \fi
19484 \global \setbox\@rightcolumn \vbox{}%
19485 \else
19486 \ifdim\c@colht>\@colht
19487 \@tempdima\@colht
19488 \ifdim\@colht>\z@
19489 \global\setbox\@rightcolumn \vbox{%
19490 \unvbox\@rightcolumn
19491 \vbox to\@tempdima{%
19492 \vskip\c@addvipersep\unvbox\@outputbox}%
19493 \vskip\stripsep
19494 \vrule height\the\juc@ht width 0pt depth 0pt
19495 \vskip\stripsep
19496 }%
19497 \global\c@addvipersep\m@addvipersep
19498 \else
19499 \global\setbox\@rightcolumn \vbox{%
19500 \unvbox\@rightcolumn
19501 \vrule height\the\juc@ht width 0pt depth 0pt
19502 \vskip\stripsep
19503 }%
19504 \fi
19505 \ifnum\juc@sk>0
19506 \remove@strip\juc@sar
19507 \global\@colht\the\juc@pr
19508 \global\advance\@colht by -\ht\@rightcolumn
19509 \global\advance\@colht by\cor@height
19510 \global\cor@height=0pt
19511 \else
19512 \global\advance\c@colht by-\ht\@rightcolumn
19513 \global\@colht\c@colht
19514 \fi
19515 \else
19516 \global\@firstcolumntrue
19517 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19518 \unvbox\@rightcolumn
19519 \vskip\c@addvipersep
19520 \unvbox\@outputbox
19521 }%
19522 \setbox\@outputbox \vbox {%
19523 \hb@xt@\textwidth {%
19524 \hskip \columnwidth
19525 \hfil
19526 \vrule \@width\columnseprule

```



```

19527 \hfil
19528 \hb@xt@\columnwidth {%
19529 \bidi@firstcolumn@status@write%
19530 \box\@leftcolumn \hss}%
19531 \hskip-\textwidth
19532 \hb@xt@\columnwidth {%
19533 \bidi@lastcolumn@status@write%
19534 \box\@outputbox \hss}%
19535 \hskip\columnwidth
19536 \hskip\columnsep}%
19537 }%
19538 \@combinedblfloats
19539 \@setmarks
19540 \@outputpage
19541 \begingroup
19542 \@dblfloatplacement
19543 \@startdblcolumn
19544 \@whilesw\if@fcolmade \fi
19545 {\@outputpage
19546 \@startdblcolumn}%
19547 \endgroup
19548 \global\juo@sk=0\global\juo@sar={}%
19549 \global\cor@height\z@\global\c@advvipersep\z@
19550 \fi
19551 \fi
19552 }
19553
19554
19555 \def\LTR@outputdblcol{%
19556 \if@firstcolumn
19557 \global \@firstcolumnfalse
19558 \global\setbox\@leftcolumn\copy\@outputbox
19559 \splitmaxdepth\maxdimen
19560 \vbadness\maxdimen
19561 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19562 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19563 \toks@\expandafter{\topmark}%
19564 \xdef\@firstcoltopmark{\the\toks@}%
19565 \toks@\expandafter{\splitfirstmark}%
19566 \xdef\@firstcolfirstmark{\the\toks@}%
19567 \ifx\@firstcolfirstmark\@empty
19568 \global\let\@setmarks\relax
19569 \else
19570 \gdef\@setmarks{%
19571 \let\firstmark\@firstcolfirstmark
19572 \let\topmark\@firstcoltopmark}%
19573 \fi
19574 \global\c@colht\@colht\global\c@advvipersep\z@
19575 \ifnum\juo@sk>0
19576 \remove@strip\juo@sar
19577 \global\@colht\the\juo@pr
19578 \ifdim\right@cor>\z@
19579 \global\advance\@colht by\right@cor
19580 \fi

```



```

19581     \global\advance\@colht by\cor@height
19582     \global\cor@height=0pt
19583     \fi
19584     \global \setbox\@rightcolumn \vbox{}%
19585 \else
19586     \ifdim\c@colht>\@colht
19587         \@tempdima\@colht
19588         \ifdim\@colht>\z@
19589             \global\setbox\@rightcolumn \vbox{%
19590                 \unvbox\@rightcolumn
19591                 \vbox to\@tempdima{%
19592                     \vskip\c@addvipersep\unvbox\@outputbox}%
19593                 \vskip\stripsep
19594                 \vrule height\the\juo@ht width Opt depth Opt
19595                 \vskip\stripsep
19596             }%
19597         \global\c@addvipersep\m@addvipersep
19598     \else
19599         \global\setbox\@rightcolumn \vbox{%
19600             \unvbox\@rightcolumn
19601             \vrule height\the\juo@ht width Opt depth Opt
19602             \vskip\stripsep
19603         }%
19604     \fi
19605     \ifnum\juo@sk>0
19606         \remove@strip\juo@sar
19607         \global\@colht\the\juo@pr
19608         \global\advance\@colht by -\ht\@rightcolumn
19609         \global\advance\@colht by\cor@height
19610         \global\cor@height=0pt
19611     \else
19612         \global\advance\c@colht by-\ht\@rightcolumn
19613         \global\@colht\c@colht
19614     \fi
19615 \else
19616     \global\@firstcolumntrue
19617     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19618         \unvbox\@rightcolumn
19619         \vskip\c@addvipersep
19620         \unvbox\@outputbox
19621     }%
19622     \setbox\@outputbox \vbox {%
19623         \hb@xt@\textwidth {%
19624             \hb@xt@\columnwidth {%
19625                 \bidi@firstcolumn@status@write%
19626                 \box\@leftcolumn \hss}%
19627             \hfil
19628             \vrule \@width\columnseprule
19629             \hfil
19630             \hb@xt@\columnwidth {%
19631                 \bidi@lastcolumn@status@write%
19632                 \box\@outputbox \hss}%
19633             }%
19634     }%

```



```

19635 \@combinedblfloats
19636 \@setmarks
19637 \@outputpage
19638 \begingroup
19639   \@dblfloatplacement
19640   \@startdblcolumn
19641   \@whilesw\if@fcolmade \fi
19642   {\@outputpage
19643     \@startdblcolumn}%
19644 \endgroup
19645 \global\jua@sk=0\global\jua@sar={}%
19646 \global\cor@height\z@\global\c@addvipersep\z@
19647 \fi
19648 \fi
19649 }
19650
19651
19652 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
19653   \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\f
19654     \hsize\textwidth
19655     \@parboxrestore
19656     \col@number \@ne
19657     \vrule height\topskip width0pt depth0pt
19658 }
19659
19660 \def\endstrip{%
19661   \egroup\egroup
19662   \if@firstcolumn
19663     \ifdim\pagetotal>\z@
19664       \vskip\stripsep
19665       \global\ht@strip\pagegoal
19666       \global\advance\ht@strip by-\pagetotal
19667       \global\advance\ht@strip by-\stripsep
19668       \global\advance\ht@strip by-\ht\@viper
19669       \global\advance\ht@strip by-\stripsep
19670       \global\jua@ht=\ht\@viper
19671     \else
19672       \global\ht@strip\z@
19673     \fi
19674     \ifdim\ht@strip>\z@
19675       \unvbox\@viper
19676       \vskip\stripsep
19677       \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
19678       \global\advance\jua@sk by1
19679     \else
19680       \@latex@error{Strip needs more place!}\@ehc
19681       \if@vihproof
19682         \framebox[\columnwidth]{??? Strip ???}%
19683       \fi
19684     \fi
19685   \else
19686     \@latex@error{Strip is used only on left column!}\@ehc
19687     \if@vihproof
19688       \framebox[\columnwidth]{??? Strip ???}%

```




```
19689
19690
19691 }
```

```
\fi
\fi
```

117 File minitoc-xetex-bidi.def

```
19692 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package
19693 \def\@undottedtocline#1#2#3#4#5{%
19694 \ifnum #1>\c@tocdepth\relax \else
19695 \vskip \z@ plus.2\p@
19696 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmar
19697 \parindent #2\relax\@afterindenttrue
19698 \interlinepenalty\@M
19699 \leavevmode
19700 \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
19701 \hskip -\if@RTL\rightskip\else\leftskip\fi
19702 #4\nobreak\hfill \nobreak
19703 \null\par}%
19704 \fi}
19705 \def\@Undottedtocline#1#2#3#4#5{%
19706 \ifnum #1>\c@tocdepth\relax \else
19707 \vskip \z@ \@plus.2\p@
19708 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocm
19709 \parindent #2\relax\@afterindenttrue
19710 \interlinepenalty\@M
19711 \leavevmode
19712 \@tempdima #3\relax
19713 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rig
19714 {\coffeefont #4}\nobreak \nobreak\null
19715 \par}%
19716 \fi}
19717 \def\@Undottedtoclinep#1#2#3#4#5{%
19718 \ifnum #1>\c@tocdepth\relax \else
19719 \vskip \z@ \@plus.2\p@
19720 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocm
19721 \parindent #2\relax\@afterindenttrue
19722 \interlinepenalty\@M
19723 \leavevmode
19724 \@tempdima #3\relax
19725 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rig
19726 {#4}\nobreak \hfill \nobreak\null
19727 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
19728 \par}%
19729 \fi}
```

118 File multicol-xetex-bidi.def

```
19730 \ProvidesFile{multicol-xetex-bidi.def}[2022/07/10 v1.4 bidi adaptations for multicol packag
19731 \def\page@sofar{%
19732 \process@cols\mult@rightbox
19733 {\ifvoid\count@
19734 \setbox\count@\hbox to\hsize{}}%
19735 \else
19736 \wd\count@\hsize
```



```

19737     \fi}%
19738 \count@\col@number \advance\count@\m@ne
19739 \mult@info\z@
19740 {Column spec: \the\full@width\space = indent
19741             + columns + sep =\MessageBreak
19742     \the\multicol@leftmargin\space
19743     + \the\col@number\space
19744     x \the\hsize\space
19745     + \the\count@\space
19746     x \the\columnsep
19747     }%
19748 \ifvmode\else\errmessage{Multicol Error}\fi
19749 \nointerlineskip
19750 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
19751 \moveright\multicol@leftmargin
19752 \hbox to\full@width{%
19753     \bidi@multicol@align@columns
19754     \rlap{\phantom p}%
19755     }%
19756 \prevdepth\z@
19757 \kern-\dimen\tw@
19758 \ifdim\dimen\tw@ > \mc@gridwarn
19759 \PackageWarning{multicol}%
19760     {Very deep columns!\MessageBreak
19761     Grid alignment might be broken}%
19762 \fi
19763 }
19764 \def\LTR@column@boxes{%
19765     \process@cols\mult@firstbox{%
19766         \ifdim\dp\count@>\dimen\tw@
19767             \global\dimen\tw@\dp\count@ \fi
19768         \mc@col@status@write
19769         \box\count@
19770         \hss{\columnseprulecolor\vrule
19771             \@width\columnseprule}\hss}%
19772     \ifdim\dp\mult@rightbox>\dimen\tw@
19773         \global\dimen\tw@\dp\mult@rightbox \fi
19774     \mc@lastcol@status@write
19775     \box\mult@rightbox
19776 }
19777
19778 \def\RTL@column@boxes{%
19779     \process@cols\mult@firstbox{%
19780         \hskip\hsize
19781         \hss{\columnseprulecolor\vrule
19782             \@width\columnseprule}\hss
19783     }%
19784     \hskip\hsize
19785     \process@cols\mult@firstbox{%
19786         \ifdim\dp\count@>\dimen\tw@
19787             \global\dimen\tw@\dp\count@ \fi
19788         \hskip-\hsize
19789         \mc@col@status@write
19790         \box\count@

```



```

19791     \hskip-\hsize
19792     \hskip-\columnsep
19793   }%
19794   \ifdim\dp\mult@rightbox>\dimen\tw@
19795     \global\dimen\tw@\dp\mult@rightbox \fi
19796   \hskip-\hsize
19797   \mc@lastcol@status@write
19798   \box\mult@rightbox
19799   \hskip-\hsize
19800   \hskip\full@width
19801 }
19802
19803 \newcommand\RTLmulticolcolumns
19804   {\let\ bidi@multicol@align@columns
19805     \RTL@column@boxes}
19806 \newcommand\LTRmulticolcolumns
19807   {\let\ bidi@multicol@align@columns
19808     \LTR@column@boxes}
19809 \newcommand\ bidi@multicol@align@columns
19810   {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
19811 \ bidi@AtEndPreamble{%
19812   \if\ bidi@csdef{footinsv@1}{%
19813     \def\footnoterule{\kern-3\p@
19814       \hrule \@width \textwidth \kern 2.6\p@}%
19815   }{%
19816 }
19817 \def\multicols#1{\col@number#1\relax
19818   \ifnum\col@number<\tw@
19819     \PackageWarning{multicol}%
19820       {Using ` \number\col@number'
19821         columns doesn't seem a good idea.^^J
19822         I therefore use two columns instead}%
19823     \col@number\tw@ \fi
19824   \ifnum\col@number>20
19825     \PackageError{multicol}%
19826       {Too many columns}%
19827       {Current implementation doesn't
19828         support more than 20 columns.%
19829       \MessageBreak
19830       I therefore use 20 columns instead}%
19831     \col@number20 \fi
19832   \ifx\@footnotetext\mult@footnotetext
19833     \else
19834       \let\orig@footnotetext\@footnotetext
19835       \let\@footnotetext\mult@footnotetext
19836     \fi
19837   \ifx\@LTRfootnotetext\mult@LTRfootnotetext
19838     \else
19839       \let\orig@LTRfootnotetext\@LTRfootnotetext
19840       \let\@LTRfootnotetext\mult@LTRfootnotetext
19841     \fi
19842   \ifx\@RTLfootnotetext\mult@RTLfootnotetext
19843     \else
19844       \let\orig@RTLfootnotetext\@RTLfootnotetext

```



```

19845     \let\@RTLfootnotetext\mult@RTLfootnotetext
19846     \fi
19847     \@ifnextchar[\mult@cols{\mult@cols[]}]
19848 \long\def\mult@footnotetext#1{\begingroup
19849     \hsize\textwidth
19850     \columnwidth\textwidth
19851     \orig@footnotetext{#1}\endgroup}
19852 \long\def\mult@LTRfootnotetext#1{\begingroup
19853     \hsize\textwidth
19854     \columnwidth\textwidth
19855     \orig@LTRfootnotetext{#1}\endgroup}
19856 \long\def\mult@RTLfootnotetext#1{\begingroup
19857     \hsize\textwidth
19858     \columnwidth\textwidth
19859     \orig@RTLfootnotetext{#1}\endgroup}
19860 \def\right@footnoterule{%
19861     \kern-3\p@
19862     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
19863     \kern2.6\p@}
19864 \def\textwidth@footnoterule{\kern-3\p@
19865     \hrule \@width \textwidth \kern 2.6\p@}
19866 \def\bidileave@mult@copyins{%
19867     \advance\dimen@-\skip\@bidi@copyins@
19868     \advance\dimen@-\ht\@bidi@copyins@
19869 }
19870
19871 \bidi@AtEndPreamble{%
19872     \if@bidi@csundef{footinsv@1}{%
19873         \bidi@patchcmd{\multi@column@out}{%
19874             \ifvbox \@kludgeins
19875             }{%
19876                 \ifvoid\@bidi@copyins@ \else
19877                     \bidileave@mult@copyins
19878                 \fi
19879                 \ifvbox \@kludgeins
19880             }{}{}%
19881         }{}%
19882     }
19883
19884

```

119 File multienum-xetex-bidi.def

```

19885 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum pack
19886 \renewcommand{\itemx}[1]{\parbox[t]{%
19887 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19888 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
19889 \renewcommand{\itemxx}[2]{\parbox[t]{%
19890 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19891 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
19892 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19893 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
19894 \renewcommand{\itemxxx}[3]{\parbox[t]{%
19895 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%

```



```

19896 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19897 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
19898 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
19899 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19900 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}\smallskip
19901 \renewcommand{\itemxxxx}[4]{\parbox[t]%
19902 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19903 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19904 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19905 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19906 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19907 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
19908 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19909 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
19910 \renewcommand{\itemxxxx}[5]{\parbox[t]%
19911 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19912 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
19913 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19914 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
19915 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19916 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
19917 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19918 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
19919 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19920 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
19921 \renewcommand{\itemxox}[2]{\parbox[t]%
19922 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19923 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
19924 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19925 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
19926 \renewcommand{\itemxox}[2]{\parbox[t]%
19927 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19928 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
19929 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19930 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
19931 \renewcommand{\itemxox}[3]{\parbox[t]%
19932 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19933 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
19934 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19935 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19936 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19937 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
19938 \renewcommand{\itemxox}[3]{\parbox[t]%
19939 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19940 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
19941 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19942 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
19943 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19944 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
19945 \renewcommand{\itemxox}[3]{\parbox[t]%
19946 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19947 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
19948 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19949 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%

```



```

19950 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19951 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip

```

120 File natbib-xetex-bidi.def

```

19952 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package fo
19953 \renewenvironment{thebibliography}[1]{%
19954 \bibsection
19955 \parindent\z@
19956 \bibpreamble
19957 \bibfont
19958 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19959 \bidi@thebibliography@font@hook%
19960 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
19961 \ifNAT@openbib
19962 \renewcommand\newblock{\par}%
19963 \else
19964 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
19965 \fi
19966 \sloppy\clubpenalty4000\widowpenalty4000
19967 \sfcode`\.\@m
19968 \let\NAT@bibitem@first@sw\@firstoftwo
19969 \let\citeN\cite \let\shortcite\cite
19970 \let\citeasnoun\cite
19971 }{%
19972 \bibitem@fin
19973 \bibpostamble
19974 \def\@noitemerr{%
19975 \PackageWarning{natbib}{Empty `thebibliography' environment}%
19976 }%
19977 \endlist
19978 \bibcleanup
19979 }%

```

121 File newfloat-xetex-bidi.def

```

19980 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat packag
19981 \renewcommand*{newfloat@setwithin}[2]{%
19982 \ifcsname c@chapter\endcsname
19983 \@removefromreset{#1}{chapter}%
19984 \fi
19985 \@removefromreset{#1}{section}%
19986 \edef\@tempa{#2}%
19987 \ifx\@tempa\@empty
19988 \def\@tempa{none}%
19989 \fi
19990 \def\@tempb{none}%
19991 \ifx\@tempa\@tempb
19992 \ifcsname c@chapter\endcsname
19993 \@chapterlistsgap@off{#1}%
19994 \fi
19995 \newfloat@setwithin{#1}{\@tempa}%
19996 \else
19997 \def\@tempb{chapter}%

```



```

19998 \ifx\@tempa\@tempb
19999 \@addtoreset{#1}{chapter}%
20000 \@chapterlistsgap@on{#1}%
20001 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@
20002 \else
20003 \def\@tempb{section}%
20004 \ifx\@tempa\@tempb
20005 \@addtoreset{#1}{section}%
20006 \ifcsname c@chapter\endcsname
20007 \@addtoreset{#1}{chapter}%
20008 \@chapterlistsgap@on{#1}%
20009 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
20010 \else
20011 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsecti
20012 \fi
20013 \else
20014 \newfloat@Error{Invalid value `#2' for option `within'}%
20015 \fi
20016 \fi
20017 \fi}

```

122 File `nicematrix-xetex-bidi.def`

```

20018 \ProvidesFile{nicematrix-xetex-bidi.def}[2022/07/18 v0.2 bidi adaptations for nicematrix pa
20019 \ExplSyntaxOn
20020 \bidi@patchcmd{\__nicematrix_array:n}{\@tabarray}{%
20021 \bool_if:NF \l__nicematrix_NiceTabular_bool \@RTLtabfalse
20022 \@tabarray
20023 }{}{}
20024 \ExplSyntaxOff
20025

```

123 File `ntheorem-xetex-bidi.def`

```

20026 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem packag
20027 \gdef\@thm#1#2#3{%
20028 \if@thmmarks
20029 \stepcounter{end\InTheoType ctr}%
20030 \fi
20031 \renewcommand{\InTheoType}{#1}%
20032 \if@thmmarks
20033 \stepcounter{curr#1ctr}%
20034 \setcounter{end#1ctr}{0}%
20035 \fi
20036 \refstepcounter{#2}%
20037 \theorem@prework
20038 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
20039 \ifvmode \advance\thm@topsepadd\partopsep\fi
20040 \trivlist
20041 \@topsep \theorempreskipamount
20042 \@topsepadd \thm@topsepadd % used by \@endparenv
20043 \advance\linewidth -\theorem@indent
20044 \advance\@totalleftmargin \theorem@indent
20045 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi

```



```
20046 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}
```

124 File `ntheorem-hyper-xetex-bidi.def`

```
20047 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-
20048 \gdef\@thm#1#2#3{%
20049   \if@thmmarks
20050     \stepcounter{end\InTheoType ctr}%
20051   \fi
20052   \renewcommand{\InTheoType}{#1}%
20053   \if@thmmarks
20054     \stepcounter{curr#1ctr}%
20055     \setcounter{end#1ctr}{0}%
20056   \fi
20057   \refstepcounter{#2}%
20058   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
20059   \ifvmode \advance\thm@topsepadd\partopsep\fi
20060   \trivlist
20061   \@topsep \theorempreskipamount
20062   \@topsepadd \thm@topsepadd % used by \@endparenv
20063   \advance\linewidth -\theoremindent
20064   \advance\@totalleftmargin \theoremindent
20065   \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
20066   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}
```

125 File `overpic-xetex-bidi.def`

```
20067 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package
20068 \renewenvironment{overpic}[2][ ]{%
20069   \sbox{\z@}{\includegraphics[#1]{#2}}%
20070   \settodepth{\@tempcnta}{\usebox{\z@}}%
20071   \settoheight{\@tempcntb}{\usebox{\z@}}%
20072   \advance\@tempcntb\@tempcnta%
20073   \settowidth{\@tempcnta}{\usebox{\z@}}%
20074   \setlength{\@tempdima}{\unitlength}%
20075   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
20076 %
20077   \OVP@calc%
20078 %
20079   \begin{picture}(\@tempcnta,\@tempcntb)%
20080     \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
20081     \ifGin@grid%
20082       \put(0,0){\normalfont\fontsize\@viipt\@viiipt\selectfont%
20083         \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
20084     \fi\fi%
20085     % reset the graphics parameter
20086     \let\Gin@outer@scalex\relax
20087     \let\Gin@outer@scaley\relax
20088     \let\Gin@angle\relax
20089     \let\Gin@ewidth\Gin@exclamation
20090     \let\Gin@eheight\Gin@ewidth
20091     \def\Gin@scalex{1}
20092     \let\Gin@scaley\Gin@exclamation
20093   }\fi}
```




```

20094 \if@RTL\ifGin@grid%
20095 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
20096 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
20097 \fi%
20098 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
20099 \end{picture}%
20100 }%

```

126 File pdfbase-xetex-bidi.def

```

20101 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package
20102 \ExplSyntaxOn
20103 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
20104 \cs_set_nopar:Npn\@outputpage{
20105 \int_gincr:N\g_pbs_page_int
20106 \box_if_vertical:cTF{\outputbox}{
20107 \bool_set_true:N\l_pbs_is_vertical_bool
20108 }{
20109 \bool_set_false:N\l_pbs_is_vertical_bool
20110 }
20111 \hbox_set:Nn\@outputbox{
20112 %begin of page
20113 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
20114 \box_use_drop:N\@outputbox
20115 %end of page
20116 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
20117 }
20118 \bool_if:NT\l_pbs_is_vertical_bool{
20119 \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
20120 }
20121 \pbs_outputpage_orig:
20122 }
20123 \ExplSyntaxOff

```

127 File pdfscape-xetex-bidi.def

```

20124 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape pack
20125 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
20126 \if@RTL
20127 \PLS@Rotate{-90}%
20128 \else
20129 \PLS@Rotate{90}%
20130 \fi
20131 }-{}-{}

```

128 File pdfpages-xetex-bidi.def

```

20132 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages packag
20133 \renewcommand*\includepdf}[2][{}]{%
20134 \begingroup
20135 \@RTLfalse
20136 \let\AM@threadname\relax
20137 \AM@split@options{pdfpages}{#1}%
20138 \edef\AM@temp{\{pdfpages\}\the\@temptokena}}%

```



```

20139 \expandafter\setkeys\AM@temp
20140 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
20141   \let\AM@currentdocname\relax
20142   \renewcommand\includegraphics[2][]{Survey in draft-mode}%
20143   \def\AM@pagecount{0}%
20144 }{%
20145   \AM@findfile{#2}%
20146   \if\AM@threadname\relax
20147     \def\AM@threadname{\AM@currentdocname}%
20148   \fi
20149 }%
20150 \ifAM@survey
20151   \def\AM@pagestemp{%
20152     \@tempcnta=0
20153     \def\foo{%
20154       \ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
20155         {\let\foo\relax}
20156         {\expandafter\ifx\expandafter\\\AM@pagestemp\
20157           \edef\AM@pagestemp{%
20158             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
20159           \else
20160             \edef\AM@pagestemp{\AM@pagestemp,%
20161               \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
20162           \fi
20163           \advance\@tempcnta 1\relax
20164         }%
20165       \foo
20166     }%
20167     \foo
20168     \expandafter\ifx\expandafter\\\AM@pagestemp\
20169     \def\AM@pagestemp{1}%
20170     \fi
20171   \fi
20172   \ifAM@output
20173     \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
20174     \AM@output{#1}%
20175   \fi
20176   \AM@CheckAtEnd
20177 \endgroup
20178 \AM@ClearShipoutPicture
20179 }

```

129 File pgfcorescopes.code-xetex-bidi.def

```

20180 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf p
20181 \def\pgfpicture{%
20182   \begingroup%
20183   \ifmode\else\@RTLfalse\beginL\fi%
20184   \pgfpicturetrue%
20185   \global\advance\pgf@picture@serial@count by1\relax%
20186   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
20187   \let\pgf@nodecallback=\pgfutil@gobble%
20188   \pgf@picmaxx=-16000pt\relax%
20189   \pgf@picminx=16000pt\relax%

```



```

20190 \pgf@picmaxy=-16000pt\relax%
20191 \pgf@picminy=16000pt\relax%
20192 \pgf@relevantforpicturesizetrue%
20193 \pgf@resetpathsizes%
20194 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
20195 \def\endpgfpicture{%
20196 \ifpgfrememberpicturepositiononpage%
20197 \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
20198 \fi%
20199 % ok, now let's position the box
20200 \ifdim\pgf@picmaxx=-16000pt\relax%
20201 % empty picture. make size 0.
20202 \global\pgf@picmaxx=0pt\relax%
20203 \global\pgf@picminx=0pt\relax%
20204 \global\pgf@picmaxy=0pt\relax%
20205 \global\pgf@picminy=0pt\relax%
20206 \fi%
20207 % Shift baseline outside:
20208 \pgf@relevantforpicturesizefalse%
20209 \pgf@process{\pgf@baseline}%
20210 \xdef\pgf@shift@baseline{\the\pgf@y}%
20211 %
20212 \pgf@process{\pgf@trimleft}%
20213 \global\advance\pgf@x by-\pgf@picminx
20214 % prepare \hskip\pgf@trimleft@final.
20215 % note that \pgf@trimleft@final is also queried
20216 % by the pgf image externalization.
20217 \xdef\pgf@trimleft@final{-\the\pgf@x}%
20218 %
20219 \pgf@process{\pgf@trimright}%
20220 \global\advance\pgf@x by-\pgf@picmaxx
20221 % prepare \hskip\pgf@trimright@final.
20222 % note that \pgf@trimright@final is also queried
20223 % by the pgf image externalization.
20224 \xdef\pgf@trimright@final{\the\pgf@x}%
20225 %
20226 \pgf@remember@layerlist@globally
20227 \endgroup%
20228 \hss%
20229 \egroup%
20230 \pgf@restore@layerlist@from@global
20231 \pgf@insertlayers%
20232 \endgroup%
20233 \pgfsys@discardpath%
20234 \endgroup%
20235 \pgfsys@endscope%
20236 \pgfsys@endpicture%
20237 \endgroup%
20238 \hss
20239 \egroup%
20240 \pgfsys@typesetpicturebox\pgfpic%
20241 \ifmode\else\endL\fi%
20242 \endgroup%
20243 }

```



130 File pgfsys.code-xetex-bidi.def

```
20244 \ProvidesFile{pgfsys.code-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for pgfsys.code.
20245 \def\pgfsys@shadingoutsidepgfpicture#1{%
20246   \beginL#1\endL%
20247 }
20248
20249
```

131 File picinpar-xetex-bidi.def

```
20250 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar packag
20251 \long\def\@makewincaption#1#2{%
20252   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
20253   \ifdim\wd\@tempboxa>\picwd
20254     {\footnotesize{\bf #1:\enspace}{#2\par}}
20255   \else
20256     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
20257   \fi}
20258 \def\endwindow{%
20259   \global\tcd=\tcdsav
20260   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
20261   \vbadness=10000
20262   \splittopskip=0pt
20263 %
20264 % Typeset the lines above the window
20265 %
20266 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
20267 \tcn=\tcd
20268 \loop\advance\tcn -1
20269 \setbox\fslice=\vsplit\holder to\baselineskip
20270 \prune\fslice\linewidth
20271 \topheight=0pt
20272 \ifnum\dp\fslice>\dp\wstrutbox
20273   \advance\topheight-\dp\fslice
20274   \advance\topheight\dp\wstrutbox
20275   \advance\topheight\ilg\fi
20276 \hbox to\linewidth{\box\fslice}
20277 \vskip-\topheight
20278 \ifdim\ht\holder>0pt\repeat
20279 \fi
20280 %
20281 % Now we build the boxes beside the window
20282 %
20283 \global\topheight=\tcl\baselineskip
20284 \ifnum\cumpartcl>0\global\tcl=\cumtcl
20285   \global\topheight=\vpic
20286 \fi
20287 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
20288 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
20289 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
20290 \tcn=\tcl \na=0 \nb=0
20291 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
20292 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
```



```

20293 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
20294 \ifnum\na=0\ifnum\nb=0
20295     \setbox\waslice=\vbox to\vpic{\vss}
20296     \setbox\wbslice=\vbox to\vpic{\vss}
20297     \bl=1\br=1
20298     \vskip\ilg
20299 \fi\fi
20300 %
20301 % both sides
20302 %
20303 \ifnum\na>0 \ifnum\nb>0
20304 \loop\advance\nb -1
20305 \advance\na -1
20306 \if@RTL%
20307 \setbox\bslice=\vsplit\holder to\baselineskip
20308 \prune\bslice\rtside
20309 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20310 to\rtside{\box\bslice\hfil}}
20311 \setbox\aslice=\vsplit\holder to\baselineskip
20312 \prune\aslice\lftside
20313 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20314 to\lftside{\box\aslice\hfil}}
20315 \else%
20316 \setbox\aslice=\vsplit\holder to\baselineskip
20317 \prune\aslice\lftside
20318 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20319 to\lftside{\box\aslice\hfil}}
20320 \setbox\bslice=\vsplit\holder to\baselineskip
20321 \prune\bslice\rtside
20322 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20323 to\rtside{\box\bslice\hfil}}
20324 \fi%
20325 \ifnum\nb>0\repeat
20326 \fi\fi
20327 %
20328 % only text on the left side
20329 %
20330 \ifnum\na>0
20331     \loop\advance\na -1
20332     \setbox\aslice=\vsplit\holder to\baselineskip
20333     \prune\aslice\lftside
20334     \setbox\waslice=\vbox{\unvbox\waslice\hbox
20335     to\lftside{\box\aslice\hfil}}
20336     \ifdim\ht\holder>Opt\repeat
20337 \fi
20338 %
20339 % only text on the right side
20340 %
20341 \ifnum\nb>0
20342     \loop\advance\nb -1
20343     \setbox\bslice=\vsplit\holder to\baselineskip
20344     \prune\bslice\rtside
20345     \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20346     to\rtside{\box\bslice\hfil}}

```



```

20347 \ifdim\ht\holder>0pt\repeat
20348 \fi
20349 %
20350 % fixing the dimensions of the window part
20351 %
20352 \ifnum\bl=0\topheight=\ht\wbslice
20353 \else\ifnum\br=0\topheight=\ht\waslice
20354 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
20355 \else\topheight=\ht\wbslice\fi\fi\fi
20356 %
20357 % ship out the window material to the main vertical list
20358 %
20359 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
20360 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
20361 \fi\fi\fi
20362 \setbox>windowbox=\vbox{\hbox to\linewidth{%
20363 \ifnum\bl>0\box\waslice\hfill\fi%
20364 \vbox to\topheight{\hrule width\picwd heightOpt depthOpt\vskipOpt%
20365 \vfill\unvbox\picbox%
20366 \ifnum\picwd>0\vfill\fi%
20367 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
20368 \unvbox>windowbox%
20369 \loop
20370 \setbox\bslice=\vsplit\rawtext to\baselineskip
20371 \prune\bslice\linewidth
20372 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
20373 \unvbox\wbslice
20374 \ifdim\ht\rawtext>0pt
20375 \repeat
20376 }% FINITO

```

132 File plain-xetex-bidi.def

