



The *bidi* Package

Source documentation for version 25.09.15

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.

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The *bid* Package

Bidirectional typesetting with plain $\text{T}_{\text{E}}\text{X}$ and $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$
formats in Xe $\text{T}_{\text{E}}\text{X}$ and Lua $\text{T}_{\text{E}}\text{X}$ engines

Source documentation for [version 25.09.15](#)

Vafa Khalighi*

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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 `\

```




```

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

```

3 File algorithm2e-xetex-bidi.def

```

165 \ProvidesFile{algorithm2e-xetex-bidi.def}[2025/01/03 v0.3 bidi adaptations for algorithm2e
166 \expandafter\ifx\c@name algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\c@name the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi
170 \ApplyPatchIfPackageLoadedF{color}{%
171 \bidi@patchcmd{\@algocf@start}{\bgroup}{%
172 \bgroup
173 \if@RTL
174 \beginR
175 \else
176 \beginL
177 \fi
178 }{}{}
179 \bidi@patchcmd{\@algocf@finish}{\egroup\end{lrbox}}{%
180 \if@RTL
181 \endR
182 \else
183 \endL
184 \fi
185 \egroup
186 \end{lrbox}}%
187 }{}{}
188 \bidi@patchcmd{\algocf@makecaption}{\hbox}{%
189 \if@RTL
190 \hboxR
191 \else
192 \hboxL
193 \fi
194 }{}{}
195 }
196
197 \@ifpackagewith{algorithm2e}{algonl}{%
198 \renewcommand{\theAlgoLine}{\expandafter\c@name the\algocf@float\endcsname\@SepMark\arabic{
199 }}{}
200
201 \@ifpackagewith{algorithm2e}{algopart}{\renewcommand{\algocf@within}{part}}{}
202
203 \@ifpackagewith{algorithm2e}{alگوchapter}{\renewcommand{\algocf@within}{chapter}}{}
204
205 \@ifpackagewith{algorithm2e}{alگوsection}{\renewcommand{\algocf@within}{section}}{}

```

4 File amsbook-xetex-bidi.def



```

206 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class fo
207 \def\tocline#1#2#3#4#5#6#7{\relax
208 \ifnum #1>\c@tocdepth % then omit
209 \else
210 \par \addpenalty\@secpenalty\addvspace{#2}%
211 \begingroup \hyphenpenalty\@M
212 \@ifempty{#4}{%
213 \@tempdima\csname r@tocindent\number#1\endcsname\relax
214 }{%
215 \@tempdima#4\relax
216 }%
217 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else
218 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
219 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
220 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
221 \nobreak
222 \endgroup
223 \fi}
224 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
225 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
226 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
227 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
228 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
229 \columnseprule\z@ \columnsep 35\p@
230 \@indextitlestyle
231 \thispagestyle{plain}%
232 \let\item\@idxitem
233 \parindent\z@ \parskip\z@\@plus.3\p@\relax
234 \if@RTL\raggedleft\else\raggedright\fi
235 \hyphenpenalty\@M
236 \footnotesize}
237 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
238 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
239 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
240 \def\right@footnoterule{%
241 \kern-.4\p@
242 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
243 \kern1\p@\kern-\footnotesep}
244 \def\left@footnoterule{\kern-.4\p@
245 \hrule\@width 5pc\kern1\p@\kern-\footnotesep}
246
247 \long\def\@footnotetext#1{%
248 \insert\footins{%
249 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
250 \reset@font%
251 \bidi@footnotetext@font% \normalfont\footnotesize
252 \interlinepenalty\interfootnotelinepenalty
253 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
254 \floatingpenalty\@MM \hspace\columnwidth
255 \@parboxrestore \parindent\normalparindent \sloppy
256 \protected@edef\@currentlabel{%
257 \csname p@footnote\endcsname\@thefnmark}%
258 \@makefnmark%
259 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}

```



```

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

```



```

314 \ifnum\c@secnumdepth>\m@ne
315 \leavevmode \hskip-\if@RTL\rightskip\else\leftskip\fi
316 \rlap{\vbox to\z@{\vss
317 \centerline{\normalsize\mdseries
318 \uppercase\@xp{\\chaptername}\enspace\thechapter}
319 \vskip 3pc}}\hskip\if@RTL\rightskip\else\leftskip\fi\fi
320 #1\par \endgroup
321 \skip@34\p@ \advance\skip@-\normalbaselineskip
322 \vskip\skip@ }
323 \def\maketitle{\par
324 \@topnum\z@ % this prevents figures from falling at the top of page 1
325 \begingroup
326 \@maketitle
327 \endgroup
328 \c@footnote\z@
329 \def\do##1{\let##1\relax}%
330 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
331 \do\author \do\@xauthor \do\address \do\@xaddress
332 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
333 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
334 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
335 }

```

5 File `amsmath-xetex-bidi.def`

```

336 \ProvidesFile{amsmath-xetex-bidi.def}[2020/05/16 v1.2 bidi adaptations for amsmath package]
337 \let\veqno=\eqno
338 \iftagsleft@ \let\veqno=\leqno \fi
339 \renewcommand{\numberwithin}[3][\arabic]{%
340 \@ifundefined{c@#2}{\nocounterr{#2}}{%
341 \@ifundefined{c@#3}{\nocnterr{#3}}{%
342 \addtoreset{#2}{#3}%
343 \xp\xdef\csname the#2\endcsname{%
344 \xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
345 }
346 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italic
347
348 \bidi@patchcmd\math@cr@@@align\place@tag{%
349 \place@tag
350 \else
351 \place@tag
352 }-{}-}
353

```

6 File `amstext-xetex-bidi.def`

```

354 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package]
355 \def\textdef@#1#2#3{\hbox{%
356 \everymath{#1}%
357 \let\fontsize#2\selectfont
358 \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}

```

7 File `amsthm-xetex-bidi.def`



```

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

```

8 File array-xetex-bidi.def

```

361 \ProvidesFile{array-xetex-bidi.def}[2025/09/11 v0.7 bidi adaptations for array package for
362 \def\@testpach{\@chclass
363 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
364 \ifnum \@lastchclass=7 5 \else
365 \ifnum \@lastchclass=8 \tw@ \else
366 \ifnum \@lastchclass=9 \thr@@
367 \else \z@
368 \ifnum \@lastchclass = 10 \else
369 \edef\@nextchar{\expandafter\string\@nextchar}%
370 \@chnum
371 \if \@nextchar c\z@ \else
372 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
373 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
374 \z@ \@chclass
375 \if \@nextchar |\@ne \else
376 \if \@nextchar !6 \else
377 \if \@nextchar @7 \else
378 \if \@nextchar <8 \else
379 \if \@nextchar >9 \else
380 10
381 \@chnum
382 \if \@nextchar m\thr@@ \else
383 \if \@nextchar p4 \else
384 \if \@nextchar b5 \else
385 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
386 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
387 \def\@tabular{%
388 \leavevmode
389 \UseTaggingSocket{tbl/hmode/begin}%
390 \hbox \bgroup\if@RTLtab\beginR \fi
391 \MathCollectFalse$\MathCollectTrue
392 \col@sep\tabcolsep \let\d@llarbegin\begingroup
393 \let\d@llarend\endgroup
394 \@kernel@tabular@init
395 \@tabarray}
396 \def\endtabular{\endarray\m@th $\if@RTLtab\endR\fi\egroup
397 \UseTaggingSocket{tbl/hmode/end}%
398 }
399 \expandafter\let\csname endtabular*\endcsname=\endtabular
400 \ExplSyntaxOn
401 \def\@array[#1]#2{
402 \@tempdima \ht \strutbox
403 \advance \@tempdima by\extrarowheight
404 \setbox \@arstrutbox \hbox{\vrule
405 \@height \arraystretch \@tempdima
406 \@depth \arraystretch \dp \strutbox
407 \@width \z@}%
408 \tbl_save_outer_table_cols:
409 \begingroup

```



```

410 \@mkpream{#2}%
411 \tbl_count_table_cols:
412 \xdef\@preamble{
413   \noexpand \ar@ialign
414   \@halignto
415   \bgroup \@arstrut
416   \UseTaggingSocket{tbl/row/begin}
417   \tbl_init_cell_data_for_row:
418   \@preamble
419   \tabskip \z@ \cr}
420 \endgroup
421 \@arrayleft
422 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
423 \bgroup
424 \let \@sharp ##\let \protect \relax
425 \lineskip \z@
426 \baselineskip \z@
427 \mathsurround \z@
428 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty
429 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
430 \UseTaggingSocket{tbl/init}
431 \@preamble
432 }
433 \let\@@array\array
434 \def\endarray {
435   \tbl_crcr:n{endarray}
436   \tag_socket_use_expandable:n { math/luamml/array/save }
437   \egroup
438   \tag_socket_use:n { tbl/finalize }
439   \tbl_restore_outer_cell_data:
440   \if@RTLtab\egroup\endR\egroup\fi
441   \egroup
442   \tag_socket_use:n { math/luamml/array/finalize }
443   \@arrayright \gdef\@preamble{}%
444 }
445 \def\array{\col@sep\arraycolsep
446 \def\d@llarbegin{\tag_socket_use:n { math/luamml/array/initcol }}
447 \def\d@llarend
448 {
449   \tag_socket_use:nn { math/luamml/save/nn }{{}}{mtd}}
450   $
451   \tag_socket_use:nn { math/luamml/array/finalizecol}{\the\@chnum}
452 }
453 \def\@halignto{}%
454 \@RTLtabfalse
455 \@tabarray}
456 \ExplSyntaxOff

```

9 File article-xetex-bidi.def

```

457 \ProvidesFile{article-xetex-bidi.def}[2025/09/08 v1.1 bidi adaptations for standard article
458 \IfClassLoadedT{svmult}{\endinput}
459 \if@titlepage
460 \renewcommand\maketitle{\begin{titlepage}%

```



```

461 \let\footnotesize\small
462 \let\right@footnoterule\relax
463 \let\left@footnoterule\relax
464 \let\textwidth@footnoterule\relax
465 \let \footnote \thanks
466 \let \LTRfootnote \LTRthanks
467 \let \RTLfootnote \RTLthanks
468 \null\vfil
469 \vskip 60\p@
470 \begin{center}%
471   {\LARGE \@title \par}%
472   \vskip 3em%
473   {\large
474     \lineskip .75em%
475     \begin{tabular}[t]{c}%
476       \@author
477     \end{tabular}\par}%
478   \vskip 1.5em%
479   {\large \@date \par}%           % Set date in \large size.
480 \end{center}\par
481 \@thanks
482 \vfil\null
483 \end{titlepage}%
484 \setcounter{footnote}{0}%
485 \global\let\thanks\relax
486 \global\let\LTRthanks\relax
487 \global\let\RTLthanks\relax
488 \global\let\maketitle\relax
489 \global\let\@thanks\@empty
490 \global\let\@author\@empty
491 \global\let\@date\@empty
492 \global\let\@title\@empty
493 \global\let\title\relax
494 \global\let\author\relax
495 \global\let\date\relax
496 \global\let\and\relax
497 }
498 \else
499 \renewcommand\maketitle{\par
500   \begingroup
501     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
502     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
503     \long\def\@makefntext##1{\parindent 1em\noindent
504       \hb@xt@1.8em{%
505         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
506     \if@twocolumn
507       \ifnum \col@number=\@ne
508         \@maketitle
509       \else
510         \twocolumn[\@maketitle]%
511       \fi
512     \else
513       \newpage
514       \global\@topnum\z@           % Prevents figures from going at top of page.

```



```

515     \@maketitle
516     \fi
517     \thispagestyle{plain}\@thanks
518 \endgroup
519 \setcounter{footnote}{0}%
520 \global\let\thanks\relax
521 \global\let\LTRthanks\relax
522 \global\let\RTLthanks\relax
523 \global\let\maketitle\relax
524 \global\let\@maketitle\relax
525 \global\let\@thanks\@empty
526 \global\let\@author\@empty
527 \global\let\@date\@empty
528 \global\let\@title\@empty
529 \global\let\title\relax
530 \global\let\author\relax
531 \global\let\date\relax
532 \global\let\and\relax
533 }
534 \def\@maketitle{%
535 \newpage
536 \null
537 \vskip 2em%
538 \begin{center}%
539 \let \footnote \thanks
540 \let \LTRfootnote \LTRthanks
541 \let \RTLfootnote \RTLthanks
542 {\LARGE \@title \par}%
543 \vskip 1.5em%
544 {\large
545 \lineskip .5em%
546 \begin{tabular}[t]{c}%
547 \@author
548 \end{tabular}\par}%
549 \vskip 1em%
550 {\large \@date}%
551 \end{center}%
552 \par
553 \vskip 1.5em}
554 \fi
555 \renewcommand*\l@part[2]{%
556 \ifnum \c@tocdepth >-2\relax
557 \addpenalty\@secpenalty
558 \addvspace{2.25em \@plus\p@}%
559 \setlength\@tempdima{3em}%
560 \begingroup
561 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
562 \parfillskip -\@pnumwidth
563 {\leavevmode
564 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
565 \nobreak
566 \if@compatibility
567 \global\@nobreaktrue
568 \everypar{\global\@nobreakfalse\everypar{}}%

```




```

569     \fi
570   \endgroup
571 \fi}
572 \renewcommand*\l@section[2]{%
573   \ifnum \c@tocdepth >\z@
574     \addpenalty\@secpenalty
575     \advvspace{1.0em \@plus\p@}%
576     \setlength\@tempdima{1.5em}%
577     \begingroup
578       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
579       \parfillskip -\@pnumwidth
580       \leavevmode \bfseries
581       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
582       \hskip -\if@RTL\rightskip\else\leftskip\fi
583       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
584     \endgroup
585 \fi}
586 \renewcommand\left@footnoterule{%
587   \kern-3\p@
588   \hrule\@width.4\columnwidth
589   \kern2.6\p@}
590 \renewcommand\right@footnoterule{%
591   \kern-3\p@
592   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
593   \kern2.6\p@}
594 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
595 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
596 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
597 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
598 \ApplyPatchIfPackageLoaded{nameref}{%
599   \bidi@patchcmd\NR@part\raggedright{%
600     \if@RTL\raggedleft\else\raggedright\fi
601   }-{\bidi@warningnoline{Oops! patching `string\NR@part' failed}}}%
602   \bidi@patchcmd\NR@spart\raggedright{%
603     \if@RTL\raggedleft\else\raggedright\fi
604   }-{\bidi@warningnoline{Oops! patching `string\NR@spart' failed}}}%
605 }-{}%
606   \bidi@patchcmd\@part\raggedright{%
607     \if@RTL\raggedleft\else\raggedright\fi
608   }-{\bidi@warningnoline{Oops! patching `string\@part' failed}}}%
609   \bidi@patchcmd\@spart\raggedright{%
610     \if@RTL\raggedleft\else\raggedright\fi
611   }-{\bidi@warningnoline{Oops! patching `string\@spart' failed}}}%
612 }
613 \renewenvironment{thebibliography}[1]
614   {\section*{\refname}%
615    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
616    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
617    \bidi@thebibliography@font@hook%
618    \list{\@biblabel{\@arabic\c@enumiv}}%
619      {\settowidth\labelwidth{\@biblabel{#1}}%
620       \leftmargin\labelwidth
621       \advance\leftmargin\labelsep
622       \@openbib@code

```



```

623         \usecounter{enumiv}%
624         \let\p@enumiv\@empty
625         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
626     \sloppy
627     \clubpenalty4000
628     \@clubpenalty \clubpenalty
629     \widowpenalty4000%
630     \sfcode`.\@m}
631 {\def\@noitemerr
632     {\@latex@warning{Empty `thebibliography' environment}}}%
633     \endlist}
634 \renewenvironment{theindex}
635     {\if@twocolumn
636         \@restonecolfalse
637         \else
638         \@restonecoltrue
639         \fi
640         \columnseprule \z@
641         \columnsep 35\p@
642         \twocolumn[\section*{\indexname}]}%
643     \@mkboth{\MakeUppercase\indexname}%
644             {\MakeUppercase\indexname}%
645     \thispagestyle{plain}\parindent\z@
646     \parskip\z@ \@plus .3\p@\relax
647     \let\item\@idxitem}
648     {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

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

```



```

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

```



```

728 \if@oldtoc
729 \renewcommand*\l@section[2]{%
730   \addpenalty\@secpenalty
731   \addvspace{1.0em \@plus\p@}%
732   \setlength\@tempdima{1.5em}%
733   \begingroup
734   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
735   \parfillskip -\@pnumwidth
736   \leavevmode \bfseries
737   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
738   \hskip -\if@RTL\rightskip\else\leftskip\fi
739   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
740   \endgroup}
741 \else
742   \renewcommand*\l@section{\@regtocline{1}}
743 \fi
744 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
745 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
746 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
747 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
748 \renewenvironment{thebibliography}[1]
749   {\section*\refname}%
750   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
751   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
752   \bidi@thebibliography@font@hook%
753   \list{\@biblabel{\@arabic\c@enumiv}}%
754     {\settowidth\labelwidth{\@biblabel{#1}}%
755     \leftmargin\labelwidth
756     \advance\leftmargin\labelsep
757     \@openbib@code
758     \usecounter{enumiv}%
759     \let\p@enumiv\@empty
760     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
761   \sloppy\clubpenalty4000\widowpenalty4000%
762   \sfcode`. \@m}
763   {\def\@noitemerr
764     {\@latex@warning{Empty `thebibliography' environment}}%
765   \endlist}
766 \renewcommand*\left@footnoterule{%
767   \kern-3\p@
768   \kern.5\baselineskip
769   \hrule\@width\unitindent
770   \kern.4\baselineskip
771 }
772 \renewcommand*\right@footnoterule{%
773   \kern-3\p@
774   \kern.5\baselineskip
775   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
776   \kern.4\baselineskip}
777 \if@titlepage
778 \renewcommand*\TitleFont{\rmfamily}
779 \renewcommand*\maketitle{%
780   \begin{titlepage}%
781     \let\footnotesize\small

```



```

782 \let\right@footnoterule\relax
783 \let\left@footnoterule\relax
784 \let\textwidth@footnoterule\relax
785 \let \footnote \thanks
786 \long\def\@makefntext##1{\parindent\z@
787 \def\labelitemi{\textendash}\@revlabeltrue
788 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
789 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
790 \if@compatibility\setcounter{page}{0}\fi
791 \null\vfil
792 \vskip 60\p@
793 \begin{center}%
794 \TitleFont
795 {\LARGE \def\{\penalty -\@M}
796 \if@allcaps
797 \expandafter\uc@nothanks\@title\thanks\relax
798 \else
799 \@title
800 \fi\par}%
801 \vskip 3em%
802 {\large
803 \lineskip .75em \parindent\z@
804 \begin{tabular}[t]{c}%
805 \if@allcaps
806 \expandafter\uc@authornothanks\@author\and\relax
807 \else
808 \@author
809 \fi
810 \end{tabular}\par}%
811 \vskip 1.5em%
812 {\large
813 \if@allcaps
814 \uppercase\expandafter{\@date}%
815 \else
816 \@date
817 \fi\par}%
818 \end{center}\par
819 \@thanks
820 \vfil\null
821 \end{titlepage}%
822 \setcounter{footnote}{0}%
823 \global\let\thanks\relax
824 \global\let\maketitle\relax
825 \global\let\@thanks\@empty
826 \global\let\@author\@empty
827 \global\let\@title\@empty
828 \global\let\@date\@empty
829 \global\let\title\relax
830 \global\let\author\relax
831 \global\let\date\relax
832 \global\let\and\relax
833 }
834 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
835 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax

```



```

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

```



```

890     \@author
891     \end{tabular}\par}%
892     \vskip 1em%
893     {\large \TitleFont \@date}%
894     \end{center}%
895     \par
896     \vskip 1.5em}
897 \fi

```

11 File artikel2-xetex-bidi.def

```

898 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class
899 \renewenvironment{theindex}{%
900     \if@twocolumn
901         \@restonecolfalse
902     \else
903         \@restonecoltrue
904     \fi
905     \columnseprule \z@
906     \columnsep 35\p@
907     \twocolumn[\section*{\indexname}]{%
908         \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
909         \thispagestyle{plain}\parindent\z@
910         \parskip\z@ \@plus .3\p@\relax
911         \let\item\@idxitem
912     }{%
913         \if@restonecol\onecolumn\else\clearpage\fi}
914 \renewcommand*\@regtocline[3]{%
915     \ifnum #1>\c@tocdepth
916     \else
917         \vskip\z@ \@plus .2\p@
918         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
919         \if@RTL\righskip\else\leftskip\fi\unitindent
920         \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
921         \parfillskip\z@
922         \@tempdima\unitindent
923         \advance\@tempdima by \othermargin
924         \parindent\z@
925         \leavevmode
926         \hbox{\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
927         \hskip 1em \nobreak{\slshape #3}\par
928         }%
929     \fi}
930 \if@oldtoc
931 \renewcommand*\l@section[2]{%
932     \addpenalty\@secpenalty
933     \addvspace{1.0em \@plus\p@}%
934     \setlength\@tempdima{1.5em}%
935     \begingroup
936     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
937     \parfillskip -\@pnumwidth
938     \leavevmode \bfseries
939     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
940     \hskip -\if@RTL\righskip\else\leftskip\fi

```



```

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

```




```

995     \fi}
996     {\if@twocolumn\else\par\endlist\fi}
997 \fi
998 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
999 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1000 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1001 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1002 \renewcommand*\left@footnoterule{%
1003     \kern-3\p@
1004     \hrule\@width 3\unitindent
1005     \kern 2.6\p@
1006 }
1007 \renewcommand*\right@footnoterule{%
1008     \kern-3\p@
1009     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
1010     \kern 2.6\p@}
1011 \renewenvironment{thebibliography}[1]
1012     {\section*\refname}%
1013     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1014     \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1015     \bidi@thebibliography@font@hook%
1016     \list{\@biblabel{\@arabic\c@enumiv}}%
1017         {\settowidth\labelwidth{\@biblabel{#1}}%
1018         \leftmargin\labelwidth
1019         \advance\leftmargin\labelsep
1020         \@openbib@code
1021         \usecounter{enumiv}%
1022         \let\p@enumiv\@empty
1023         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1024     \sloppy\clubpenalty4000\widowpenalty4000%
1025     \sfcode\.\@m}
1026     {\def\@noitemerr
1027         {\@latex@warning{Empty `thebibliography' environment}}%
1028     \endlist}
1029 \if@titlepage
1030 \renewcommand*\TitleFont{\rmfamily}
1031 \renewcommand*\maketitle{%
1032     \begin{titlepage}%
1033         \let\footnotesize\small
1034         \let\right@footnoterule\relax
1035         \let\left@footnoterule\relax
1036         \let\textwidth@footnoterule\relax
1037         \let \footnote \thanks
1038         \long\def\@makefnmark##1{\parindent\z@
1039             \def\labelitemi{\textendash}\@revlabeltrue
1040             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1041         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1042         \if@compatibility\setcounter{page}{0}\fi
1043         \null\vfil
1044         \vskip 60\p@
1045         \begin{center}%
1046             \TitleFont
1047             {\LARGE \def\{\penalty -\@M}
1048             \if@allcaps

```