```

20377 \def\TeXeTOn{\TeXeTstate=1 }
20378 \def\TeXeTOff{\TeXeTstate=0 }
20379 \TeXeTOn
20380 \def\usebox#1{\leavevmode\copy #1\relax}
20381 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\useb
20382 \let\bidi@o@everypar=\everypar
20383 \newtoks\bidi@n@everypar
20384 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20385 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20386 \let\everypar=\bidi@n@everypar
20387 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20388 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20389 \protected\def\hboxR{\hbox\bgroup
20390 \everyhbox{%
20391 \aftergroup\egroup
20392 \everyhbox{}}%
20393 \beginR
20394 \@hboxRconstructtrue
20395 \bgroup
20396 \aftergroup\endR
20397 \aftergroup\egroup

```



```

20398 } \hbox}
20399 \protected\def\hboxL{\hbox\bgroup
20400 \everyhbox{%
20401 \aftergroup\egroup
20402 \everyhbox{}}%
20403 \beginL
20404 \@hboxRconstructfalse
20405 \bgroup
20406 \aftergroup\endL
20407 \aftergroup\egroup
20408 } \hbox}
20409 \protected\def\vboxR{\vbox\bgroup
20410 \everyvbox{%
20411 \aftergroup\egroup
20412 \everyvbox{}}%
20413 \@RTLtrue
20414 \bgroup
20415 \aftergroup\egroup
20416 } \vbox}
20417 \protected\def\vboxL{\vbox\bgroup
20418 \everyvbox{%
20419 \aftergroup\egroup
20420 \everyvbox{}}%
20421 \@RTLfalse
20422 \bgroup
20423 \aftergroup\egroup
20424 } \vbox}
20425 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
20426 \def\endLTR{\par}
20427 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
20428 \def\endRTL{\par}
20429 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
20430 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
20431 \let\unsetRTL=\setLTR
20432 \let\unsetLTR=\setRTL
20433 \let\LR=\LRE
20434 \let\RL=\RLE
20435 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20436 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20437 \let\@ensure@RL=\@ensure@RTL
20438 \let\@ensure@LR=\@ensure@LTR
20439 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20440 \let\@ensure@maindir=\@ensure@dir
20441 \def\@RTL{RTL}
20442 \def\@LTR{LTR}
20443 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20444 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
20445 \let\@TeX\TeX
20446 \def\TeX{\@ensure@LTR{\@TeX}}
20447 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi}
20448 \dimen@=\dp\@cc1v \unvbox\@cc1v % open up \box255
20449 \ifvoid\footins\else % footnote info is present
20450 \vskip\skip\footins
20451 \footnoterule

```



```

20452 \unvbox\footins\fi
20453 \ifr@ggedbottom \kern-\dimen@ \vfil \fi
20454 \ifvoid@bidi@copyins@
20455 \else
20456 \vskip\skip@\bidi@copyins@
20457 \unvbox@\bidi@copyins@
20458 \fi
20459 }
20460 \long\def\bidi@reflect@box#1{%
20461 \leavevmode
20462 \setbox\z@\hbox{{#1}}%
20463 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:gestor
20464 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}}%
20465 }
20466 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20467 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20468 \let\setRL=\setRTL
20469 \let\setLR=\setLTR
20470 \let\unsetRL=\setLTR
20471 \let\bidi@samed@eqno=\eqno
20472 \let\bidi@samed@leqno=\leqno
20473 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@samed@leqno \else \bidi@samed@eqno \fi}
20474 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@samed@leqno \else \bidi@samed@leqno \fi}
20475 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20476 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20477 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

133 File pstricks-xetex-bidi.def

```

20478 \ProvidesFile{pstricks-xetex-bidi.def}[2022/09/22 v0.6 bidi adaptations for pstricks package]
20479 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
20480 \def\endpspicture{%
20481 \ifshowgrid\ifnum\showgrid@s>0
20482 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
20483 \pst@killglue
20484 % \global\pst@shift=\pst@shift% in fact of the following endgroup
20485 \endgroup
20486 \egroup
20487 \ifdim\wd\pst@hbox=\z@\else
20488 %\@pstrickserr{Extraneous space in the pspicture environment}%
20489 %\Type \space <return> \space to proceed.}%
20490 \fi
20491 \ht\pst@hbox=\pst@dimd
20492 \dp\pst@hbox=-\pst@dimb
20493 \setbox\pst@hbox=\hbox{%
20494 \kern-\pst@dimd
20495 % Orig version -----
20496 %\ifx\pst@tempa\@empty\else
20497 %\advance\pst@dimd-\pst@dimb
20498 %\pst@dimd=\pst@tempa\pst@dimd
20499 %\advance\pst@dimd\pst@dimb
20500 %\lower\pst@dimd
20501 %\fi
20502 %----- end Orig

```




```

20503 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
20504 \advance\pst@dimd-\pst@dimb
20505 \pst@dimd=0.5\pst@dimd
20506 \else\pst@dimd-\pst@shift\fi
20507 \advance\pst@dimd\pst@dimb
20508 \lower\pst@dimd
20509 \box\pst@hbox
20510 \kern\pst@dimc}%
20511 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
20512 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
20513 \fbboxsep=0pt
20514 \fbbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
20515 \ifmmode\else\endL\fi
20516 \endgroup%
20517 \psset[pstricks]{shift=0}% reset value
20518 }
20519
20520 \bidi@patchcmd\@@scalebox{%
20521 \special{x: bscale \pst@tempc \pst@tempd}%
20522 \hbox to \z@{\box\pst@hbox\hss}%
20523 \special{x: escale}%
20524 }{%
20525 \if@RTL
20526 \special{x: escale}%
20527 \else
20528 \special{x: bscale \pst@tempc \pst@tempd}%
20529 \fi
20530 \hbox to \z@{\box\pst@hbox\hss}%
20531 \if@RTL
20532 \special{x: bscale \pst@tempc \pst@tempd}%
20533 \else
20534 \special{x: escale}%
20535 \fi
20536 }{}
20537 \let\ps@@scalebox\@@scalebox
20538

```

134 File quotchap-xetex-bidi.def

```

20539 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
20540 \renewcommand{\qauthor}[1]{%
20541 \par\smallskip
20542 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}
20543 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
20544 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
20545 {\chapnumfont
20546 \ifnum \c@secnumdepth >\m@ne%
20547 \if@mainmatter\thechapter%
20548 \fi\fi
20549 \par\nobreak}%
20550 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi
20551 \nobreak\chapterheadendvskip}}
20552 \renewcommand*{\@iprintcites}{%
20553 \vbox to\z@{\leavevmode\copy\@quotebox\vss}

```



20554 \global\let\@printcites\relax}

135 File ragged2e-xetex-bidi.def

```
20555 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e packag
20556 \renewcommand{\Centering}{%
20557   \ifx\\@raggedtwoe@savedcr
20558     \let\\@centercr
20559   \fi
20560   \let\@gnewline\@raggedtwoe@gnewline
20561   \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
20562   \@rightskip\CenteringRightskip
20563   \if@RTL\leftskip\else\rightright\fi\@rightskip
20564   \parfillskip\CenteringParfillskip
20565   \parindent\CenteringParindent
20566   \@raggedtwoe@spaceskiptrue
20567   \@raggedtwoe@everyselectfont
20568 }
20569 \renewcommand{\RaggedLeft}{%
20570   \ifx\\@raggedtwoe@savedcr
20571     \let\\@centercr
20572   \fi
20573   \let\@gnewline\@raggedtwoe@gnewline
20574   \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
20575   \@rightskip\RaggedLeftRightskip
20576   \if@RTL\leftskip\else\rightright\fi\@rightskip
20577   \parfillskip\RaggedLeftParfillskip
20578   \parindent\RaggedLeftParindent
20579   \@raggedtwoe@spaceskiptrue
20580   \@raggedtwoe@everyselectfont
20581 }
20582 \renewcommand{\RaggedRight}{%
20583   \ifx\\@raggedtwoe@savedcr
20584     \let\\@centercr
20585   \fi
20586   \let\@gnewline\@raggedtwoe@gnewline
20587   \if@RTL\rightright\else\leftskip\fi\RaggedRightLeftskip
20588   \@rightskip\RaggedRightRightskip
20589   \if@RTL\leftskip\else\rightright\fi\@rightskip
20590   \parfillskip\RaggedRightParfillskip
20591   \parindent\RaggedRightParindent
20592   \@raggedtwoe@spaceskiptrue
20593   \@raggedtwoe@everyselectfont
20594 }
20595 \renewcommand{\justifying}{%
20596   \let\\@raggedtwoe@savedcr
20597   \let\@gnewline\@raggedtwoe@saved@gnewline
20598   \if@RTL\rightright\else\leftskip\fi\z@
20599   \@rightskip\z@
20600   \if@RTL\leftskip\else\rightright\fi\@rightskip
20601   \parfillskip\JustifyingParfillskip
20602   \parindent\JustifyingParindent
20603   \@raggedtwoe@spaceskipfalse
20604   \@raggedtwoe@everyselectfont
```



```

20605 }
20606 \def\@raggedtwo@raggedrightboxes@opt{%
20607 \renewcommand{\@arrayparboxrestore}{%
20608 \let\if@nobreak\iffalse
20609 \let\if@noskipsec\iffalse
20610 \let\par\@par
20611 \let\-\@dischyph
20612 \let'\@acci\let\`@\accii\let\=\@acciii
20613 \parskip\z@skip
20614 \everypar{}%
20615 \linewidth\hsize
20616 \@totalleftmargin\z@
20617 \if@RTL
20618 \RaggedLeft
20619 \else
20620 \RaggedRight
20621 \fi
20622 \lineskip\normallineskip
20623 \baselineskip\normalbaselineskip
20624 \sloppy}%
20625 \let\@raggedtwo@raggedrightboxes@opt\relax
20626 }
20627 \def\@raggedtwo@document@opt{%
20628 \AtBeginDocument{\@raggedtwo@abdhook}%
20629 \@raggedtwo@raggedrightboxes@opt
20630 \@raggedtwo@footmiscTRUE
20631 \let\@raggedtwo@document@opt\relax
20632 }
20633 \def\@raggedtwo@abdhook{%
20634 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
20635 right to left documents and '\string\RaggedRight' for left
20636 to right documents}%
20637 \if@RTL
20638 \RaggedLeft
20639 \else
20640 \RaggedRight
20641 \fi
20642 \@ifundefined{@tocrmarg}{\edef\tocrmarg{\tocrmarg plus 2em}}%
20643 \let\@raggedtwo@abdhook\relax
20644 }
20645 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
20646 \@raggedtwo@raggedrightboxes@opt
20647 }{}
20648 \@ifpackagewith{ragged2e}{document}{%
20649 \@raggedtwo@document@opt
20650 }{}
20651 \let\origin@RaggedLeft=\RaggedLeft
20652 \let\origin@RaggedRight=\RaggedRight
20653 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
20654 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

136 File rapport1-xetex-bidi.def

```
20655 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class
```



```

20656 \renewenvironment{theindex}{%
20657   \if@twocolumn
20658     \@restonecolfalse
20659   \else
20660     \@restonecoltrue
20661   \fi
20662   \columnseprule \z@
20663   \columnsep 35\p@
20664   \twocolumn[\@makeschapterhead{\indexname}]%
20665   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20666   \thispagestyle{plain}\parindent\z@
20667   \parskip\z@ \@plus .3\p@\relax
20668   \let\item\@idxitem
20669 }{%
20670   \if@restonecol\onecolumn\else\clearpage\fi}
20671 \renewcommand*{\head@style}{%
20672   \interlinepenalty \@M
20673   \hyphenpenalty=\@M \exhyphenpenalty=\@M
20674   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
20675 \if@titlepage
20676   \renewenvironment{abstract}{%
20677     \titlepage
20678     \null\vfil
20679     \section*{\SectFont\abstractname}%
20680     \noindent\ignorespaces
20681     {\par\vfil\null\endtitlepage}
20682   \else
20683     \renewenvironment{abstract}{%
20684       \if@twocolumn
20685         \section*{\abstractname}%
20686       \else
20687         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
20688         \section*{\small\SectFont\abstractname}%
20689         \noindent\ignorespaces
20690       \fi}
20691     {\if@twocolumn\else\par\egroup\fi}
20692 \fi
20693 \renewcommand*{\@regtocline}[3]{%
20694   \ifnum #1>\c@tocdepth
20695   \else
20696     \vskip\z@\@plus.2\p@
20697     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
20698     \if@RTL\rightskip\else\leftskip\fi\unitindent
20699     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
20700     \parfillskip\z@
20701     \@tempdima\unitindent
20702     \parindent\z@
20703     \leavevmode
20704     \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
20705     \hskip 1em \nobreak{\slshape #3}\par
20706     }%
20707   \fi}
20708 \if@oldtoc
20709 \renewcommand*\l@part[2]{%

```



```

20710 \ifnum \c@tocdepth >-2\relax
20711 \addpenalty{-\@highpenalty}%
20712 \addvspace{2.25em \@plus\p@}%
20713 \begingroup
20714 \setlength\@tempdima{3em}%
20715 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20716 \parfillskip -\@pnumwidth
20717 {\leavevmode
20718 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
20719 \nobreak
20720 \global\@nobreaktrue
20721 \everypar{\global\@nobreakfalse\everypar{}}%
20722 \endgroup
20723 \fi}
20724 \else
20725 \renewcommand*\l@part{%
20726 \ifnum \c@tocdepth >-2\relax
20727 \addpenalty{-\@highpenalty}%
20728 \addvspace{2.25em \@plus \p@}%
20729 \@regtocline{0}%
20730 \fi}
20731 \fi
20732 \if@oldtoc
20733 \renewcommand*\l@chapter [2]{%
20734 \addpenalty{-\@highpenalty}%
20735 \vskip 1.0em \@plus\p@
20736 \setlength\@tempdima{1.5em}%
20737 \begingroup
20738 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20739 \parfillskip -\@pnumwidth
20740 \leavevmode \bfseries
20741 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
20742 \hskip -\if@RTL\rightskip\else\leftskip\fi
20743 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
20744 \penalty\@highpenalty
20745 \endgroup}
20746 \else
20747 \renewcommand*\l@chapter{\@regtocline{0}}
20748 \fi
20749 \renewcommand*\left@footnoterule{%
20750 \kern-3\p@
20751 \kern.5\baselineskip
20752 \hrule\@width\unitindent
20753 \kern.4\baselineskip
20754 }
20755 \renewcommand*\right@footnoterule{%
20756 \kern-3\p@
20757 \kern.5\baselineskip
20758 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
20759 \kern.4\baselineskip}
20760 \renewenvironment{thebibliography}[1]
20761 {\chapter*{\bibname}%
20762 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
20763 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```



```

20764 \bidi@thebibliography@font@hook%
20765 \list{\@biblabel{\@arabic\c@enumiv}}%
20766     {\settowidth\labelwidth{\@biblabel{#1}}%
20767      \leftmargin\labelwidth
20768      \advance\leftmargin\labelsep
20769      \@openbib@code
20770      \usecounter{enumiv}%
20771      \let\p@enumiv\empty
20772      \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
20773 \sloppy\clubpenalty4000\widowpenalty4000%
20774 \sfcode`..\@m}
20775 {\def\@noitemerr
20776  {\@latex@warning{Empty `thebibliography' environment}}%
20777  \endlist}
20778 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
20779 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
20780 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
20781 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20782 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
20783 \renewcommand*\theequation{%
20784  \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
20785 \renewcommand*\thefigure{%
20786  \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
20787 \renewcommand*\thetable{%
20788  \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
20789 \if@titlepage
20790 \renewcommand*\TitleFont{\rmfamily}
20791 \renewcommand*\maketitle{%
20792  \begin{titlepage}%
20793    \let\footnotesize\small
20794    \let\right@footnoterule\relax
20795    \let\left@footnoterule\relax
20796    \let\textwidth@footnoterule\relax
20797    \let \footnote \thanks
20798    \long\def\@makefnmark##1{\parindent\z@
20799      \def\labelitemi{\textendash}\@revlabeltrue
20800      \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20801 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20802 \if@compatibility\setcounter{page}{0}\fi
20803 \null\vfil
20804 \vskip 60\p@
20805 \begin{center}%
20806   \TitleFont
20807   {\LARGE \def\\{\penalty -\@M}
20808     \if@allcaps
20809       \expandafter\uc@nothanks\@title\thanks\relax
20810       \else
20811         \@title
20812         \fi\par}%
20813   \vskip 3em%
20814   {\large
20815     \lineskip .75em \parindent\z@
20816     \begin{tabular}[t]{c}%
20817       \if@allcaps

```



```

20818         \expandafter\uc@authornothanks \@author\and\relax
20819         \else
20820         \ @author
20821         \fi
20822     \end{tabular}\par}%
20823 \vskip 1.5em%
20824 {\large
20825 \if@allcaps
20826     \uppercase\expandafter{\@date}%
20827     \else
20828     \@date
20829     \fi\par}%
20830 \end{center}\par
20831 \@thanks
20832 \vfil\null
20833 \end{titlepage}%
20834 \setcounter{footnote}{0}%
20835 \global\let\thanks\relax
20836 \global\let\maketitle\relax
20837 \global\let\@thanks\@empty
20838 \global\let\@author\@empty
20839 \global\let\@title\@empty
20840 \global\let\@date\@empty
20841 \global\let\title\relax
20842 \global\let\author\relax
20843 \global\let\date\relax
20844 \global\let\and\relax
20845 }
20846 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
20847 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
20848     \futurelet\@tempa\uc@ax}
20849 \def\uc@ax{%
20850     \ifx\@tempa\relax
20851     \else
20852     \ \andname \ \ \expandafter\uc@authornothanks
20853     \fi}
20854 \def\uc@tx{\ifx\@tempa\relax
20855     \else \expandafter\uc@ty \fi}
20856 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
20857 \else
20858 \renewcommand*\maketitle{\par
20859     \begingroup
20860     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20861     \def\@makefnmark{\rlap{%
20862         \@textsuperscript{\normalfont\@thefnmark}}}%
20863     \long\def\@makefntext{\@xmakefntext{%
20864         \@textsuperscript{\normalfont\@thefnmark}}}%
20865     \if@twocolumn
20866     \ifnum \col@number=\@one
20867     \ @maketitle
20868     \else
20869     \twocolumn[\@maketitle]%
20870     \fi
20871     \else

```



```

20872 \newpage
20873 \global\@topnum\z@
20874 \@maketitle
20875 \fi
20876 \thispagestyle{plain}\@thanks
20877 \endgroup
20878 \setcounter{footnote}{0}%
20879 \global\let\thanks\relax
20880 \global\let\maketitle\relax
20881 \global\let\@maketitle\relax
20882 \global\let\@thanks\@empty
20883 \global\let\@author\@empty
20884 \global\let\@title\@empty
20885 \global\let\@date\@empty
20886 \global\let\title\relax
20887 \global\let\author\relax
20888 \global\let\date\relax
20889 \global\let\and\relax
20890 }
20891 \def\@maketitle{%
20892 \newpage
20893 \null
20894 \vskip 2em%
20895 \begin{center}%
20896 \let \footnote \thanks
20897 {\LARGE \TitleFont \@title \par}%
20898 \vskip 1.5em%
20899 {\large \TitleFont
20900 \lineskip .5em%
20901 \begin{tabular}[t]{c}%
20902 \@author
20903 \end{tabular}\par}%
20904 \vskip 1em%
20905 {\large \TitleFont \@date}%
20906 \end{center}%
20907 \par
20908 \vskip 1.5em}
20909 \fi

```

137 File rapport3-xetex-bidi.def

```

20910 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class]
20911 \renewenvironment{theindex}{%
20912 \if@twocolumn
20913 \@restonecolfalse
20914 \else
20915 \@restonecoltrue
20916 \fi
20917 \columnseprule \z@
20918 \columnsep 35\p@
20919 \twocolumn[\@makeschapterhead{\indexname}]%
20920 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20921 \thispagestyle{plain}\parindent\z@
20922 \parskip\z@ \@plus .3\p@\relax

```




```

20923 \let\item\@idxitem
20924 }{%
20925 \if@restonecol\onecolumn\else\clearpage\fi}
20926 \if@titlepage
20927 \renewcommand*\TitleFont{\rmfamily}
20928 \renewcommand*\maketitle{%
20929 \begin{titlepage}%
20930 \let\footnotesize\small
20931 \let\right@footnoterule\relax
20932 \let\left@footnoterule\relax
20933 \let\textwidth@footnoterule\relax
20934 \let \footnote \thanks
20935 \let \LTRfootnote \LTRthanks
20936 \let \RTLfootnote \RTLthanks
20937 \long\def\@makefntext##1{\parindent\z@
20938 \def\labelitemi{\textendash}\@revlabeltrue
20939 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20940 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20941 \if@compatibility\setcounter{page}{0}\fi
20942 \null\vfil
20943 \vskip 60\p@
20944 \begin{center}%
20945 \TitleFont
20946 {\LARGE \def\\{\penalty -\@M}
20947 \if@allcaps
20948 \expandafter\uc@nothanks\@title\thanks\relax
20949 \else
20950 \@title
20951 \fi\par}%
20952 \vskip 3em%
20953 {\large
20954 \lineskip .75em \parindent\z@
20955 \begin{tabular}[t]{c}%
20956 \if@allcaps
20957 \expandafter\uc@authornothanks\@author\and\relax
20958 \else
20959 \@author
20960 \fi
20961 \end{tabular}\par}%
20962 \vskip 1.5em%
20963 {\large
20964 \if@allcaps
20965 \uppercase\expandafter{\@date}%
20966 \else
20967 \@date
20968 \fi\par}%
20969 \end{center}\par
20970 \@thanks
20971 \vfil\null
20972 \end{titlepage}%
20973 \setcounter{footnote}{0}%
20974 \global\let\thanks\relax
20975 \global\let\LTRthanks\relax
20976 \global\let\RTLthanks\relax

```



```

20977 \global\let\maketitle\relax
20978 \global\let\@thanks\@empty
20979 \global\let\@author\@empty
20980 \global\let\@title\@empty
20981 \global\let\@date\@empty
20982 \global\let\title\relax
20983 \global\let\author\relax
20984 \global\let\date\relax
20985 \global\let\and\relax
20986 }
20987 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
20988 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
20989 \futurelet\@tempa\uc@ax}
20990 \def\uc@ax{%
20991 \ifx\@tempa\relax
20992 \else
20993 \ \ \andname \ \ \expandafter\uc@authornothanks
20994 \fi}
20995 \def\uc@tx{\ifx\@tempa\relax
20996 \else \expandafter\uc@ty \fi}
20997 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
20998 \else
20999 \renewcommand*\maketitle{\par
21000 \begingroup
21001 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21002 \def\@makefnmark{\rlap{%
21003 \@textsuperscript{\normalfont\@thefnmark}}}%
21004 \long\def\@makefntext{\@xmakefntext{%
21005 \@textsuperscript{\normalfont\@thefnmark}}}%
21006 \if@twocolumn
21007 \ifnum \col@number=\@ne
21008 \@maketitle
21009 \else
21010 \twocolumn[\@maketitle]%
21011 \fi
21012 \else
21013 \newpage
21014 \global\@topnum\z@
21015 \@maketitle
21016 \fi
21017 \thispagestyle{plain}\@thanks
21018 \endgroup
21019 \setcounter{footnote}{0}%
21020 \global\let\thanks\relax
21021 \global\let\LTRthanks\relax
21022 \global\let\RTLthanks\relax
21023 \global\let\maketitle\relax
21024 \global\let\@maketitle\relax
21025 \global\let\@thanks\@empty
21026 \global\let\@author\@empty
21027 \global\let\@title\@empty
21028 \global\let\@date\@empty
21029 \global\let\title\relax
21030 \global\let\author\relax

```



```

21031 \global\let\date\relax
21032 \global\let\and\relax
21033 }
21034 \def\@maketitle{%
21035 \newpage
21036 \null
21037 \vskip 2em%
21038 \if@titlecentered
21039 \begin{center}%
21040 \let \footnote \thanks
21041 \let \LTRfootnote \LTRthanks
21042 \let \RTLfootnote \RTLthanks
21043 {\LARGE \TitleFont \@title \par}%
21044 \vskip 1.5em%
21045 {\large \TitleFont
21046 \lineskip .5em%
21047 \begin{tabular}[t]{c}%
21048 \@author
21049 \end{tabular}\par}%
21050 \vskip 1em%
21051 {\large \TitleFont \@date}%
21052 \end{center}%
21053 \else
21054 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
21055 {\large \TitleFont \lineskip .5em \tabcolsep\z@
21056 \def\and{%% \begin{tabular} has already started
21057 \end{tabular}\hskip 1em plus .17fil
21058 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tab
21059 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}
21060 \vskip 1em {\large \TitleFont \@date}
21061 \fi
21062 \par
21063 \vskip 1.5em}
21064 \fi
21065 \renewcommand*\@regtocline[3]{%
21066 \ifnum #1>\c@tocdepth
21067 \else
21068 \vskip\z@\@plus.2\p@
21069 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
21070 \if@RTL\righskip\else\leftskip\fi\unitindent
21071 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
21072 \parfillskip\z@
21073 \@tempdima\unitindent
21074 \parindent\z@
21075 \leavevmode
21076 \hbox{} \hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
21077 \hskip 1em \nobreak{\slshape #3}\par
21078 }%
21079 \fi}
21080 \if@oldtoc
21081 \renewcommand*\l@part[2]{%
21082 \ifnum \c@tocdepth >-2\relax
21083 \addpenalty{-\@highpenalty}%
21084 \addvspace{2.25em \@plus\p@}%

```



```

21085 \beginngroup
21086 \setlength\@tempdima{3em}%
21087 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21088 \parfillskip -\@pnumwidth
21089 {\leavevmode
21090 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21091 \nobreak
21092 \global\@nobreaktrue
21093 \everypar{\global\@nobreakfalse\everypar{}}%
21094 \endgroup
21095 \fi}
21096 \else
21097 \renewcommand*\l@part{%
21098 \ifnum \c@tocdepth >-2\relax
21099 \addpenalty{-\@highpenalty}%
21100 \advspace{2.25em \@plus \p@}%
21101 \@regtocline{0}%
21102 \fi}
21103 \fi
21104 \if@oldtoc
21105 \renewcommand*\l@chapter[2]{%
21106 \addpenalty{-\@highpenalty}%
21107 \vskip 1.0em \@plus \p@
21108 \setlength\@tempdima{1.5em}%
21109 \beginngroup
21110 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21111 \parfillskip -\@pnumwidth
21112 \leavevmode \bfseries
21113 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21114 \hskip -\if@RTL\rightskip\else\leftskip\fi
21115 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21116 \penalty\@highpenalty
21117 \endgroup}
21118 \else
21119 \renewcommand*\l@chapter{\@regtocline{0}}
21120 \fi
21121 \renewcommand*\head@style{%
21122 \interlinepenalty \@M
21123 \hyphenpenalty=\@M \exhyphenpenalty=\@M
21124 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
21125 \if@titlepage
21126 \renewenvironment{abstract}{%
21127 \titlepage
21128 \null\vfil
21129 \section*{\SectFont\abstractname}%
21130 \noindent\ignorespaces}
21131 {\par\vfil\null\endtitlepage}
21132 \else
21133 \renewenvironment{abstract}{%
21134 \if@twocolumn
21135 \section*\abstractname}%
21136 \else
21137 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
21138 \section*\small\SectFont\abstractname}%

```



```

21139     \noindent\ignorespaces
21140     \fi}
21141     {\if@twocolumn\else\par\egroup\fi}
21142 \fi
21143 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
21144 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
21145 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
21146 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
21147 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
21148 \renewcommand*\thefigure{%
21149   \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@figure}
21150 \renewcommand*\thetable{%
21151   \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@table}
21152 \renewcommand*\theequation{%
21153   \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@equation}
21154 \renewenvironment{thebibliography}[1]
21155   {\chapter*\bibname}%
21156   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21157   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
21158   \bidi@thebibliography@font@hook%
21159   \list{\@biblabel{\@arabic\c@enumiv}}%
21160     {\settowidth\labelwidth{\@biblabel{#1}}%
21161     \leftmargin\labelwidth
21162     \advance\leftmargin\labelsep
21163     \@openbib@code
21164     \usecounter{enumiv}%
21165     \let\p@enumiv\@empty
21166     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
21167   \sloppy\clubpenalty4000\widowpenalty4000%
21168   \sfcode\.\@m}
21169   {\def\@noitemerr
21170     {\@latex@warning{Empty `thebibliography' environment}}%
21171   \endlist}
21172 \renewcommand*\left@footnoterule{%
21173   \kern-3\p@
21174   \kern.5\baselineskip
21175   \hrule\@width\unitindent
21176   \kern.4\baselineskip
21177 }
21178 \renewcommand*\right@footnoterule{%
21179   \kern-3\p@
21180   \kern.5\baselineskip
21181   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
21182   \kern.4\baselineskip}
21183 \renewcommand*\head@style{%
21184   \interlinepenalty \@M
21185   \hyphenpenalty=\@M \exhyphenpenalty=\@M
21186   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

138 File refrep-xetex-bidi.def

```

21187 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for
21188 \if@titlepage
21189   \renewcommand\maketitle{\begin{titlepage}%

```



```

21190 \let\footnotesize\small
21191 \let\right@footnoterule\relax
21192 \let\left@footnoterule\relax
21193 \let\textwidth@footnoterule\relax
21194 \let\footnote\thanks
21195 \let\LTRfootnote\LTRthanks
21196 \let\RTLfootnote\RTLthanks
21197 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21198 \def\@makefnmark%
21199     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21200 \long\def\@makefntext##1{%
21201     \setpar{\@par
21202         \@tempdima = \hspace
21203         \advance\@tempdima -1em
21204         \parshape \@ne 1em \@tempdima}%
21205     \par\parindent 1em \noindent
21206     \hb@xt@\z@\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21207 \null\vfil
21208 \vskip 60\p@
21209 \begin{center}%
21210     {\LARGE \@title \par}%
21211     \vskip 3em%
21212     {\large
21213         \lineskip .75em%
21214         \begin{tabular}[t]{c}%
21215             \@author
21216         \end{tabular}\par}%
21217     \vskip 1.5em%
21218     {\large \@date \par}%           % Set date in \large size.
21219 \end{center}\par
21220 \@thanks
21221 \vfil\null
21222 \end{titlepage}%
21223 \setcounter{footnote}{0}%
21224 \global\let\thanks\relax
21225 \global\let\LTRthanks\relax
21226 \global\let\RTLthanks\relax
21227 \global\let\maketitle\relax
21228 \global\let\@thanks\@empty
21229 \global\let\@author\@empty
21230 \global\let\@date\@empty
21231 \global\let\@title\@empty
21232 \global\let\title\relax
21233 \global\let\author\relax
21234 \global\let\date\relax
21235 \global\let\and\relax
21236 }
21237 \else
21238 \renewcommand\maketitle{\par
21239     \begingroup
21240         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21241         \def\@makefnmark%
21242             {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21243         \long\def\@makefntext##1{%

```



```

21244     \@setpar{\@par
21245         \@tempdima = \hspace
21246         \advance\@tempdima -1em
21247         \parshape \@ne 1em \@tempdima}%
21248     \par\parindent 1em \noindent
21249     \hbext@z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21250 \if@twocolumn
21251     \ifnum \col@number=\@ne
21252         \@maketitle
21253     \else
21254         \twocolumn[\@maketitle]%
21255     \fi
21256 \else
21257     \newpage
21258     \global\@topnum\z@ % Prevents figures from going at top of page.
21259     \@maketitle
21260     \fi
21261     \thispagestyle{empty}\@thanks
21262 \endgroup
21263 \setcounter{footnote}{0}%
21264 \global\let\thanks\relax
21265 \global\let\LTRthanks\relax
21266 \global\let\RTLthanks\relax
21267 \global\let\maketitle\relax
21268 \global\let\@maketitle\relax
21269 \global\let\@thanks\@empty
21270 \global\let\@author\@empty
21271 \global\let\@date\@empty
21272 \global\let\@title\@empty
21273 \global\let\title\relax
21274 \global\let\author\relax
21275 \global\let\date\relax
21276 \global\let\and\relax
21277 }
21278 \def\@maketitle{%
21279     \newpage
21280     \null
21281     \longthickrule\vskip1.5em%
21282     \let \footnote \thanks
21283     \let \LTRfootnote \LTRthanks
21284     \let \RTLfootnote \RTLthanks
21285     {\secshape \parskip\z@ \parindent\z@
21286     \Large\bfseries \@title \par}%
21287     \vskip1.5em\longthickrule\vskip1.5em%
21288     {\normalsize
21289     \lineskip .5em%
21290     \begin{flushright}%
21291         {\slshape\@author\par}
21292         \vskip 1em%
21293         {\@date}%
21294     \end{flushright}\par}%
21295     \vskip 1.5em}
21296 \fi
21297 \renewcommand*{\l@part[2]}{%

```