```

1049         \expandafter\uc@nothanks \@title\thanks\relax
1050     \else
1051         \@title
1052     \fi\par}%
1053 \vskip 3em%
1054 {\large
1055 \lineskip .75em \parindent\z@
1056 \begin{tabular}[t]{c}%
1057     \if@allcaps
1058         \expandafter\uc@authornothanks \@author\and\relax
1059     \else
1060         \@author
1061     \fi
1062 \end{tabular}\par}%
1063 \vskip 1.5em%
1064 {\large
1065 \if@allcaps
1066     \uppercase\expandafter{\@date}%
1067 \else
1068     \@date
1069 \fi\par}%
1070 \end{center}\par
1071 \@thanks
1072 \vfil\null
1073 \end{titlepage}%
1074 \setcounter{footnote}{0}%
1075 \global\let\thanks\relax
1076 \global\let\maketitle\relax
1077 \global\let\@thanks\@empty
1078 \global\let\@author\@empty
1079 \global\let\@title\@empty
1080 \global\let\@date\@empty
1081 \global\let\title\relax
1082 \global\let\author\relax
1083 \global\let\date\relax
1084 \global\let\and\relax
1085 }
1086 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1087 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1088     \futurelet\@tempa\uc@ax}
1089 \def\uc@ax{%
1090     \ifx\@tempa\relax
1091     \else
1092         \ \andname \ \ \expandafter\uc@authornothanks
1093     \fi}
1094 \def\uc@tx{\ifx\@tempa\relax
1095     \else \expandafter\uc@ty \fi}
1096 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1097 \else
1098 \renewcommand*\maketitle{\par
1099     \begingroup
1100     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1101     \long\def\@makefntext##1{\parindent\z@
1102     \def\labelitemi{\textendash}%

```



```

1103     \leavevmode\hb@xt@.5\unitindent{%
1104         \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1105 \if@twocolumn
1106     \ifnum \col@number=\@ne
1107         \@maketitle
1108     \else
1109         \twocolumn[\@maketitle]%
1110     \fi
1111 \else
1112     \newpage
1113     \global\@topnum\z@
1114     \@maketitle
1115 \fi
1116 \thispagestyle{plain}\@thanks
1117 \endgroup
1118 \setcounter{footnote}{0}%
1119 \global\let\thanks\relax
1120 \global\let\maketitle\relax
1121 \global\let\@maketitle\relax
1122 \global\let\@thanks\@empty
1123 \global\let\@author\@empty
1124 \global\let\@title\@empty
1125 \global\let\@date\@empty
1126 \global\let\title\relax
1127 \global\let\author\relax
1128 \global\let\date\relax
1129 \global\let\and\relax
1130 }
1131 \def\@maketitle{%
1132     \newpage
1133     \null
1134     \vskip 2em%
1135     \begin{center}%
1136         \let \footnote \thanks
1137         {\LARGE \TitleFont \@title \par}%
1138         \vskip 1.5em%
1139         {\large \TitleFont
1140             \lineskip .5em%
1141             \begin{tabular}[t]{c}%
1142                 \@author
1143             \end{tabular}\par}%
1144         \vskip 1em%
1145         {\large \TitleFont \@date}%
1146     \end{center}%
1147     \par
1148     \vskip 1.5em}
1149 \fi

```

12 File artikel3-xetex-bidi.def

```

1150 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class
1151 \renewenvironment{theindex}{%
1152     \if@twocolumn
1153         \@restonecolfalse

```



```

1154 \else
1155   \@restonecoltrue
1156 \fi
1157 \columnseprule \z@
1158 \columnsep 35\p@
1159 \twocolumn[\section*{\indexname}]%
1160 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1161 \thispagestyle{plain}\parindent\z@
1162 \parskip\z@ \@plus .3\p@\relax
1163 \let\item\@idxitem
1164 }{%
1165 \if@restonecol\onecolumn\else\clearpage\fi}
1166 \renewcommand*{\head@style}{%
1167   \interlinepenalty \@M
1168   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1169   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsizel\relax}
1170 \renewcommand*\@regtocline[3]{%
1171   \ifnum #1>\c@tocdepth
1172   \else
1173     \vskip\z@ \@plus .2\p@
1174     {\hangindent\z@ \afterindenttrue \interlinepenalty \@M
1175     \ifRTL\rightskip\else\leftskip\fi\unitindent
1176     \ifRTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1177     \parfillskip\z@
1178     \@tempdima\unitindent
1179     \parindent\z@
1180     \leavevmode
1181     \hbox{} \hskip -\ifRTL\rightskip\else\leftskip\fi\relax#2\nobreak
1182     \hskip 1em \nobreak{\slshape #3}\par
1183     }%
1184   \fi}
1185 \if@oldtoc
1186 \renewcommand*\l@part[2]{%
1187   \ifnum \c@tocdepth >-2\relax
1188     \addpenalty\@secpenalty
1189     \addvspace{2.25em \@plus \p@}%
1190     \begingroup
1191       \setlength\@tempdima{3em}%
1192       \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
1193       \parfillskip -\@pnumwidth
1194       {\leavevmode
1195         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1196         \nobreak
1197         \if@compatibility
1198           \global\@nobreaktrue
1199           \everypar{\global\@nobreakfalse\everypar{}}%
1200         \fi
1201       \endgroup
1202   \fi}
1203 \else
1204 \renewcommand*\l@part{%
1205   \ifnum \c@tocdepth >-2\relax
1206     \addpenalty\@secpenalty
1207     \addvspace{2.25em \@plus \p@}%

```



```

1208     \@regtocline{0}%
1209     \fi}
1210 \fi
1211
1212 \if@oldtoc
1213 \renewcommand*\l@section[2]{%
1214     \addpenalty\@secpenalty
1215     \advspace{1.0em \@plus\p@}%
1216     \setlength\@tempdima{1.5em}%
1217     \begingroup
1218     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1219     \parfillskip -\@pnumwidth
1220     \leavevmode \bfseries
1221     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1222     \hskip -\if@RTL\rightskip\else\leftskip\fi
1223     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1224     \endgroup}
1225 \else
1226     \renewcommand*\l@section{\@regtocline{1}}
1227 \fi
1228 \if@titlepage
1229     \renewenvironment{abstract}{%
1230         \titlepage
1231         \null\vfil
1232         \section*\SectFont\abstractname}%
1233         \noindent\ignorespaces}
1234         {\par\vfil\null\endtitlepage}
1235 \else
1236     \renewenvironment{abstract}{%
1237         \if@twocolumn
1238             \section*\abstractname}%
1239         \else
1240             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1241             \section*\small\SectFont\abstractname}%
1242             \noindent\ignorespaces
1243             \fi}
1244             {\if@twocolumn\else\par\egroup\fi}
1245 \fi
1246 \renewcommand*\left@footnoterule{%
1247     \kern-3\p@
1248     \kern.5\baselineskip
1249     \hrule\@width\unitindent
1250     \kern.4\baselineskip
1251 }
1252 \renewcommand*\right@footnoterule{%
1253     \kern-3\p@
1254     \kern.5\baselineskip
1255     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1256     \kern.4\baselineskip}
1257 \renewcommand*\thesubsection{\@SepMark\@arabic\c@subsection}
1258 \renewcommand*\thesubsubsection{\@SepMark\@arabic\c@subsubsection}
1259 \renewcommand*\theparagraph{\@SepMark\@arabic\c@paragraph}
1260 \renewcommand*\thesubparagraph{\@SepMark\@arabic\c@subparagraph}
1261 \renewenvironment{thebibliography}[1]

```



```

1262 {\section*{\refname}%
1263   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1264   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1265   \bidi@thebibliography@font@hook%
1266   \list{\@biblabel{\@arabic\c@enumiv}}%
1267     {\settowidth\labelwidth{\@biblabel{#1}}%
1268     \leftmargin\labelwidth
1269     \advance\leftmargin\labelsep
1270     \@openbib@code
1271     \usecounter{enumiv}%
1272     \let\p@enumiv\@empty
1273     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1274   \sloppy\clubpenalty4000\widowpenalty4000%
1275   \sfcode\.\@M}
1276 {\def\@noitemerr
1277   {\@latex@warning{Empty `thebibliography' environment}}%
1278   \endlist}
1279 \if@titlepage
1280 \renewcommand*\TitleFont{\rmfamily}
1281 \renewcommand*\maketitle{%
1282   \begin{titlepage}%
1283     \let\footnotesize\small
1284     \let\right@footnoterule\relax
1285     \let\left@footnoterule\relax
1286     \let\textwidth@footnoterule\relax
1287     \let \footnote \thanks
1288     \long\def\@makefnmark##1{\parindent\z@
1289       \def\labelitemi{\textendash}\@revlabeltrue
1290       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1291     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1292     \if@compatibility\setcounter{page}{0}\fi
1293     \null\vfil
1294     \vskip 60\p@
1295     \begin{center}%
1296       \TitleFont
1297       {\LARGE \def\{\penalty -\@M}
1298         \if@allcaps
1299           \expandafter\uc@nothanks\@title\thanks\relax
1300         \else
1301           \@title
1302         \fi\par}%
1303     \vskip 3em%
1304     {\large
1305       \lineskip .75em \parindent\z@
1306       \begin{tabular}[t]{c}%
1307         \if@allcaps
1308           \expandafter\uc@authornothanks\@author\and\relax
1309         \else
1310           \@author
1311         \fi
1312       \end{tabular}\par}%
1313     \vskip 1.5em%
1314     {\large
1315       \if@allcaps

```



```

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

```



```

1370 \global\let\maketitle\relax
1371 \global\let\@maketitle\relax
1372 \global\let\@thanks\@empty
1373 \global\let\@author\@empty
1374 \global\let\@title\@empty
1375 \global\let\@date\@empty
1376 \global\let\title\relax
1377 \global\let\author\relax
1378 \global\let\date\relax
1379 \global\let\and\relax
1380 }
1381 \def\@maketitle{%
1382 \newpage
1383 \null
1384 \vskip 2em%
1385 \if@titlecentered
1386 \begin{center}%
1387 \let \footnote \thanks
1388 {\LARGE \TitleFont \@title \par}%
1389 \vskip 1.5em%
1390 {\large \TitleFont
1391 \lineskip .5em%
1392 \begin{tabular}[t]{c}%
1393 \@author
1394 \end{tabular}\par}%
1395 \vskip 1em%
1396 {\large \TitleFont \@date}%
1397 \end{center}%
1398 \else
1399 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1400 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1401 \def\and{%% \begin{tabular} has already started
1402 \end{tabular}\hskip 1em plus .17fil
1403 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tab
1404 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}
1405 \vskip 1em {\large \TitleFont \@date}
1406 \fi
1407 \par
1408 \vskip 1.5em}
1409 \fi

```

13 File arydshln-xetex-bidi.def

```

1410 \ProvidesFile{arydshln-xetex-bidi.def}[2025/01/03 v0.3 bidi adaptations for arydshln packag
1411 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \ifRTLtab\egroup\endR\egroup\fi\egro
1412 \def\endtabular{\endarray $\ifRTLtab\endR\fi\egroup}
1413 \expandafter\let\csname endtabular*\endcsname\endtabular
1414 \let\adl@array\@array
1415 \def\@array{\adl@everyvbox\everyvbox
1416 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1417 \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1418 \let\adl@noalign\noalign
1419 \adl@array}
1420 \ifadl@usingarypkg

```




```

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

```



```

1475         \if #1@ \tw@ \else
1476             \if #1p \thr@@ \else \z@ \@preamerr 0 \fi
1477     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1478
1479 \def \@arrayclassz {\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1480     \or \or \@addamp \or
1481     \@acolampacol \or \@firstampfalse \@acol \fi
1482 \edef \@preamble {\@preamble
1483     \ifcase \@chnum
1484         \hfil \adl@putlrc{\$ \relax \@sharp$} \hfil
1485         \or \adl@putlrc{\$ \relax \@sharp$} \hfil
1486         \or \hfil \adl@putlrc{\$ \relax \@sharp$} \fi}}
1487 \def \@tabclassz {\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1488     \or \or \@addamp \or
1489     \@acolampacol \or \@firstampfalse \@acol \fi
1490 \edef \@preamble {\@preamble
1491     \ifcase \@chnum
1492         \hfil \adl@putlrc{\@sharp \unskip} \hfil
1493         \or \adl@putlrc{\@sharp \unskip} \hfil
1494         \or \hfil \hskip \z@ \adl@putlrc{\@sharp \unskip} \fi}}
1495 \def \adl@class@start {6}
1496 \def \adl@class@iiiorvii {3}
1497 \fi
1498 \ApplyPatchCodeToPackage {colortbl} {%
1499 \def \adl@inactivate {\adl@org@inactivate \let \CT@setup \adl@CT@setup}
1500 \def \adl@activate {\adl@org@activate \let \CT@setup \adl@act@CT@setup
1501     \let \endpbox \adl@org@endpbox}
1502 \let \adl@CT@setup \CT@setup
1503 \def \CT@setup {\adl@CT@setup
1504     \@tempdima \ht \z@ \advance \@tempdima \minrowclearance
1505     \ifdim \adl@height < \@tempdima \global \adl@height \@tempdima \fi
1506     \ifdim \adl@depth < \dp \z@ \global \adl@depth \dp \z@ \fi}
1507 \let \adl@act@CT@setup \CT@setup
1508 \def \@classz {\@classx
1509     \@tempcnta \count@ \prepnext@tok
1510     \expandafter \CT@extract \the \toks \@tempcnta \columncolor! \@nil
1511     \expandafter \adl@extract @arc \the \toks \@tempcnta \arrayrulecolor! \@nil
1512     \expandafter \adl@extract @drsc
1513         \the \toks \@tempcnta \doublerulesepcolor! \@nil
1514     \expandafter \adl@extract @dgc \the \toks \@tempcnta \dashgapcolor! \@nil
1515     \@addtopreamble {\if@RTL \beginL \fi%
1516         \setbox \z@ \hbox \bgroup \bgroup \if@RTL \beginR \fi
1517     \ifcase \@chnum
1518         \hskip \stretch { .5} \kern \z@
1519         \d@llarbegin
1520         \insert @column
1521         \d@llarend \hskip \stretch { .5}%
1522     \or \d@llarbegin \insert @column \d@llarend \hfill
1523     \or \hfill \kern \z@ \d@llarbegin \insert @column \d@llarend
1524     \or $\vcenter
1525         \@startpbox {\@nextchar} \insert @column \@endpbox $%
1526     \or \vtop \@startpbox {\@nextchar} \insert @column \@endpbox
1527     \or \vbox \@startpbox {\@nextchar} \insert @column \@endpbox
1528 \fi}

```



```

1529             \if@RTL\endR\fi\egroup\egroup
1530         \begingroup
1531             \CT@setup
1532             \CT@column@color
1533             \CT@row@color
1534             \CT@cell@color
1535             \CT@do@color
1536         \endgroup
1537         \@tempdima\ht\z@
1538         \advance\@tempdima\minrowclearance
1539         \vrule\@height\@tempdima\@width\z@
1540         \unhbox\z@\if@RTL\endL\fi}%
1541     \prepnext@tok}
1542 \let\adl@act@classz\@classz
1543 \let\adl@org@classz\@classz
1544 }

```

14 File beamer-xetex-bidi.def

```

1545 \ProvidesFile{beamer-xetex-bidi.def}[2022/06/07 v0.3 bidi adaptations for beamer class for
1546 \AtBeginDocument{%
1547     \if@RTLmain
1548         \raggedleft
1549     \else
1550         \raggedright
1551     \fi
1552 }
1553
1554 \renewcommand*{\bidi@beamer@ragged}{%
1555     \if@RTL
1556         \raggedleft
1557     \else
1558         \raggedright
1559     \fi
1560 }
1561
1562

```

15 File beamerbaseauxtemplates-xetex-bidi.def

```

1563 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2025/01/03 v0.5 bidi adaptations for b
1564 \bidi@csundef{beamer@@tmpop@subsection in toc@sections numbered}
1565
1566 \bidi@csundef{beamer@@tmpop@subsubsection in toc@sections numbered}
1567
1568 \bidi@csundef{beamer@@tmpop@section in toc@subsections numbered}
1569
1570 \bidi@csundef{beamer@@tmpop@subsection in toc@subsections numbered}
1571
1572 \bidi@csundef{beamer@@tmpop@subsubsection in toc@subsections numbered}
1573
1574 \defbeamer@template{subsection in toc}{sections numbered}
1575 {\leavevmode\bidi@beamer@leftskip=2.5em\inserttocsubsection\par}
1576

```



```

1577 \defbeamertemplate{subsubsection in toc}{sections numbered}
1578 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3.5em\usebeam
1579 \inserttocsubsubsection\par}
1580
1581 \defbeamertemplate{section in toc}{subsections numbered}
1582 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsection\par}
1583
1584 \defbeamertemplate{subsection in toc}{subsections numbered}
1585 {\leavevmode\bidi@beamer@leftskip=2em\rlap{\hskip-2em\inserttocsectionnumber.\inserttocsubs
1586
1587 \defbeamertemplate{subsubsection in toc}{subsections numbered}
1588 {\leavevmode\normalsize\usebeamerfont{subsection in
1589 toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1590 \inserttocsubsubsection\par}
1591
1592 \bidi@csundef{beamer@@tmpop@section in toc@circle}
1593
1594 \bidi@csundef{beamer@@tmpop@subsection in toc@circle}
1595
1596 \bidi@csundef{beamer@@tmpop@subsubsection in toc@circle}
1597
1598 \defbeamertemplate{section in toc}{circle}
1599 {\leavevmode\bidi@beamer@leftskip=2em%
1600 \llap{%
1601 \usebeamerfont*{section number projected}%
1602 \usebeamercolor{section number projected}%
1603 \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1604 \color{bg}
1605 \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1606 \pgfusepath{fill}
1607 \pgftext [base]{\color{fg}\inserttocsectionnumber}
1608 \end{pgfpicture}\kern1.25ex%
1609 }%
1610 \inserttocsection\par}
1611
1612 \defbeamertemplate{subsection in toc}{circle}
1613 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsection\par}
1614
1615 \defbeamertemplate{subsubsection in toc}{circle}
1616 {\leavevmode\normalsize\usebeamerfont{subsection in
1617 toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1618 \inserttocsubsubsection\par}
1619
1620 \bidi@csundef{beamer@@tmpop@section in toc@square}
1621
1622 \bidi@csundef{beamer@@tmpop@subsection in toc@square}
1623
1624 \bidi@csundef{beamer@@tmpop@subsubsection in toc@square}
1625
1626 \bidi@csundef{beamer@@tmpop@enumerate item@square}
1627
1628 \bidi@csundef{beamer@@tmpop@enumerate subitem@square}
1629
1630 \bidi@csundef{beamer@@tmpop@enumerate subsubitem@square}

```



```

1631
1632 \bidi@cundef{beamer@tmpop@enumerate mini template@square}
1633
1634 \defbeamertemplate{section in toc}{square}
1635 {\leavevmode\bidi@beamer@leftskip=3ex%
1636   \llap{%
1637     \usebeamerfont*{section number projected}%
1638     \usebeamercolor[bg]{section number projected}%
1639     \if@RTL
1640     \else
1641       \vrule width2.25ex height1.85ex depth.4ex%
1642       \hskip-2.25ex%
1643     \fi
1644     \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}}%
1645     \if@RTL
1646       \hskip-2.25ex%
1647       \vrule width2.25ex height1.85ex depth.4ex%
1648     \fi
1649   }\kern1.25ex}%
1650 \inserttocsection\par}
1651
1652 \defbeamertemplate{subsection in toc}{square}
1653 {\leavevmode\bidi@beamer@leftskip=5ex\llap{%
1654   \usebeamercolor[bg]{subsection number projected}%
1655   \vrule width1ex height1ex\kern1ex}}\inserttocsubsection\par}
1656
1657 \defbeamertemplate{subsubsection in toc}{square}
1658 {\leavevmode\normalsize\usebeamerfont{subsection in
1659   toc}\bidi@beamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1660   \llap{%
1661     \usebeamercolor[bg]{subsubsection number projected}%
1662     \vrule width0.75ex height0.75ex\kern1ex}}\inserttocsubsubsection\par}
1663
1664 \defbeamertemplate{enumerate item}{square}
1665 {
1666   \hbox{%
1667     \usebeamerfont*{item projected}%
1668     \usebeamercolor[bg]{item projected}%
1669     \if@RTL
1670     \else
1671       \vrule width2.25ex height1.85ex depth.4ex%
1672       \hskip-2.25ex%
1673     \fi
1674     \hbox to2.25ex{%
1675       \hfil%
1676       \color{fg}\insertenumlabel%
1677       \hfil}}%
1678     \if@RTL
1679       \hskip-2.25ex%
1680       \vrule width2.25ex height1.85ex depth.4ex%
1681     \fi
1682   }}%
1683 }
1684 [action]

```



```

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

```



```

1739 \hbox to2.25ex{%
1740 \hfil%
1741 \color{fg}\insertenumlabel%
1742 \hfil}}%
1743 \if@RTL
1744 \hskip-2.25ex%
1745 \vrule width2.25ex height1.85ex depth.4ex%
1746 \fi
1747 }}%
1748 }
1749
1750 \bidi@csundef{beamer@tmpop@section in toc@ball unnumbered}
1751
1752 \bidi@csundef{beamer@tmpop@subsection in toc@ball unnumbered}
1753
1754 \bidi@csundef{beamer@tmpop@subsubsection in toc@ball unnumbered}
1755
1756 \defbeamertemplate{section in toc}{ball unnumbered}
1757 {\leavevmode\bidi@beamer@leftskip=2.25ex%
1758 \llap{%
1759 \raise0.1ex\beamer@usesphere{section number projected}{bigosphere}\kern1.25ex}%
1760 \inserttocsection\par}
1761
1762 \defbeamertemplate{subsection in toc}{ball unnumbered}
1763 {\leavevmode\bidi@beamer@leftskip=5.1ex\llap{%
1764 \raise0.2ex\beamer@usesphere{subsection number projected}{smallsphere}\kern1ex}\inserttocsection\par}
1765
1766 \defbeamertemplate{subsubsection in toc}{ball unnumbered}
1767 {\leavevmode\normalsize\usebeamerfont{subsection in
1768 toc}\bidi@beamer@leftskip=8.2ex\usebeamerfont{subsubsection in toc}%
1769 \llap{%
1770 \beamer@usesphere{subsubsection number projected}{smallsphere}\kern0.75ex}\inserttocsection\par}
1771
1772 \bidi@csundef{beamer@tmpop@section in toc@ball}
1773
1774 \bidi@csundef{beamer@tmpop@subsection in toc@ball}
1775
1776 \bidi@csundef{beamer@tmpop@subsubsection in toc@ball}
1777
1778 \defbeamertemplate{section in toc}{ball}
1779 {\leavevmode\bidi@beamer@leftskip=2.75ex%
1780 \llap{%
1781 \normalsize%
1782 \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1783 \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1784 \pgftext{%
1785 \usebeamerfont*{section number projected}%
1786 \usebeamerfont*{section number projected}%
1787 \color{fg!90!bg}%
1788 \inserttocsectionnumber}
1789 \end{pgfpicture}%
1790 \kern1.25ex}%
1791 \inserttocsection\par}
1792 }

```