```

21298 \ifnum \c@tocdepth >-2\relax
21299 \addpenalty{-\@highpenalty}%
21300 \advspace{2.25em \@plus\p@}%
21301 \begingroup
21302 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21303 \parfillskip -\@pnumwidth
21304 {\leavevmode
21305 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
21306 \nobreak
21307 \global\@nobreaktrue
21308 \everypar{\global\@nobreakfalse\everypar{}}%
21309 \endgroup
21310 \fi}
21311 \renewcommand*\l@chapter[2]{%
21312 \ifnum \c@tocdepth >\m@ne
21313 \addpenalty{-\@highpenalty}%
21314 \vskip 1.0em \@plus\p@
21315 \setlength\@tempdima{1.5em}%
21316 \begingroup
21317 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21318 \parfillskip -\@pnumwidth
21319 \leavevmode \bfseries
21320 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21321 \hskip -\if@RTL\rightskip\else\leftskip\fi
21322 #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
21323 \penalty\@highpenalty
21324 \endgroup
21325 \fi}
21326 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
21327 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
21328 \hyphenpenalty=2000}
21329 \renewcommand\left@footnoterule{%
21330 \kern-3\p@
21331 \hrule\@width.4\columnwidth
21332 \kern 2.6\p@}
21333 \renewcommand\right@footnoterule{%
21334 \kern-3\p@
21335 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21336 \kern2.6\p@}
21337 \renewcommand\theequation
21338 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21339 \renewcommand\thefigure
21340 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21341 \renewcommand\thetable%
21342 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21343 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
21344 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
21345 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\csubsubsection}
21346 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21347 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21348 \renewenvironment{thebibliography}[1]
21349 {\chapter*{\bibname
21350 \mkboth{\bibname}{\bibname}}%
21351 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```




```

21352 \bidi@thebibliography@font@hook%
21353 \list{\@biblabel{\@arabic\c@enumiv}}%
21354     {\settowidth\labelwidth{\@biblabel{#1}}%
21355      \leftmargin\labelwidth
21356      \advance\leftmargin\labelsep
21357      \@openbib@code
21358      \usecounter{enumiv}%
21359      \let\p@enumiv\@empty
21360      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21361      \sloppy
21362      \clubpenalty4000
21363      \@clubpenalty \clubpenalty
21364      \widowpenalty4000%
21365      \sfcode\.\@m}
21366 {\def\@noitemerr
21367   {\@latex@warning{Empty `thebibliography' environment}}%
21368 \endlist}

```

139 File report-xetex-bidi.def

```

21369 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report c
21370 \renewenvironment{theindex}
21371     {\if@twocolumn
21372      \@restonecolfalse
21373      \else
21374       \@restonecoltrue
21375       \fi
21376       \columnseprule \z@
21377       \columnsep 35\p@
21378       \twocolumn[\@makeschapterhead{\indexname}]}%
21379       \@mkboth{\MakeUppercase\indexname}%
21380               {\MakeUppercase\indexname}%
21381       \thispagestyle{plain}\parindent\z@
21382       \parskip\z@ \@plus .3\p@\relax
21383       \let\item\@idxitem}
21384     {\if@restonecol\onecolumn\else\clearpage\fi}
21385 \if@titlepage
21386 \renewcommand\maketitle{\begin{titlepage}%
21387 \let\footnotesize\small
21388 \let\right@footnoterule\relax
21389 \let\left@footnoterule\relax
21390 \let\textwidth@footnoterule\relax
21391 \let \footnote \thanks
21392 \let \LTRfootnote \LTRthanks
21393 \let \RTLfootnote \RTLthanks
21394 \null\vfil
21395 \vskip 60\p@
21396 \begin{center}%
21397   {\LARGE \@title \par}%
21398   \vskip 3em%
21399   {\large
21400    \lineskip .75em%
21401    \begin{tabular}[t]{c}%
21402     \@author

```



```

21403     \end{tabular}\par}%
21404     \vskip 1.5em%
21405     {\large \@date \par}%           % Set date in \large size.
21406 \end{center}\par
21407 \@thanks
21408 \vfil\null
21409 \end{titlepage}%
21410 \setcounter{footnote}{0}%
21411 \global\let\thanks\relax
21412 \global\let\LTRthanks\relax
21413 \global\let\RTLthanks\relax
21414 \global\let\maketitle\relax
21415 \global\let\@thanks\@empty
21416 \global\let\@author\@empty
21417 \global\let\@date\@empty
21418 \global\let\@title\@empty
21419 \global\let\title\relax
21420 \global\let\author\relax
21421 \global\let\date\relax
21422 \global\let\and\relax
21423 }
21424 \else
21425 \renewcommand\maketitle{\par
21426   \begingroup
21427     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21428     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21429     \long\def\@makefntext##1{\parindent 1em\noindent
21430       \hb@xt@1.8em{%
21431         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
21432     \if@twocolumn
21433       \ifnum \col@number=\@one
21434         \@maketitle
21435       \else
21436         \twocolumn[\@maketitle]%
21437       \fi
21438     \else
21439       \newpage
21440       \global\@topnum\z@   % Prevents figures from going at top of page.
21441       \@maketitle
21442     \fi
21443     \thispagestyle{plain}\@thanks
21444   \endgroup
21445   \setcounter{footnote}{0}%
21446   \global\let\thanks\relax
21447   \global\let\LTRthanks\relax
21448   \global\let\RTLthanks\relax
21449   \global\let\maketitle\relax
21450   \global\let\@maketitle\relax
21451   \global\let\@thanks\@empty
21452   \global\let\@author\@empty
21453   \global\let\@date\@empty
21454   \global\let\@title\@empty
21455   \global\let\title\relax
21456   \global\let\author\relax

```



```

21457 \global\let\date\relax
21458 \global\let\and\relax
21459 }
21460 \def\@maketitle{%
21461 \newpage
21462 \null
21463 \vskip 2em%
21464 \begin{center}%
21465 \let \footnote \thanks
21466 \let \LTRfootnote \LTRthanks
21467 \let \RTLfootnote \RTLthanks
21468 {\LARGE \@title \par}%
21469 \vskip 1.5em%
21470 {\large
21471 \lineskip .5em%
21472 \begin{tabular}[t]{c}%
21473 \@author
21474 \end{tabular}\par}%
21475 \vskip 1em%
21476 {\large \@date}%
21477 \end{center}%
21478 \par
21479 \vskip 1.5em}
21480 \fi
21481 \renewcommand*\l@part[2]{%
21482 \ifnum \c@tocdepth >-2\relax
21483 \addpenalty{-\@highpenalty}%
21484 \advvspace{2.25em \@plus\p@}%
21485 \setlength\@tempdima{3em}%
21486 \begingroup
21487 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21488 \parfillskip -\@pnumwidth
21489 {\leavevmode
21490 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21491 \nobreak
21492 \global\@nobreaktrue
21493 \everypar{\global\@nobreakfalse\everypar{}}%
21494 \endgroup
21495 \fi}
21496 \renewcommand*\l@chapter[2]{%
21497 \ifnum \c@tocdepth >\m@ne
21498 \addpenalty{-\@highpenalty}%
21499 \vskip 1.0em \@plus\p@
21500 \setlength\@tempdima{1.5em}%
21501 \begingroup
21502 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21503 \parfillskip -\@pnumwidth
21504 \leavevmode \bfseries
21505 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21506 \hskip -\if@RTL\rightskip\else\leftskip\fi
21507 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21508 \penalty\@highpenalty
21509 \endgroup
21510 \fi}

```



```

21511 \renewcommand\left@footnoterule{%
21512   \kern-3\p@
21513   \hrule\@width.4\columnwidth
21514   \kern2.6\p@}
21515 \renewcommand\right@footnoterule{%
21516   \kern-3\p@
21517   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21518   \kern2.6\p@}
21519 \renewcommand\theequation
21520   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21521 \renewcommand \thefigure
21522   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21523 \renewcommand \thetable
21524   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21525 \renewcommand \thechapter {\@arabic\c@chapter}
21526 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
21527 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
21528 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
21529 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21530 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21531 \def\@makechapterhead#1{%
21532   \vspace*{50\p@}%
21533   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
21534     \ifnum \c@secnumdepth >\m@ne
21535       \huge\bfseries \@chapapp\space \thechapter
21536       \par\nobreak
21537       \vskip 20\p@
21538     \fi
21539     \interlinepenalty\@M
21540     \Huge \bfseries #1\par\nobreak
21541     \vskip 40\p@
21542   }}
21543 \def\@makeschapterhead#1{%
21544   \vspace*{50\p@}%
21545   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
21546     \normalfont
21547     \interlinepenalty\@M
21548     \Huge \bfseries #1\par\nobreak
21549     \vskip 40\p@
21550   }}
21551 \renewenvironment{thebibliography}[1]
21552   {\chapter*{\bibname}%
21553     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21554     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21555     \bidi@thebibliography@font@hook%
21556     \list{\@biblabel{\@arabic\c@enumiv}}%
21557       {\settowidth\labelwidth{\@biblabel{#1}}%
21558         \leftmargin\labelwidth
21559         \advance\leftmargin\labelsep
21560         \@openbib@code
21561         \usecounter{enumiv}%
21562         \let\p@enumiv\@empty
21563         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21564     \sloppy

```



```

21565     \clubpenalty4000
21566     \@clubpenalty \clubpenalty
21567     \widowpenalty4000%
21568     \sfcode`.\@m}
21569     {\def\@noitemerr
21570       {\@latex@warning{Empty `thebibliography' environment}}%
21571     \endlist}

```

140 File rotating-xetex-bidi.def

```

21572 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
21573 \def\end@rotfloat{%
21574   \end{minipage}\end{lrbox}%
21575   \stepcounter{r@tfl@t}%
21576   \rot@label{RF\ther@tfl@t}%
21577   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21578   \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
21579   \rot@mess@toks\expandafter{\@tempa}
21580   \wd\rot@float@box\z@
21581   \ht\rot@float@box\z@
21582   \dp\rot@float@box\z@
21583   \vboxL to \textheight{%
21584     \setkeys{Grot}{units=360}%
21585     \if@rot@twoside
21586     \else
21587       \let\R@@page\rot@LR
21588     \fi
21589     \ifthenelse{\isodd{\R@@page}}{%
21590       \if@rot@twoside
21591         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21592       \fi
21593       \vfill
21594       \@@line{%
21595         \hskip\rotFPtop
21596         \rotatebox{90}{\box\rot@float@box}%
21597         \hskip\rotFPbot
21598       }%
21599     }{%
21600       \if@rot@twoside
21601         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
21602       \fi
21603       \@@line{%
21604         \hskip\rotFPbot
21605         \rotatebox{-90}{\box\rot@float@box}%
21606         \hskip\rotFPtop
21607       }%
21608       \vfill
21609     }%
21610     \rot@message{\the\rot@mess@toks}
21611   }%
21612   \end@float
21613 }
21614 \let\endsidewaysfigure\end@rotfloat
21615 \let\endsidewaystable\end@rotfloat

```



```

21616 \def\end@rotdblfloat{%
21617   \end{minipage}\end{lrbox}%
21618   \stepcounter{r@tfl@t}%
21619   \rot@label{RF\ther@tfl@t}%
21620   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21621   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
21622   \rot@mess@toks\expandafter{\@tempa}
21623   \@tempdima\ht\rot@float@box
21624   \advance\@tempdima by \dp\rot@float@box
21625   \wd\rot@float@box\z@
21626   \ht\rot@float@box\z@
21627   \dp\rot@float@box\z@
21628   \vboxL to \textheight{%
21629     \setkeys{Grot}{units=360}%
21630     \if@rot@twoside
21631     \else
21632       \let\R@@page\rot@LR
21633     \fi
21634     \ifthenelse{\isodd{\R@@page}}{%
21635       \ifrot@messages
21636       \if@rot@twoside
21637       \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21638     \fi
21639       \fi
21640       \vfill
21641       \@@line{%
21642         \hskip\rotFPtop
21643         \rotatebox{90}{\box\rot@float@box}%
21644         \hskip\rotFPbot
21645       }%
21646     }{%
21647       \ifrot@messages
21648       \if@rot@twoside
21649       \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
21650     \fi
21651       \fi%
21652       \@@line{%
21653         \hskip\rotFPbot
21654         \rotatebox{-90}{\box\rot@float@box}%
21655         \hskip\rotFPtop
21656       }%
21657     \vfill
21658     }%
21659     \rot@message{\the\rot@mess@toks}%
21660   }%
21661   \end@dblfloat
21662 }
21663 \def\turn#1{%
21664   \Grot@setangle{#1}%
21665   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21666 \def\endturn{%
21667   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21668   \unskip\color@endbox
21669   \Grot@x\z@

```



```

21670 \Grot@y\z@
21671 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21672 }
21673 \def\rotate#1{%
21674 \Grot@setangle{#1}%
21675 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21676 \def\endrotate{%
21677 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21678 \unskip\color@endbox
21679 \Grot@x\z@
21680 \Grot@y\z@
21681 \wd0\z@\dp0\z@\ht0\z@
21682 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21683 }
21684 \def\turnbox#1#2{%
21685 \Grot@setangle{#1}%
21686 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR
21687 \Grot@x\z@\Grot@y\z@
21688 \wd0\z@\dp0\z@\ht0\z@
21689 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21690 }
21691 \def\sideways{%
21692 \Grot@setangle{90}%
21693 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21694 \def\endsideways{%
21695 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21696 \unskip\color@endbox
21697 \Grot@x\z@
21698 \Grot@y\z@
21699 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21700 }

```

141 File `scrartcl-xetex-bidi.def`

```

21701 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class
21702 \newcommand{\scr@saved@LTRfootnotetext}{}
21703 \newcommand{\scr@saved@RTLfootnotetext}{}
21704 \let\scr@saved@footnotetext\@footnotetext
21705 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
21706 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
21707 \renewcommand{\@footnotetext}[1]{%
21708 \scr@saved@footnotetext{#1}%
21709 \csname FN@mf@prepare\endcsname
21710 }
21711 \renewcommand{\@LTRfootnotetext}[1]{%
21712 \scr@saved@LTRfootnotetext{#1}%
21713 \csname FN@mf@prepare\endcsname
21714 }
21715 \renewcommand{\@RTLfootnotetext}[1]{%
21716 \scr@saved@RTLfootnotetext{#1}%
21717 \csname FN@mf@prepare\endcsname
21718 }
21719 \renewcommand\deffootnote[4][ ]{%
21720 \expandafter\ifnum\scr@v@is@ge{3.22}\relax

```



```

21721 \long\def\@makefntext##1{%
21722   \ExecuteDoHook{footnote/text/begin}%
21723   \raggedfootnote
21724   \if@RTL
21725     \rightskip
21726   \else
21727     \leftskip
21728   \fi
21729   #2
21730   \l@addto@macro\@trivlist{%
21731     \ifnum\@listdepth=\@ne
21732       \if@RTL
21733         \advance\rightmargin #2\relax
21734       \else
21735         \advance\leftmargin #2\relax
21736       \fi
21737     \fi
21738   }%
21739   \parindent #3\noindent
21740   \IfArgIsEmpty{#1}{-}{%
21741     \hskip \dimexpr #1-#2\relax
21742   }%
21743   \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21744   \ExecuteDoHook{footnote/text/end}%
21745 }%
21746 \else
21747   \ClassInfo{\KOMAClassName}{%
21748     Using old \string\@makefntext\space due to compatibility
21749     level\MessageBreak
21750     less than 3.22}%
21751 \long\def\@makefntext##1{%
21752   \setlength{\@tempdimc}{#3}%
21753   \def\@tempa{#1}\ifx\@tempa\@empty
21754     \setpar{\@par
21755       \@tempdima = \hsize
21756       \addtolength{\@tempdima}{-#2}%
21757       \if@RTL
21758         \parshape \@ne \z@ \@tempdima
21759       \else
21760         \parshape \@ne #2 \@tempdima
21761       \fi}%
21762   \else
21763     \addtolength{\@tempdimc}{#2}%
21764     \addtolength{\@tempdimc}{-#1}%
21765     \setpar{\@par
21766       \@tempdima = \hsize
21767       \addtolength{\@tempdima}{-#1}%
21768       \@tempdimb = \hsize
21769       \addtolength{\@tempdimb}{-#2}%
21770       \if@RTL
21771         \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
21772       \else
21773         \parshape \tw@ #1 \@tempdima #2 \@tempdimb
21774       \fi

```




```

21775     }%
21776     \fi
21777     \par
21778     \parindent\@tempdimc\noindent
21779     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21780     }%
21781     \fi
21782     \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
21783 }
21784 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
21785 \renewcommand*\left@footnoterule{%
21786   \normalsize\ftn@rule@test@values
21787   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21788   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21789   {\usekomafont{footnoterule}{%
21790     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
21791   \kern 2.6\p@}
21792 \renewcommand*\right@footnoterule{%
21793   \normalsize\ftn@rule@test@values
21794   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21795   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21796   {\usekomafont{footnoterule}{%
21797     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
21798     \kern 2.6\p@}
21799   \renewcommand*\maketitle[1][1]{%
21800     \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
21801     \else
21802       \def\and{%
21803         \end{tabular}}%
21804         \hskip 1em \@plus.17fil%
21805         \begin{tabular}[t]{c}%
21806         }%
21807     \fi
21808     \if@titlepage
21809     \begin{titlepage}
21810     \setcounter{page}{%
21811     #1%
21812     }%
21813     \if@titlepageiscoverpage
21814     \edef\titlepage@restore{%
21815       \noexpand\endgroup
21816       \noexpand\global\noexpand\@colht\the\@colht
21817       \noexpand\global\noexpand\@colroom\the\@colroom
21818       \noexpand\global\vsizethe\vsizethe
21819       \noexpand\global\noexpand\@titlepageiscoverpagefalse
21820       \noexpand\let\noexpand\titlepage@restore\noexpand\relax
21821     }%
21822     \begingroup
21823     \topmargin=\dimexpr \coverpagetopmargin-1in\relax
21824     \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
21825     \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
21826     \textwidth=\dimexpr
21827     \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
21828     \textheight=\dimexpr

```



```

21829     \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
21830     \headheight=0pt
21831     \headsep=0pt
21832     \footskip=\baselineskip
21833     \@colht=\textheight
21834     \@colroom=\textheight
21835     \vsize=\textheight
21836     \columnwidth=\textwidth
21837     \hsize=\columnwidth
21838     \linewidth=\hsize
21839     \else
21840         \let\titlepage@restore\relax
21841     \fi
21842     \let\footnotesize\small
21843     \let\right@footnoterule\relax
21844     \let\left@footnoterule\relax
21845     \let\textwidth@footnoterule\relax
21846     \let\footnote\thanks
21847     \let\LTRfootnote\LTRthanks
21848     \let\RTLfootnote\RTLthanks
21849     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21850     \let\@oldmakefnmark\@makefnmark
21851     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
21852     \ifx\@extratitle\@empty
21853         \ifx\@frontispiece\@empty
21854             \else
21855                 \if@twoside\mbox{}\next@tpage\fi
21856                 \noindent\@frontispiece\next@tdpage
21857             \fi
21858         \else
21859             \noindent\@extratitle
21860             \ifx\@frontispiece\@empty
21861                 \else
21862                     \next@tpage
21863                     \noindent\@frontispiece
21864                 \fi
21865                 \next@tdpage
21866             \fi
21867         \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
21868         \ifx\@titlehead\@empty \else
21869             \begin{minipage}[t]{\textwidth}%
21870                 \usekomafont{titlehead}{\@titlehead\par}%
21871             \end{minipage}\par
21872         \fi
21873         \null\vfill
21874         \begin{center}
21875             \ifx\@subject\@empty \else
21876                 {\usekomafont{subject}{\@subject\par}}%
21877                 \vskip 3em
21878             \fi
21879             {\usekomafont{title}{\huge \@title\par}}%
21880             \vskip 1em
21881             {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
21882             \vskip 2em

```



```

21883     {%
21884         \usekomafont{author}{%
21885             \lineskip 0.75em
21886             \begin{tabular}[t]{c}
21887                 \@author
21888             \end{tabular}\par
21889         }%
21890     }%
21891     \vskip 1.5em
21892     {\usekomafont{date}{\@date \par}}%
21893     \vskip \z@ \@plus3fill
21894     {\usekomafont{publishers}{\@publishers \par}}%
21895     \vskip 3em
21896     \end{center}\par
21897     \@thanks\global\let\@thanks\@empty
21898     \vfill\null
21899     \if@twoside
21900         \@tempwattrue
21901         \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
21902         \else
21903             \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
21904                 \@tempwafalse
21905             \fi\fi
21906         \fi
21907         \if@tempwa
21908             \next@tpage
21909             \begin{minipage}[t]{\textwidth}
21910                 \@uppertitleback
21911             \end{minipage}\par
21912             \vfill
21913             \begin{minipage}[b]{\textwidth}
21914                 \@lowertitleback
21915             \end{minipage}\par
21916             \@thanks\global\let\@thanks\@empty
21917         \fi
21918     \else
21919         \ifx\@uppertitleback\@empty\else
21920             \ClassWarning{\KOMAClassName}{%
21921                 non empty \string\uppertitleback\space ignored
21922                 by \string\maketitle\MessageBreak
21923                 in `twoside=false' mode%
21924             }%
21925         \fi
21926         \ifx\@lowertitleback\@empty\else
21927             \ClassWarning{\KOMAClassName}{%
21928                 non empty \string\lowertitleback\space ignored
21929                 by \string\maketitle\MessageBreak
21930                 in `twoside=false' mode%
21931             }%
21932         \fi
21933     \fi
21934     \ifx\@dedication\@empty
21935     \else
21936         \next@tdpage\null\vfill

```



```

21937     {\centering\usekomafont{dedication}{\@dedication \par}}%
21938     \vskip \z@ \@plus3fill
21939     \@thanks\global\let\@thanks\@empty
21940     \cleardoubleemptypage
21941     \fi
21942     \ifx\tITLEPAGE@restore\relax\else\clearpage\tITLEPAGE@restore\fi
21943 \end{titlepage}
21944 \else
21945     \par
21946     \@tempcnta=%
21947     #1%
21948     \relax\ifnum\@tempcnta=1\else
21949         \ClassWarning{\KOMAClassName}{%
21950             Optional argument of \string\maketitle\space ignored\MessageBreak
21951             in `titlepage=false' mode%
21952         }%
21953     \fi
21954     \ifx\@uppertitleback\@empty\else
21955         \ClassWarning{\KOMAClassName}{%
21956             non empty \string\uppertitleback\space ignored
21957             by \string\maketitle\MessageBreak
21958             in `titlepage=false' mode%
21959         }%
21960     \fi
21961     \ifx\@lowertitleback\@empty\else
21962         \ClassWarning{\KOMAClassName}{%
21963             non empty \string\lowertitleback\space ignored
21964             by \string\maketitle\MessageBreak
21965             in `titlepage=false' mode%
21966         }%
21967     \fi
21968     \begingroup
21969         \let\tITLEPAGE@restore\relax
21970         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21971         \let\@oldmakefnmark\@makefnmark
21972         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
21973         \next@tdpage
21974         \if@twocolumn
21975             \ifnum \col@number=\@ne
21976                 \ifx\@extratitle\@empty
21977                     \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21978                 \else
21979                     \@makeextratitle
21980                 \fi
21981                 \ifx\@frontispiece\@empty
21982                     \ifx\@extratitle\@empty\else\next@tdpage\fi
21983                 \else
21984                     \next@tpage
21985                     \@makefrontispiece
21986                     \next@tdpage
21987                 \fi
21988                 \@maketitle
21989             \else
21990                 \ifx\@extratitle\@empty

```



```

21991         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21992     \else
21993         \twocolumn[\@makeextratitle]%
21994     \fi
21995     \ifx\@frontispiece\@empty
21996         \ifx\@extratitle\@empty\else\next@tdpage\fi
21997     \else
21998         \next@tpage
21999         \twocolumn[\@makefrontispiece]%
22000     \next@tdpage
22001     \fi
22002     \twocolumn[\@maketitle]%
22003 \fi
22004 \else
22005     \ifx\@extratitle\@empty
22006     \ifx\@frontispiece\@empty\else \mbox{}\fi
22007     \else
22008     \@makeextratitle
22009     \fi
22010     \ifx\@frontispiece\@empty
22011     \ifx\@extratitle\@empty\else\next@tdpage\fi
22012     \else
22013     \next@tpage
22014     \@makefrontispiece
22015     \next@tdpage
22016     \fi
22017     \@maketitle
22018     \fi
22019     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22020     \@thanks\global\let\@thanks\@empty
22021 \endgroup
22022 \fi
22023 \setcounter{footnote}{0}%
22024 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
22025     \let\thanks\relax
22026     \let\LTRthanks\relax
22027     \let\RTLthanks\relax
22028     \let\maketitle\relax
22029     \let\@maketitle\relax
22030     \global\let\@thanks\@empty
22031     \global\let\@author\@empty
22032     \global\let\@date\@empty
22033     \global\let\@title\@empty
22034     \global\let\@subtitle\@empty
22035     \global\let\@extratitle\@empty
22036     \global\let\@frontispiece\@empty
22037     \global\let\@titlehead\@empty
22038     \global\let\@subject\@empty
22039     \global\let\@publishers\@empty
22040     \global\let\@uppertitleback\@empty
22041     \global\let\@lowertitleback\@empty
22042     \global\let\@dedication\@empty
22043     \global\let\author\relax
22044     \global\let\title\relax

```



```

22045 \global\let\extratitle\relax
22046 \global\let\titlehead\relax
22047 \global\let\subject\relax
22048 \global\let\publishers\relax
22049 \global\let\uppertitleback\relax
22050 \global\let\lowertitleback\relax
22051 \global\let\dedication\relax
22052 \global\let\date\relax
22053 \fi
22054 \global\let\and\relax
22055 }%
22056 \def\raggedsection{\ifRTL\raggedleft\else\raggedright\fi}
22057 \def\raggedpart{\ifRTL\raggedleft\else\raggedright\fi}
22058 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
22059 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
22060 \renewcommand*\thesubsubsection{%
22061 \thesubsection\@SepMark\@arabic\c@subsubsection
22062 }
22063 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
22064 \renewcommand*\thesubparagraph{%
22065 \theparagraph\@SepMark\@arabic\c@subparagraph
22066 }
22067 \renewenvironment{thebibliography}[1]{%
22068 \if@bib@break@
22069 \bib@beginhook
22070 \else
22071 \bib@heading
22072 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22073 \noindent\bibpreamble\par\nobreak
22074 \fi\fi
22075 \bib@beginhook
22076 \bib@before@hook
22077 \fi
22078 \renewcommand{\BreakBibliography}[1]{%
22079 \@bib@break
22080 \end{thebibliography}}%
22081 \begingroup ##1\endgroup
22082 \begin{thebibliography}{#1}
22083 }%
22084 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
22085 \bidi@thebibliography@font@hook%
22086 \list{%
22087 \@biblabel{\@arabic\c@enumiv}%
22088 }{%
22089 \settowidth\labelwidth{\@biblabel{#1}}%
22090 \leftmargin\labelwidth
22091 \advance\leftmargin\labelsep
22092 \@openbib@code
22093 \if@bib@break@
22094 \edef\@tempa{%
22095 \noexpand\usecounter{enumiv}%
22096 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22097 }\@tempa
22098 \no@bib@break

```



```

22099 \else
22100 \usecounter{enumiv}%
22101 \fi
22102 \let\p@enumiv\@empty
22103 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
22104 }%
22105 \sloppy\clubpenalty4000 \widowpenalty4000
22106 \sfcode`\.=\@m
22107 }-{}%
22108 \if@bib@break@
22109 \def\@noitemerr{%
22110 \@latex@warning{%
22111 \string\BreakBibliography\space at begin of `thebibliography'
22112 environment\MessageBreak
22113 or following \string\BreakBibliography}%
22114 }%
22115 \else
22116 \def\@noitemerr{%
22117 \@latex@warning{%
22118 Empty `thebibliography' environment or
22119 \string\BreakBibliography\MessageBreak
22120 before end of `thebibliography' environment}%
22121 }%
22122 \fi
22123 \endlist
22124 \if@bib@break@
22125 \else
22126 \bib@after@hook
22127 \let\bib@before@hook\@empty
22128 \let\bib@after@hook\@empty
22129 \fi
22130 \bib@endhook
22131 }
22132 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
22133 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
22134 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
22135 \renewcommand\marginline[1]{%
22136 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
22137 }
22138 \renewcommand{\@@makecaption}[3]{%
22139 \cap@margin
22140 \begingroup
22141 \ifonlinecaptions
22142 \def\stepcounter##1{\advance\value{##1}\@ne}%
22143 \let\refstepcounter\stepcounter
22144 \let\label@gobble
22145 \let\@footnotetext=@gobble
22146 \let\@LTRfootnotetext=@gobble
22147 \let\@RTLfootnotetext=@gobble
22148 \let\hypertarget@gobbletwo
22149 \edef\xnewline{%
22150 \unexpanded{\ClassInfo{\KOMAClassName}}-{}
22151 Workaround for not recommended usage of \string\\ or\MessageBreak
22152 \string\newline in caption text

```



```

22153     }%
22154     \hspace*{\linewidth}\hspace{1sp}%
22155     }%
22156     \unexpanded\expandafter{\@xnewline}%
22157     }%
22158     \edef\@xcentercr{%
22159     \unexpanded{\ClassInfo{\KOMAClassName}{%
22160     Workaround for not recommended usage of \string\ or\MessageBreak
22161     \string\newline in caption text
22162     }%
22163     \hspace*{\linewidth}\hspace{1sp}%
22164     }%
22165     \unexpanded\expandafter{\@xcentercr}%
22166     }%
22167     \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
22168     \ifdim\@tempdima>\cap@width
22169     \aftergroup\scr@makemultilinecaption
22170     \else
22171     \aftergroup\scr@makesinglelinecaption
22172     \fi
22173     \else
22174     \aftergroup\scr@makemultilinecaption
22175     \fi
22176     \endgroup
22177     {#1}{#2}{#3}%
22178 }
22179 \renewcommand{\scr@makesinglelinecaption}[3]{%
22180 {%
22181   \usefontofkomafont{caption}{%
22182   \hb@xt@\hsize{%
22183     \cap@left
22184     \if@RTL
22185     \beginR
22186     \fi
22187     \scr@makesinglelinecaption{#1}{#2}{#3}%
22188     \if@RTL
22189     \endR
22190     \fi
22191     \cap@right
22192   }\par\kern\dp\strutbox%
22193   }%
22194   }\kern-\dp\strutbox
22195 }
22196 \renewcommand{\@makecaption}[2]{%
22197   \if@captionabove
22198   \vskip\belowcaptionskip
22199   \else
22200   \vskip\abovecaptionskip
22201   \fi
22202   \@makecaption\@firstofone{#1}{#2}%
22203   \if@captionabove
22204   \vskip\abovecaptionskip
22205   \else
22206   \vskip\belowcaptionskip

```




```

22207 \fi
22208 }
22209
22210 \renewcommand{\scr@makesinglelinecaption}[3]{%
22211   {\usekomafont{caption}{\strut\ignorespaces
22212     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
22213     \ignorespaces #3\unskip}}%
22214 }
22215
22216 \renewcommand{\scr@makemultilinecaption}[3]{%
22217   {%
22218     \usefontofkomafont{caption}{%
22219       \hb@xt@\hsize{%
22220         \cap@left
22221         \vbox{\hsize\cap@width\linewidth\hsize
22222           \scr@ifundefinedorrelax{@capttype}{%
22223             \ClassWarning{\KOMAClassName}{%
22224               `string\caption' outside float.\MessageBreak
22225               Seems you are using `string\caption' outside a
22226               float.\MessageBreak
22227               Maybe you are using a package that uses
22228               `string@makecaption'\MessageBreak
22229               without setting `string@capttype' before.\MessageBreak
22230               Because I cannot detect the caption type, I'm using
22231               the empty one.%
22232             }}%
22233             \let\@capttype\@empty
22234           }}}%
22235     \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
22236       \@nameuse{ragged\@capttype caption}}%
22237     }%
22238     \ifdofullc@p
22239       \@hangfrom{%
22240         \strut
22241         \scr@smashdp{%
22242           #1{%
22243             \usekomafont{caption}{%
22244               \usekomafont{captionlabel}{#2\captionformat}}%
22245           }%
22246         }%
22247       }%
22248     }%
22249     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22250   \else
22251     \ifdim\cap@indent<\z@
22252       \strut
22253       #1{%
22254         {\usekomafont{caption}{%
22255           \usekomafont{captionlabel}{#2\captionformat}}%
22256         }%
22257       }\par}%
22258     \noindent{\usekomafont{caption}{%
22259       \hspace*{-\cap@indent}#3\scr@endstrut
22260     }}\par}%

```



```

22261         \else
22262         \if@capbreak
22263         \strut
22264         #1{%
22265         {\usekomafont{caption}{%
22266         \usekomafont{captionlabel}{#2\captionformat}%
22267         }%
22268         }\par}%
22269         \noindent\@hangfrom{\hspace*{\cap@indent}}%
22270         {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22271         \else
22272         \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
22273         {%
22274         \hspace{-\cap@indent}%
22275         \scr@smashdp{%
22276         #1{\usekomafont{caption}{%
22277         \usekomafont{captionlabel}{#2\captionformat}%
22278         }%
22279         }%
22280         }%
22281         {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22282         }%
22283         \fi
22284         \fi
22285         \fi
22286         }%
22287         \cap@right
22288         }\par\kern\dp\strutbox
22289         }%
22290         }\kern-\dp\strutbox
22291     }
22292
22293 \bidi@AfterFile{longtable-xetex-bidi.def}{%
22294     \if@komalongtable
22295     \renewcommand{\LT@makecaption}[3]{%
22296     \noalign{%
22297     \if@captionabove
22298     \vskip\belowcaptionskip
22299     \else
22300     \vskip\abovecaptionskip
22301     \fi
22302     }%
22303     \LT@mcol\LT@cols c{%
22304     \hbox to\z@{\hss\parbox[t]{linewidth{%
22305     \def\@captive{table}%
22306     \@makecaption{#1}{#2}{#3}%
22307     \endgraf
22308     \if@captionabove
22309     \vskip\abovecaptionskip
22310     \else
22311     \vskip\belowcaptionskip
22312     \fi
22313     }%
22314     \hss

```



```

22315     }%
22316   }%
22317 }%
22318 \renewcommand*{\scr@LT@array}{}%
22319 \let\scr@LT@array=\LT@array
22320 \renewcommand*{\LT@array}{%
22321   \let\scr@caption=\LT@caption
22322   \def\captionabove{\noalign{\global\@captionabovetrue}%
22323     \scr@caption}%
22324   \def\captionbelow{\noalign{\global\@captionabovefalse}%
22325     \scr@caption}%
22326   \if@tablecaptionabove
22327     \let\LT@caption=\captionabove
22328   \else
22329     \let\LT@caption=\captionbelow
22330   \fi
22331   \scr@LT@array
22332 }%
22333 \ClassInfo{\KOMAClassName}{%
22334   longtable captions redefined%
22335 }%
22336 \fi
22337 }
22338
22339 \CloneTOCEntryStyle{tocline}{part}
22340 \TOCEntryStyleStartInitCode{part}{%
22341   \expandafter\renewcommand%
22342   \csname scr@tso@#1@linefill\endcsname{\hfill}%
22343   \expandafter\renewcommand%
22344   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
22345   \expandafter\renewcommand%
22346   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22347     {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
22348   \expandafter\renewcommand\expandafter*%
22349   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
22350 }
22351
22352 \CloneTOCEntryStyle{tocline}{section}
22353 \TOCEntryStyleStartInitCode{section}{%
22354   \expandafter\renewcommand%
22355   \csname scr@tso@#1@linefill\endcsname{%
22356     \if@sectionentrywithdots
22357       {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
22358     \else
22359       \hfill
22360     \fi
22361   }%
22362   \expandafter\renewcommand%
22363   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
22364   \expandafter\renewcommand%
22365   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont
22366     \expandafter\renewcommand\expandafter*%
22367     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
22368 }

```



```

22369
22370 \CloneTOCEntryStyle{tocline}{subsection}
22371 \TOCEntryStyleStartInitCode{subsection}{%
22372   \expandafter\renewcommand%
22373   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22374   \expandafter\renewcommand%
22375   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22376     {\normalfont\normalcolor ##1}}%
22377 }
22378
22379 \CloneTOCEntryStyle{subsection}{default}
22380
22381 \DeclareSectionCommand[%
22382   style=section,%
22383   level=1,%
22384   indent=\z@,%
22385   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
22386   afterskip=2.3ex \@plus .2ex,%
22387   tocstyle=section,%
22388   tocindent=0pt,%
22389   tocnumwidth=1.5em%
22390 ]{section}
22391 \DeclareSectionCommand[%
22392   style=part,%
22393   level=\z@,%
22394   tocstyle=part,%
22395   toclevel=\m@ne,%
22396   tocindent=\z@,%
22397   tocnumwidth=2em%
22398 ]{part}
22399 \DeclareSectionCommand[%
22400   style=section,%
22401   level=2,%
22402   indent=\z@,%
22403   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
22404   afterskip=1.5ex \@plus .2ex,%
22405   tocstyle=subsection,%
22406   tocindent=1.5em,%
22407   tocnumwidth=2.3em%
22408 ]{subsection}
22409 \DeclareSectionCommand[%
22410   style=section,%
22411   level=3,%
22412   indent=\z@,%
22413   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
22414   afterskip=1.5ex \@plus .2ex,%
22415   tocstyle=subsection,%
22416   tocindent=3.8em,%
22417   tocnumwidth=3.2em%
22418 ]{subsubsection}
22419 \DeclareSectionCommand[%
22420   style=section,%
22421   level=4,%
22422   indent=\z@,%

```



```

22423 beforekip=3.25ex \@plus1ex \@minus.2ex,%
22424 afterskip=-1em,%
22425 tocstyle=subsection,%
22426 tocindentfollows=subsubsection,%
22427 tocindent=7.0em,%
22428 tocnumwidth=4.1em%
22429 ]{paragraph}
22430 \DeclareSectionCommand[%
22431 style=section,%
22432 level=5,%
22433 indent=\scr@parindent,%
22434 beforekip=3.25ex \@plus1ex \@minus.2ex,%
22435 afterskip=-1em,%
22436 tocstyle=subsection,%
22437 tocindent=10em,%
22438 tocnumwidth=5em%
22439 ]{subparagraph}

```

142 File scrbook-xetex-bidi.def

```

22440 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class fo
22441 \newcommand{\scr@saved@LTRfootnotetext}{}
22442 \newcommand{\scr@saved@RTLfootnotetext}{}
22443 \let\scr@saved@footnotetext\@footnotetext
22444 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
22445 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
22446 \renewcommand{\@footnotetext}[1]{%
22447 \scr@saved@footnotetext{#1}%
22448 \csname FN@mf@prepare\endcsname
22449 }
22450 \renewcommand{\@LTRfootnotetext}[1]{%
22451 \scr@saved@LTRfootnotetext{#1}%
22452 \csname FN@mf@prepare\endcsname
22453 }
22454 \renewcommand{\@RTLfootnotetext}[1]{%
22455 \scr@saved@RTLfootnotetext{#1}%
22456 \csname FN@mf@prepare\endcsname
22457 }
22458 \renewcommand\deffootnote[4] []{ %
22459 \expandafter\ifnum\scr@v@is@ge{3.22}\relax
22460 \long\def\@makefntext##1{%
22461 \ExecuteDoHook{footnote/text/begin}%
22462 \raggedfootnote
22463 \if@RTL
22464 \rightskip
22465 \else
22466 \leftskip
22467 \fi
22468 #2
22469 \l@addto@macro\@trivlist{%
22470 \ifnum\@listdepth=\@ne\advance
22471 \if@RTL
22472 \rightmargin #2\relax
22473 \else

```



```

22474         \leftmargin #2\relax
22475         \fi
22476     \fi
22477 }%
22478 \parindent #3\noindent
22479 \IfArgIsEmpty{#1}{}{%
22480     \hskip \dimexpr #1-#2\relax
22481 }%
22482 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22483 \ExecuteDoHook{footnote/text/end}%
22484 }%
22485 \else
22486 \ClassInfo{\KOMAClassName}{%
22487     Using old \string\@makefnmark\space due to compatibility
22488     level\MessageBreak
22489     less than 3.22}%
22490 \long\def\@makefnmark##1{%
22491     \setlength{\@tempdimc}{#3}%
22492     \def\@tempa{#1}\ifx\@tempa\@empty
22493         \@setpar{\@par
22494             \@tempdima = \hspace
22495             \addtolength{\@tempdima}{-#2}%
22496             \ifRTL
22497                 \parshape \@ne \z@ \@tempdima
22498             \else
22499                 \parshape \@ne #2 \@tempdima
22500             \fi
22501         }%
22502     \else
22503         \addtolength{\@tempdimc}{#2}%
22504         \addtolength{\@tempdimc}{-#1}%
22505         \@setpar{\@par
22506             \@tempdima = \hspace
22507             \addtolength{\@tempdima}{-#1}%
22508             \@tempdimb = \hspace
22509             \addtolength{\@tempdimb}{-#2}%
22510             \ifRTL
22511                 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
22512             \else
22513                 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
22514             \fi
22515         }%
22516     \fi
22517 \par
22518 \parindent\@tempdimc\noindent
22519 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22520 }%
22521 \fi
22522 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
22523 }
22524 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
22525 \renewcommand*\left@footnoterule{%
22526     \normalsize\ftn@rule@test@values
22527     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax

```



```

22528 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22529 {\usekomafont{footnoterule}}{%
22530   \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
22531 \kern 2.6\p@}
22532 \renewcommand*\right@footnoterule{%
22533   \normalsize\ftn@rule@test@values
22534   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22535   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22536   {\usekomafont{footnoterule}}{%
22537     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
22538     \kern 2.6\p@}
22539 \renewcommand*\maketitle[1][1]{%
22540 \expandafter\ifnum \c@name scr@v@3.12\endcsname>\scr@compatibility\relax
22541 \else
22542   \def\and{%
22543     \end{tabular}}%
22544     \hskip 1em \@plus.17fil%
22545     \begin{tabular}[t]{c}%
22546   }%
22547 \fi
22548 \if@titlepage
22549 \begin{titlepage}
22550   \setcounter{page}{%
22551     #1%
22552   }%
22553 \if@titlepageiscoverpage
22554   \edef\t@titlepage@restore{%
22555     \noexpand\endgroup
22556     \noexpand\global\noexpand\@colht\the\@colht
22557     \noexpand\global\noexpand\@colroom\the\@colroom
22558     \noexpand\global\vsizethe\vsizethe
22559     \noexpand\global\noexpand\@titlepageiscoverpagefalse
22560     \noexpand\let\noexpand\t@titlepage@restore\noexpand\relax
22561   }%
22562   \begingroup
22563   \topmargin=\dimexpr \coverpagetopmargin-1in\relax
22564   \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
22565   \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
22566   \textwidth=\dimexpr
22567   \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
22568   \textheight=\dimexpr
22569   \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
22570   \headheight=0pt
22571   \headsep=0pt
22572   \footskip=\baselineskip
22573   \@colht=\textheight
22574   \@colroom=\textheight
22575   \vsizethe\textheight
22576   \columnwidth=\textwidth
22577   \hsizethe\columnwidth
22578   \linewidth=\hsizethe
22579 \else
22580   \let\t@titlepage@restore\relax
22581 \fi

```



```

22582 \let\footnotesize\small
22583 \let\right@footnoterule\relax
22584 \let\left@footnoterule\relax
22585 \let\textwidth@footnoterule\relax
22586 \let\footnote\thanks
22587 \let\LTRfootnote\LTRthanks
22588 \let\RTLfootnote\RTLthanks
22589 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22590 \let\@oldmakefnmark\@makefnmark
22591 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
22592 \ifx\@extratitle\@empty
22593 \ifx\@frontispiece\@empty
22594 \else
22595 \if@twoside\mbox{}\next@tpage\fi
22596 \noindent\@frontispiece\next@tdpage
22597 \fi
22598 \else
22599 \noindent\@extratitle
22600 \ifx\@frontispiece\@empty
22601 \else
22602 \next@tpage
22603 \noindent\@frontispiece
22604 \fi
22605 \next@tdpage
22606 \fi
22607 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
22608 \ifx\@titlehead\@empty \else
22609 \begin{minipage}[t]{\textwidth}%
22610 \usekomafont{titlehead}{\@titlehead\par}%
22611 \end{minipage}\par
22612 \fi
22613 \null\vfill
22614 \begin{center}
22615 \ifx\@subject\@empty \else
22616 {\usekomafont{subject}{\@subject\par}}%
22617 \vskip 3em
22618 \fi
22619 {\usekomafont{title}{\huge \@title\par}}%
22620 \vskip 1em
22621 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
22622 \vskip 2em
22623 {%
22624 \usekomafont{author}{%
22625 \lineskip 0.75em
22626 \begin{tabular}[t]{c}
22627 \@author
22628 \end{tabular}\par
22629 }%
22630 }%
22631 \vskip 1.5em
22632 {\usekomafont{date}{\@date \par}}%
22633 \vskip \z@ \@plus3fill
22634 {\usekomafont{publishers}{\@publishers \par}}%
22635 \vskip 3em

```




```

22636 \end{center}\par
22637 \@thanks\global\let\@thanks\@empty
22638 \vfill\null
22639 \if@twoside
22640 \@tempwatrue
22641 \expandafter\ifnum \@nameuse{scr@v3.12}>\scr@compatibility\relax
22642 \else
22643 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
22644 \@tempwafalse
22645 \fi\fi
22646 \fi
22647 \if@tempswa
22648 \next@tpage
22649 \begin{minipage}[t]{\textwidth}
22650 \@uppertitleback
22651 \end{minipage}\par
22652 \vfill
22653 \begin{minipage}[b]{\textwidth}
22654 \@lowertitleback
22655 \end{minipage}\par
22656 \@thanks\global\let\@thanks\@empty
22657 \fi
22658 \else
22659 \ifx\@uppertitleback\@empty\else
22660 \ClassWarning{\KOMAClassName}{%
22661 non empty \string\uppertitleback\space ignored
22662 by \string\maketitle\MessageBreak
22663 in `twoside=false' mode%
22664 }%
22665 \fi
22666 \ifx\@lowertitleback\@empty\else
22667 \ClassWarning{\KOMAClassName}{%
22668 non empty \string\lowertitleback\space ignored
22669 by \string\maketitle\MessageBreak
22670 in `twoside=false' mode%
22671 }%
22672 \fi
22673 \fi
22674 \ifx\@dedication\@empty
22675 \else
22676 \next@tdpage\null\vfill
22677 {\centering\usekomafont{dedication}{\@dedication \par}}%
22678 \vskip \z@ \@plus3fill
22679 \@thanks\global\let\@thanks\@empty
22680 \cleardoubleemptypage
22681 \fi
22682 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
22683 \end{titlepage}
22684 \else
22685 \par
22686 \@tempcnta=%
22687 #1%
22688 \relax\ifnum\@tempcnta=1\else
22689 \ClassWarning{\KOMAClassName}{%

```



```

22690     Optional argument of \string\maketitle\space ignored\MessageBreak
22691     in `titlepage=false' mode%
22692   }%
22693 \fi
22694 \ifx\@uppertitleback\@empty\else
22695   \ClassWarning{\KOMAClassName}{%
22696     non empty \string\uppertitleback\space ignored
22697     by \string\maketitle\MessageBreak
22698     in `titlepage=false' mode%
22699   }%
22700 \fi
22701 \ifx\@lowertitleback\@empty\else
22702   \ClassWarning{\KOMAClassName}{%
22703     non empty \string\lowertitleback\space ignored
22704     by \string\maketitle\MessageBreak
22705     in `titlepage=false' mode%
22706   }%
22707 \fi
22708 \begingroup
22709   \let\titlepage@restore\relax
22710   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22711   \let\@oldmakefnmark\@makefnmark
22712   \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
22713   \next@tdpage
22714   \if@twocolumn
22715     \ifnum \col@number=\@ne
22716       \ifx\@extratitle\@empty
22717         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22718       \else
22719         \@makeextratitle
22720       \fi
22721       \ifx\@frontispiece\@empty
22722         \ifx\@extratitle\@empty\else\next@tdpage\fi
22723       \else
22724         \next@tpage
22725         \@makefrontispiece
22726         \next@tdpage
22727       \fi
22728       \@maketitle
22729     \else
22730       \ifx\@extratitle\@empty
22731         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22732       \else
22733         \twocolumn[\@makeextratitle]%
22734       \fi
22735       \ifx\@frontispiece\@empty
22736         \ifx\@extratitle\@empty\else\next@tdpage\fi
22737       \else
22738         \next@tpage
22739         \twocolumn[\@makefrontispiece]%
22740         \next@tdpage
22741       \fi
22742       \twocolumn[\@maketitle]%
22743 \fi

```



```

22744     \else
22745         \ifx\@extratitle\@empty
22746             \ifx\@frontispiece\@empty\else \mbox{}\fi
22747         \else
22748             \@makeextratitle
22749         \fi
22750         \ifx\@frontispiece\@empty
22751             \ifx\@extratitle\@empty\else\next@tdpage\fi
22752         \else
22753             \next@tpage
22754             \@makefrontispiece
22755             \next@tdpage
22756         \fi
22757         \@maketitle
22758     \fi
22759     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22760     \@thanks\global\let\@thanks\@empty
22761 \endgroup
22762 \fi
22763 \setcounter{footnote}{0}%
22764 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
22765     \let\thanks\relax
22766     \let\LTRthanks\relax
22767     \let\RTLthanks\relax
22768     \let\maketitle\relax
22769     \let\@maketitle\relax
22770     \global\let\@thanks\@empty
22771     \global\let\@author\@empty
22772     \global\let\@date\@empty
22773     \global\let\@title\@empty
22774     \global\let\@subtitle\@empty
22775     \global\let\@extratitle\@empty
22776     \global\let\@frontispiece\@empty
22777     \global\let\@titlehead\@empty
22778     \global\let\@subject\@empty
22779     \global\let\@publishers\@empty
22780     \global\let\@uppertitleback\@empty
22781     \global\let\@lowertitleback\@empty
22782     \global\let\@dedication\@empty
22783     \global\let\author\relax
22784     \global\let\title\relax
22785     \global\let\extratitle\relax
22786     \global\let\titlehead\relax
22787     \global\let\subject\relax
22788     \global\let\publishers\relax
22789     \global\let\uppertitleback\relax
22790     \global\let\lowertitleback\relax
22791     \global\let\dedication\relax
22792     \global\let\date\relax
22793 \fi
22794 \global\let\and\relax
22795 }%
22796 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
22797 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}

```



```

22798 \renewcommand*\thesection{%
22799   \expandafter\ifnum\scr@v@is@gt{2.97d}%
22800     \if@mainmatter\thechapter\@SepMark\fi
22801   \else
22802     \thechapter\@SepMark%
22803   \fi
22804   \@arabic\c@section
22805 }
22806 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
22807 \renewcommand*\thesubsubsection{%
22808   \thesubsection\@SepMark\@arabic\c@subsubsection
22809 }
22810 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
22811 \renewcommand*\thesubparagraph{%
22812   \theparagraph\@SepMark\@arabic\c@subparagraph
22813 }
22814 \expandafter\ifnum\scr@v@is@le{2.97d}%
22815   \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
22816 \fi
22817 \expandafter\ifnum\scr@v@is@le{2.97d}%
22818   \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
22819 \fi
22820 \renewcommand*\theequation{%
22821   \expandafter\ifnum\scr@v@is@gt{2.97d}%
22822     \if@mainmatter\thechapter\@SepMark\fi
22823   \else
22824     \thechapter\@SepMark%
22825   \fi
22826   \@arabic\c@equation
22827 }
22828 \renewenvironment{thebibliography}[1]{%
22829   \if@bib@break@
22830     \bib@beginhook
22831   \else
22832     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22833       \setchapterpreamble{\bibpreamble}%
22834     \fi\fi
22835     \bib@heading
22836     \bib@beginhook
22837     \bib@before@hook
22838   \fi
22839   \renewcommand{\BreakBibliography}[1]{%
22840     \@bib@break
22841     \end{thebibliography}%
22842     \begingroup ##1\endgroup
22843     \begin{thebibliography}{#1}
22844   }%
22845   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
22846   \bidi@@thebibliography@font@hook%
22847   \list{%
22848     \@biblabel{\@arabic\c@enumiv}%
22849   }{%
22850     \settowidth\labelwidth{\@biblabel{#1}}%
22851     \leftmargin\labelwidth

```



```

22852 \advance\leftmargin\labelsep
22853 \@openbib@code
22854 \if@bib@break@
22855 \edef\@tempa{%
22856 \noexpand\usecounter{enumiv}%
22857 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22858 }\@tempa
22859 \no@bib@break
22860 \else
22861 \usecounter{enumiv}%
22862 \fi
22863 \let\p@enumiv\@empty
22864 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
22865 }%
22866 \sloppy\clubpenalty4000 \widowpenalty4000
22867 \sfcode`\.\@m
22868 }{%
22869 \if@bib@break@
22870 \def\@noitemerr{%
22871 \@latex@warning{%
22872 \string\BreakBibliography\space at begin of `thebibliography'
22873 environment\MessageBreak
22874 or following \string\BreakBibliography}%
22875 }%
22876 \else
22877 \def\@noitemerr{%
22878 \@latex@warning{%
22879 Empty `thebibliography' environment or
22880 \string\BreakBibliography\MessageBreak
22881 before end of `thebibliography' environment}%
22882 }%
22883 \fi
22884 \endlist
22885 \if@bib@break@
22886 \else
22887 \bib@after@hook
22888 \let\bib@before@hook\@empty
22889 \let\bib@after@hook\@empty
22890 \fi
22891 \bib@endhook
22892 }
22893 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
22894 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
22895 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
22896 \renewcommand\marginline[1]{%
22897 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}
22898 }
22899 \renewcommand{\@makecaption}[3]{%
22900 \cap@margin
22901 \begingroup
22902 \ifonelinecaptions
22903 \def\stepcounter##1{\advance\value{##1}\@ne}%
22904 \let\refstepcounter\stepcounter
22905 \let\label\@gobble

```



```

22906 \let\@footnotetext=\@gobble
22907 \let\@LTRfootnotetext=\@gobble
22908 \let\@RTLfootnotetext=\@gobble
22909 \let\hypertarget\@gobbletwo
22910 \edef\xnewline{%
22911   \unexpanded{\ClassInfo{\KOMAClassName}{%
22912     Workaround for not recommended usage of \string\ or\MessageBreak
22913     \string\newline in caption text
22914   }}%
22915   \hspace*{\linewidth}\hspace{1sp}%
22916 }%
22917 \unexpanded\expandafter{\xnewline}%
22918 }%
22919 \edef\@xcentercr{%
22920   \unexpanded{\ClassInfo{\KOMAClassName}{%
22921     Workaround for not recommended usage of \string\ or\MessageBreak
22922     \string\newline in caption text
22923   }}%
22924   \hspace*{\linewidth}\hspace{1sp}%
22925 }%
22926 \unexpanded\expandafter{\@xcentercr}%
22927 }%
22928 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
22929 \ifdim\@tempdima>\cap@width
22930   \aftergroup\scr@makemultilinecaption
22931 \else
22932   \aftergroup\scr@makesinglelinecaption
22933 \fi
22934 \else
22935   \aftergroup\scr@makemultilinecaption
22936 \fi
22937 \endgroup
22938 {#1}{#2}{#3}%
22939 }
22940 \renewcommand{\scr@makesinglelinecaption}[3]{%
22941   {%
22942     \usefontofkomafont{caption}{%
22943       \hb@xt@\hszize{%
22944         \cap@left
22945         \if@RTL
22946           \beginR
22947         \fi
22948         \scr@makesinglelinecaption{#1}{#2}{#3}%
22949         \if@RTL
22950           \endR
22951         \fi
22952         \cap@right
22953       }\par\kern\dp\strutbox%
22954     }%
22955   }\kern-\dp\strutbox
22956 }
22957 \renewcommand{\@makecaption}[2]{%
22958   \if@captionabove
22959     \vskip\belowcaptionskip

```



```

22960 \else
22961   \vskip\abovecaptionskip
22962 \fi
22963 \@makecaption\@firstofone{#1}{#2}%
22964 \ifcaptionabove
22965   \vskip\abovecaptionskip
22966 \else
22967   \vskip\belowcaptionskip
22968 \fi
22969 }
22970
22971 \renewcommand{\scr@makesinglelinecaption}[3]{%
22972   {\usekomafont{caption}{\strut\ignorespaces
22973     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
22974     \ignorespaces #3\unskip}}%
22975 }
22976
22977 \renewcommand{\scr@makemultilinecaption}[3]{%
22978   {%
22979     \usefontofkomafont{caption}{%
22980       \hb@xt@\hsize{%
22981         \cap@left
22982         \vbox{\hsize\cap@width\linewidth\hsize
22983           \scr@ifundefinedorrelax{@capttype}{%
22984             \ClassWarning{KOMAClassName}{%
22985               `string\caption' outside float.\MessageBreak
22986               Seems you are using `string\caption' outside a
22987               float.\MessageBreak
22988               Maybe you are using a package that uses
22989               `string\@makecaption'\MessageBreak
22990               without setting `string\@capttype' before.\MessageBreak
22991               Because I cannot detect the caption type, I'm using\MessageBreak
22992               the empty one.%
22993             }%
22994             \let\@capttype\@empty
22995           }{}}%
22996           \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
22997             \@nameuse{ragged\@capttype caption}}%
22998           }%
22999           \ifdoofullc@p
23000             \@hangfrom{%
23001               \strut
23002               \scr@smashdp{%
23003                 #1{%
23004                   \usekomafont{caption}{%
23005                     \usekomafont{captionlabel}{#2\captionformat}}%
23006                 }%
23007               }%
23008             }%
23009           }%
23010           {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23011 \else
23012   \ifdim\cap@indent<\z@
23013     \strut

```



```

23014         #1{%
23015             {\usekomafont{caption}{%
23016                 \usekomafont{captionlabel}{#2\captionformat}%
23017             }%
23018         }\par}%
23019         \noindent{{\usekomafont{caption}{%
23020             \hspace*{-\cap@indent}#3\scr@endstrut
23021         }}\par}%
23022     \else
23023         \if@capbreak
23024             \strut
23025             #1{%
23026                 {\usekomafont{caption}{%
23027                     \usekomafont{captionlabel}{#2\captionformat}%
23028                 }
23029             }\par}%
23030         \noindent\@hangfrom{\hspace*{\cap@indent}}%
23031         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23032     \else
23033         \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23034         {%
23035             \hspace*{-\cap@indent}%
23036             \scr@smashdp{%
23037                 #1{\usekomafont{caption}{%
23038                     \usekomafont{captionlabel}{#2\captionformat}%
23039                 }%
23040             }%
23041         }%
23042         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23043     }%
23044     \fi
23045     \fi
23046     \fi
23047     }%
23048     \cap@right
23049     }\par\kern\dp\strutbox
23050 }%
23051 }\kern-\dp\strutbox
23052 }
23053
23054
23055 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23056     \if@komalongtable
23057         \renewcommand{\LT@makecaption}[3]{%
23058             \noalign{%
23059                 \if@captionabove
23060                     \vskip\belowcaptionskip
23061                 \else
23062                     \vskip\abovecaptionskip
23063                 \fi
23064             }%
23065             \LT@mcol\LT@cols c{%
23066                 \hbox to\z@{\hss\parbox[t]\linewidth{%
23067                     \def\@capttype{table}%

```




```

23068         \@makecaption{#1}{#2}{#3}%
23069         \endgraf
23070         \ifcaptionabove
23071             \vskip\abovecaptionskip
23072         \else
23073             \vskip\belowcaptionskip
23074         \fi
23075     }%
23076     \hss
23077 }%
23078 }%
23079 }%
23080 \renewcommand*{\scr@LT@array}{}%
23081 \let\scr@LT@array=\LT@array
23082 \renewcommand*{\LT@array}{%
23083     \let\scr@caption=\LT@caption
23084     \def\captionabove{\noalign{\global\@captionabovetrue}%
23085         \scr@caption}%
23086     \def\captionbelow{\noalign{\global\@captionabovefalse}%
23087         \scr@caption}%
23088     \iftablecaptionabove
23089         \let\LT@caption=\captionabove
23090     \else
23091         \let\LT@caption=\captionbelow
23092     \fi
23093     \scr@LT@array
23094 }%
23095 \ClassInfo{\KOMAClassName}{%
23096     longtable captions redefined%
23097 }%
23098 \fi
23099 }
23100
23101 \CloneTOCEntryStyle{tocline}{part}
23102 \TOCEntryStyleStartInitCode{part}{%
23103     \expandafter\renewcommand%
23104     \csname scr@tso@#1@linefill\endcsname{\hfill}%
23105     \expandafter\renewcommand%
23106     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23107     \expandafter\renewcommand%
23108     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23109         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
23110     \expandafter\renewcommand\expandafter*%
23111     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
23112 }
23113
23114 \CloneTOCEntryStyle{tocline}{chapter}
23115 \TOCEntryStyleStartInitCode{chapter}{%
23116     \expandafter\renewcommand%
23117     \csname scr@tso@#1@linefill\endcsname{%
23118         \ifchapterentrywithdots
23119             {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23120         \else
23121             \hfill

```



```

23122 \fi
23123 }%
23124 \expandafter\renewcommand%
23125 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
23126 \expandafter\renewcommand%
23127 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23128 {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
23129 \expandafter\renewcommand\expandafter*%
23130 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
23131 }
23132
23133 \CloneTOCEntryStyle{tocline}{section}
23134 \TOCEntryStyleStartInitCode{section}{%
23135 \expandafter\renewcommand%
23136 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23137 \expandafter\renewcommand%
23138 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23139 {\normalfont\normalcolor ##1}}%
23140 }
23141
23142 \CloneTOCEntryStyle{section}{default}
23143
23144 \DeclareSectionCommand[%
23145 style=chapter,%
23146 level=\z@,%
23147 pagestyle=plain,%
23148 tocstyle=chapter,%
23149 tocindent=\z@,%
23150 tocnumwidth=1.5em%
23151 ]{chapter}
23152 \DeclareSectionCommand[%
23153 style=section,%
23154 level=1,%
23155 indent=\z@,%
23156 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
23157 afterskip=2.3ex \@plus .2ex,%
23158 tocstyle=section,%
23159 tocindentfollows=chapter,%
23160 tocindent=1.5em,%
23161 tocnumwidth=2.3em%
23162 ]{section}
23163 \DeclareSectionCommand[%
23164 style=part,%
23165 level=\m@ne,%
23166 pagestyle=plain,%
23167 tocstyle=part,%
23168 toclevel=\m@ne,%
23169 tocindent=\z@,%
23170 tocnumwidth=2em%
23171 ]{part}
23172 \DeclareSectionCommand[%
23173 style=section,%
23174 level=2,%
23175 indent=\z@,%

```



```

23176 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
23177 afterskip=1.5ex \@plus .2ex,%
23178 tocstyle=section,%
23179 tocindent=3.8em,%
23180 tocnumwidth=3.2em%
23181 ]{subsection}
23182 \DeclareSectionCommand[%
23183 style=section,%
23184 level=3,%
23185 indent=\z@,%
23186 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
23187 afterskip=1.5ex \@plus .2ex,%
23188 tocstyle=section,%
23189 tocindent=7.0em,%
23190 tocnumwidth=4.1em%
23191 ]{subsubsection}
23192 \DeclareSectionCommand[%
23193 style=section,%
23194 level=4,%
23195 indent=\z@,%
23196 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
23197 afterskip=-1em,%
23198 tocindentfollows=subsubsection,%
23199 tocstyle=section,%
23200 tocindent=10em,%
23201 tocnumwidth=5em%
23202 ]{paragraph}
23203 \DeclareSectionCommand[%
23204 style=section,%
23205 level=5,%
23206 indent=\scr@parindent,%
23207 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
23208 afterskip=-1em,%
23209 tocstyle=section,%
23210 tocindent=12em,%
23211 tocnumwidth=6em%
23212 ]{subparagraph}

```

143 File `scrreprt-xetex-bidi.def`

```

23213 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class
23214 \newcommand{\scr@saved@LTRfootnotetext}{}
23215 \newcommand{\scr@saved@RTLfootnotetext}{}
23216 \let\scr@saved@footnotetext\@footnotetext
23217 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
23218 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
23219 \renewcommand{\@footnotetext}[1]{%
23220 \scr@saved@footnotetext{#1}%
23221 \csname FN@mf@prepare\endcsname
23222 }
23223 \renewcommand{\@LTRfootnotetext}[1]{%
23224 \scr@saved@LTRfootnotetext{#1}%
23225 \csname FN@mf@prepare\endcsname
23226 }

```



```

23227 \renewcommand{\@RTLfootnotetext}[1]{%
23228   \scr@saved@RTLfootnotetext{#1}%
23229   \csname FN@mf@prepare\endcsname
23230 }
23231 \renewcommand\deffootnote[4][1]{%
23232   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
23233     \long\def\@makefntext##1{%
23234       \ExecuteDoHook{footnote/text/begin}%
23235       \raggedfootnote
23236       \if@RTL
23237         \rightskip
23238       \else
23239         \leftskip
23240       \fi
23241       #2
23242       \l@addto@macro\@trivlist{%
23243         \ifnum\@listdepth=\@ne
23244           \if@RTL
23245             \advance\rightmargin #2\relax
23246           \else
23247             \advance\leftmargin #2\relax
23248           \fi
23249         \fi
23250       }%
23251       \parindent #3\noindent
23252       \IfArgIsEmpty{#1}{-}{%
23253         \hskip \dimexpr #1-#2\relax
23254       }%
23255       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
23256       \ExecuteDoHook{footnote/text/end}%
23257     }%
23258   \else
23259     \ClassInfo{\KOMAClassName}{%
23260       Using old \string\@makefntext\space due to compatibility
23261       level\MessageBreak
23262       less than 3.22}%
23263     \long\def\@makefntext##1{%
23264       \setlength{\@tempdimc}{#3}%
23265       \def\@tempa{#1}\ifx\@tempa\@empty
23266         \@setpar{\@par
23267           \@tempdima = \hsize
23268           \addtolength{\@tempdima}{-#2}%
23269         \if@RTL
23270           \parshape \@ne \z@ \@tempdima
23271         \else
23272           \parshape \@ne #2 \@tempdima
23273         \fi
23274       }%
23275     \else
23276       \addtolength{\@tempdimc}{#2}%
23277       \addtolength{\@tempdimc}{-#1}%
23278       \@setpar{\@par
23279         \@tempdima = \hsize
23280         \addtolength{\@tempdima}{-#1}%