```

1793 [action]
1794 {\setbeamerfont{section number projected}{size=\scriptsize}}
1795
1796 \defbeamertemplate{subsection in toc}{ball}
1797 {\leavevmode\bidibeamer@leftskip=5ex%
1798   \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigsphere}\kern1ex}%
1799   \inserttocsubsection\par%
1800 }
1801
1802 \defbeamertemplate{subsubsection in toc}{ball}
1803 {\leavevmode\normalsize\usebeamerfont{subsection in
1804   toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1805   \llap{\beamer@usesphere{subsubsection number projected}{bigsphere}\kern0.75ex}%
1806   \inserttocsubsubsection\par%
1807 }
1808
1809 \bidi@csundef{beamer@@tmpop@block begin@rounded}
1810
1811 \bidi@csundef{beamer@@tmpop@block alerted begin@rounded}
1812
1813 \bidi@csundef{beamer@@tmpop@block example begin@rounded}
1814
1815 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1816 {%
1817   \par\vskip\medskipamount%
1818   \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1819     {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1820     \bidi@beamer@ragged%
1821     \usebeamerfont{block body}%
1822 }%
1823
1824 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1825 {%
1826   \par\vskip\medskipamount%
1827   \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1828     {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1829     \bidi@beamer@ragged%
1830     \usebeamerfont{block body alerted}%
1831 }%
1832
1833 \defbeamertemplate{block example begin}{rounded}[1][shadow=false]
1834 {%
1835   \par\vskip\medskipamount%
1836   \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]%
1837     {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1838     \bidi@beamer@ragged%
1839     \usebeamerfont{block body example}%
1840 }%
1841
1842 \bidi@csundef{beamer@@tmpop@caption@numbered}
1843
1844 \defbeamertemplate{caption}{numbered}
1845 {%
1846   \leavevmode

```




```

1847 \bidi@beamer@ragged
1848 {%
1849 \usebeamercolor[fg]{caption name}%
1850 \usebeamerfont*{caption name}%
1851 \insertcaptionname~\insertcaptionnumber
1852 \usebeamertemplate{caption label separator}%
1853 }%
1854 \insertcaption\par
1855 }
1856
1857 \bidi@csundef{beamer@tmpop@caption@caption name own line}
1858
1859 \defbeamertemplate{caption}{caption name own line}
1860 {%
1861 \begin{minipage}{\textwidth}
1862 \leavevmode
1863 \bidi@beamer@ragged
1864 {%
1865 \usebeamercolor[fg]{caption name}%
1866 \usebeamerfont*{caption name}%
1867 \insertcaptionname%
1868 }\\
1869 \insertcaption
1870 \end{minipage}
1871 }
1872
1873 \ApplyPatchCodeToPackage{caption}{%
1874 \DeclareCaptionFont{beamer@font}{%
1875 \usebeamerfont*{caption}%
1876 % \usebeamercolor[fg]{caption}%
1877 }
1878 \SetCaptionDefault{font}{beamer@font}
1879 \DeclareCaptionJustification{bidi@beamer@ragged}{\bidi@beamer@ragged}
1880 \SetCaptionDefault{justification}{bidi@beamer@ragged}
1881 }
1882

```

16 File beamerbaseboxes-xetex-bidi.def

```

1883 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerbaseboxes]
1884 \renewcommand\beamerboxesrounded[2] [] {%
1885 \global\let\beamer@firstlineitemizeunskip=\relax%
1886 \vbox\bgroup%
1887 \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1888 \setkeys{beamerboxes}{#1}%
1889 {%
1890 \usebeamercolor{\bmb@lower}%
1891 \globalcolorstrue%
1892 \colorlet{lower.bg}{bg}%
1893 }%
1894 {%
1895 \usebeamercolor{\bmb@upper}%
1896 \globalcolorstrue%
1897 \colorlet{upper.bg}{bg}%

```



```

1898 }%
1899 %
1900 % Typeset head
1901 %
1902 \vskip4bp
1903 \setbox\bmb@box=\hbox{%
1904   \begin{minipage}[b]{\bmb@width}%
1905     \usebeamercolor[fg]{\bmb@upper}%
1906     #2%
1907   \end{minipage}}%
1908 \ifdim\wd\bmb@box=0pt%
1909   \setbox\bmb@box=\hbox{%
1910     \ht\bmb@box=1.5pt%
1911     \bmb@prevheight=-4.5pt%
1912   \else%
1913     \wd\bmb@box=\bmb@width%
1914     \bmb@temp=\dp\bmb@box%
1915     \ifdim\bmb@temp<1.5pt%
1916       \bmb@temp=1.5pt%
1917     \fi%
1918     \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1919     \dp\bmb@box=0pt%
1920     \bmb@prevheight=\ht\bmb@box%
1921   \fi%
1922   \bmb@temp=\bmb@width%
1923   \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1924   \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1925   \hbox{%
1926     \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1927       \ifdim\wd\bmb@box=0pt%
1928         \color{lower.bg}%
1929       \else%
1930         \color{upper.bg}%
1931       \fi%
1932       \pgfpathmoveto{-4bp}{-1bp}
1933       \pgfpathqcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1934       \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1935       \pgfpathcurveto%
1936         {\pgfpoint{\bmb@dima}{3bp}}%
1937         {\pgfpoint{\bmb@dimb}{1.2bp}}%
1938         {\pgfpoint{\bmb@dimb}{-1bp}}%
1939       \bmb@dima=-\ht\bmb@box%
1940       \advance\bmb@dima by-2pt%
1941       \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1942       \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1943       \pgfusepath{fill}
1944     \end{pgfpicture}%
1945     \copy\bmb@box%
1946   }%
1947   \nointerlineskip%
1948   \vskip-1pt%
1949   \ifdim\wd\bmb@box=0pt%
1950   \else%
1951   \hbox{%

```



```

1952 \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1953 \bmb@dima=\bmb@width%
1954 \advance\bmb@dima by8bp%
1955 \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1956 \pgfusepath{clip}
1957 {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext [left,base]{\pgfuseshading{\bmb@trans
1958 \end{pgfpicture}%
1959 }%
1960 \nointerlineskip%
1961 \vskip-0.5pt%
1962 \fi%
1963 \setbox\bmb@colorbox=\hbox{{\pgfpicturetrue\pgfsetcolor{lower.bg}}}%
1964 \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1965 \vskip2pt%
1966 \usebeamercolor [fg]{\bmb@lower}%
1967 \colorlet{beamerstructure}{upper.bg}%
1968 \colorlet{structure}{upper.bg}%
1969 %\color{.}%
1970 \@bidi@list@minipage@parboxfalse
1971 }
1972
1973 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1974 \begingroup
1975 \@RTLfalse
1976 }{}{}
1977
1978

```

17 File beamerbasecolor-xetex-bidi.def

```

1979 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for beamerbasecolor]
1980 \renewenvironment{beamercolbox}[2] [] {%
1981 \def\beamer@vmode{\leavevmode}%
1982 \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1983 leftskip=0pt,rightskip=0pt plus1fil,%
1984 sep=0pt,colsep=0pt,colsep*=0pt,%
1985 shadow=false,rounded=false,ignorebg=false}%
1986 \if@RTL
1987 \setkeys{beamercolbox}{rightskip=0pt,leftskip=0pt plus1fil}%
1988 \else
1989 \setkeys{beamercolbox}{leftskip=0pt,rightskip=0pt plus1fil}%
1990 \fi
1991 \setkeys{beamercolbox}{#1}%
1992 \ifbeamercoloreempty[bg]{#2}{\@tempswafalse}{\@tempswatrue}%
1993 \ifbeamer@colbox@ignorebg\@tempswafalse\fi%
1994 \def\beamer@colbox@color{#2}%
1995 \setbox\beamer@tempbox=\hbox\bgroup\color@begingroup
1996 \ifbeamer@colbox@ignorebg%
1997 \colorlet{beamer@temp@color}{bg}%
1998 \usebeamercolor [fg]{#2}%
1999 \colorlet{bg}{beamer@temp@color}%
2000 \else%
2001 \usebeamercolor [fg]{#2}%
2002 \fi%

```



```

2003 \beginL
2004 \vbox\bgroup%
2005 \hsize=\beamer@colbox@wd%
2006 \@arrayparboxrestore%
2007 \leftskip=\beamer@colbox@ls%
2008 \ifdim\beamer@colbox@sep>\z@\advance\leftskip\beamer@colbox@sep\fi%
2009 \rightskip=\beamer@colbox@rs%
2010 \ifdim\beamer@colbox@sep>\z@\advance\rightskip\beamer@colbox@sep\fi%
2011 \if@tempswa\ifdim\beamer@colbox@colsep>\z@%
2012 \advance\leftskip by\beamer@colbox@colsep%
2013 \advance\rightskip by\beamer@colbox@colsep%
2014 \vskip\beamer@colbox@colsep%
2015 \fi%
2016 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
2017 \fi%
2018 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
2019 \beamer@vmode\ignorespaces}{%
2020 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
2021 \if@tempswa
2022 \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
2023 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
2024 \fi%
2025 \egroup\endL\color@endgroup\egroup%
2026 \wd\beamer@tempbox=\beamer@colbox@wd%
2027 \ifx\beamer@colbox@ht\@empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
2028 \ifx\beamer@colbox@dp\@empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
2029 \ifbeamer@colbox@rounded%
2030 \if@tempswa%
2031 \begin{beamerboxesrounded}[%
2032 shadow=\beamer@colbox@shadow,%
2033 lower=\beamer@colbox@color,%
2034 upper=normal text,%
2035 width=\beamer@colbox@wd]{%
2036 \box\beamer@tempbox%
2037 \end{beamerboxesrounded}%
2038 \else%
2039 \ifdim\wd\beamer@tempbox>\textwidth%
2040 \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
2041 \fi%
2042 \box\beamer@tempbox%
2043 \fi%
2044 \else%
2045 \if@tempswa\setbox\beamer@tempbox=\hbox{%
2046 \usebeamercolor{\beamer@colbox@color}%
2047 \hskip-\beamer@colbox@colseps%
2048 \fboxsep=\z@\colorbox{bg}{%
2049 \hskip\beamer@colbox@colseps%
2050 \box\beamer@tempbox%
2051 \hskip\beamer@colbox@colseps%
2052 }%
2053 \hskip-\beamer@colbox@colseps%
2054 }\fi%
2055 \ifdim\wd\beamer@tempbox>\textwidth%
2056 \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box

```



```

2057 \fi%
2058 \box\beamer@tempbox%
2059 \fi%
2060 }
2061
2062

```

18 File beamerbasecompatibility-xetex-bidi.def

```

2063 \ProvidesFile{beamerbasecompatibility-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for
2064 \def\insertvrule#1#2{\hbox{{\color{#2}\hskip-\Gm@lmargin\vrule width \paperwidth height #1\
2065
2066

```

19 File beamerbaseframecomponents-xetex-bidi.def