```



```

23281         \@tempdimb = \hsize
23282         \addtolength{\@tempdimb}{-#2}%
23283         \if@RTL
23284             \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
23285         \else
23286             \parshape \tw@ #1 \@tempdima #2 \@tempdimb
23287         \fi
23288     }%
23289     \fi
23290     \par
23291     \parindent\@tempdimc\noindent
23292     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
23293 }%
23294 \fi
23295 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
23296 }
23297 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
23298 \renewcommand*\left@footnoterule{%
23299     \normalsize\ftn@rule@test@values
23300     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
23301     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23302     {\usekomafont{footnoterule}{%
23303         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
23304     \kern 2.6\p@}
23305 \renewcommand*\right@footnoterule{%
23306     \normalsize\ftn@rule@test@values
23307     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
23308     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23309     {\usekomafont{footnoterule}{%
23310         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode}
23311         \kern 2.6\p@}
23312     \renewcommand*\maketitle[1][1]{%
23313         \expandafter\ifnum \c@name scr@v@3.12\endcsname>\scr@compatibility\relax
23314         \else
23315             \def\and{%
23316                 \end{tabular}%
23317                 \hskip 1em \@plus.17fil%
23318                 \begin{tabular}[t]{c}%
23319             }%
23320         \fi
23321         \if@titlepage
23322             \begin{titlepage}
23323                 \setcounter{page}{%
23324                     #1%
23325                 }%
23326             \if@titlepageiscoverpage
23327                 \edef\t@titlepage@restore{%
23328                     \noexpand\endgroup
23329                     \noexpand\global\noexpand\@colht\the\@colht
23330                     \noexpand\global\noexpand\@colroom\the\@colroom
23331                     \noexpand\global\vsizethe\vsizethe
23332                     \noexpand\global\noexpand\@titlepageiscoverpagefalse
23333                     \noexpand\let\noexpand\t@titlepage@restore\noexpand\relax
23334                 }%

```



```

23335     \beginngroup
23336     \topmargin=\dimexpr \coverpagetopmargin-1in\relax
23337     \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
23338     \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
23339     \textwidth=\dimexpr
23340     \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
23341     \textheight=\dimexpr
23342     \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
23343     \headheight=0pt
23344     \headsep=0pt
23345     \footskip=\baselineskip
23346     \@colht=\textheight
23347     \@colroom=\textheight
23348     \vsize=\textheight
23349     \columnwidth=\textwidth
23350     \hsize=\columnwidth
23351     \linewidth=\hsize
23352 \else
23353     \let\titlepage@restore\relax
23354 \fi
23355 \let\footnotesize\small
23356 \let\right@footnoterule\relax
23357 \let\left@footnoterule\relax
23358 \let\textwidth@footnoterule\relax
23359 \let\footnote\thanks
23360 \let\LTRfootnote\LTRthanks
23361 \let\RTLfootnote\RTLthanks
23362 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23363 \let\@oldmakefnmark\@makefnmark
23364 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
23365 \ifx\@extratitle\@empty
23366     \ifx\@frontispiece\@empty
23367     \else
23368         \if@twoside\mbox{}\next@tpage\fi
23369         \noindent\@frontispiece\next@tdpage
23370     \fi
23371 \else
23372     \noindent\@extratitle
23373     \ifx\@frontispiece\@empty
23374     \else
23375         \next@tpage
23376         \noindent\@frontispiece
23377     \fi
23378     \next@tdpage
23379 \fi
23380 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
23381 \ifx\@titlehead\@empty \else
23382     \begin{minipage}[t]{\textwidth}%
23383         \usekomafont{titlehead}{\@titlehead\par}%
23384     \end{minipage}\par
23385 \fi
23386 \null\vfill
23387 \begin{center}
23388     \ifx\@subject\@empty \else

```



```

23389         {\usekomafont{subject}{\@subject\par}}%
23390         \vskip 3em
23391     \fi
23392     {\usekomafont{title}{\huge \@title\par}}%
23393     \vskip 1em
23394     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
23395     \vskip 2em
23396     {%
23397         \usekomafont{author}{%
23398             \lineskip 0.75em
23399             \begin{tabular}[t]{c}
23400                 \@author
23401             \end{tabular}\par
23402         }%
23403     }%
23404     \vskip 1.5em
23405     {\usekomafont{date}{\@date \par}}%
23406     \vskip \z@ \@plus3fill
23407     {\usekomafont{publishers}{\@publishers \par}}%
23408     \vskip 3em
23409     \end{center}\par
23410     \@thanks\global\let\@thanks\@empty
23411     \vfill\null
23412     \if@twoside
23413         \@tempwattrue
23414         \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
23415         \else
23416             \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
23417                 \@tempwafalse
23418             \fi\fi
23419         \fi
23420         \if@tempswa
23421             \next@tpage
23422             \begin{minipage}[t]{\textwidth}
23423                 \@uppertitleback
23424             \end{minipage}\par
23425             \vfill
23426             \begin{minipage}[b]{\textwidth}
23427                 \@lowertitleback
23428             \end{minipage}\par
23429             \@thanks\global\let\@thanks\@empty
23430         \fi
23431     \else
23432         \ifx\@uppertitleback\@empty\else
23433             \ClassWarning{\KOMAClassName}{%
23434                 non empty \string\uppertitleback\space ignored
23435                 by \string\maketitle\MessageBreak
23436                 in `twoside=false' mode%
23437             }%
23438         \fi
23439         \ifx\@lowertitleback\@empty\else
23440             \ClassWarning{\KOMAClassName}{%
23441                 non empty \string\lowertitleback\space ignored
23442                 by \string\maketitle\MessageBreak

```



```

23443         in `twoside=false' mode%
23444     }%
23445     \fi
23446 \fi
23447 \ifx\@dedication\@empty
23448 \else
23449     \next@tdpage\null\vfill
23450     {\centering\usekomafont{dedication}{\@dedication \par}}%
23451     \vskip \z@ \@plus3fill
23452     \@thanks\global\let\@thanks\@empty
23453     \cleardoubleemptypage
23454     \fi
23455     \ifx\titlename@restore\relax\else\clearpage\titlename@restore\fi
23456 \end{titlename}
23457 \else
23458     \par
23459     \@tempcnta=%
23460     #1%
23461     \relax\ifnum\@tempcnta=1\else
23462         \ClassWarning{\KOMAClassName}{%
23463             Optional argument of \string\maketitle\space ignored\MessageBreak
23464             in `titlepage=false' mode%
23465         }%
23466     \fi
23467     \ifx\@uppertitleback\@empty\else
23468         \ClassWarning{\KOMAClassName}{%
23469             non empty \string\uppertitleback\space ignored
23470             by \string\maketitle\MessageBreak
23471             in `titlepage=false' mode%
23472         }%
23473     \fi
23474     \ifx\@lowertitleback\@empty\else
23475         \ClassWarning{\KOMAClassName}{%
23476             non empty \string\lowertitleback\space ignored
23477             by \string\maketitle\MessageBreak
23478             in `titlepage=false' mode%
23479         }%
23480     \fi
23481 \begingroup
23482     \let\titlename@restore\relax
23483     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23484     \let\@oldmakefnmark\@makefnmark
23485     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
23486     \next@tdpage
23487     \if@twocolumn
23488         \ifnum \col@number=\@ne
23489             \ifx\@extratitle\@empty
23490                 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23491             \else
23492                 \@makeextratitle
23493             \fi
23494             \ifx\@frontispiece\@empty
23495                 \ifx\@extratitle\@empty\else\next@tdpage\fi
23496         \else

```




```

23497         \next@tpage
23498         \@makefrontispiece
23499         \next@tdpage
23500     \fi
23501     \@maketitle
23502 \else
23503     \ifx\@extratitle\@empty
23504     \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23505     \else
23506     \twocolumn[\@makeextratitle]%
23507     \fi
23508     \ifx\@frontispiece\@empty
23509     \ifx\@extratitle\@empty\else\next@tdpage\fi
23510 \else
23511     \next@tpage
23512     \twocolumn[\@makefrontispiece]%
23513     \next@tdpage
23514     \fi
23515     \twocolumn[\@maketitle]%
23516 \fi
23517 \else
23518     \ifx\@extratitle\@empty
23519     \ifx\@frontispiece\@empty\else \mbox{}\fi
23520     \else
23521     \@makeextratitle
23522     \fi
23523     \ifx\@frontispiece\@empty
23524     \ifx\@extratitle\@empty\else\next@tdpage\fi
23525     \else
23526     \next@tpage
23527     \@makefrontispiece
23528     \next@tdpage
23529     \fi
23530     \@maketitle
23531 \fi
23532 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
23533 \@thanks\global\let\@thanks\@empty
23534 \endgroup
23535 \fi
23536 \setcounter{footnote}{0}%
23537 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
23538 \let\thanks\relax
23539 \let\LTRthanks\relax
23540 \let\RTLthanks\relax
23541 \let\maketitle\relax
23542 \let\@maketitle\relax
23543 \global\let\@thanks\@empty
23544 \global\let\@author\@empty
23545 \global\let\@date\@empty
23546 \global\let\@title\@empty
23547 \global\let\@subtitle\@empty
23548 \global\let\@extratitle\@empty
23549 \global\let\@frontispiece\@empty
23550 \global\let\@titlehead\@empty

```



```

23551 \global\let\@subject\@empty
23552 \global\let\@publishers\@empty
23553 \global\let\@uppertitleback\@empty
23554 \global\let\@lowertitleback\@empty
23555 \global\let\@dedication\@empty
23556 \global\let\author\relax
23557 \global\let\title\relax
23558 \global\let\extratitle\relax
23559 \global\let\titlehead\relax
23560 \global\let\subject\relax
23561 \global\let\publishers\relax
23562 \global\let\uppertitleback\relax
23563 \global\let\lowertitleback\relax
23564 \global\let\dedication\relax
23565 \global\let\date\relax
23566 \fi
23567 \global\let\and\relax
23568 }%
23569 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
23570 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
23571 \renewcommand*\thesection{%
23572 \thechapter\@SepMark%
23573 \@arabic\c@section
23574 }
23575 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
23576 \renewcommand*\thesubsubsection{%
23577 \thesubsection\@SepMark\@arabic\c@subsubsection
23578 }
23579 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
23580 \renewcommand*\thesubparagraph{%
23581 \theparagraph\@SepMark\@arabic\c@subparagraph
23582 }
23583 \expandafter\ifnum\scr@v@is@le{2.97d}%
23584 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
23585 \fi
23586 \expandafter\ifnum\scr@v@is@le{2.97d}%
23587 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
23588 \fi
23589 \renewcommand*\theequation{%
23590 \thechapter\@SepMark%
23591 \@arabic\c@equation
23592 }
23593 \renewenvironment{thebibliography}[1]{%
23594 \if@bib@break@
23595 \bib@beginhook
23596 \else
23597 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
23598 \setchapterpreamble{\bibpreamble}%
23599 \fi\fi
23600 \bib@heading
23601 \bib@beginhook
23602 \bib@before@hook
23603 \fi
23604 \renewcommand{\BreakBibliography}[1]{%

```



```

23605 \@bib@break
23606 \end{thebibliography}%
23607 \begingroup ##1\endgroup
23608 \begin{thebibliography}{#1}
23609 }%
23610 \ifRTL\ifLTRbibitems@RTLfalse\else\fi\else\ifRTLbibitems@RTLtrue\else\fi\fi
23611 \bidi@thebibliography@font@hook%
23612 \list{%
23613   \biblabel{\@arabic\c@enumiv}%
23614 }{%
23615   \settowidth\labelwidth{\biblabel{#1}}%
23616   \leftmargin\labelwidth
23617   \advance\leftmargin\labelsep
23618   \@openbib@code
23619   \if@bib@break@
23620     \edef\@tempa{%
23621       \noexpand\usecounter{enumiv}%
23622       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
23623     }\@tempa
23624     \no@bib@break
23625   \else
23626     \usecounter{enumiv}%
23627   \fi
23628   \let\p@enumiv\@empty
23629   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
23630 }%
23631 \sloppy\clubpenalty4000 \widowpenalty4000
23632 \sfcode\.\=@m
23633 }{%
23634 \if@bib@break@
23635   \def\@noitemerr{%
23636     \@latex@warning{%
23637       \string\BreakBibliography\space at begin of `thebibliography'
23638       environment\MessageBreak
23639       or following \string\BreakBibliography}%
23640   }%
23641   \else
23642     \def\@noitemerr{%
23643       \@latex@warning{%
23644         Empty `thebibliography' environment or
23645         \string\BreakBibliography\MessageBreak
23646         before end of `thebibliography' environment}%
23647     }%
23648   \fi
23649 \endlist
23650 \if@bib@break@
23651 \else
23652   \bib@after@hook
23653   \let\bib@before@hook\@empty
23654   \let\bib@after@hook\@empty
23655 \fi
23656 \bib@endhook
23657 }
23658 \renewcommand*\{\raggeddictum}{\ifRTL\raggedright\else\raggedleft\fi}

```



```

23659 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
23660 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
23661 \renewcommand\marginline[1]{%
23662   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
23663 }
23664 \renewcommand{\@makecaption}[3]{%
23665   \cap@margin
23666   \begingroup
23667   \ifonelinecaptions
23668     \def\stepcounter##1{\advance\value{##1}\@ne}%
23669     \let\refstepcounter\stepcounter
23670     \let\label@gobble
23671     \let\@footnotetext=@gobble
23672     \let\@LTRfootnotetext=@gobble
23673     \let\@RTLfootnotetext=@gobble
23674     \let\hypertarget@gobbletwo
23675     \edef\xnewline{%
23676       \unexpanded{\ClassInfo{\KOMAClassName}{%
23677         Workaround for not recommended usage of \string\\ or\MessageBreak
23678         \string\newline in caption text
23679       }}%
23680       \hspace*{\linewidth}\hspace{1sp}%
23681     }%
23682     \unexpanded\expandafter{\xnewline}%
23683   }%
23684   \edef\xcentercr{%
23685     \unexpanded{\ClassInfo{\KOMAClassName}{%
23686       Workaround for not recommended usage of \string\\ or\MessageBreak
23687       \string\newline in caption text
23688     }}%
23689     \hspace*{\linewidth}\hspace{1sp}%
23690   }%
23691   \unexpanded\expandafter{\xcentercr}%
23692 }%
23693 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
23694 \ifdim\@tempdima>\cap@width
23695   \aftergroup\scr@makemultilinecaption
23696 \else
23697   \aftergroup\scr@makesinglelinecaption
23698 \fi
23699 \else
23700   \aftergroup\scr@makemultilinecaption
23701 \fi
23702 \endgroup
23703 {#1}{#2}{#3}%
23704 }
23705 \renewcommand{\scr@makesinglelinecaption}[3]{%
23706   {%
23707     \usefontofkomafont{caption}{%
23708       \hb@xt@\hsize{%
23709         \cap@left
23710         \if@RTL
23711           \beginR
23712           \fi

```



```

23713     \scr@makesinglelinecaption{#1}{#2}{#3}%
23714     \if@RTL
23715         \endR
23716     \fi
23717     \cap@right
23718     }\par\kern\dp\strutbox%
23719     }%
23720 }\kern-\dp\strutbox
23721 }
23722 \renewcommand{\@makecaption}[2]{%
23723     \if@captionabove
23724         \vskip\belowcaptionskip
23725     \else
23726         \vskip\abovecaptionskip
23727     \fi
23728     \@makecaption\@firstofone{#1}{#2}%
23729     \if@captionabove
23730         \vskip\abovecaptionskip
23731     \else
23732         \vskip\belowcaptionskip
23733     \fi
23734 }
23735
23736 \renewcommand{\scr@makesinglelinecaption}[3]{%
23737     {\usekomafont{caption}{\strut\ignorespaces
23738     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
23739     \ignorespaces #3\unskip}}%
23740 }
23741
23742 \renewcommand{\scr@makemultilinecaption}[3]{%
23743     {%
23744     \usefontofkomafont{caption}{%
23745     \hb@xt@\hsize{%
23746     \cap@left
23747     \vbox{\hsize\cap@width\linewidth\hsize
23748     \scr@ifundefinedorrelax{@captive}{%
23749     \ClassWarning{KOMAClassName}{%
23750     \string\caption' outside float.\MessageBreak
23751     Seems you are using \string\caption' outside a
23752     float.\MessageBreak
23753     Maybe you are using a package that uses
23754     \string\@makecaption'\MessageBreak
23755     without setting \string\@captive' before.\MessageBreak
23756     Because I cannot detect the caption type, I'm using\MessageBreak
23757     the empty one.%
23758     }%
23759     \let\@captive\@empty
23760     }-}%
23761     \scr@ifundefinedorrelax{ragged\@captive caption}{\raggedcaption}{%
23762     \@nameuse{ragged\@captive caption}%
23763     }%
23764     \ifdofullc@p
23765     \@hangfrom{%
23766     \strut

```



```

23767 \scr@smashdp{%
23768 #1{%
23769 \usekomafont{caption}{%
23770 \usekomafont{captionlabel}{#2\captionformat}%
23771 }%
23772 }%
23773 }%
23774 }%
23775 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23776 \else
23777 \ifdim\cap@indent<\z@
23778 \strut
23779 #1{%
23780 {\usekomafont{caption}{%
23781 \usekomafont{captionlabel}{#2\captionformat}%
23782 }%
23783 }\par}%
23784 \noindent{{\usekomafont{caption}{%
23785 \hspace*{-\cap@indent}#3\scr@endstrut
23786 }}\par}%
23787 \else
23788 \if@capbreak
23789 \strut
23790 #1{%
23791 {\usekomafont{caption}{%
23792 \usekomafont{captionlabel}{#2\captionformat}%
23793 }%
23794 }\par}%
23795 \noindent\@hangfrom{\hspace*{\cap@indent}}%
23796 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23797 \else
23798 \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23799 {%
23800 \hspace{-\cap@indent}%
23801 \scr@smashdp{%
23802 #1{\usekomafont{caption}{%
23803 \usekomafont{captionlabel}{#2\captionformat}%
23804 }%
23805 }%
23806 }%
23807 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23808 }%
23809 \fi
23810 \fi
23811 \fi
23812 }%
23813 \cap@right
23814 }\par\kern\dp\strutbox
23815 }%
23816 }\kern-\dp\strutbox
23817 }
23818
23819
23820 \bidi@AfterFile{longtable-xetex-bidi.def}{%

```



```

23821 \if@komalongtable
23822 \renewcommand{\LT@makecaption}[3]{%
23823 \noalign{%
23824 \if@captionabove
23825 \vskip\belowcaptionskip
23826 \else
23827 \vskip\abovecaptionskip
23828 \fi
23829 }%
23830 \LT@mcol\LT@cols c{%
23831 \hbox to\z@{\hss\parbox[t]\linewidth{%
23832 \def\@capttype{table}%
23833 \@makecaption{#1}{#2}{#3}%
23834 \endgraf
23835 \if@captionabove
23836 \vskip\abovecaptionskip
23837 \else
23838 \vskip\belowcaptionskip
23839 \fi
23840 }%
23841 \hss
23842 }%
23843 }%
23844 }%
23845 \renewcommand*{\scr@LT@array}{}%
23846 \let\scr@LT@array=\LT@array
23847 \renewcommand*{\LT@array}{%
23848 \let\scr@caption=\LT@caption
23849 \def\captionabove{\noalign{\global\@captionabovetrue}%
23850 \scr@caption}%
23851 \def\captionbelow{\noalign{\global\@captionabovefalse}%
23852 \scr@caption}%
23853 \if@tablecaptionabove
23854 \let\LT@caption=\captionabove
23855 \else
23856 \let\LT@caption=\captionbelow
23857 \fi
23858 \scr@LT@array
23859 }%
23860 \ClassInfo{\KOMAClassName}{%
23861 longtable captions redefined%
23862 }%
23863 \fi
23864 }
23865
23866 \CloneTOCEntryStyle{tocline}{part}
23867 \TOCEntryStyleStartInitCode{part}{%
23868 \expandafter\renewcommand%
23869 \csname scr@tso@#1@linefill\endcsname{\hfill}%
23870 \expandafter\renewcommand%
23871 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23872 \expandafter\renewcommand%
23873 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23874 {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}}%

```



```

23875 \expandafter\renewcommand\expandafter*%
23876 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
23877 }
23878
23879 \CloneTOCEntryStyle{tocline}{chapter}
23880 \TOCEntryStyleStartInitCode{chapter}{%
23881 \expandafter\renewcommand%
23882 \csname scr@tso@#1@linefill\endcsname{%
23883 \if@chapterentrywithdots
23884 {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23885 \else
23886 \hfill
23887 \fi
23888 }%
23889 \expandafter\renewcommand%
23890 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}}%
23891 \expandafter\renewcommand%
23892 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23893 {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
23894 \expandafter\renewcommand\expandafter*%
23895 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
23896 }
23897
23898 \CloneTOCEntryStyle{tocline}{section}
23899 \TOCEntryStyleStartInitCode{section}{%
23900 \expandafter\renewcommand%
23901 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23902 \expandafter\renewcommand%
23903 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23904 {\normalfont\normalcolor ##1}}%
23905 }
23906
23907 \CloneTOCEntryStyle{section}{default}
23908
23909 \DeclareSectionCommand[%
23910 style=chapter,%
23911 level=\z@,%
23912 pagestyle=plain,%
23913 tocstyle=chapter,%
23914 tocindent=\z@,%
23915 tocnumwidth=1.5em%
23916 ]{chapter}
23917 \DeclareSectionCommand[%
23918 style=section,%
23919 level=1,%
23920 indent=\z@,%
23921 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
23922 afterskip=2.3ex \@plus .2ex,%
23923 tocstyle=section,%
23924 tocindentfollows=chapter,%
23925 tocindent=1.5em,%
23926 tocnumwidth=2.3em%
23927 ]{section}
23928 \DeclareSectionCommand[%

```




```

23929 style=part,%
23930 level=\m@ne,%
23931 pagestyle=plain,%
23932 tocstyle=part,%
23933 toplevel=\m@ne,%
23934 tocindent=\z@,%
23935 tocnumwidth=2em%
23936 ]{part}
23937 \DeclareSectionCommand[%
23938 style=section,%
23939 level=2,%
23940 indent=\z@,%
23941 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
23942 afterskip=1.5ex \@plus .2ex,%
23943 tocstyle=section,%
23944 tocindent=3.8em,%
23945 tocnumwidth=3.2em%
23946 ]{subsection}
23947 \DeclareSectionCommand[%
23948 style=section,%
23949 level=3,%
23950 indent=\z@,%
23951 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
23952 afterskip=1.5ex \@plus .2ex,%
23953 tocstyle=section,%
23954 tocindent=7.0em,%
23955 tocnumwidth=4.1em%
23956 ]{subsubsection}
23957 \DeclareSectionCommand[%
23958 style=section,%
23959 level=4,%
23960 indent=\z@,%
23961 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
23962 afterskip=-1em,%
23963 tocindentfollows=subsubsection,%
23964 tocstyle=section,%
23965 tocindent=10em,%
23966 tocnumwidth=5em%
23967 ]{paragraph}
23968 \DeclareSectionCommand[%
23969 style=section,%
23970 level=5,%
23971 indent=\scr@parindent,%
23972 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
23973 afterskip=-1em,%
23974 tocstyle=section,%
23975 tocindent=12em,%
23976 tocnumwidth=6em%
23977 ]{subparagraph}

```

144 File sidecap-xetex-bidi.def

```

23978 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package
23979 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%

```



```

23980 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {#2}\hspace{\sidecaptionsep}{#1}}\else%
23981 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {#1}\hspace{\sidecaptionsep}{#2}}\fi}
23982 \renewcommand*{\SC@justify@caption}{if@RTL%
23983 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
23984 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

145 File soul-xetex-bidi.def

```

23985 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for Xe
23986 \long\def\SOUL@start#1{%
23987 \let\bidi@RTL@everypar\@empty
23988 \let\<\SOUL@lowerthan
23989 \let\>\empty
23990 \def\soulomit{\noexpand\soulomit}%
23991 \gdef\SOUL@eventuallyxhyphen##1{%
23992 \let\SOUL@soeventuallyskip\relax
23993 \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
23994 \@minus\fontdimen4\font
23995 \SOUL@ignorespacesfalse
23996 \leavevmode
23997 \SOUL@preamble
23998 \SOUL@lasttoken={}%
23999 \SOUL@word={}%
24000 \SOUL@minus\z@
24001 \SOUL@comma\z@
24002 \SOUL@apo\z@
24003 \SOUL@grave\z@
24004 \SOUL@do{#1}%
24005 \SOUL@postamble
24006 }}
24007 \def\SOUL@ulunderline#1{%
24008 \setbox\z@\hbox{#1}%
24009 \dimen@=\wd\z@
24010 \dimen@i=\SOUL@uloverlap
24011 \advance\dimen@2\dimen@i
24012 \if@RTL
24013 \unhcopy\z@
24014 \llap{%
24015 \null
24016 \kern-\dimen@i
24017 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
24018 }%
24019 \else
24020 \rlap{%
24021 \null
24022 \kern-\dimen@i
24023 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
24024 }%
24025 \unhcopy\z@
24026 \fi
24027 }}
24028 \def\bidi@SOUL@ulleaders{%
24029 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\
24030 }

```



```

24031 \def\SOUL@uleveryspace#1{%
24032     \if@RTL
24033     #1%
24034     \bidi@SOUL@ulleaders
24035     \hskip\spaceskip
24036     \else
24037     \SOUL@ulcolor{%
24038     #1%
24039     \SOUL@ulleaders
24040     \hskip\spaceskip
24041     }%
24042     \fi
24043     \null
24044 }

```

146 File stabular-xetex-bidi.def

```

24045 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular packag
24046 \def\@stabular{%
24047     \leavevmode \bgroup \if@RTLtab\beginR \fi
24048     \let\@acol\@tabacol
24049     \let\@classz\@tabclassz
24050     \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
24051 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
24052     \egroup \if@RTLtab\endR\fi\egroup}
24053 \expandafter \let \csname endstabular*\endcsname = \endstabular
24054 \def\@sarray[#1]#2{%
24055     \bgroup
24056     \setbox\@arstrutbox\hbox{%
24057         \vrule \@height\arraystretch\ht\strutbox
24058         \@depth\arraystretch \dp\strutbox
24059         \@width\z@}%
24060     \mkpream{#2}%
24061     \edef\@preamble{%
24062         \ialign \noexpand\@halignto
24063         \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
24064     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24065     \let\@tabularnewline\%
24066     \let\@sharp##%
24067     \set@typeset@protect
24068     \lineskip\z@skip\baselineskip\z@skip
24069     \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
24070     \@preamble}

```

147 File subfigure-xetex-bidi.def

```

24071 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure pack
24072 \AtBeginDocument{%
24073 \let\p@subfigure=\thefigure
24074 \let\p@subtable=\thetable%
24075 }

```

148 File tabs-xetex-bidi.def



```

24076 \ProvidesFile{tabls-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabls package for
24077 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
24078
24079 \expandafter\let\csname endtabular*\endcsname=\endtabular
24080
24081 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
24082 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
24083 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
24084
24085 \def\@array[#1]#2{% remember global variables to allow recursion:
24086 \edef\@unrecurse{\global\@skip@above\the\@skip@above
24087 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
24088 \let\@otarlinesep\@tarlinesep \global\@skip@above-\@otarlinesep
24089 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
24090 \else \let\@tarlinesep\tablinesep \fi
24091 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
24092 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
24093 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
24094 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
24095 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
24096 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
24097 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
24098 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
24099 \let\protect\noexpand
24100 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
24101 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
24102 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24103 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
24104 \bgroup \let\par\@empty
24105 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
24106 \advance\extrarulesep.5\arrayrulewidth
24107 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
24108 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
24109 \@preamble}

```

149 File tabularx-xetex-bidi.def

```

24110 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx packag
24111 \def\TX@endtabularx{%
24112 \expandafter\expandafter\expandafter
24113 \TX@find@endtabularxa\csname end\TX@\endcsname
24114 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
24115 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
24116 \let\verb\TX@verb
24117 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
24118 \edef\TX@ckpt{\cl@ckpt}%
24119 \let\@elt\relax
24120 \TX@old@table\maxdimen
24121 \TX@col@width\TX@target
24122 \global\TX@cols\@ne
24123 \TX@typeout@
24124 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
24125 \TX@trial{\def\NC@rewrite@X{%
24126 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}%

```



```

24127 \loop
24128   \TX@arith
24129   \ifTX@
24130   \TX@trial{}%
24131 \repeat
24132 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
24133  \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
24134  \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
24135  \csname tabular*\expandafter\endcsname\expandafter\TX@target
24136    \the\toks@
24137    \csname endtabular*\endcsname}%
24138 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
24139 \ifnum0=`{\fi}%
24140 \expandafter\expandafter\expandafter
24141 \TX@find@endtabularxbb
24142 \expandafter\end\expandafter{\TX@}%
24143 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
24144 }
24145
24146 \def\TX@trial#1{%
24147   \setbox\@tempboxa\hbox{%
24148     #1\relax
24149     \let\@footnotetext\TX@trial@ftn
24150     \let\@LTRfootnotetext\TX@trial@ftn
24151     \let\@RTLfootnotetext\TX@trial@ftn
24152     \let\TX@vwarn\@empty
24153     \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
24154     \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
24155     \def\write{\begingroup
24156       \def\let{\afterassignment\endgroup\toks@}%
24157       \afterassignment\let\count@}%
24158     \hbadness\@M
24159     \hfuzz\maxdimen
24160     \let\hbadness\@tempcnta
24161     \let\hfuzz\@tempdima
24162     \expandafter\tabular\the\toks@
24163     \endtabular}%
24164   \TX@ckpt
24165   \TX@typeout@{\@spaces
24166     \expandafter\TX@align
24167     \the\wd\@tempboxa\space\space\space\space\space\@@
24168     \expandafter\TX@align
24169     \the\TX@col@width\space\space\space\space\space\@@
24170     \@spaces\the\TX@cols}}
24171
24172 \long\def\TX@LTRftntext#1{%
24173   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
24174     [\the\csname c@\@mpfn\endcsname]}%
24175   \global\TX@ftn\expandafter{\@tempa{#1}}}%
24176 \long\def\TX@xLTRftntext[#1]#2{%
24177   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}%
24178
24179 \long\def\TX@RTLftntext#1{%
24180   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext

```



```

24181             [\the\csname c@\mpfn\endcsname}}%
24182 \global\TX@ftn\expandafter{\@tempa{#1}}}%
24183 \long\def\TX@xRTLftntext[#1]#2{%
24184 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}

```

150 File tabulary-xetex-bidi.def

```

24185 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
24186 \def\@testpach{\@chclass
24187 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
24188 \ifnum \@lastchclass=7 5 \else
24189 \ifnum \@lastchclass=8 \tw@ \else
24190 \ifnum \@lastchclass=9 \thr@@
24191 \else \z@
24192 \ifnum \@lastchclass = 10 \else
24193 \edef\@nextchar{\expandafter\string\@nextchar}%
24194 \@chnum
24195 \if \@nextchar c\z@ \else
24196 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
24197 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
24198 \if \@nextchar C7 \else
24199 \if \@nextchar L8 \else
24200 \if \@nextchar R9 \else
24201 \if \@nextchar J10 \else
24202 \z@ \@chclass
24203 \if \@nextchar |\@ne \else
24204 \if \@nextchar !6 \else
24205 \if \@nextchar @7 \else
24206 \if \@nextchar <8 \else
24207 \if \@nextchar >9 \else
24208 10
24209 \@chnum
24210 \if \@nextchar m\thr@@\else
24211 \if \@nextchar p4 \else
24212 \if \@nextchar b5 \else
24213 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
24214 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

151 File tc-xetex-bidi.def

```

24215 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
24216 \def\@cliptoboxdim#1{%
24217 \setbox#1=\hbox{%
24218 \Gin@defaultbp\WIDTH{\wd#1}%
24219 \Gin@defaultbp\DEPTH{\dp#1}%
24220 \@tempdima\ht#1%
24221 \advance\@tempdima\dp#1%
24222 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
24223 \beginL\special{pdf:bcontent }%
24224 \special{%
24225 pdf:literal direct
24226 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
24227 }%
24228 \special{pdf:literal direct W }%

```



```

24229     \special{pdf:literal direct n }%
24230     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
24231     \special{pdf:econtent }\endL%
24232   }%
24233 }

```

152 File tcolorbox-xetex-bidi.def

```

24234 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packag
24235 \let\endtcbox@lrbox=\endminipage
24236 \let\endtcbox@savebox=\endtcbox@lrbox
24237
24238 \bidi@patchcmd{\tcb@vbox}{%
24239   \let\@footnotetext\@mpfootnotetext%
24240 }{%
24241   \let\@footnotetext\@mpfootnotetext%
24242   \let\@LTRfootnotetext\@mpLTRfootnotetext%
24243   \let\@RTLfootnotetext\@mpRTLfootnotetext%
24244 }{}{}
24245
24246 \bidi@patchcmd{\endtcbox@vbox}{%
24247   \footnoterule%
24248 }{%
24249   \bidi@mpfootnoterule%
24250 }{}{}
24251 \bidi@apptocmd\tcb@colorbox{%
24252   \@bidi@list@minipage@parboxfalse
24253 }{}{}

```

153 File titlesec-xetex-bidi.def

```

24254 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec packag
24255 \renewcommand\filright{%
24256   \gdef\ttl@filleft##1{\hskip##1}%
24257   \gdef\ttl@filright##1{\hfill}%
24258   \let\\\@centercr
24259   \advance\rightskip\z@ \@plus 1fil
24260   \parfillskip\z@}
24261 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
24262   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
24263   \setlength\leftskip{#6}%
24264   \setlength\rightskip{#7}%
24265   \interlinepenalty\@M
24266   \ttl@change@centercr
24267   \ttl@begin@longest
24268   #1{\ifhmode\ttl@hmode@error\fi
24269     \ttl@glcmds
24270     \parindent\z@
24271     \leavevmode
24272     \begin@group
24273     \ifttl@label
24274       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
24275       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
24276       \llap{\box\z@}%

```



```

24277     \fi
24278     #4{#8}%
24279     \kern\z@\strut\@@par
24280     \endgroup
24281     \nobreak\ttl@midlongest#5\@@par}%
24282 \ttl@endlongest}

```

154 File `titletoc-xetex-bidi.def`

```

24283 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
24284 \renewcommand\filright{%
24285   \gdef\ttl@filleft##1{\hskip##1}%
24286   \gdef\ttl@filright##1{\hfill}%
24287   \let\\\@centercr
24288   \advance\rightskip\z@ \@plus 1fil
24289 \parfillskip\z@}
24290 \renewcommand\contentspush[1]{%
24291   \sbox\z@{#1}%
24292   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
24293   \aftergroup\ttl@b
24294   \leavevmode\llap{\box\z@}}
24295 \def\ttl@outnoblock#1#2#3{%
24296   \begingroup
24297   \ifnum\ttl@b>\ttl@a
24298     \nobreak
24299   \else\ifnum\ttl@b<\ttl@a
24300     \addpenalty{\@secpenalty}%
24301   \else
24302     \addpenalty{\z@}%
24303   \fi\fi
24304   \ttl@contentsstretch
24305   \nobreak
24306   \ifcase#1\relax\else\interlinepenalty\M\fi
24307   \parindent\z@
24308   \ifx\@nil#2%
24309     \PackageError{titletoc}{Unimplemented}%
24310     {The optional argument is currently mandatory}%
24311   \else
24312     \if@RTL\setlength\rightskip{#2}\else
24313     \setlength\leftskip{#2}\fi%
24314   \fi
24315   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
24316   \let\contentsmargin\ttl@margin
24317   \def\ttl@makeline##1{##1}%
24318   #3%
24319   \addtolength{\parfillskip}{-\ttl@corr}%
24320   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
24321   \let\ttl@leaders\leaders}
24322 \renewcommand\ttl@margin[2][\z@]{%
24323   \def\ttl@corr{#1}%
24324   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
24325   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
24326   \def\@pnumwidth{#2}}
24327 \let\ttl@savel@part\l@part

```




```

24328 \def\l@part{\ttl@lselect{part}}
24329
24330 \let\ttl@savel@chapter\l@chapter
24331 \def\l@chapter{\ttl@lselect{chapter}}

```

155 File tocbibind-xetex-bidi.def

```

24332 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind pack
24333 \if@dotocbib
24334 \@ifpackageloaded{natbib}{}{% natbib not loaded
24335 \renewcommand{\bibsection}{\t@cb@bchapsec}
24336 \renewenvironment{thebibliography}[1]{%
24337 \bibsection
24338 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
24339 \renewenvironment{thebibitemlist}[1]{
24340 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
24341 \bidi@@thebibliography@font@hook%
24342 \list{\@biblabel{\@arabic\c@enumiv}}{%
24343 {\settowidth\labelwidth{\@biblabel{#1}}%
24344 \leftmargin\labelwidth
24345 \advance\leftmargin\labelsep
24346 \@openbib@code
24347 \usecounter{enumiv}%
24348 \let\p@enumiv\@empty
24349 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
24350 \sloppy
24351 \clubpenalty4000
24352 \@clubpenalty \clubpenalty
24353 \widowpenalty4000%
24354 \sfcode`\.\@m}
24355 {\def\@noitemerr
24356 {\@latex@warning{Empty `thebibliography' environment}}%
24357 \endlist}
24358
24359 \@ifpackagewith{chapterbib}{sectionbib}%
24360 {\renewcommand{\sectionbib}[2]{}}%
24361 {}
24362
24363 \fi
24364 \if@inltxdoc\else
24365 \renewenvironment{theindex}%
24366 {\if@twocolumn
24367 \@restonecolfalse
24368 \else
24369 \@restonecoltrue
24370 \fi
24371 \if@bibchapter
24372 \if@donumindex
24373 \refstepcounter{chapter}
24374 \twocolumn[\vspace*{2\topskip}%
24375 \makechapterhead{\indexname}]%
24376 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
24377 \chaptermark{\indexname}
24378 \else

```



```

24379         \if@dotocind
24380             \twocolumn[\vspace*{2\topskip}%
24381                 \@makeschapterhead{\indexname}]%
24382             \prw@mkboth{\indexname}
24383             \addcontentsline{toc}{chapter}{\indexname}
24384         \else
24385             \twocolumn[\vspace*{2\topskip}%
24386                 \@makeschapterhead{\indexname}]%
24387             \prw@mkboth{\indexname}
24388         \fi
24389     \fi
24390 \else
24391     \if@donumindex
24392         \twocolumn[\vspace*{-1.5\topskip}%
24393             \@nameuse{\@tocextra}{\indexname}]%
24394         \csname \@tocextra mark\endcsname{\indexname}
24395     \else
24396         \if@dotocind
24397             \twocolumn[\vspace*{-1.5\topskip}%
24398                 \toc@headstar{\@tocextra}{\indexname}]%
24399             \prw@mkboth{\indexname}
24400             \addcontentsline{toc}{\@tocextra}{\indexname}
24401         \else
24402             \twocolumn[\vspace*{-1.5\topskip}%
24403                 \toc@headstar{\@tocextra}{\indexname}]%
24404             \prw@mkboth{\indexname}
24405         \fi
24406     \fi
24407 \fi
24408 \thispagestyle{plain}\parindent\z@
24409 \parskip\z@ \@plus .3\p@\relax
24410 \let\item\@idxitem}
24411 {\if@restonecol\onecolumn\else\clearpage\fi}
24412 \fi

```

156 File tocloft-xetex-bidi.def

```

24413 \ProvidesFile{tocloft-xetex-bidi.def}[2023/08/02 v0.3 bidi adaptations for tocloft package
24414 \renewcommand{\cftpnumalign}{\if@RTL l\else r\fi}
24415 \let\cftdot\@SepMark
24416 \if@cfthaspart
24417 \renewcommand*{\l@part}[2]{
24418     \@cftdopartfalse
24419     \ifnum \c@tocdepth >-2\relax
24420         \if@cfthaschapter
24421             \@cftdoparttrue
24422         \fi
24423         \ifnum \c@tocdepth >\m@ne
24424             \if@cfthaschapter\else
24425                 \@cftdoparttrue
24426             \fi
24427         \fi
24428     \fi
24429 \if@cftdopart

```



```

24430 \if@cfthaschapter
24431 \addpenalty{-\@highpenalty}
24432 \else
24433 \addpenalty\@secpenalty
24434 \fi
24435 \addvspace{\cftbeforepartskip}
24436 \begingroup
24437 {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
24438 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24439 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24440 \parindent \cftpartindent\relax\@afterindenttrue
24441 \interlinepenalty\@M
24442 \leavevmode
24443 \@tempdima \cftpartnumwidth\relax
24444 \let\@cftbsnum \cftpartpresnum
24445 \let\@cftasnum \cftpartaftersnum
24446 \let\@cftasnumb \cftpartaftersnumb
24447 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
24448 {\cftpartfont \cftpartpresnum #1}
24449 \cftpartfillnum{#2}}
24450 \nobreak
24451 \if@cfthaschapter
24452 \global\@nobreaktrue
24453 \everypar{\global\@nobreakfalse\everypar{}}
24454 \else
24455 \if@compatibility
24456 \global\@nobreaktrue
24457 \everypar{\global\@nobreakfalse\everypar{}}
24458 \fi
24459 \fi
24460 \endgroup
24461 \fi}
24462 \fi
24463 \if@cfthaschapter
24464 \renewcommand*{\l@chapter}[2]{
24465 \ifnum \c@tocdepth >\m@ne
24466 \addpenalty{-\@highpenalty}
24467 \vskip \cftbeforechapskip
24468 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
24469 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24470 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24471 \parindent \cftchapindent\relax\@afterindenttrue
24472 \interlinepenalty\@M
24473 \leavevmode
24474 \@tempdima \cftchapnumwidth\relax
24475 \let\@cftbsnum \cftchappresnum
24476 \let\@cftasnum \cftchapaftersnum
24477 \let\@cftasnumb \cftchapaftersnumb
24478 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
24479 {\cftchapfont #1}\nobreak
24480 \cftchapfillnum{#2}}
24481 \fi}
24482 \fi
24483 \renewcommand*{\l@section}[2]{%

```



```

24484 \ifnum \c@tocdepth >\z@
24485 \ifcfthaschapter
24486 \vskip \cftbeforesecskip
24487 \else
24488 \addpenalty\@secpenalty
24489 \addvspace{\cftbeforesecskip}
24490 \fi
24491 {\if@RTL\rightright\else\leftskip\fi \cftsecindent\relax
24492 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
24493 \parfillskip -\if@RTL\leftskip\else\rightright\fi
24494 \parindent \cftsecindent\relax\@afterindenttrue
24495 \interlinepenalty\@M
24496 \leavevmode
24497 \@tempdima \cftsecnumwidth\relax
24498 \let\@cftbsnum \cftsecpresnum
24499 \let\@cftasnum \cftsecftersnum
24500 \let\@cftasnumb \cftsecftersnumb
24501 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
24502 {\cftsecfont #1}\nobreak
24503 \cftsecfillnum{#2}}
24504 \fi}
24505 \renewcommand*\l@subsection}[2]{%
24506 \ifnum \c@tocdepth >\@ne
24507 \vskip \cftbeforesubsecskip
24508 {\if@RTL\rightright\else\leftskip\fi \cftsubsecindent\relax
24509 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
24510 \parfillskip -\if@RTL\leftskip\else\rightright\fi
24511 \parindent \cftsubsecindent\relax\@afterindenttrue
24512 \interlinepenalty\@M
24513 \leavevmode
24514 \@tempdima \cftsubsecnumwidth\relax
24515 \let\@cftbsnum \cftsubsecpresnum
24516 \let\@cftasnum \cftsubsecftersnum
24517 \let\@cftasnumb \cftsubsecftersnumb
24518 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
24519 {\cftsubsecfont #1}\nobreak
24520 \cftsubsecfillnum{#2}}
24521 \fi}
24522 \renewcommand*\l@subsubsection}[2]{%
24523 \ifnum \c@tocdepth >\tw@
24524 \vskip \cftbeforesubsubsecskip
24525 {\if@RTL\rightright\else\leftskip\fi \cftsubsubsecindent\relax
24526 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
24527 \parfillskip -\if@RTL\leftskip\else\rightright\fi
24528 \parindent \cftsubsubsecindent\relax\@afterindenttrue
24529 \interlinepenalty\@M
24530 \leavevmode
24531 \@tempdima \cftsubsubsecnumwidth\relax
24532 \let\@cftbsnum \cftsubsubsecpresnum
24533 \let\@cftasnum \cftsubsubsecftersnum
24534 \let\@cftasnumb \cftsubsubsecftersnumb
24535 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
24536 {\cftsubsubsecfont #1}\nobreak
24537 \cftsubsubsecfillnum{#2}}

```



```

24538 \fi}
24539 \renewcommand*{\l@paragraph}[2]{%
24540 \ifnum \c@tocdepth >3\relax
24541 \vskip \cftbeforeparaskip
24542 {\if@RTL\righskip\else\leftskip\fi \cftparaindent\relax
24543 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24544 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24545 \parindent \cftparaindent\relax\@afterindenttrue
24546 \interlinepenalty\@M
24547 \leavevmode
24548 \@tempdima \cftparanumwidth\relax
24549 \let\@cftbsnum \cftparapresnum
24550 \let\@cftasnum \cftparaaftersnum
24551 \let\@cftasnumb \cftparaaftersnumb
24552 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24553 {\cftparafont #1}\nobreak
24554 \cftparafillnum{#2}}
24555 \fi}
24556 \renewcommand*{\l@subparagraph}[2]{%
24557 \ifnum \c@tocdepth >4\relax
24558 \vskip \cftbeforeparaskip
24559 {\if@RTL\righskip\else\leftskip\fi \cftsubparaindent\relax
24560 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24561 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24562 \parindent \cftsubparaindent\relax\@afterindenttrue
24563 \interlinepenalty\@M
24564 \leavevmode
24565 \@tempdima \cftsubparanumwidth\relax
24566 \let\@cftbsnum \cftsubparapresnum
24567 \let\@cftasnum \cftsubparaaftersnum
24568 \let\@cftasnumb \cftsubparaaftersnumb
24569 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24570 {\cftsubparafont #1}\nobreak
24571 \cftsubparafillnum{#2}}
24572 \fi}
24573 \renewcommand*{\l@figure}[2]{%
24574 \ifnum \c@lofdepth >\z@
24575 \vskip \cftbeforefigskip
24576 {\if@RTL\righskip\else\leftskip\fi \cftfigindent\relax
24577 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24578 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24579 \parindent \cftfigindent\relax\@afterindenttrue
24580 \interlinepenalty\@M
24581 \leavevmode
24582 \@tempdima \cftfignumwidth\relax
24583 \let\@cftbsnum \cftfigpresnum
24584 \let\@cftasnum \cftfigaftersnum
24585 \let\@cftasnumb \cftfigaftersnumb
24586 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24587 {\cftfigfont #1}\nobreak
24588 \cftfigfillnum{#2}}
24589 \fi
24590 }
24591 \renewcommand*{\l@table}[2]{%

```



```

24592 \ifnum\c@lotdepth >\z@
24593 \vskip \cftbeforetabskip
24594 {\if@RTL\righskip\else\leftskip\fi \cfttabindent\relax
24595 \if@RTL\leftskip\else\righskip\fi \@tocmarg
24596 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24597 \parindent \cfttabindent\relax\@afterindenttrue
24598 \interlinepenalty\@M
24599 \leavevmode
24600 \@tempdima \cfttabnumwidth\relax
24601 \let\@cftbsnum \cfttabpresnum
24602 \let\@cftasnum \cfttabaftersnum
24603 \let\@cftasnumb \cfttabaftersnumb
24604 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24605 {\cfttabfont #1}\nobreak
24606 \cfttabfillnum{#2}}
24607 \fi
24608 }
24609 \renewcommand{\@cftl@subfig}{
24610 \renewcommand*\@l@subfigure}[2]{%
24611 \ifnum \c@lofdepth > \toclevel@subfigure
24612 \vskip \cftbeforesubfigskip
24613 {\if@RTL\righskip\else\leftskip\fi \cftsubfigindent\relax
24614 \if@RTL\leftskip\else\righskip\fi \@tocmarg
24615 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24616 \parindent \cftsubfigindent\relax\@afterindenttrue
24617 \interlinepenalty\@M
24618 \leavevmode
24619 \@tempdima \cftsubfignumwidth\relax
24620 \let\@cftbsnum \cftsubfigpresnum
24621 \let\@cftasnum \cftsubfigaftersnum
24622 \let\@cftasnumb \cftsubfigaftersnumb
24623 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24624 {\cftsubfigfont ##1}\nobreak
24625 \cftsubfigfillnum{##2}}
24626 \fi
24627 }
24628 }
24629 \renewcommand{\@cftl@subtab}{
24630 \renewcommand*\@l@subtable}[2]{%
24631 \ifnum \c@lotdepth > \toclevel@subtable
24632 \vskip \cftbeforesubtabskip
24633 {\if@RTL\righskip\else\leftskip\fi \cftsubtabindent\relax
24634 \if@RTL\leftskip\else\righskip\fi \@tocmarg
24635 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24636 \parindent \cftsubtabindent\relax\@afterindenttrue
24637 \interlinepenalty\@M
24638 \leavevmode
24639 \@tempdima \cftsubtabnumwidth\relax
24640 \let\@cftbsnum \cftsubtabpresnum
24641 \let\@cftasnum \cftsubtabaftersnum
24642 \let\@cftasnumb \cftsubtabaftersnumb
24643 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24644 {\cftsubtabfont ##1}\nobreak
24645 \cftsubtabfillnum{##2}}

```



```

24646 \fi
24647 }
24648 }
24649 \renewcommand{\newlistentry}[4][\@empty]{%
24650 \@ifundefined{c@#2}{% check & set the counter
24651 \ifx \@empty#1\relax
24652 \newcounter{#2}
24653 \else
24654 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
24655 {#1 has no counter for use as a `within'}
24656 \newcounter{#2}}%
24657 {\newcounter{#2}[#1]}%
24658 \expandafter\edef\csname the#2\endcsname{%
24659 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}
24660 \fi
24661 \setcounter{#2}{0}
24662 }
24663 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
24664
24665 \@namedef{l@#2}##1##2{%
24666 \ifnum \@nameuse{c@#3depth} > #4\relax
24667 \vskip \@nameuse{cftbefore#2skip}
24668 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
24669 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24670 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24671 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
24672 \interlinepenalty\@M
24673 \leavevmode
24674 \@tempdima \@nameuse{cft#2numwidth}\relax
24675 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
24676 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
24677 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
24678 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\ri
24679 f\@nameuse{cft#2font}##1}\nobreak
24680 \@nameuse{cft#2fillnum}{##2}}
24681 \fi
24682 } % end of \l@#2
24683
24684 \expandafter\newlength\csname cftbefore#2skip\endcsname
24685 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
24686 \expandafter\newlength\csname cft#2indent\endcsname
24687 \expandafter\newlength\csname cft#2numwidth\endcsname
24688 \ifcase #4\relax % 0
24689 \setlength{\@nameuse{cft#2indent}}{0em}
24690 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
24691 \or % 1
24692 \setlength{\@nameuse{cft#2indent}}{1.5em}
24693 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
24694 \or % 2
24695 \setlength{\@nameuse{cft#2indent}}{3.8em}
24696 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
24697 \or % 3
24698 \setlength{\@nameuse{cft#2indent}}{7.0em}
24699 \setlength{\@nameuse{cft#2numwidth}}{4.1em}

```



```

24700 \else % anything else
24701 \setlength{\@nameuse{cft#2indent}}{10.0em}
24702 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
24703 \fi
24704 \@namedef{cft#2font}{\normalfont}
24705 \@namedef{cft#2presnum}{}
24706 \@namedef{cft#2aftersnum}{}
24707 \@namedef{cft#2aftersnumb}{}
24708 \@namedef{cft#2dotsep}{\cftdotsep}
24709 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
24710 \@namedef{cft#2pagefont}{\normalfont}
24711 \@namedef{cft#2afterpnum}{}
24712 \@namedef{toclevel@#2}{#4}
24713 \@namedef{cft#2fillnum}##1{%
24714   {\@nameuse{cft#2leader}}\nobreak
24715   \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
24716 } % end \newlistentry
24717 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
24718   {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
24719   \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
24720   \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
24721   \textit{#1}\protect\par}}}

```

157 File tocbasic-xetex-bidi.def

```

24722 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/06/15 v0.5 bidi adaptations for tocbasic package]
24723 \bidi@undef\scr@dte@def@l@undottedtocline
24724 \bidi@undef\scr@dte@undottedtocline@init
24725 \DeclareTOCEntryStyle{undottedtocline}[%
24726   \DefineTOCEntryLengthOption{indent}%
24727   {scr@tso@}{@indent}{entry indent}%
24728   \DefineTOCEntryLengthOption{numwidth}%
24729   {scr@tso@}{@numwidth}{entry number width}%
24730   \@ifundefined{#1tocdepth}{%
24731     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24732       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24733         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24734           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24735             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24736               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24737                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24738                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24739                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24740                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
24741                       \csname #1numdepth\endcsname
24742                     }%
24743                   }%
24744                 }%
24745               }%
24746             }%
24747           }%
24748         }%
24749       }%
24750     }%

```




```

24751 }-%
24752 \@ifundefined{scr@tso@#1@indent}{%
24753   \@ifundefined{scr@#1@tocindent}{%
24754     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24755       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24756         \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24757           \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24758             \scr@ifundefinedorrelax{1@chapter}{%
24759               \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
24760                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24761                   \Ifstr{#1}{subsubsection}{%
24762                     \@namedef{scr@tso@#1@indent}{3.8em}%
24763                   }-%
24764                   \Ifstr{#1}{paragraph}{%
24765                     \@namedef{scr@tso@#1@indent}{7em}%
24766                   }-%
24767                   \Ifstr{#1}{subparagraph}{%
24768                     \@namedef{scr@tso@#1@indent}{10em}%
24769                   }-%
24770                 }-%
24771               }-%
24772             }-%
24773           }-%
24774         }-%
24775       }-%
24776       \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24777         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
24778           \Ifstr{#1}{subsubsection}{%
24779             \@namedef{scr@tso@#1@indent}{7.0em}%
24780           }-%
24781           \Ifstr{#1}{paragraph}{%
24782             \@namedef{scr@tso@#1@indent}{10em}%
24783           }-%
24784           \Ifstr{#1}{subparagraph}{%
24785             \@namedef{scr@tso@#1@indent}{12em}%
24786           }-%
24787         }-%
24788       }-%
24789     }-%
24790   }-%
24791 }-%
24792 }-%
24793 }-%
24794 }-%
24795 }-%
24796 }-%
24797 }-%
24798   \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24799 }-%
24800 }-%
24801 \@ifundefined{scr@tso@#1@numwidth}{%
24802   \@ifundefined{scr@#1@tocnumwidth}{%
24803     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24804       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%

```



```

24805 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24806 \scr@ifundefinedorrelax{chapter}{%
24807 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24808 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24809 \Ifstr{#1}{subsubsection}{%
24810 \@namedef{scr@tso@#1@numwidth}{3.2em}%
24811 }{%
24812 \Ifstr{#1}{paragraph}{%
24813 \@namedef{scr@tso@#1@numwidth}{4.1em}%
24814 }{%
24815 \Ifstr{#1}{subparagraph}{%
24816 \@namedef{scr@tso@#1@numwidth}{5em}%
24817 }{%
24818 }%
24819 }%
24820 }%
24821 }%
24822 }%
24823 }{%
24824 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24825 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
24826 \Ifstr{#1}{subsubsection}{%
24827 \@namedef{scr@tso@#1@numwidth}{3.1em}%
24828 }{%
24829 \Ifstr{#1}{paragraph}{%
24830 \@namedef{scr@tso@#1@numwidth}{5em}%
24831 }{%
24832 \Ifstr{#1}{subparagraph}{%
24833 \@namedef{scr@tso@#1@numwidth}{6em}%
24834 }{%
24835 }%
24836 }%
24837 }%
24838 }%
24839 }%
24840 }%
24841 }%
24842 }%
24843 }%
24844 }{%
24845 \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
24846 }%
24847 }{%
24848 }]{%
24849 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
24850 \ifnum \@nameuse{#1tocdepth}<\@ne
24851 \scr@ifundefinedorrelax{chapter}{%
24852 \addpenalty\@secpenalty
24853 \addvspace{1.0em \@plus\p}%
24854 }{%
24855 \addpenalty{-\@highpenalty}%
24856 \vskip 1.0em \@plus\p@
24857 }%
24858 \else

```



```

24859     \addpenalty\@secpenalty
24860     \addvspace{1.0em \@plus\p@}%
24861   \fi
24862   \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
24863   \begingroup
24864     \parindent \z@ \bidi@rightskip \@pnumwidth
24865     \parfillskip -\@pnumwidth
24866     \leavevmode
24867     \bfseries
24868     \advance\bidi@leftskip\@tempdima
24869     \Iftofeature{\@currext}{noindent}{%
24870       \hskip -\bidi@leftskip
24871     }{%
24872       \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}}%
24873       \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
24874     }%
24875     ##1%
24876     \nobreak
24877     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
24878     \par
24879     \penalty\@highpenalty
24880   \endgroup
24881 \fi
24882 }
24883
24884 \bidi@undef\scr@dte@def@l@largetocline
24885 \bidi@undef\scr@dte@largetocline@init
24886 \DeclareTOCEntryStyle{largetocline}{%
24887   \DefineTOCEntryLengthOption{indent}%
24888   {scr@tso@}{@indent}{entry indent}%
24889   \@ifundefined{#1tocdepth}{%
24890     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24891       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24892         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24893           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24894             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24895               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24896                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24897                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24898                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24899                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
24900                       \csname #1numdepth\endcsname
24901                     }%
24902                   }%
24903                 }%
24904               }%
24905             }%
24906           }%
24907         }%
24908       }%
24909     }%
24910   }-}%
24911   \@ifundefined{scr@tso@#1@indent}{%
24912     \@ifundefined{scr@#1@tocindent}{%

```



```

24913 \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24914 \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24915 \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24916 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24917 \scr@ifundefinedorrelax{l@chapter}{%
24918 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
24919 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24920 \Ifstr{#1}{subsubsection}{%
24921 \@namedef{scr@tso@#1@indent}{3.8em}%
24922 }{%
24923 \Ifstr{#1}{paragraph}{%
24924 \@namedef{scr@tso@#1@indent}{7em}%
24925 }{%
24926 \Ifstr{#1}{subparagraph}{%
24927 \@namedef{scr@tso@#1@indent}{10em}%
24928 }{%
24929 }%
24930 }%
24931 }%
24932 }%
24933 }%
24934 }{%
24935 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24936 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
24937 \Ifstr{#1}{subsubsection}{%
24938 \@namedef{scr@tso@#1@indent}{7.0em}%
24939 }{%
24940 \Ifstr{#1}{paragraph}{%
24941 \@namedef{scr@tso@#1@indent}{10em}%
24942 }{%
24943 \Ifstr{#1}{subparagraph}{%
24944 \@namedef{scr@tso@#1@indent}{12em}%
24945 }{%
24946 }%
24947 }%
24948 }%
24949 }%
24950 }%
24951 }%
24952 }%
24953 }%
24954 }%
24955 }%
24956 }{%
24957 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24958 }%
24959 }{}%
24960 }]{%
24961 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
24962 \ifnum \@nameuse{#1tocdepth}<\@ne
24963 \scr@ifundefinedorrelax{chapter}{%
24964 \addpenalty\@secpenalty
24965 \addvspace{2.25em \@plus\p@}%
24966 }{%

```



```

24967     \addpenalty{-\@highpenalty}%
24968     \addvspace{2.25em \@plus\p@}%
24969   }%
24970 \else
24971   \addpenalty\@secpenalty
24972   \addvspace{2.25em \@plus\p@}%
24973 \fi
24974 \setlength\@tempdima{3em}%
24975 \begingroup
24976   \parindent \z@ \bidi@rightskip \@pnumwidth
24977   \parfillskip -\@pnumwidth
24978   \leavevmode
24979   \large
24980   \bfseries
24981   \iftocfeature{\@currentt}{noindent}{%
24982 }{%
24983   \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}}%
24984 }%
24985 ##1%
24986 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
24987 \par
24988 \nobreak
24989 \ifnum 0=
24990   \scr@ifundefinedorrelax{chapter}{\ifcompatibility 1\else 0\fi}{1}\relax
24991   \global\@nobreaktrue
24992   \everypar{\global\@nobreakfalse\everypar{}}%
24993 \fi
24994 \endgroup
24995 \fi
24996 }
24997
24998 \renewcommand*\scr@dte@tocline}[3]{%
24999   \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
25000   \else
25001     \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
25002     \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
25003     \@nameuse{Ifscr@tso@#1@dynindent}{%
25004       \expandafter\ifx\csname scr@tso@#1@indentfollows\endcsname\empty
25005       \PackageWarning{tocbasic}{`dynindent' for `#1' not available}}%
25006     \else
25007       \edef\reserved@a{\@nameuse{scr@tso@#1@indentfollows}}%
25008       \@for \reserved@a:=\reserved@a\do {%
25009         \scr@trim@spaces\reserved@a
25010         \ifx\reserved@a\empty\else
25011           \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
25012             }{%
25013               \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
25014                 \@tempdima\@nameuse{scr@tso@reserved@a @indent}\relax
25015                 \@nameuse{Ifscr@tso@reserved@a @dynnumwidth}{%
25016                   \scr@ifundefinedorrelax
25017                   {scr@dte@\reserved@a @lastmaxnumwidth}{%
25018                     \advance\@tempdima
25019                     \@nameuse{scr@tso@reserved@a @numwidth}\relax
25020                   }{%

```



```

25021         \advance\@tempdima
25022         \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
25023     }%
25024 }{%
25025     \advance\@tempdima
25026     \@nameuse{scr@tso@\reserved@a @numwidth}\relax
25027 }%
25028 \ifdim \@tempdima>\@nameuse{scr@tso@#1@indent}\relax
25029     \expandafter\edef\csname scr@tso@#1@indent\endcsname
25030     {\the\@tempdima}%
25031 \fi
25032 \fi
25033 }%
25034 \fi
25035 }%
25036 \fi
25037 }-}%
25038 {%-
25039 \Iftocfeature{\@currentt}{noindent}{%-
25040     \bidi@leftskip \z@
25041 }-}%
25042     \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
25043 }%
25044 \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
25045 \parfillskip -\bidi@rightskip
25046 \@nameuse{Ifscr@tso@#1@raggedpage}{%-
25047     \addtolength{\parfillskip}{\z@ \@plus 1fil}%
25048 }-}%
25049 \Iftocfeature{\@currentt}{noindent}{%-
25050     \parindent \z@
25051 }-}%
25052     \parindent \@nameuse{scr@tso@#1@indent}\relax
25053 }%
25054 \@afterindenttrue
25055 \interlinepenalty\@M
25056 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
25057     \addtolength\bidi@rightskip\@flushglue
25058 \else
25059     \def\reserved@a{\raggedright}%
25060     \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
25061         \addtolength\bidi@rightskip\@flushglue
25062     \else
25063         \renewcommand\reserved@a{\raggedright}%
25064         \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
25065             \addtolength\bidi@rightskip\@flushglue
25066         \fi
25067     \fi
25068 \fi
25069 \leavevmode
25070 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
25071 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%-
25072     \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{-}{%-
25073         \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
25074             \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax

```



```

25075     \fi
25076     }%
25077   }-%
25078   \advance\bidileftskip \@tempdima
25079   \null\nobreak\hskip -\bidileftskip
25080   {%
25081     \usetocbasicnumberline
25082     \let\scr@dte@numberline@box\numberline@box
25083     \def\numberline@box##1{%
25084       \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
25085       \global\scr@dte@tocline@numberwidth
25086       \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
25087       \relax
25088       \ifdim \scr@dte@tocline@numberwidth
25089         >\@nameuse{scr@dte@#1@maxnumwidth}\relax
25090       \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
25091     \fi
25092     \@nameuse{Ifscr@tso@#1@dynnumwidth}{-}{-%
25093       \ifdim \scr@dte@tocline@numberwidth
25094         >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
25095           +\@nameuse{scr@tso@#1@numsep}\relax\relax
25096       \PackageWarning{tocbasic}{-%
25097         number width of #1 toc entries should be
25098         increased!\MessageBreak
25099         Currently used number width =
25100         \the\wd\scr@dte@tocline@numbox,\MessageBreak
25101         Wanted number separation
25102         \space\space\space =
25103         \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
25104         Reserved number width \space\space\space\space\space\space =
25105         \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
25106       }%
25107     \fi
25108     }%
25109     \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
25110     \@nameuse{Ifscr@tso@#1@breakafternumber}{-%
25111       {\parfillskip\@flushglue\par}\nobreak\hskip-\bidileftskip
25112     }-%
25113   }%
25114   {\@nameuse{scr@tso@#1@entryformat}{-%
25115     #2%
25116     \nobreak
25117     {%
25118       \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
25119     \nobreak
25120     \expandafter\let\expandafter\scr@dte@pagenumberwidth
25121     \csname scr@tso@#1@pagenumberwidth\endcsname
25122     \@nameuse{scr@tso@#1@pagenumberbox}{-%
25123       \@nameuse{scr@tso@#1@pagenumberformat}{#3}}%
25124     }%
25125   }%
25126   }}\@par
25127   }%
25128 }%

```



```

25129 \tocbasic@SetPenaltyByTOCLevel{#1}%
25130 \fi
25131 }
25132
25133
25134 \bidi@undef\scr@dte@def@l@tocline
25135 \bidi@undef\scr@dte@tocline@init
25136 \DeclareTOCEntryStyle{tocline}[{%
25137 \DefineTOCEntryLengthOption{beforeskip}%
25138 {scr@tso@}{@beforeskip}{vertical skip before the entry}%
25139 \DefineTOCEntryIfOption{breakafternumber}%
25140 {scr@tso@}{@breakafternumber}{line break after number flag}%
25141 \DefineTOCEntryIfOption{dynnumwidth}%
25142 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
25143 \DefineTOCEntryListOption{indentfollows}%
25144 {scr@tso@}{@indentfollows}{list of levels that define the indent}%
25145 \DefineTOCEntryIfOption{dynindent}%
25146 {scr@tso@}{@dynindent}{dynamic indent width flag}%
25147 \DefineTOCEntryCommandOption{entryformat}%
25148 {scr@tso@}{@entryformat}[1]{entry format}%
25149 \DefineTOCEntryCommandOption{entrynumberformat}%
25150 {scr@tso@}{@numberformat}[1]{entry number format}%
25151 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
25152 {scr@tso@}{@linefill}{filling between text and page number}%
25153 \DefineTOCEntryLengthOption{numsep}%
25154 {scr@tso@}{@numsep}{entry number separation}%
25155 \DefineTOCEntryCommandOption{onstarthigherlevel}%
25156 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
25157 \DefineTOCEntryCommandOption{onstartlowerlevel}%
25158 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
25159 \DefineTOCEntryCommandOption{onstartsamelevel}%
25160 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
25161 \DefineTOCEntryCommandOption{pagenumberbox}%
25162 {scr@tso@}{@pagenumberbox}[1]{page number box}%
25163 \DefineTOCEntryCommandOption{pagenumberformat}%
25164 {scr@tso@}{@pagenumberformat}[1]{page number format}%
25165 \DefineTOCEntryLengthOption{pagenumberwidth}%
25166 {scr@tso@}{@pagenumberwidth}{width of page number box}%
25167 \DefineTOCEntryLengthOption{rightindent}%
25168 {scr@tso@}{@rightindent}{entry's text right indent}%
25169 \DefineTOCEntryOption{raggedentrytext}[true]{%
25170 \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
25171 \ifx\FamilyKeyState\FamilyKeyStateProcessed
25172 \if@tempswa
25173 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25174 \raggedright
25175 \else
25176 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25177 \relax
25178 \fi
25179 \fi
25180 }%
25181 \DefineTOCEntryIfOption{raggedpagenumber}%
25182 {scr@tso@}{@raggedpage}{page number ragged flag}%