```

2067 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2024/12/28 v0.7 bidi adaptations fo
2068 \renewcommand{\setbeamersize}[1]{%
2069 \beamer@dogeometryfalse%
2070 \setkeys{beamer@margin}#{1}%
2071 \ifbeamer@dogeometry%
2072 % Reset left margin now
2073 \beamer@tempdim=\beamer@leftmargin%
2074 \advance\beamer@tempdim by\beamer@leftsidebar%
2075 \if@RTLmain
2076 \geometry{right=\the\beamer@tempdim}%
2077 \else
2078 \geometry{left=\the\beamer@tempdim}%
2079 \fi
2080 % Reset right margin now
2081 \beamer@tempdim=\beamer@rightmargin%
2082 \advance\beamer@tempdim by\beamer@rightsidebar%
2083 \if@RTLmain
2084 \geometry{left=\the\beamer@tempdim}%
2085 \else
2086 \geometry{right=\the\beamer@tempdim}%
2087 \fi
2088 \fi%
2089 }
2090
2091 \newcommand*\bidi@beamer@Gm@lmargin}{%
2092 \if@RTLmain
2093 \Gm@rmargin
2094 \else
2095 \Gm@lmargin
2096 \fi
2097 }
2098
2099 \newcommand*\bidi@beamer@Gm@rmargin}{%
2100 \if@RTLmain
2101 \Gm@lmargin
2102 \else
2103 \Gm@rmargin
2104 \fi

```



```

2105 }
2106
2107 \def\ps@navigation{
2108   \def\@oddhead{%
2109     \begingroup%
2110     \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransi
2111     \beamer@tempdim=\ht\beamer@tempbox%
2112     \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
2113     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2114     \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2115     \beamer@tempdim=\ht\@tempboxa%
2116     \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
2117     \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2118     \vbox{\hbox{\hskip-\bidi@beamer@Gm@lmargin\box\beamer@tempbox\box\@tempboxa}%
2119     \hbox{%
2120       {%
2121         \setbox\beamer@tempbox=\hbox{\hskip-\bidi@beamer@Gm@lmargin%
2122         \ifRTLmain
2123           {%
2124             \vbox to \sidebarheight{%
2125               \usebeamertemplate***{sidebar left}%
2126               \vfil%
2127             }}%
2128             \ApplyPatchIfPackageLoadedF{beamerinnerthemeinmargin}{%
2129               \hskip-\textwidth
2130             }%
2131             \fi
2132             {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2133               \usebeamercolor*{sidebar left}%
2134               \usebeamertemplate{sidebar canvas left}%
2135               \vss%
2136             }}%
2137             \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2138             \box\beamer@tempbox}%
2139             \ifRTLmain
2140             \else
2141             {%
2142               \vbox to \sidebarheight{%
2143                 \usebeamertemplate***{sidebar left}%
2144                 \vfil%
2145               }}\fi}%
2146             \beamer@tempdim=\ht\beamer@tempbox%
2147             \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2148             \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2149             \box\beamer@tempbox%
2150           }%
2151           {% print right sidebar first, since it should be overwritten by headline
2152             \setbox\beamer@tempbox=\hbox{\hskip\textwidth\hskip\beamer@rightmargin%
2153             \ifRTLmain
2154               {%
2155                 \vbox to \sidebarheight{%
2156                   \usebeamertemplate***{sidebar right}%
2157                   \vfil%
2158                 }}%

```



```

2159         \hskip-\textwidth
2160         \fi
2161         {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2162             \usebeamercolor*{sidebar right}%
2163             \usebeamertemplate{sidebar canvas right}%
2164             \vss%
2165             }}%
2166         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2167         \box\beamer@tempbox}%
2168         \if@RTLmain
2169         \else
2170         {%
2171             \vbox to \sidebarheight{%
2172                 \usebeamertemplate***{sidebar right}%
2173                 \vfil%
2174             }}\fi}%
2175         \beamer@tempdim=\ht\beamer@tempbox%
2176         \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2177         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2178         \box\beamer@tempbox%
2179         }%
2180         \beamer@typesetheadorfoot{headline}%
2181         }%
2182         \hfil}%
2183     \endgroup}
2184 \def\@oddfoot{%
2185     \vbox{\offinterlineskip\hbox{\beamer@typesetheadorfoot{footline}%
2186         \hfil}\hbox{}}\hfil
2187     }%
2188     \let\@evenhead\@oddhead
2189     \let\@evenfoot\@oddfoot}
2190
2191 \AtBeginDocument{%
2192     \pagestyle{navigation}%
2193 }
2194
2195 \def\beamer@typesetheadorfoot#1{% typeset the head or footline
2196     {\parskip0pt\offinterlineskip%
2197         \hbox{%
2198             \hskip-\bidi@beamer@Gm@lmargin%
2199             \hbox{%
2200                 \vbox{%
2201                     \@tempdima=\textwidth%
2202                     \textwidth=\paperwidth%
2203                     \hsize=\textwidth%
2204                     \def\{,\}%
2205                     \usebeamertemplate***{#1}%
2206                 }}%
2207             \hskip-\bidi@beamer@Gm@rmargin%
2208         }}\hfil%
2209 }
2210
2211 \def\ps@empty{%
2212     \let\@mkboth\@gobbletwo%

```



```

2213 \def\@oddhead{\begingroup%
2214 \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransit
2215 \beamer@tempdim=\ht\beamer@tempbox%
2216 \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
2217 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2218 \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2219 \beamer@tempdim=\ht\@tempboxa%
2220 \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
2221 \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2222 \vbox{\hbox{\hskip-\Gm@lmargin\raise\headheight\box\beamer@tempbox\raise\headheight\box
2223 \endgroup%
2224 }
2225 \def\@oddfoot{{\normalcolor{\hfil%
2226 \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{navigation symbols}\hskip-\bidi@beam
2227 \ht\beamer@tempbox=0pt%
2228 \dp\beamer@tempbox=0pt%
2229 \box\beamer@tempbox}}}}
2230 \let\@evenhead\@oddhead\let\@evenfoot\@oddfoot}
2231
2232 \renewenvironment<>{beamer@columnenv}[2][\beamer@colmode]{%
2233 \beamer@colclose\def\beamer@colclose{}%
2234 \begin{actionenv}#3%
2235 \setkeys{beamer@col}{#1}%
2236 \begin{minipage}[\beamer@colalign]{#2}%
2237 \leavevmode\bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2238 {\end{minipage}\hfill\end{actionenv}\@ignoretrue}
2239 \let\endcolumn\endbeamer@columnenv
2240
2241 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
2242 \beamer@colclose%
2243 \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
2244 \begin{actionenv}#3%
2245 \setkeys{beamer@col}{#1}%
2246 \begin{minipage}[\beamer@colalign]{#2}%
2247 \leavevmode\bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2248
2249 \renewenvironment<>{columns}[1][]{%
2250 \begin{actionenv}#2%
2251 \ifbeamer@onlytextwidth
2252 \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
2253 \def\beamer@colexitcode{\unskip\egroup}
2254 \else%
2255 \def\beamer@colentrycode{%
2256 \hbox to\textwidth\bgroup%
2257 \leavevmode%
2258 \hskip-\beamer@leftmargin%
2259 \nobreak%
2260 \beamer@tempdim=\textwidth%
2261 \advance\beamer@tempdim by\beamer@leftmargin%
2262 \advance\beamer@tempdim by\beamer@rightmargin%
2263 \hbox to\beamer@tempdim\bgroup%
2264 \hbox{}\hfill\ignorespaces}%
2265 \def\beamer@colexitcode{\egroup%
2266 \nobreak%

```




```

2267     \hskip-\beamer@rightmargin\egroup}%
2268 \fi%
2269 \ifbeamer@centered\setkeys{beamer@col}{c}\else\setkeys{beamer@col}{t}\fi%
2270 \setkeys{beamer@col}{#1}%
2271 \par%
2272 \leavevmode
2273 \beamer@colentrycode%
2274 \def\beamer@colclose{}\ignorespaces}%
2275 {\beamer@colclose\def\beamer@colclose{}\beamer@colexitcode\end{actionenv}}%
2276
2277
2278 \def\@makeRTLfnfntext#1{%
2279 \def\insertfootnotetext{#1}%
2280 \def\insertfootnotemark{\@makefnmark}%
2281 \usebeamertemplate***{RTLfootnote}}
2282
2283 \def\@makeLTRfnfntext#1{%
2284 \def\insertfootnotetext{#1}%
2285 \def\insertfootnotemark{\@makefnmark}%
2286 \usebeamertemplate***{LTRfootnote}}
2287
2288 \renewcommand<>\beamer@framefootnotetext[1]{%
2289 \global\setbox\beamer@footins\vbox{%
2290 \ifRTL@footnote\RTLtrue\else\RTLfalse\fi%
2291 \hsize\framewidth
2292 \textwidth\hsize
2293 \columnwidth\hsize
2294 \unvbox\beamer@footins
2295 \reset@font
2296 \bidi@footnotetext@font
2297 \@parboxrestore
2298 \protected@edef\@currentlabel
2299 {\csname p@footnote\endcsname\@thefnmark}%
2300 \color@begingroup
2301 \uncover#2{\@makefnfntext{%
2302 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2303 \color@endgroup}}
2304
2305 \renewcommand<>\beamer@frameRTLfootnotetext[1]{%
2306 \global\setbox\beamer@footins\vbox{%
2307 \RTLtrue
2308 \hsize\framewidth
2309 \textwidth\hsize
2310 \columnwidth\hsize
2311 \unvbox\beamer@footins
2312 \reset@font
2313 \bidi@RTLfootnotetext@font
2314 \@parboxrestore
2315 \protected@edef\@currentlabel
2316 {\csname p@footnote\endcsname\@thefnmark}%
2317 \color@begingroup
2318 \uncover#2{\@makeRTLfnfntext{%
2319 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2320 \color@endgroup}}

```



```

2321
2322 \renewcommand<>\beamer@frameLTRfootnotetext [1]{%
2323   \global\setbox\beamer@footins\vbox{%
2324     \RTLfalse
2325     \hsize\framewidth
2326     \textwidth\hsize
2327     \columnwidth\hsize
2328     \unvbox\beamer@footins
2329     \reset@font
2330     \bidi@LTRfootnotetext@font
2331     \@parboxrestore
2332     \protected@edef\@currentlabel
2333       {\csname p@footnote\endcsname\@thefnmark}%
2334     \color@begingroup
2335       \uncover#2{\@makeLTRfntext{%
2336         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2337     \color@endgroup}}
2338
2339 \renewcommand<>\@mpfootnotetext [1]{%
2340 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnote
2341   \global\setbox\@mpfootins\vbox{%
2342     \unvbox\@mpfootins
2343     \ifRTL@footnote\RTLtrue\else\RTLfalse\fi
2344     \reset@font
2345     \bidi@footnotetext@font
2346     \hsize\columnwidth
2347     \@parboxrestore
2348     \protected@edef\@currentlabel
2349       {\csname p@mpfootnote\endcsname\@thefnmark}%
2350     \color@begingroup
2351       \uncover#2{\@makefntext{%
2352         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2353     \color@endgroup}}
2354
2355 \renewcommand<>\@mpRTLfootnotetext [1]{%
2356 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footno
2357   \global\setbox\@mpfootins\vbox{%
2358     \unvbox\@mpfootins
2359     \@RTLtrue
2360     \reset@font
2361     \bidi@RTLfootnotetext@font
2362     \hsize\columnwidth
2363     \@parboxrestore
2364     \protected@edef\@currentlabel
2365       {\csname p@mpfootnote\endcsname\@thefnmark}%
2366     \color@begingroup
2367       \uncover#2{\@makeRTLfntext{%
2368         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2369     \color@endgroup}}
2370
2371 \renewcommand<>\@mpLTRfootnotetext [1]{%
2372 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footno
2373   \global\setbox\@mpfootins\vbox{%
2374     \unvbox\@mpfootins

```