```




```

25183 \DefineTOCEntryLengthOption{indent}%
25184   {scr@tso@}{@indent}{entry indent}%
25185 \DefineTOCEntryLengthOption{numwidth}%
25186   {scr@tso@}{@numwidth}{entry number width}%
25187 \scr@ifundefinedorrelax{#1tocdepth}{%
25188   \Ifstrstart{#1}{sub}{%
25189     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{}{%
25190       \expandafter\edef\csname #1tocdepth\endcsname{%
25191         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
25192       }%
25193     }%
25194   }{}%
25195 }{}%
25196 \@ifundefined{#1tocdepth}{%
25197   \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
25198     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
25199       \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
25200         \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
25201           \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
25202             \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
25203               \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
25204                 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
25205                   \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
25206                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
25207                     \csname #1numdepth\endcsname
25208                   }%
25209                 }%
25210               }%
25211             }%
25212           }%
25213         }%
25214       }%
25215     }%
25216   }%
25217 }{}%
25218 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
25219   \@ifundefined{scr@#1@tocindent}{%
25220     \Ifstrstart{#1}{sub}{%
25221       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
25222         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}{%
25223           \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25224             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25225           \relax
25226         }%
25227       }%
25228     }{}%
25229     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
25230       \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25231         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
25232       \relax
25233     }%
25234   }{}%
25235   \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25236     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%

```



```

25237                                     +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25238                                     \relax
25239                                     }%
25240                                 }%
25241                             }%
25242                         }{}%
25243                     }{%
25244                 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
25245             }%
25246         }{}%
25247     \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
25248         \Ifstrstart{#1}{sub}{%
25249             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%
25250                 \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
25251             }{%
25252                 \expandafter\let
25253                 \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
25254                 \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
25255             }%
25256         }{}%
25257         \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
25258     }%
25259 }{}%
25260 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
25261     \Ifstrstart{#1}{sub}{%
25262         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
25263             \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25264         }{%
25265             \expandafter\let
25266             \csname scr@tso@#1@rightindent\expandafter\endcsname
25267             \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
25268         }%
25269     }{}%
25270     \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25271 }%
25272 }{}%
25273 \@ifundefined{scr@tso@#1@indent}{%
25274     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25275     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25276     \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
25277     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
25278     \scr@ifundefinedorrelax{1@chapter}{%
25279         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
25280         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25281         \Ifstr{#1}{subsubsection}{%
25282             \@namedef{scr@tso@#1@indent}{3.8em}%
25283         }{%
25284             \Ifstr{#1}{paragraph}{%
25285                 \@namedef{scr@tso@#1@indent}{7em}%
25286             }{%
25287                 \Ifstr{#1}{subparagraph}{%
25288                     \@namedef{scr@tso@#1@indent}{10em}%
25289                 }{}%
25290             }%

```



```

25291         }%
25292     }%
25293 }%
25294 }%
25295 }{%
25296     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25297         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
25298             \Ifstr{#1}{subsubsection}{%
25299                 \@namedef{scr@tso@#1@indent}{7.0em}%
25300             }{%
25301                 \Ifstr{#1}{paragraph}{%
25302                     \@namedef{scr@tso@#1@indent}{10em}%
25303                 }{%
25304                     \Ifstr{#1}{subparagraph}{%
25305                         \@namedef{scr@tso@#1@indent}{12em}%
25306                     }{%
25307                         }%
25308                     }%
25309                 }%
25310             }%
25311         }%
25312     }%
25313 }%
25314 }%
25315 }%
25316 }%
25317 }{}%
25318 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
25319     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
25320         \Ifstrstart{#1}{sub}{%
25321             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
25322             \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
25323                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25324                     +.9em}%
25325             \relax
25326         }%
25327     }%
25328 }{}%
25329 }{%
25330     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
25331 }%
25332 }{}%
25333 \@ifundefined{scr@tso@#1@numwidth}{%
25334     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25335     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25336     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25337     \scr@ifundefinedorrelax{chapter}{%
25338         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25339         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25340         \Ifstr{#1}{subsubsection}{%
25341             \@namedef{scr@tso@#1@numwidth}{3.2em}%
25342         }{%
25343             \Ifstr{#1}{paragraph}{%
25344                 \@namedef{scr@tso@#1@numwidth}{4.1em}%

```



```

25345         }{%
25346         \Ifstr{#1}{subparagraph}{%
25347         \@namedef{scr@tso@#1@numwidth}{5m}%
25348         }{%
25349         }%
25350     }%
25351     }%
25352     }%
25353     }%
25354 }{%
25355 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25356 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
25357 \Ifstr{#1}{subsubsection}{%
25358 \@namedef{scr@tso@#1@numwidth}{3.1em}%
25359 }{%
25360 \Ifstr{#1}{paragraph}{%
25361 \@namedef{scr@tso@#1@numwidth}{5em}%
25362 }{%
25363 \Ifstr{#1}{subparagraph}{%
25364 \@namedef{scr@tso@#1@numwidth}{6em}%
25365 }{%
25366 }%
25367 }%
25368 }%
25369 }%
25370 }%
25371 }%
25372 }%
25373 }%
25374 }%
25375 }{}%
25376 \expandafter\renewcommand%
25377 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
25378 \expandafter\renewcommand%
25379 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
25380 \expandafter\renewcommand%
25381 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
25382 \@ifundefined{scr@tso@#1@beforeskip}{%
25383 \Ifstr{#1}{part}{%
25384 \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
25385 }{%
25386 \Ifstr{#1}{chapter}{%
25387 \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
25388 }{%
25389 \Ifstr{#1}{section}{%
25390 \scr@ifundefinedorrelax{1@chapter}{%
25391 \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
25392 }{}%
25393 }{}%
25394 }%
25395 }%
25396 \expandafter\renewcommand\expandafter*%
25397 \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
25398 }{}%

```



```

25399 \@ifundefined{scr@dte@#1@maxnumwidth}{%
25400   \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
25401   \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
25402 }{}%
25403 \renewcommand*{\scr@dte@donumwidth}{}%
25404 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
25405 \expandafter\renewcommand\expandafter*%
25406 \csname scr@tso@#1@numsep\endcsname{.4em}%
25407 \expandafter\renewcommand%
25408 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
25409 \Ifstr{#1}{part}{%
25410   \expandafter\providecommand%
25411   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
25412 }{%
25413   \Ifstr{#1}{chapter}{%
25414     \expandafter\providecommand%
25415     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25416   }{%
25417     \scr@ifundefinedorrelax{1@chapter}{%
25418       \Ifstr{#1}{section}{%
25419         \expandafter\providecommand%
25420         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25421       }{}%
25422     }{}%
25423     \expandafter\providecommand%
25424     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
25425   }%
25426 }%
25427 \expandafter\renewcommand
25428 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
25429 \@ifundefined{scr@tso@#1@linefill}{%
25430   \Ifstr{#1}{part}{%
25431     \@namedef{scr@tso@#1@linefill}{\hfill}%
25432   }{%
25433     \Ifstr{#1}{chapter}{%
25434       \@namedef{scr@tso@#1@linefill}{\hfill}%
25435     }{%
25436       \scr@ifundefinedorrelax{1@chapter}{%
25437         \Ifstr{#1}{section}{%
25438           \@namedef{scr@tso@#1@linefill}{\hfill}%
25439         }{}%
25440       }{}%
25441       \expandafter\renewcommand%
25442       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
25443     }%
25444   }%
25445 }{}%
25446 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
25447 \Ifstr{#1}{part}{%
25448   \expandafter\providecommand%
25449   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
25450 }{%
25451   \Ifstr{#1}{chapter}{%
25452     \expandafter\providecommand%

```



```

25453     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
25454   }{%
25455     \scr@ifundefinedorrelax{1@chapter}{%
25456       \Ifstr{#1}{section}{%
25457         \expandafter\providecommand%
25458         \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
25459       }{}%
25460     }{}%
25461     \expandafter\providecommand%
25462     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
25463       {\normalfont\normalcolor ##1}}%
25464   }%
25465 }%
25466 \expandafter\renewcommand%
25467 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
25468   \hb@xt@{\@nameuse{scr@dte@pagenumberwidth}}{\hfil ##1}}%
25469 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
25470 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
25471 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
25472   \Ifstrstart{#1}{sub}{%
25473     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
25474       \scr@dte@nosub{#1}}%
25475   }%
25476 }{}%
25477 \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\@empty
25478 }%
25479 }{}%
25480 }]{%
25481   \scr@dte@tocline{#1}{##1}{##2}%
25482 }
25483
25484 \if@bidi@csdef{scr@tso@figure@pagenumberformat}{%
25485   \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
25486     {\normalfont\normalcolor #1}%
25487   }%
25488 }{}
25489
25490 \if@bidi@csdef{scr@tso@table@pagenumberformat}{%
25491   \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
25492     {\normalfont\normalcolor #1}%
25493   }%
25494 }{}
25495

```

158 File tocstyle-xetex-bidi.def

```

25496 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
25497 \renewcommand*{\tocstyle@dottedtocline}[5]{%
25498   \let\numberline\tocstyle@numberline
25499   \ifnum #1>\c@tocdepth \else
25500     \if@tocstyle@penalties
25501       \beginingroup
25502         \@tempcnta 20010
25503         \advance \@tempcnta by -#1

```



```

25504     \ifnum \@tempcnta>\lastpenalty
25505         \aftergroup\penalty\aftergroup\@lowpenalty
25506     \fi
25507 \endgroup
25508 \fi
25509 \edef\tocstyledepth{#1}%
25510 \tocstyle@activate@features
25511 \ifx\tocstyle@feature@entryvskip\relax
25512     \vskip \z@ \@plus.2\p@
25513 \else
25514     \addvspace{\tocstyle@feature@entryvskip}%
25515 \fi
25516 {%
25517     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
25518     \tocstyle@feature@raggedhook
25519     \@tempdima #3\relax
25520     \@tempdimb #2\relax
25521     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25522     \ifnum #1>\z@\relax
25523         \@tempcnta #1\relax \advance\@tempcnta \m@ne
25524         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25525             \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25526                 \@tempdimb
25527                 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25528                 \advance\@tempdimb
25529                 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25530             \fi
25531         \fi
25532     \fi
25533     \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25534     \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
25535         \ifdim \@tempdimb>
25536             \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
25537             \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25538                 @#1\endcsname{\the\@tempdimb}%
25539         \fi
25540     \else
25541         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25542             @#1\endcsname{\the\@tempdimb}%
25543     \fi
25544     \iftocstyle@autolength
25545         \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25546             \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25547             \relax
25548         \fi
25549         \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25550             \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25551             \relax
25552         \fi
25553         \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25554         \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25555     \else
25556         \@tempdimb #2\relax
25557         \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%

```



```

25558 \fi
25559 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
25560 \ifdim \@tempdima>
25561 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
25562 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25563 @\endcsname{\the\@tempdima}%
25564 \fi
25565 \else
25566 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25567 @\endcsname{\the\@tempdima}%
25568 \fi
25569 \ifcase\tocstyle@indentstyle\relax\else
25570 \@tempdimb \z@
25571 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25572 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25573 \relax
25574 \fi
25575 \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25576 \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25577 \fi
25578 \advance\parindent \@tempdimb\@afterindenttrue
25579 \advance\if@RTL\rightright\else\leftskip\fi \parindent
25580 \advance\if@RTL\leftskip\else\rightright\fi \@tocmarg
25581 \parfillskip -\if@RTL\leftskip\else\rightright\fi
25582 \ifx\tocstyle@feature@parfillskip\relax\else
25583 \advance\parfillskip \tocstyle@feature@parfillskip\relax
25584 \fi
25585 \interlinepenalty\@M
25586 \leavevmode
25587 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima
25588 \null\nobreak
25589 \iftocstyle@indentnotnumbered\else
25590 \hskip -\if@RTL\rightright\else\leftskip\fi
25591 \fi
25592 \tocstyle@feature@entryhook
25593 {#4}\nobreak
25594 \ifx\tocstyle@feature@leaders\relax
25595 \leaders\hbox{${m@th
25596 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}}%
25597 \mkern \@dotsep mu$}\hfill
25598 \else
25599 \tocstyle@feature@leaders
25600 \fi
25601 \nobreak
25602 \ifx\tocstyle@feature@pagenumberbox\relax
25603 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
25604 \else
25605 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
25606 \fi
25607 \par
25608 }%
25609 \iftocstyle@penalties
25610 \bgroup
25611 \@tempcnta 20009

```




```

25612         \advance\@tempcnta by -#1
25613         \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
25614     \reserved@a
25615     \fi
25616 \fi}
25617 \renewcommand*{\tocstyle@numberline}[1]{%
25618     \begingroup
25619     \ifx\tocstyle@feature@spaceafternumber\relax
25620         \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
25621     \else
25622         \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
25623         \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
25624     \fi
25625     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
25626         \ifdim \@tempdima >
25627             \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
25628             \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25629                 @\tocstyledepth\endcsname{\the\@tempdima}%
25630         \fi
25631     \else
25632         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25633             @\tocstyledepth\endcsname{\the\@tempdima}%
25634     \fi
25635 \endgroup
25636 \iftocstyle@indentnotnumbered
25637     \hskip -\if@RTL\rightskip\else\leftskip\fi
25638 \fi
25639 \ifcase \tocstyle@indentstyle
25640     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
25641 \or
25642     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
25643 \else
25644     \ifx\tocstyle@feature@spaceafternumber\relax
25645         \hbox{\tocstyle@@numberline{#1}\enskip}%
25646     \else
25647         \hbox{\tocstyle@@numberline{#1}\hskip
25648             \tocstyle@feature@spaceafternumber\relax}%
25649     \fi
25650 \fi
25651 }
25652 \AtBeginDocument{%
25653     \ifcsname l@part\endcsname
25654         \ifcsname l@chapter\endcsname
25655             \setbox\@tempboxa\vbox{\hsize\maxdimen
25656                 \l@part{\tocstyle@l@define{part}{-1}}}%
25657         \else
25658             \setbox\@tempboxa\vbox{\hsize\maxdimen
25659                 \l@part{\tocstyle@l@define{part}{0}}}%
25660         \fi
25661     \fi
25662     \ifcsname l@chapter\endcsname
25663         \setbox\@tempboxa\vbox{\hsize\maxdimen
25664             \l@chapter{\tocstyle@l@define{chapter}{0}}}%
25665     \fi

```



```

25666 \ifcsname l@section\endcsname
25667 \setbox\@tempboxa\vbox{\hsize\maxdimen
25668 \l@section{\tocstyle@l@define{section}{1}}{}}%
25669 \fi
25670 \ifcsname l@subsection\endcsname
25671 \setbox\@tempboxa\vbox{\hsize\maxdimen
25672 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
25673 \fi
25674 \ifcsname l@subsubsection\endcsname
25675 \setbox\@tempboxa\vbox{\hsize\maxdimen
25676 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
25677 \fi
25678 \ifcsname l@paragraph\endcsname
25679 \setbox\@tempboxa\vbox{\hsize\maxdimen
25680 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
25681 \fi
25682 \ifcsname l@subparagraph\endcsname
25683 \setbox\@tempboxa\vbox{\hsize\maxdimen
25684 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
25685 \fi
25686 \ifcsname l@table\endcsname
25687 \setbox\@tempboxa\vbox{\hsize\maxdimen
25688 \l@table{\tocstyle@l@define{table}{1}}{}}%
25689 \fi
25690 \ifcsname l@figure\endcsname
25691 \setbox\@tempboxa\vbox{\hsize\maxdimen
25692 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
25693 \fi
25694 \def\@tempa#1#2#3#4#5{%
25695 \ifnum #1>\c@tocdepth \else
25696 \vskip \z@ \@plus.2\p@
25697 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@toc
25698 \parindent #2\relax\@afterindenttrue
25699 \interlinepenalty\@M
25700 \leavevmode
25701 \@tempdima #3\relax
25702 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
25703 {#4}\nobreak
25704 \leaders\hbox{$\m@th
25705 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
25706 mu$}\hfill
25707 \nobreak
25708 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
25709 \par}%
25710 \fi}%
25711 \ifx@dottedtocline\@tempa\else
25712 \tocstyle@macrochangewarning@dottedtocline
25713 \fi
25714 \let\tocstyle@saved@dottedtocline@dottedtocline
25715 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
25716 \ifx\numberline\@tempa\else
25717 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
25718 \ifx\numberline\@tempa\else
25719 \tocstyle@macrochangewarning\numberline

```



```

25720 \fi
25721 \fi
25722 \let\tocstyle@saved@numberline\numberline
25723 }
25724 \renewcommand*{\tocstyle@l@define}[2]{%
25725 \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
25726 \edef\@tempa{%
25727 \noexpand\global\noexpand\let
25728 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
25729 \expandafter\noexpand\csname l@#1\endcsname
25730 \noexpand\gdef
25731 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
25732 \noexpand\@dottedtocline{#2}{\the\if@RTL\righskip\else\leftskip\fi}{\the\@tempdima}}%
25733 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@%
25734 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
25735 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
25736 }%
25737 }%
25738 \PackageInfo{tocstyle}{prepare \expandafter\string
25739 \csname l@#1\endcsname\space for redefinition}%
25740 \@tempa
25741 }

```

159 File todonotes-xetex-bidi.def

```

25742 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes pack
25743 \newif\if@bidi@todonotes@textdirection@RTL
25744 \newif\if@bidi@todonotes@figposition@right
25745 \newcommand{\@bidi@todonotes@align}{}%
25746 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
25747 \newcommand{\@bidi@todonotes@textdirection}{}%
25748 \define@choicekey{todonotes}{textdirection}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{rig
25749 \ifcase\bidi@todonotes@tempb\relax
25750 \@bidi@todonotes@textdirection@RTLtrue
25751 \let\@bidi@todonotes@textdirection\RL
25752 \or
25753 \@bidi@todonotes@textdirection@RTLfalse
25754 \let\@bidi@todonotes@textdirection\LR
25755 \fi}
25756 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right
25757 \ifcase\bidi@todonotes@tempb\relax
25758 \@bidi@todonotes@figposition@righttrue
25759 \or
25760 \@bidi@todonotes@figposition@rightfalse
25761 \fi}
25762 \if@todonotes@disabled%
25763 \else % \if@todonotes@disabled
25764 \renewcommand{\@todonotes@drawInlineNote}{%
25765 \if@todonotes@dviStyle%
25766 {\par\noindent\begin{tikzpicture}[remember picture]%
25767 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25768 \if@todonotes@authorgiven%
25769 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
25770 \else%

```



```

25771         {\noindent \@todonotes@sizecommand \@todonotes@text}%
25772     \fi
25773     {\par\noindent\begin{tikzpicture}[remember picture]%
25774         \draw node[inlinenotestyle] {}; \end{tikzpicture}\par}%
25775 \else%
25776     {\par\noindent\begin{tikzpicture}[remember picture]%
25777         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25778         \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@
25779             \if@todonotes@authorgiven%
25780                 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@tex
25781             \else%
25782                 {\noindent \@todonotes@sizecommand \@todonotes@text}%
25783             \fi};%
25784         \end{tikzpicture}\par}%
25785 \fi}%
25786 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
25787 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
25788     \node [coordinate] (inText) {};%
25789 \end{tikzpicture}%
25790 \marginpar[{\% Draw note in left margin
25791     \@todonotes@drawMarginNote%
25792     \if@RTL@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
25793 }]{\% Draw note in right margin
25794     \@todonotes@drawMarginNote%
25795     \if@RTL@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
25796 }%
25797 }%
25798 \renewcommand{\@todonotes@drawMarginNote}{%
25799 \if@todonotes@dviStyle%
25800     \begin{tikzpicture}[remember picture]%
25801         \draw node[notestyle] {};%
25802     \end{tikzpicture}\\%
25803     \begin{minipage}{\@todonotes@textwidth}%
25804     \if@todonotes@authorgiven%
25805         \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
25806     \else%
25807         \@todonotes@sizecommand \@todonotes@text%
25808     \fi%
25809     \end{minipage}\\%
25810     \begin{tikzpicture}[remember picture]%
25811         \draw node[notestyle] (inNote) {};%
25812     \end{tikzpicture}%
25813 \else%
25814     \let\originalHbadness\hbadness%
25815     \hbadness 100000%
25816     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
25817         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25818         \node(X){\vphantom{X}};%
25819         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
25820             {\@todonotes@text};%
25821         \if@todonotes@authorgiven%
25822             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
25823                 {\@todonotes@sizecommand \@todonotes@author};%
25824         \node(Y)[below=of X]{};%

```



```

25825         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@tod
25826             {\@todonotes@text};%
25827     \else%
25828         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@tod
25829             {\@todonotes@text};%
25830     \fi%
25831 \end{tikzpicture}%
25832 \hbadness \originalHbadness%
25833 \fi}%
25834 \renewcommand{\missingfigure}[2] [] {%
25835 \setkeys{todonotes}{#1}%
25836 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
25837 \par
25838 \noindent
25839 \begin{tikzpicture}
25840 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
25841     (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
25842 \if@bidi@todonotes@figposition@right%
25843 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25844 \fi%
25845 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
25846     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
25847 \if@bidi@todonotes@figposition@right%
25848 \end{scope}
25849 \begin{scope}[xshift=-3.8cm]
25850 \fi%
25851 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25852 \draw (2, -0.3) node[right, text
25853     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
25854 \if@bidi@todonotes@figposition@right%
25855 \end{scope}
25856 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25857 \fi%
25858 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonot
25859 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonot
25860 \if@bidi@todonotes@figposition@right%
25861 \end{scope}
25862 \fi%
25863 \end{tikzpicture}\hfill
25864 }% Ending \missingfigure command
25865 \fi % Ending \@todonotes@ifdisabled
25866 \presetkeys%
25867     {todonotes}%
25868     {align=left,%
25869     textdirection=lefttoright,%
25870     figposition=left}{}%

```

160 File wrapfig-xetex-bidi.def

```

25871 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package
25872 \let\WF@everypar\bidi@n@everypar
25873 \def\WF@putfigmaybe{%
25874 \ifinner
25875     \vskip-\parskip \global\WF@floatfalse

```



```

25876 \let\pagetotal\maxdimen % kludge flag for "not top of page"
25877 \else % outer page
25878 \@tempdima\pagedepth % save page depth
25879 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
25880 \penalty\interlinepenalty % update pg. parameters
25881 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
25882 \ifdim\@tempdimb<z@ % \WF@info{Page overfull already;}%
25883 \global\WF@floatfalse
25884 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
25885 \else
25886 \ifdim\WF@size>\@tempdimb
25887 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
25888 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
25889 \ifdim\pagefillstretch>z@ \dimen@\@tempdimb \fi
25890 \ifdim\pagefillstretch>z@ \dimen@\@tempdimb \fi
25891 \advance\dimen@.5\baselineskip
25892 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
25893 \global\WF@floatfalse \pagebreak
25894 \fi
25895 \else % \WF@info{Fits in \the\@tempdimb;}%
25896 \global\WF@floatfalse
25897 \fi\fi
25898 \vskip\@tempdima\relax % (return erased page depth)
25899 \fi
25900 \noindent
25901 \ifWF@float
25902 \WF@fltmes
25903 \else % putting here;
25904 \WF@info{Put \WF@wfname here:}%
25905 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
25906 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
25907 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
25908 \hbox to z@{\% llap or rlap depending on {l} or {r}; calc effective width
25909 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
25910 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
25911 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
25912 \xdef\WF@adjlw{\the\@tempdima}%
25913 \ifnum `l=\WF@place % fig on left
25914 \if@RTL%
25915 \kern\@tempdimb \kern\columnsep
25916 \def\@tempa{\hss}% position to left of the gap
25917 \else%
25918 \hss % figure overlaps space to the left
25919 \def\@tempa{\kern\columnsep}% position to left of the gap
25920 \fi%
25921 \else % fig on right
25922 \if@RTL%
25923 \hss
25924 \@tempdima\z@
25925 \def\@tempa{\kern\columnsep}
25926 \else%
25927 \@tempdima\z@ % no left indentation
25928 \kern\@tempdimb \kern\columnsep
25929 \def\@tempa{\hss}% figure overlaps space to the right

```



```

25930 \fi%
25931 \fi
25932 \ifdim\@tempdimb<\hsize
25933 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
25934 \xdef\WF@adjtlm{\the\@tempdima}%
25935 \else
25936 \xdef\WF@wrapil{\z@ \the\hsize}%
25937 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
25938 \fi
25939 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
25940 \global\advance\WF@size-\intextsep
25941 \else % \WF@info{Putting \WF@wfname in middle of page}%
25942 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
25943 \fi \dp\WF@box\z@ \box\WF@box \@tempa
25944 }% end \hbox to Opt
25945 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
25946 \fi}

```

161 File xcolor-xetex-bidi.def

```

25947 \ProvidesFile{xcolor-xetex-bidi.def}[2022/06/13 v0.3 bidi adaptations for xcolor package for
25948 \long\def\color@b@x#1#2#3%
25949 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
25950 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}
25951 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
25952 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
25953 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
25954 \protected\def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup
25955 \DeclareRobustCommand\color
25956 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]
25957 \def\@undeclaredcolor[#1]#2%
25958 {\begingroup
25959 \let\@cls\@empty
25960 \XC@getmodclr12{#1}{#2}{}%
25961 {\ifblendcolors
25962 \ifx\colorblend\@empty\else
25963 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
25964 \XC@coremodel\@mod\@clr\@xcolor@{}{\@mod\@clr
25965 \fi
25966 \fi
25967 \ifconvertcolorsU
25968 \edef\@tmp{\XC@tgt@mod{\@mod}}%
25969 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
25970 \fi
25971 \ifmaskcolors
25972 \convertcolorspec\@mod\@clr\XC@mmod\@clr
25973 \let\@mod\XC@mmod
25974 \XC@inflate\@mod\XC@mclr\@clr\@tmp
25975 \expandafter\XC@mul\@tmp,\@clr
25976 \fi
25977 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
25978 \expandafter\endgroup\@tmp}}
25979 \def\@declaredcolor#1%
25980 {\XC@edef\XC@tmp{#1}\XC@tstfalse

```



```

25981 \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
25982 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
25983 \ifconvertcolorsU\XC@@tsttrue\fi
25984 \fi
25985 \ifXC@@tst
25986 \expandafter\XC@declaredcolor\else
25987 \expandafter\XC@declaredcolor\fi}
25988 \def\XC@undeclaredcolor#1#2%
25989 {\@ifundefinedmodel{#1}%
25990 {\color@error{model `#1'}}%
25991 {\@nameuse{color@#1}\current@color{#2}}%
25992 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
25993 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
25994 \def\XC@declaredcolor
25995 {\XC@let@Nc\XC@current@color{\string\color@\XC@@tmp}%
25996 \edef\current@color{\XC@current@color}%
25997 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
25998 \DeclareRobustCommand\bidicolor
25999 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
26000 \def\@bidiundeclaredcolor[#1]#2%
26001 {\begingroup
26002 \let\@@cls\@empty
26003 \XC@getmodclr12{#1}{#2}{}%
26004 {\ifblendcolors
26005 \ifx\colorblend\@empty\else
26006 \edef\@@mix{\expandafter\@gobble\colorblend}\@tempwafalse
26007 \XC@coremodel\@mod\@@clr\xcolor@{ }\@mod\@@clr
26008 \fi
26009 \fi
26010 \ifconvertcolorsU
26011 \edef\@@tmp{\XC@tgt@mod{\@mod}}%
26012 \convertcolorspec\@mod\@@clr\@@tmp\@@clr \let\@@mod\@@tmp
26013 \fi
26014 \ifmaskcolors
26015 \convertcolorspec\@mod\@@clr\XC@mmod\@@clr
26016 \let\@@mod\XC@mmod
26017 \XC@inflate\@mod\XC@mclr\@@clr\@@tmp
26018 \expandafter\XC@mul\@@tmp,\@@clr
26019 \fi
26020 \edef\@@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@@clr}}%
26021 \expandafter\endgroup\@@tmp}}
26022 \def\XC@bidiundeclaredcolor#1#2%
26023 {\@ifundefinedmodel{#1}%
26024 {\color@error{model `#1'}}%
26025 {\@nameuse{color@#1}\current@color{#2}}%
26026 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
26027 \XC@display}}
26028 \def\@bidideclaredcolor#1%
26029 {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
26030 \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
26031 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
26032 \ifconvertcolorsU\XC@@tsttrue\fi
26033 \fi
26034 \ifXC@@tst

```




```

26035 \expandafter\XC@bidideclaredcolor\else
26036 \expandafter\XC@bidideclaredcolor\fi}
26037 \def\XC@bidideclaredcolor
26038 {\XC@split\XC@tmp
26039 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
26040 \expandafter\endgroup\@tmp}
26041 \def\XC@bidideclaredcolor
26042 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
26043 \edef\current@color{\XC@current@color}%
26044 \XC@display}
26045 \def\color@box#1#2{\color@bex\relax{\bidicolor#1{#2}}}
26046 \def\color@fbx#1#2#3#\protect\color@fbx{#1}{#2}{#3}
26047 \def\color@fbx#1#2#3#4%
26048 {\color@bex{\fbxsep\z@\bidicolor#1{#2}\XC@fbx}%
26049 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
26050 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

162 File latex-xetex-bidi.def

```

26051 \ProvidesFile{latex-xetex-bidi.def}[2024/12/08 v1.5.1 bidi adaptations for `latex.ltx' for
26052 \newcommand{\TeXeTOn}{\TeXeTstate@one}
26053 \newcommand{\TeXeTOff}{\TeXeTstate@z}
26054 \TeXeTOn
26055 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\useb
26056 \let\bidi@o@everypar=\everypar
26057 \newtoks\bidi@n@everypar
26058 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
26059 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
26060 \let\everypar=\bidi@n@everypar
26061 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
26062 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
26063 \protected\def\hboxR{\hbox\bgroup
26064 \everyhbox{%
26065 \aftergroup\egroup
26066 \everyhbox{}}%
26067 \beginR
26068 \@hboxRconstructtrue
26069 \bgroup
26070 \aftergroup\endR
26071 \aftergroup\egroup
26072 }\hbox}
26073 \protected\def\hboxL{\hbox\bgroup
26074 \everyhbox{%
26075 \aftergroup\egroup
26076 \everyhbox{}}%
26077 \beginL
26078 \@hboxRconstructfalse
26079 \bgroup
26080 \aftergroup\endL
26081 \aftergroup\egroup
26082 }\hbox}
26083 \protected\def\vboxR{\vbox\bgroup
26084 \everyvbox{%
26085 \aftergroup\egroup

```



```

26086 \everyvbox{}%
26087 \@RTLtrue
26088 \@RTLtabtrue
26089 \bgroup
26090 \aftergroup\egroup
26091 }\vbox}
26092 \protected\def\vboxL{\vbox\bgroup
26093 \everyvbox{}%
26094 \aftergroup\egroup
26095 \everyvbox{}%
26096 \@RTLfalse
26097 \@RTLtabfalse
26098 \bgroup
26099 \aftergroup\egroup
26100 }\vbox}
26101 \newcommand*\bidi@leftskip{\ifRTL\rightskip\else\leftskip\fi}
26102 \newcommand*\bidi@rightskip{\ifRTL\leftskip\else\rightskip\fi}
26103 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@\bidi@beamer@ragged}
26104 \def\endLTR{\par}
26105 \newenvironment{LTR*}{\LTR
26106 \everypar{}%
26107 {\setbox\z@\lastbox
26108 \ifvoid\z@
26109 \kern-\parindent
26110 \fi}%
26111 }%
26112 }\endLTR\@endpetrue}
26113 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@\bidi@beamer@ragged}
26114 \def\endRTL{\par}
26115 \newenvironment{RTL*}{\RTL
26116 \everypar{}%
26117 {\setbox\z@\lastbox
26118 \ifvoid\z@
26119 \kern-\parindent
26120 \fi}%
26121 }%
26122 }\endRTL\@endpetrue}
26123 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\bidi@beamer@ragged}
26124 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\bidi@beamer@ragged}
26125 \let\unsetRTL=\setLTR
26126 \let\unsetLTR=\setRTL
26127 \let\LR=\LRE
26128 \let\RL=\RLE
26129 \def\@ensureRTL#1{\ifRTL#1\else\RLE{#1}\fi}
26130 \def\@ensureLTR#1{\ifRTL\LRE{#1}\else#1\fi}
26131 \let\@ensureRL=\@ensureRTL
26132 \let\@ensureLR=\@ensureLTR
26133 \def\@ensure@dir#1{\ifRTL\RLE{#1}\else{#1}\fi}
26134 \let\@ensure@maindir=\@ensure@dir
26135 \def\@RTL{RTL}
26136 \def\@LTR{LTR}
26137 \def\save@dir{\ifRTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
26138 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
26139 \let\@TeX\TeX

```