```

2375 \@RTLfalse
2376 \reset@font
2377 \bidi@LTRfootnotetext@font
2378 \hsize\columnwidth
2379 \@parboxrestore
2380 \protected@edef\@currentlabel
2381     {\csname p@mpfootnote\endcsname\@thefnmark}%
2382 \color@begingroup
2383     \uncover#2{\@makeLTRfntext{%
2384         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2385     \color@endgroup}}
2386
2387 \let\@footnotetext=\beamer@framefootnotetext
2388 \let\@RTLfootnotetext=\beamer@frameRTLfootnotetext
2389 \let\@LTRfootnotetext=\beamer@frameLTRfootnotetext
2390
2391 \footdir@temp\footdir@ORG@bidi@beamer@footnotetext\@footnotetext{\bidi@footdir@footnote}%
2392 \footdir@temp\footdir@ORG@bidi@beamer@RTLfootnotetext\@RTLfootnotetext{R}%
2393 \footdir@temp\footdir@ORG@bidi@beamer@LTRfootnotetext\@LTRfootnotetext{L}%
2394
2395 \renewcommand<>{\footnote}[1] [] {%
2396     \let\beamer@footnotetext=\@footnotetext%
2397     \let\beamer@mpfn=\@mpfn%
2398     \let\beamer@thempfn=\thempfn%
2399     \let\beamer@kvorig=KV@errx%
2400     \let\beamer@xkvorig=XKV@err
2401     \def\beamer@footarg{%
2402         \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2403         \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}}%
2404     \setkeys{beamerfootnote}{#1}%
2405     \let\KV@errx=\beamer@kvorig%
2406     \let\XKV@errx=\beamer@xkvorig
2407     \ifx\beamer@footarg\@empty%
2408         \def\beamer@next{\stepcounter\beamer@mpfn
2409             \protected@xdef\@thefnmark{\beamer@thempfn}%
2410             \@footnotemark\beamer@footnotetext#2}%
2411     \else%
2412         \def\beamer@next{%
2413             \begingroup
2414                 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2415                 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2416             \endgroup
2417             \@footnotemark\beamer@footnotetext#2}%
2418     \fi%
2419     \beamer@next}
2420
2421 \renewcommand<>{\RTLfootnote}[1] [] {%
2422     \let\beamer@RTLfootnotetext=\@RTLfootnotetext%
2423     \let\beamer@mpfn=\@mpfn%
2424     \let\beamer@thempfn=\thempfn%
2425     \let\beamer@kvorig=KV@errx%
2426     \let\beamer@xkvorig=XKV@err
2427     \def\beamer@footarg{%
2428         \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%

```



```

2429 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2430 \setkeys{beamerfootnote}{#1}%
2431 \let\KV@errx=\beamer@kvorig%
2432 \let\XKV@errx=\beamer@xkvorig
2433 \ifx\beamer@footarg\@empty%
2434   \def\beamer@next{\stepcounter\beamer@mpfn
2435     \protected@xdef\@thefnmark{\beamer@thempfn}%
2436     \@footnotemark\beamer@RTLfootnotetext#2}%
2437 \else%
2438   \def\beamer@next{%
2439     \begingroup
2440     \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2441     \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2442     \endgroup
2443     \@footnotemark\beamer@RTLfootnotetext#2}%
2444 \fi%
2445 \beamer@next}
2446
2447 \renewcommand<>{\LTRfootnote}[1][ ]{%
2448   \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2449   \let\beamer@mpfn=\@mpfn%
2450   \let\beamer@thempfn=\@thempfn%
2451   \let\beamer@kvorig=\KV@errx%
2452   \let\beamer@xkvorig=\XKV@err
2453   \def\beamer@footarg{}%
2454   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2455   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2456   \setkeys{beamerfootnote}{#1}%
2457   \let\KV@errx=\beamer@kvorig%
2458   \let\XKV@errx=\beamer@xkvorig
2459   \ifx\beamer@footarg\@empty%
2460     \def\beamer@next{\stepcounter\beamer@mpfn
2461       \protected@xdef\@thefnmark{\beamer@thempfn}%
2462       \@footnotemark\beamer@LTRfootnotetext#2}%
2463   \else%
2464     \def\beamer@next{%
2465       \begingroup
2466       \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2467       \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2468       \endgroup
2469       \@footnotemark\beamer@LTRfootnotetext#2}%
2470   \fi%
2471   \beamer@next}
2472
2473

```

20 File beamerbaseframesize-xetex-bidi.def

```

2474 \ProvidesFile{beamerbaseframesize-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beam
2475 \def\beamer@framezoom<#1><#2>[#3](#4,#5)(#6,#7){%
2476   \par\nointerlineskip%
2477   \global\beamer@slidehaszoomtrue%
2478   \advance\beamer@zoomcount by1\relax%
2479   \def\beamer@zoomborderwidth{0}%

```



```

2480 \edef\beamer@labelzoomed{beamer@labelzoomed@the\beamer@zoomframecount @the\beamer@zoom
2481 \setkeys{beamerzoom}{#3}%
2482 \only<#1>{%
2483   {\hypersetup{pdfhighlight={/P},pdfborder={0 0 \beamer@zoomborderwidth}}}%
2484   \global\setbox\@tempboxa=\vbox{\hyperlink{\beamer@labelzoomed}{%
2485     \expandafter\ifx\csname XeTeXrevision\endcsname\relax
2486       \vbox to #7{%
2487         \hbox to#6{\hfil}%
2488         \vfil%
2489       }%
2490     \else%
2491       \begingroup%
2492       \normalsize%
2493       \begin{pgfpicture}{0pt}{0pt}{#6}{#7}%
2494         \pgfsetfillopacity{0}
2495         \pgftext[x=0cm,y=3pt]{.}
2496         \pgftext[x=#6,y=\dimexpr#7-\baselineskip+3pt]{.}
2497       \end{pgfpicture}%
2498       \endgroup%
2499     \fi%
2500   }}%
2501   \ht\@tempboxa=0pt%
2502   \wd\@tempboxa=0pt%
2503   \dp\@tempboxa=0pt%
2504   \setbox\@tempboxa=\vbox{\if@RTL\moveleft\else\moveright\fi#4\hbox{\lower#5\vbox{\box\@t
2505   \ht\@tempboxa=0pt%
2506   \wd\@tempboxa=0pt%
2507   \dp\@tempboxa=0pt%
2508   \global\setbox\beamer@zoombox=\vbox to0pt{\unvbox\beamer@zoombox\box\@tempboxa}%
2509 }%
2510 \only<#2>{%
2511   \@ifundefined{\beamer@labelzoomed}%
2512   {%
2513     \hypertarget{\beamer@labelzoomed}{}%
2514     \expandafter\gdef\csname\beamer@labelzoomed\endcsname{%
2515     }-%
2516   \gdef\beamer@zoomer{%
2517     % compute zoom factor
2518     \@tempdima=\beamer@frametextheight%
2519     \@tempdimb=#7\relax%
2520     \@tempcnta=\@tempdimb%
2521     \divide\@tempcnta by4096\relax%
2522     \multiply\@tempdima by16\relax%
2523     \divide\@tempdima by\@tempcnta%
2524     \@tempdimb=\paperwidth%
2525     \ifbeamer@plainframe%
2526     \else%
2527       \advance\@tempdimb by-\beamer@leftsidebar%
2528       \advance\@tempdimb by-\beamer@rightsidebar\relax%
2529     \fi%
2530     \@tempdimc=#6\relax%
2531     \@tempcntb=\@tempdimc%
2532     \divide\@tempcntb by4096\relax%
2533     \multiply\@tempdimb by16\relax%

```



```

2534 \divide\@tempdimb by\@tempcntb%
2535 \ifdim\@tempdimb<\@tempdima%
2536 \@tempdima=\@tempdimb%
2537 \fi%
2538 \edef\beamer@temp{\strip@pt\@tempdima}%
2539 \@tempdimc=\beamer@frametextheight%
2540 \advance\@tempdimc by4pt%
2541 \@tempdimb=\paperwidth%
2542 \ifbeamer@plainframe%
2543 \else%
2544 \advance\@tempdimb by-\beamer@leftsidebar%
2545 \advance\@tempdimb by-\beamer@rightsidebar\relax%
2546 \fi%
2547 \setbox\@tempboxa=\vbox{\hsize=\@tempdimb\Acrobatmenu{GoBack}{\vbox to
2548 \beamer@frametextheight{\hbox to\@tempdimb{\hfil}\vfil}}}%
2549 \ht\@tempboxa=0pt%
2550 \wd\@tempboxa=0pt%
2551 \dp\@tempboxa=0pt%
2552 \setbox\beamer@framebox=\vbox to\beamer@frametextheight{%
2553 \ifbeamer@plainframe\beamer@leftmargin=\Gm\lmargin\fi%
2554 \ifRTL
2555 \begin{pgfpicture}{\paperwidth-\beamer@leftmargin}{-\beamer@frametextheight}{\pap
2556 \pgftext[right,top]{\box\@tempboxa}
2557 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2558 \pgfusepath{clip}
2559 \begingroup
2560 \pgftransformscale{\beamer@temp}
2561 \@tempdima=#4\relax%
2562 \@tempdimb=#5\relax%
2563 {\pgftransformshift{\pgfpoint{\@tempdima+#6}{\@tempdimb}}}%
2564 \pgftext[right,top]{\vbox{\vbox}\nointerlineskip\unvbox\beamer@framebox}}
2565 \endgroup
2566 \end{pgfpicture}%
2567 \else
2568 \begin{pgfpicture}{\beamer@leftmargin}{-\beamer@frametextheight}{\beamer@leftmarg
2569 \pgftext[left,top]{\box\@tempboxa}
2570 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2571 \pgfusepath{clip}
2572 \begingroup
2573 \pgftransformscale{\beamer@temp}
2574 \@tempdima=#4\relax%
2575 \@tempdimb=#5\relax%
2576 {\pgftransformshift{\pgfpoint{-\@tempdima}{\@tempdimb}}}%
2577 \pgftext[left,top]{\vbox{\vbox}\nointerlineskip\unvbox\beamer@framebox}}
2578 \endgroup
2579 \end{pgfpicture}%
2580 \fi
2581 }}%
2582 \setbox\beamer@framebox=\vbox{%
2583 \nobreak\vbox}\nobreak\par\nobreak\beamer@entrycode\nobreak%
2584 \nointerlineskip\unvbox\beamer@frametitlebox%
2585 \nobreak%
2586 \box\beamer@framebox%
2587 \nobreak%

```



```

2588     \vss%
2589     \beamer@exitcode%
2590   }%
2591   \global\setbox\beamer@footins=\box\voidb@x% no footnotes in zoomed slides
2592 }%
2593 }%
2594 }
2595
2596

```

21 File beamerbaselocalstructure-xetex-bidi.def

```

2597 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
2598 \def\beamer@enum@{%
2599   \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix
2600   \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2601   \bgroup
2602   \usebeamerfont[fg]{itemize/enumerate \beameritemnestingprefix body}%
2603   \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2604   \egroup
2605   \expandafter
2606     \list
2607     {\usebeamertemplate{\beamer@enumtempl}}
2608     {\usecounter\@enumctr%
2609       \def\makelabel##1{\hss\llap{%
2610         \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2611         \usebeamerfont[fg]{enumerate \beameritemnestingprefix item}##1}}}%
2612   \beamer@cramped%
2613   \bidi@beamer@ragged%
2614   \beamer@firstlineitemizeunskip%
2615 }
2616
2617 \renewcommand{\itemize}[1][ ]{%
2618   \ifblank{#1}{\def\beamer@defaultospec{#1}}%
2619   \ifnum \@itemdepth >2\relax\@toodeep\else
2620     \advance\@itemdepth\@ne
2621     \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix
2622     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2623     \bgroup
2624     \usebeamerfont[fg]{itemize/enumerate \beameritemnestingprefix body}%
2625     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2626     \egroup
2627     \list
2628     {\usebeamertemplate{itemize \beameritemnestingprefix item}}
2629     {\def\makelabel##1{%
2630       {%
2631         \hss\llap{%
2632           \usebeamerfont*{itemize \beameritemnestingprefix item}%
2633           \usebeamerfont[fg]{itemize \beameritemnestingprefix item}##1}}}%
2634       }%
2635     }%
2636   }
2637   \fi%
2638   \beamer@cramped%

```