```

26140 \def\TeX{\@ensure@LTR{\@TeX}}
26141 \let\@LaTeX\LaTeX
26142 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
26143 \let\@LaTeXe\LaTeXe
26144 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
26145 \long\def\ bidi@reflect@box#1{%
26146   \leavevmode
26147   \setbox\z@\hbox{#1}}%
26148   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:gestor
26149   \hbxt@wd\z@\kern\wd\z@\box\tw@hss}}%
26150 }
26151 \if@bidi@csundef{XeTeX}{%
26152 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
26153 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}%
26154 }{%
26155 \let\@bidi@orig@XeTeX\XeTeX
26156 \bidi@renewrobustcmd*{\XeTeX}{\LR{\@bidi@orig@XeTeX}}%
26157 }
26158 \if@bidi@csundef{XeLaTeX}{%
26159 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
26160 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}%
26161 }{%
26162 \let\@bidi@orig@XeLaTeX\XeLaTeX
26163 \bidi@renewrobustcmd*{\XeLaTeX}{\LR{\@bidi@orig@XeLaTeX}}%
26164 }
26165 \let\setRL=\setRTL
26166 \let\setLR=\setLTR
26167 \let\unsetRL=\setLTR
26168 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
26169 \@ifpackageloaded{array}{%
26170 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
26171   \leavevmode
26172   \hbox \bgroup $\left.\col@sep\tabcolsep \let\dllarbegin\begin\group
26173   \let\dllarend\end\group
26174   \@tabarray}
26175 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
26176 }{%
26177 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
26178   \leavevmode \hbox \bgroup
26179   $\left.\let\@acol\@tabacol
26180   \let\@classz\@tabclassz
26181   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26182
26183 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
26184   \egroup\right\rbrace $\egroup}}
26185 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
26186   \ialign{##\hfil$\quad{##}\hfil\crr#1\crr}}\,\right\}}
26187 \renewenvironment{RTLcases}{%
26188 \bidi@matrix@check\RTLcases\env@RTLcases
26189 }{%
26190 \endbidi@tabular@RTLcases%
26191 }
26192 \def\env@RTLcases{%
26193 \let\@ifnextchar\bidi@new@ifnextchar

```



```

26194 \def\arraystretch{1.2}%
26195 \bidi@tabular@RTLcases{@{r@{\quad}r@{}}%
26196 }
26197 \def\SepMark#1{\gdef\SepMark{#1}}
26198 \SepMark{.}
26199 \def\thmcountersep{\@SepMark}
26200 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemfalse}
26201 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemfalse}
26202 \def\setdefaultbibitems{\@RTLbibitemfalse\@LTRbibitemfalse}
26203 \newcommand*\bidi@thebibliography@font@hook{}
26204 \def\list#1#2{%
26205 \ifnum \@listdepth >5\relax
26206 \toodeep
26207 \else
26208 \global\advance\@listdepth\@ne
26209 \fi
26210 \rightmargin\z@
26211 \listparindent\z@
26212 \itemindent\z@
26213 \csname @list\romannumeral\the\@listdepth\endcsname
26214 \def\@itemlabel{#1}%
26215 \let\makelabel\@mklab
26216 \@nmbrrlistfalse
26217 #2\relax
26218 \@trivlist
26219 \parskip\parsep
26220 \parindent\listparindent
26221 \advance\linewidth -\rightmargin
26222 \advance\linewidth -\leftmargin
26223 \if@bidi@list@minipage@parbox
26224 \if@RTL
26225 \advance\@totalleftmargin \leftmargin
26226 \else
26227 \advance\@totalleftmargin \rightmargin
26228 \fi
26229 \else
26230 \if@hboxRconstruct
26231 \if@bidi@list@minipage@parbox@not@nob
26232 \if@RTL
26233 \advance\@totalleftmargin \rightmargin
26234 \else
26235 \advance\@totalleftmargin \leftmargin
26236 \fi
26237 \else
26238 \if@RTL
26239 \advance\@totalleftmargin \leftmargin
26240 \else
26241 \advance\@totalleftmargin \rightmargin
26242 \fi\fi
26243 \else
26244 \if@RTL
26245 \advance\@totalleftmargin \rightmargin
26246 \else
26247 \advance\@totalleftmargin \leftmargin

```



```

26248 \fi\fi\fi
26249 \parshape \@ne \@totalleftmargin \linewidth
26250 \ignorespaces}
26251 \long\def\@iiparbox#1#2[#3]#4#5{%
26252 \leavevmode
26253 \@pboxswfalse
26254 \if@hboxRconstruct
26255 \@bidi@list@minipage@parbox@not@nobtrue
26256 \fi
26257 \ifRTL
26258 \ifx#1t%
26259 \@bidi@list@minipage@parboxtrue
26260 \else
26261 \ifx#1b%
26262 \@bidi@list@minipage@parboxtrue
26263 \fi
26264 \fi
26265 \fi
26266 \setlength\@tempdima{#4}%
26267 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
26268 \ifx\relax#2\else
26269 \setlength\@tempdimb{#2}%
26270 \edef\@parboxto{to\the\@tempdimb}%
26271 \fi
26272 \if#1b\vbox
26273 \else\if #1t\vtop
26274 \else\ifmode\vcenter
26275 \else\@pboxswtrue $\vcenter
26276 \fi\fi\fi
26277 \@parboxto{\let\hss\vss\let\unhbox\unvbox
26278 \csname bm@#3\endcsname}%
26279 \if@pboxsw \m@th$\fi
26280 \@end@tempboxa}
26281 \newenvironment{LTRitems}
26282 {\par\@RTLfalse\@RTLtabfalse\bidi@beamer@ragged
26283 \if@bidi@list@minipage@parbox
26284 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26285 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26286 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26287 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26288 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26289 \ignorespaces}{\vskip\z@}
26290 \newenvironment{RTLitems}
26291 {\par\@RTLtrue\@RTLtabtrue\bidi@beamer@ragged
26292 \if@bidi@list@minipage@parbox
26293 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26294 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26295 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26296 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26297 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26298 \ignorespaces}{\vskip\z@}
26299 \newenvironment{LTRbibitems}
26300 {\par\@RTLfalse\@RTLtabfalse\bidi@beamer@ragged
26301 \if@bidi@list@minipage@parbox

```



```

26302         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26303         \else \ifhboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26304         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26305         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26306         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26307         \ignorespaces}{\vskip\z@}
26308 \newenvironment{RTLbibitems}
26309     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26310     \if@bidi@list@minipage@parbox
26311     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26312     \else \ifhboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26313     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26314     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26315     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26316     \ignorespaces}{\vskip\z@}
26317 \def\raggedright{%
26318   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
26319   \leftskip\z@skip
26320   \parindent\z@\parfillskip\z@skip}
26321 \let\@bidi@orig@raggedleft\raggedleft
26322 \let\@bidi@orig@raggedright\raggedright
26323 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\ifhboxRc
26324 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\ifhboxRc
26325 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
26326 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
26327 \DeclareRobustCommand\centerline[1]{%
26328 \if@RTL\@@line{\hss\beginR#1\endR\hss}
26329 \else\@@line{\hss#1\hss}\fi}
26330 \def\@bidi@orig@leftline#1{%
26331 \if@RTL\@@line{\beginR#1\endR\hss}
26332 \else\@@line{#1\hss}\fi}
26333 \def\@bidi@orig@rightline#1{%
26334 \if@RTL\@@line{\hss\beginR#1\endR}
26335 \else\@@line{\hss#1}\fi}
26336 \DeclareRobustCommand\leftline[1]{\ifhmode\if@RTL\@bidi@orig@rightline{#1}\else\@bidi@orig@le
26337 \DeclareRobustCommand\rightline[1]{\ifhmode\if@RTL\@bidi@orig@leftline{#1}\else\@bidi@orig@ri
26338 \DeclareRobustCommand\bidirlap[1]{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
26339 \DeclareRobustCommand\bidillap[1]{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
26340 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
26341   \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
26342 \def\narrower{%
26343   \advance\if@RTL\rightskip\else\leftskip\fi\parindent
26344   \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
26345 \DeclareRobustCommand\underline[1]{%
26346   \relax
26347   \ifmmode\@@underline{#1}%
26348   \else
26349 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
26350 \else
26351 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
26352 \if@compatibility
26353   \let\underline=\underline
26354 \fi
26355 \def\@tabular{%

```



```

26356 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
26357 $\let\@acol\@tabacol
26358 \let\@classz\@tabclassz
26359 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26360 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
26361 \egroup $\if@RTLtab\endR\fi\egroup}
26362 \expandafter \let \csname endtabular*\endcsname = \endtabular
26363 \def\@array[#1]#2{%
26364 \if #1t\top \else \if#1b\vbox \else \vcenter \fi\fi
26365 \bgroup
26366 \setbox\@arstrutbox\hbox{%
26367 \vrule \@height\arraystretch\ht\strutbox
26368 \@depth\arraystretch \dp\strutbox
26369 \@width\z@}%
26370 \@mkpream{#2}%
26371 \edef\@preamble{%
26372 \ialign \noexpand\@halignto
26373 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
26374 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
26375 \let\@tabularnewline\\
26376 \let\par\@empty
26377 \let\@sharp##%
26378 \set@typeset@protect
26379 \lineskip\z@skip\baselineskip\z@skip
26380 \ifhmode \@preamerr\z@ \@@par\fi
26381 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
26382 \@preamble}
26383 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
26384 \let\@classiv\@arrayclassiv
26385 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
26386 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
26387 \ifnum \@lastchclass=3 5 \else
26388 \z@ \if #1c\@chnum \z@ \else
26389 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
26390 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
26391 \@chclass \if #1|\@ne \else
26392 \if #1@ \tw@ \else
26393 \if #1p3 \else \z@ \@preamerr 0\fi
26394 \fi \fi \fi \fi \fi \fi
26395 \fi}
26396 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
26397 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
26398 \def\bm@t{\unhbox\@tempboxa\hss}
26399 \def\bm@b{\hss\unhbox\@tempboxa}
26400 \def\@dottedtocline#1#2#3#4#5{%
26401 \ifnum #1>\c@tocdepth \else
26402 \vskip \z@ \@plus.2\p@
26403 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrm
26404 \parindent #2\relax\@afterindenttrue
26405 \interlinepenalty\M
26406 \leavevmode
26407 \@tempdima #3\relax
26408 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
26409 {#4}\nobreak

```



```

26410 \leaders\hbox{${m@th
26411 \mkern \dotsep mu\hbox{.}\mkern \dotsep
26412 mu$}\hfill
26413 \nobreak
26414 \hb@xt@{\pnumwidth{\hfil\normalfont \normalcolor #5}}%
26415 \par}%
26416 \fi}
26417
26418 \newcount\ bidi@column@check@number
26419
26420 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
26421
26422 \def\ bidi@set@column@status#1#2{%
26423 \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
26424
26425 \if@twocolumn
26426 \newcommand\DetectColumn[3][1]{%
26427 \ifx\ bidi@firstcolumn@status@write\relax
26428 \PackageError{ bidi}%
26429 {Option 'DetectColumn' not selected}%
26430 {\string\DetectColumn\space
26431 requires the use of the 'DetectColumn'
26432 option on the package}%
26433 \fi
26434 \global\advance\ bidi@column@check@number\@ne
26435 \edef\ bidi@column@type{\expandafter\ifx
26436 \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
26437 0\else
26438 \csname bidi@column-\the\ bidi@column@check@number\endcsname
26439 \fi}%
26440 \ifcase \ bidi@column@type\relax
26441 \ifcase #1\or #2\or#3\fi % 0 not known use first column as default
26442 \or
26443 #2% % 1 First column
26444 \or
26445 #3% % 2 Second (Last column)
26446 \else
26447 \ERROR
26448 \fi
26449 \edef\next{\write\@auxout
26450 {\string\ bidi@set@column@status{ bidi@column-\the\ bidi@column@check@number}%
26451 {\ bidi@column@type}}}%
26452 \next
26453 }
26454
26455 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
26456 \ifnum #2=\ bidi@current@column@status\else
26457 \@tempwattrue
26458 \fi}%
26459 }
26460 \fi
26461
26462 \def\RTL@outputdblcol{%
26463 \if@firstcolumn

```




```

26464 \global\@firstcolumnfalse
26465 \global\setbox\@leftcolumn\copy\@outputbox
26466 \splitmaxdepth\maxdimen
26467 \vbadness\maxdimen
26468 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26469 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26470 \toks@\expandafter{\topmark}%
26471 \xdef\@firstcoltopmark{\the\toks@}%
26472 \toks@\expandafter{\splitfirstmark}%
26473 \xdef\@firstcolfirstmark{\the\toks@}%
26474 \ifx\@firstcolfirstmark\@empty
26475 \global\let\@setmarks\relax
26476 \else
26477 \gdef\@setmarks{%
26478 \let\firstmark\@firstcolfirstmark
26479 \let\topmark\@firstcoltopmark}%
26480 \fi
26481 \else
26482 \global\@firstcolumntrue
26483 \setbox\@outputbox\vbox{%
26484 \hb@xt@\textwidth{%
26485 \hskip \columnwidth
26486 \hfil
26487 {\normalcolor\vrule \@width\columnseprule}%
26488 \hfil
26489 \hb@xt@\columnwidth{%
26490 \bidi@firstcolumn@status@write%
26491 \box\@leftcolumn \hss}%
26492 \hskip -\textwidth
26493 \hb@xt@\columnwidth{%
26494 \bidi@lastcolumn@status@write%
26495 \box\@outputbox \hss}%
26496 \hskip \columnsep
26497 \hskip \columnwidth }}%
26498 \@combinedblfloats
26499 \@setmarks
26500 \@outputpage
26501 \begingroup
26502 \@dblfloatplacement
26503 \@startdblcolumn
26504 \@whilesw\if@fcolmade \fi{\@outputpage
26505 \@startdblcolumn}%
26506 \endgroup
26507 \fi}%
26508
26509 \def\LTR@outputdblcol{%
26510 \if@firstcolumn
26511 \global\@firstcolumnfalse
26512 \global\setbox\@leftcolumn\copy\@outputbox
26513 \splitmaxdepth\maxdimen
26514 \vbadness\maxdimen
26515 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26516 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26517 \toks@\expandafter{\topmark}%

```



```

26518 \xdef\@firstcoltopmark{\the\toks@}%
26519 \toks@\expandafter{\splitfirstmark}%
26520 \xdef\@firstcolfirstmark{\the\toks@}%
26521 \ifx\@firstcolfirstmark\empty
26522 \global\let\@setmarks\relax
26523 \else
26524 \gdef\@setmarks{%
26525 \let\firstmark\@firstcolfirstmark
26526 \let\topmark\@firstcoltopmark}%
26527 \fi
26528 \else
26529 \global\@firstcolumntrue
26530 \setbox\@outputbox\vbox{%
26531 \hb@xt@\textwidth{%
26532 \hb@xt@\columnwidth{%
26533 \bidi@firstcolumn@status@write%
26534 \box\@leftcolumn \hss}%
26535 \hfil
26536 {\normalcolor\vrule \@width\columnseprule}%
26537 \hfil
26538 \hb@xt@\columnwidth{%
26539 \bidi@lastcolumn@status@write%
26540 \box\@outputbox \hss}}}%
26541 \@combinedblfloats
26542 \@setmarks
26543 \@outputpage
26544 \beginngroup
26545 \@dblfloatplacement
26546 \@startdblcolumn
26547 \@whilesw\if@fcolmade \fi{\@outputpage
26548 \@startdblcolumn}%
26549 \endgroup
26550 \fi}%
26551
26552
26553 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
26554 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
26555 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
26556
26557 \bidi@patchcmd\@makecol{%
26558 \ifvoid\footins
26559 \setbox\@outputbox \box\@cclv
26560 \else
26561 \setbox\@outputbox \vbox {%
26562 \boxmaxdepth \@maxdepth
26563 \unvbox \@cclv
26564 \vskip \skip\footins
26565 \color@beginngroup
26566 \normalcolor
26567 \footnoterule
26568 \unvbox \footins
26569 \color@endgroup
26570 }%
26571 \fi

```



```

26572 }-{}%
26573 \ifvoid\footins
26574 \ifvoid\@bidi@copyins@
26575 \setbox\@outputbox \box\@cclv
26576 \else
26577 \setbox\@outputbox \vbox {%
26578 \boxmaxdepth \@maxdepth
26579 \unvbox \@cclv
26580 \vskip \skip\@bidi@copyins@
26581 \color@begingroup
26582 \normalcolor
26583 \unvbox \@bidi@copyins@
26584 \color@endgroup
26585 }%
26586 \fi
26587 \else
26588 \setbox\@outputbox \vbox {%
26589 \boxmaxdepth \@maxdepth
26590 \unvbox \@cclv
26591 \vskip \skip\footins
26592 \color@begingroup
26593 \normalcolor
26594 \footnoterule
26595 \unvbox \footins
26596 \color@endgroup
26597 \ifvoid\@bidi@copyins@
26598 \else
26599 \vskip \skip\@bidi@copyins@
26600 \color@begingroup
26601 \normalcolor
26602 \unvbox \@bidi@copyins@
26603 \color@endgroup
26604 \fi
26605 }%
26606 \fi
26607 }-{}{}
26608
26609 \def\LTRmarginpar{%
26610 \ifhmode
26611 \@bsphack
26612 \@floatpenalty -\@Mii
26613 \else
26614 \@floatpenalty-\@Miii
26615 \fi
26616 \ifinner
26617 \@parmoderr
26618 \@floatpenalty\z@
26619 \else
26620 \@next\@currbox\@freelist{}-{}%
26621 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26622 {\@floatpenalty\z@
26623 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26624 \fi
26625 \@ifnextchar [\@LTRxmpar\@LTRypar}

```



```

26626 \long\def\@LTRxmpar[#1]#2{%
26627   \@LTRsavemarbox\@marbox{#1}%
26628   \@LTRsavemarbox\@currbox{#2}%
26629   \@xympar}
26630 \long\def\@LTRympar#1{%
26631   \@LTRsavemarbox\@marbox{#1}%
26632   \global\setbox\@currbox\copy\@marbox
26633   \@xympar}
26634 \long\def \@LTRsavemarbox #1#2{%
26635   \global\setbox #1%
26636     \color@vbox
26637     \vtop{%
26638       \hsize\marginparwidth
26639       \@parboxrestore
26640       \@LTRmarginparreset
26641       #2%
26642       \@minipagefalse
26643       \outer@nobreak
26644       }%
26645   \color@endbox
26646 }
26647 \def \@LTRmarginparreset {%
26648   \reset@font
26649   \normalsize
26650   \@minipagetrue
26651   \everypar{\@minipagefalse\everypar{}\beginL}%
26652 }
26653 \def\RTLmarginpar{%
26654   \ifhmode
26655     \@bsphack
26656     \@floatpenalty -\@Mii
26657   \else
26658     \@floatpenalty-\@Miii
26659   \fi
26660   \ifinner
26661     \@parmoderr
26662     \@floatpenalty\z@
26663   \else
26664     \@next\@currbox\@freelist{}-{}%
26665     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26666     {\@floatpenalty\z@
26667     \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26668   \fi
26669   \@ifnextchar [\@RTLxmpar\@RTLympar}
26670 \long\def\@RTLxmpar[#1]#2{%
26671   \@RTLSavemarbox\@marbox{#1}%
26672   \@RTLSavemarbox\@currbox{#2}%
26673   \@xympar}
26674 \long\def\@RTLympar#1{%
26675   \@RTLSavemarbox\@marbox{#1}%
26676   \global\setbox\@currbox\copy\@marbox
26677   \@xympar}
26678 \long\def \@RTLSavemarbox #1#2{%
26679   \global\setbox #1%

```



```

26680 \color@vbox
26681 \vtop{%
26682 \hsize\marginparwidth
26683 \@parboxrestore
26684 \@RTLmarginparreset
26685 #2%
26686 \@minipagefalse
26687 \outer@nobreak
26688 }%
26689 \color@endbox
26690 }
26691 \def \@RTLmarginparreset {%
26692 \reset@font
26693 \normalsize
26694 \@minipagetrue
26695 \everypar{\@minipagefalse\everypar{}\beginR}%
26696 }
26697 \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
26698 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
26699 \if@twocolumn
26700 \if@firstcolumn \@tempcnta\m@ne \fi
26701 \else
26702 \if@mparswitch
26703 \ifodd\c@page \else\@tempcnta\m@ne \fi
26704 \fi
26705 \if@reversemargin \@tempcnta -\@tempcnta \fi
26706 \fi
26707 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
26708 \@tempdima\@mparbottom
26709 \advance\@tempdima -\@pageht
26710 \advance\@tempdima\ht\@marbox
26711 \ifdim\@tempdima >\z@
26712 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
26713 \else
26714 \@tempdima\z@
26715 \fi
26716 \global\@mparbottom\@pageht
26717 \global\advance\@mparbottom\@tempdima
26718 \global\advance\@mparbottom\dp\@marbox
26719 \global\advance\@mparbottom\marginparpush
26720 \advance\@tempdima -\ht\@marbox
26721 \global\setbox \@marbox
26722 \vbox {\vskip \@tempdima
26723 \box \@marbox}%
26724 \global \ht\@marbox \z@
26725 \global \dp\@marbox \z@
26726 \kern -\@pagedp
26727 \nointerlineskip
26728 \hb@xt@\columnwidth
26729 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
26730 \hskip\columnwidth \hskip\marginparsep
26731 \else
26732 \hskip -\marginparsep \hskip -\marginparwidth
26733 \fi

```



```

26734     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
26735     \nointerlineskip
26736     \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
26737 \long\def\@ympar#1{%
26738   \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmargin
26739   \global\setbox\@currbox\copy\@marbox
26740   \@xympar}
26741 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
26742 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
26743 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
26744 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
26745   \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
26746   \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
26747   \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
26748   \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
26749   \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}
26750 \fi}
26751
26752 \newcommand*{\bidi@font@@outputpage}{-}
26753
26754 \def\@outputpage{%
26755   \begingroup           % the \endgroup is put in by \aftergroup
26756   \let \protect \noexpand
26757   \@resetactivechars
26758   \global\let\@if@newlist\if@newlist
26759   \global\@newlistfalse
26760   \@parboxrestore
26761   \global\let\bidi@BeforeOutputPageShipOut\@firstofone
26762   \bidi@beforeoutputpageshipouthook
26763   \shipout \vbox{%
26764     \set@typeset@protect
26765     \aftergroup \endgroup
26766     \aftergroup \set@typeset@protect
26767     % correct? or just restore by ending
26768     % the group?
26769   \if@specialpage
26770     \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
26771   \fi
26772   \if@twoside
26773     \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
26774     \if@RTLmain
26775       \let\@themargin\evensidemargin
26776     \else
26777       \let\@themargin\oddsidemargin
26778     \fi
26779   \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
26780     \if@RTLmain
26781       \let\@themargin\oddsidemargin
26782     \else
26783       \let\@themargin\evensidemargin
26784     \fi
26785   \fi
26786   \ifx\@thehead\@empty \let\@thehead\hfil \fi
26787   \ifx\@thefoot\@empty \let\@thefoot\hfil \fi

```



```

26788 \else %% not @twoside
26789 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
26790 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
26791 \fi
26792 \reset@font
26793 \normalsize
26794 \bidi@font@@outputpage
26795 \normalsfcodes
26796 \let\label\@gobble
26797 \let\index\@gobble
26798 \let\glossary\@gobble
26799 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
26800 \@begindvi
26801 \vskip \topmargin
26802 \moveright\@themargin \vbox {%
26803   \global\let\bidi@BeforeHeader\@firstofone
26804   \bidi@beforeheaderhook
26805   \setbox\@tempboxa \vbox to\headheight{%
26806     \vfil
26807     \color@hbox
26808     \normalcolor
26809     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
26810     \color@endbox
26811     }%
26812   \dp\@tempboxa \z@
26813   \box\@tempboxa
26814   \vskip \headsep
26815   \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
26816   \bidi@beforeoutputboxoutputpagehook
26817   \box\@outputbox
26818   \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
26819   \bidi@afteroutputboxoutputpagehook
26820   \global\let\bidi@BeforeFooter\@firstofone
26821   \bidi@beforefooterhook
26822   \baselineskip \footskip
26823   \color@hbox
26824   \normalcolor
26825   \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@
26826   \color@endbox
26827   \global\let\bidi@AfterFooter\@firstofone
26828   \bidi@afterfooterhook
26829   }%
26830 }%
26831 \global\let\bidi@AfterOutputPageShipOut\@firstofone
26832 \bidi@afteroutputpageshipouthook
26833 \global\let\if@newlist\@if@newlist
26834 \global \@colht \textheight
26835 \stepcounter{page}%
26836 \let\firstmark\botmark
26837 \global\let\bidi@AtEndOutputPage\@firstofone
26838 \bidi@atendoutputpagehook
26839 }
26840 \long\def\@makecaption#1#2{%
26841 \vskip\abovcaptionskip

```



```

26842 \sbox\@tempboxa{#1: #2}%
26843 \ifdim \wd\@tempboxa >\hsize
26844 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
26845 \else
26846 \global \@minipagefalse
26847 \hbext@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
26848 \fi
26849 \vskip\belowcaptionskip}
26850 \let\@bidi@saved@eqno=\eqno
26851 \let\@bidi@saved@leqno=\leqno
26852 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
26853 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
26854 \@ifpackageloaded{amsmath}{%
26855 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
26856 }
26857 \input{footnote-xetex-bidi.def}
26858 \if@twocolumn
26859 \let\autofooterule\relax
26860 \let\leftfootnoterule\relax
26861 \let\rightfootnoterule\relax
26862 \textwidthfootnoterule
26863 \fi
26864 \if@bidi@csundef{@idxitem}{%
26865 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
26866 }
26867 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
26868 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
26869 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
26870 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
26871 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
26872 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
26873 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
26874 \@ifclassloaded{beamer}{\input{beamer-xetex-bidi.def}}{}
26875 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
26876 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
26877 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
26878 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
26879 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
26880 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
26881 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
26882 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
26883 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
26884 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
26885 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
26886 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
26887 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
26888 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
26889 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
26890 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
26891 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
26892 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
26893 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
26894 \@ifpackageloaded{amsmath}{%
26895 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}

```




```

26896 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
26897 }
26898 \@ifpackageloaded{mathtools}{%
26899   \RequirePackage{graphicx}%
26900   \input{mathtools-xetex-bidi.def}%
26901 }{}
26902 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
26903 \@ifpackageloaded{lscape}{\RequirePackage{graphicx}}{}
26904 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
26905 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
26906 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
26907 \@ifpackagewith{algorithm2e}{algonl}{%
26908   \renewcommand{\theAlgoLine}{\expandafter\cname the\algocf@float\endcsname\@SepMark\arabic{
26909 }{}
26910 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
26911 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
26912 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
26913 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
26914 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
26915 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
26916 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
26917 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
26918 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
26919 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
26920 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
26921 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}}{\input{crop-xetex-bidi.def}}{}
26922 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
26923 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
26924 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
26925 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
26926 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
26927 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}}{\input{float-xetex-bidi.def}}{}
26928 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
26929 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
26930 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
26931 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
26932 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
26933 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
26934 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
26935 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
26936 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
26937 \@ifpackageloaded{lscape}{\input{lscape-xetex-bidi.def}}{}
26938 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
26939 \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
26940 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
26941 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
26942 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
26943 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
26944 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
26945 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
26946 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
26947 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
26948 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
26949 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}

```



```

26950 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
26951 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
26952 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
26953 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
26954 \@ifpackageloaded{pdflscape}{\input{pdflscape-xetex-bidi.def}}{}
26955 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
26956 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
26957 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
26958 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
26959 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
26960 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
26961 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
26962 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
26963 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
26964 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
26965 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
26966 \@ifpackagewith{sidecap}{innercaption}{%
26967 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
26968   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
26969   \renewcommand*{\SC@justify@caption}{%
26970     \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
26971     \renewcommand*{\SC@FLOAT}[2]{%
26972       \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
26973       \renewcommand*{\SC@justify@caption}{%
26974         \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
26975 }{}
26976 \@ifpackagewith{sidecap}{rightcaption}{%
26977 \if@RTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
26978 \def\SC@justify@caption{\RaggedLeft}\else%
26979 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
26980 \def\SC@justify@caption{\RaggedRight}\fi%
26981 }{}
26982 \@ifpackagewith{sidecap}{leftcaption}{%
26983 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
26984 \def\SC@justify@caption{\RaggedRight}\else%
26985 \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
26986 \def\SC@justify@caption{\RaggedLeft}\fi%
26987 }{}
26988 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
26989 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
26990 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
26991 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
26992 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
26993 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
26994 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
26995 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
26996 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
26997 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
26998 \@ifpackageloaded{nicematrix}{\input{nicematrix-xetex-bidi.def}}{}
26999 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
27000 \@ifpackageloaded{pgfsys}{\input{pgfsys.code-xetex-bidi.def}}{}
27001 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
27002 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
27003 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}

```



```

27004 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
27005 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
27006 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
27007 \@ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
27008 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
27009 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
27010 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
27011 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
27012 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}
27013 \@ifpackageloaded{beamerbaseauxtemplates}{\input{beamerbaseauxtemplates-xetex-bidi.def}}{}
27014 \@ifpackageloaded{beamerbaseboxes}{\input{beamerbaseboxes-xetex-bidi.def}}{}
27015 \@ifpackageloaded{beamerbasecolor}{\input{beamerbasecolor-xetex-bidi.def}}{}
27016 \@ifpackageloaded{beamerbasecompatibility}{\input{beamerbasecompatibility-xetex-bidi.def}}{}
27017 \@ifpackageloaded{beamerbaseframecomponents}{\input{beamerbaseframecomponents-xetex-bidi.def}}{}
27018 \@ifpackageloaded{beamerbaseframesize}{\input{beamerbaseframesize-xetex-bidi.def}}{}
27019 \@ifpackageloaded{beamerbaselocalstructure}{\input{beamerbaselocalstructure-xetex-bidi.def}}{}
27020 \@ifpackageloaded{beamerbasemisc}{\input{beamerbasemisc-xetex-bidi.def}}{}
27021 \@ifpackageloaded{beamerbasenavigation}{\input{beamerbasenavigation-xetex-bidi.def}}{}
27022 \@ifpackageloaded{beamerbaseoverlay}{\input{beamerbaseoverlay-xetex-bidi.def}}{}
27023 \@ifpackageloaded{beamerinnerthemedefault}{\input{beamerinnerthemedefault-xetex-bidi.def}}{}
27024 \@ifpackageloaded{beamerinnerthemecircles}{\input{beamerinnerthemecircles-xetex-bidi.def}}{}
27025 \@ifpackageloaded{beamerinnerthemefocus}{\input{beamerinnerthemefocus-xetex-bidi.def}}{}
27026 \@ifpackageloaded{beamerinnerthemeinmargin}{\input{beamerinnerthemeinmargin-xetex-bidi.def}}{}
27027 \@ifpackageloaded{beamerinnerthememetropolis}{\input{beamerinnerthememetropolis-xetex-bidi.def}}{}
27028 \@ifpackageloaded{beamerinnerthemerectangles}{\input{beamerinnerthemerectangles-xetex-bidi.def}}{}
27029 \@ifpackageloaded{beamerinnerthemerrounded}{\input{beamerinnerthemerrounded-xetex-bidi.def}}{}
27030 \@ifpackageloaded{beamerouterthemedefault}{\input{beamerouterthemedefault-xetex-bidi.def}}{}
27031 \@ifpackageloaded{beamerouterthemefocus}{\input{beamerouterthemefocus-xetex-bidi.def}}{}
27032 \@ifpackageloaded{beamerouterthemeinfolines}{\input{beamerouterthemeinfolines-xetex-bidi.def}}{}
27033 \@ifpackageloaded{beamerouterthememetropolis}{\input{beamerouterthememetropolis-xetex-bidi.def}}{}
27034 \@ifpackageloaded{beamerouterthememiniframes}{\input{beamerouterthememiniframes-xetex-bidi.def}}{}
27035 \@ifpackageloaded{beamerouterthemesidebar}{\input{beamerouterthemesidebar-xetex-bidi.def}}{}
27036 \@ifpackageloaded{beamerouterthemesplit}{\input{beamerouterthemesplit-xetex-bidi.def}}{}
27037 \@ifpackageloaded{beamerouterthemeshadow}{\input{beamerouterthemeshadow-xetex-bidi.def}}{}
27038 \@ifpackageloaded{beamerouterthesmoothbars}{\input{beamerouterthesmoothbars-xetex-bidi.def}}{}
27039 \@ifpackageloaded{beamerouterthesmoothtree}{\input{beamerouterthesmoothtree-xetex-bidi.def}}{}
27040 \@ifpackageloaded{beamerouterthemetree}{\input{beamerouterthemetree-xetex-bidi.def}}{}
27041 \@ifpackageloaded{beamerthemeHannover}{\input{beamerthemeHannover-xetex-bidi.def}}{}
27042 \@ifpackageloaded{beamerthemeSingapore}{\input{beamerthemeSingapore-xetex-bidi.def}}{}

```

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27043 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package]
27044 \let\@XeTeX\XeTeX
27045 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
27046 \let\@XeLaTeX\XeLaTeX
27047 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