```

2639 \bidi@beamer@ragged%
2640 \beamer@firstlineitemizeunskip%
2641 }
2642
2643 \def\@description{%
2644 \advance\beamer@descdefault by \labelsep%
2645 \usebeamerfont{description body}%
2646 \bgroup
2647 \usebeamercolor[fg]{description body}%
2648 \usebeamerfont{description body begin}%
2649 \egroup
2650 \list
2651 {}
2652 {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descri
2653 \beamer@cramped%
2654 \bidi@beamer@ragged
2655 \beamer@firstlineitemizeunskip%
2656 }
2657
2658 \renewenvironment{thebibliography}[1]
2659 {%\leavevmode\unskip%
2660 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
2661 \bidi@thebibliography@font@hook%
2662 \list{\@biblabel{\@arabic\c@enumiv}}%
2663     {\settowidth\labelwidth\beamer@biblabeltemplate{\@biblabel{#1}}}%
2664     \leftmargin\labelwidth
2665     \advance\leftmargin\labelsep
2666     \itemsep=0pt%
2667     \partopsep=0pt%
2668     \topsep=0pt%
2669     \usecounter{enumiv}%
2670     \let\p@enumiv\@empty
2671     \renewcommand\theenumiv{\@arabic\c@enumiv}
2672     \let\makelabel\beamer@biblabeltemplate}%
2673     \sloppy\bidi@beamer@ragged
2674     \clubpenalty10000
2675     \@clubpenalty \clubpenalty
2676     \widowpenalty10000%
2677     \sfcode`. \@m}
2678 {\def\@noitemerr
2679     {\@latex@warning{Empty `thebibliography' environment}}%
2680     \ifhmode\unskip\fi\endlist}
2681
2682

```

22 File beamerbasemisc-xetex-bidi.def

```

2683 \ProvidesFile{beamerbasemisc-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamerbas
2684 \define@key{beamerst}{width}{%
2685 \def\beamer@ststart{%
2686 \begin{minipage}[t]{#1}%
2687 \bidi@beamer@ragged
2688 \beamer@stalign
2689 \beamer@stlinebreakrule

```




```

2690 }%
2691 \def\beamer@stend{\end{minipage}}
2692
2693

```

23 File beamerbasenavigation-xetex-bidi.def

```

2694 \ProvidesFile{beamerbasenavigation-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for bea
2695 \def\slideentry#1#2#3#4#5#6{%
2696 %section number, subsection number, slide number, first/last frame, page number, part num
2697 \ifnum#6=\c@part\ifnum#1>0\ifnum#3>0%
2698 \ifbeamer@compress%
2699 \advance\beamer@xpos by1\relax%
2700 \else%
2701 \ifnum#2=0%
2702 \beamer@ypos@offset=1\relax%
2703 \fi
2704 \beamer@xpos=#3\relax%
2705 \beamer@ypos=#2\relax%
2706 \advance\beamer@ypos by \beamer@ypos@offset\relax
2707 \fi%
2708 \hbox to 0pt{%
2709 \beamer@tempdim=-\beamer@vboxoffset%
2710 \advance\beamer@tempdim by-\beamer@boxsize%
2711 \multiply\beamer@tempdim by\beamer@ypos%
2712 \advance\beamer@tempdim by -.05cm%
2713 \raise\beamer@tempdim\hbox{%
2714 \beamer@tempdim=\beamer@boxsize%
2715 \multiply\beamer@tempdim by\beamer@xpos%
2716 \advance\beamer@tempdim by -\beamer@boxsize%
2717 \advance\beamer@tempdim by 1pt%
2718 \kern\beamer@tempdim
2719 \global\beamer@section@min@dim\beamer@tempdim
2720 \hbox{\beamer@link(#4){%
2721 \usebeamerfont{mini frame}%
2722 \ifnum\c@section=#1%
2723 \ifnum\c@subsection=#2%
2724 \usebeamercolor[fg]{mini frame}%
2725 \ifnum\c@subsectionslide=#3%
2726 \usebeamertemplate{mini frame}%\beamer@minislidehighlight%
2727 \else%
2728 \usebeamertemplate{mini frame in current subsection}%\beamer@minisliderowhi
2729 \fi%
2730 \else%
2731 \usebeamercolor{mini frame}%
2732 %\color{fg!50!bg}%
2733 \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2734 \fi%
2735 \else%
2736 \usebeamercolor{mini frame}%
2737 %\color{fg!50!bg}%
2738 \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2739 \fi%
2740 }}}\hskip-10cm plus 1fil%

```



```

2741 } \fi \fi %
2742 \else %
2743 \fakeslideentry{#1}{#2}{#3}{#4}{#5}{#6}%
2744 \fi \ignorespaces
2745 }
2746
2747 \pgfdefobject{bidi@beamer@RTL@gotosymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2748 {
2749   \pgfpathmoveto{3.5bp}{0.5bp}
2750   \pgfpathqlineto{1.5bp}{2bp}
2751   \pgfpathqlineto{3.5bp}{3.5bp}
2752   \pgfusepathqfill
2753 }
2754
2755 \def\insertgotosymbol{%
2756 \if@RTL
2757   \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2758     \pgfuseobject{bidi@beamer@RTL@gotosymbol}%
2759   \end{pgfpicture}%
2760 \else
2761   \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2762     \pgfuseobject{beamergotosymbol}%
2763   \end{pgfpicture}%
2764 \fi
2765 }
2766
2767 \pgfdefobject{bidi@beamer@RTL@skipsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{7pt}{5pt}}
2768 {
2769   \pgfpathmoveto{5.5bp}{0.5bp}
2770   \pgfpathqlineto{3.5bp}{2bp}
2771   \pgfpathqlineto{5.5bp}{3.5bp}
2772   \pgfpathmoveto{3.5bp}{0.5bp}
2773   \pgfpathqlineto{1.5bp}{2bp}
2774   \pgfpathqlineto{3.5bp}{3.5bp}
2775   \pgfusepathqfill
2776 }
2777
2778 \def\insertskipsymbol{%
2779 \if@RTL
2780   \begin{pgfpicture}{-1pt}{0pt}{6pt}{5pt}
2781     \pgfuseobject{bidi@beamer@RTL@skipsymbol}%
2782   \end{pgfpicture}%
2783 \else
2784   \begin{pgfpicture}{1pt}{0pt}{8pt}{5pt}
2785     \pgfuseobject{beamerskipsymbol}%
2786   \end{pgfpicture}%
2787 \fi
2788 }
2789
2790 \pgfdefobject{bidi@beamer@RTL@returnsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2791 {
2792   \pgfpathmoveto{1.5bp}{0.5bp}
2793   \pgfpathqlineto{3.5bp}{2bp}
2794   \pgfpathqlineto{1.5bp}{3.5bp}

```



```

2795 \pgfusepathqfill
2796 }
2797
2798 \def\insertreturnsymbol{%
2799 \if@RTL
2800 \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2801 \pgfuseobject{bidi@beamer@RTL@returnsymbol}%
2802 \end{pgfpicture}%
2803 \else
2804 \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2805 \pgfuseobject{beamerreturnsymbol}%
2806 \end{pgfpicture}%
2807 \fi
2808 }
2809
2810

```

24 File beamerbaseoverlay-xetex-bidi.def

```

2811 \ProvidesFile{beamerbaseoverlay-xetex-bidi.def}[2022/06/10 v0.1 bidi adaptations for beamer]
2812 \renewcommand<>{\color}{\alt#1{beameroriginal{color}}{beamer@gobbleoptionalinsp}}
2813
2814

```

25 File beamerinnerthemedefault-xetex-bidi.def

```

2815 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/27 v0.6 bidi adaptations for beamer]
2816 \newcommand*{\bidi@beamer@leftskip}{%
2817 \if@RTL
2818 \rightskip
2819 \else
2820 \leftskip
2821 \fi
2822 }
2823
2824 \newcommand*{\bidi@beamer@rightskip}{%
2825 \if@RTL
2826 \leftskip
2827 \else
2828 \rightskip
2829 \fi
2830 }
2831
2832 \bidi@csundef{beamer@tmpop@subsection in toc@default}
2833
2834 \bidi@csundef{beamer@tmpop@subsubsection in toc@default}
2835
2836 \defbeamertemplate*{subsection in toc}{default}
2837 {\leavevmode\bidi@beamer@leftskip=1.5em\inserttocsubsection\par}
2838
2839 \defbeamertemplate*{subsubsection in toc}{default}
2840 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3em%
2841 \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2842

```



```

2843 \newcommand*\bidi@beamer@blacktriangle}{%
2844   \ifRTL
2845     $\blacktriangleleft$%
2846   \else
2847     $\blacktriangleright$%
2848   \fi
2849 }
2850
2851 \bidi@csundef{beamer@@tmpop@itemize item@default}
2852
2853 \bidi@csundef{beamer@@tmpop@itemize subitem@default}
2854
2855 \bidi@csundef{beamer@@tmpop@itemize subsubitem@default}
2856
2857 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{\
2858 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\h
2859 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1
2860
2861 \bidi@undef\beamer@@tmpop@footnote@default
2862
2863 \defbeamertemplate*{footnote}{default}
2864 {
2865   \parindent 1em\noindent%
2866   \bidi@beamer@ragged
2867   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2868 }
2869
2870 \defbeamertemplate*{RTLfootnote}{default}
2871 {
2872   \parindent 1em\noindent%
2873   \raggedleft
2874   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2875 }
2876
2877 \defbeamertemplate*{LTRfootnote}{default}
2878 {
2879   \parindent 1em\noindent%
2880   \raggedright
2881   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2882 }
2883
2884 \bidi@undef\beamer@@tmpop@caption@default
2885
2886 \defbeamertemplate*{caption}{default}
2887 {%
2888   \bidi@beamer@ragged
2889   {%
2890     \leavevmode
2891     \usebeamerfont[fg]{caption name}%
2892     \usebeamerfont*{caption name}%
2893     \insertcaptionname
2894     \usebeamertemplate{caption label separator}%
2895   }%
2896   \insertcaption\par

```



```

2897 }
2898
2899 \bidi@csundef{beamer@@tmpop@block begin@default}
2900
2901 \bidi@csundef{beamer@@tmpop@block alerted begin@default}
2902
2903 \bidi@csundef{beamer@@tmpop@block example begin@default}
2904
2905 \defbeamertemplate*{block begin}{default}
2906 {
2907   \par\vskip\medskipamount%
2908   \begin{beamercolorbox}[colsep*=.75ex]{block title}
2909     \usebeamerfont*{block title}\insertblocktitle%
2910   \end{beamercolorbox}%
2911   {\parskip0pt\par}%
2912   \ifbeamercoloreempty[bg]{block title}
2913   {}
2914   {\ifbeamercoloreempty[bg]{block body}{}\{\nointerlineskip\vskip-0.5pt}\}%
2915   \usebeamerfont{block body}%
2916   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body}%
2917     \ifbeamercoloreempty[bg]{block body}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\base}
2918 }
2919
2920 \defbeamertemplate*{block alerted begin}{default}
2921 {
2922   \par\vskip\medskipamount%
2923   \begin{beamercolorbox}[colsep*=.75ex]{block title alerted}
2924     \usebeamerfont*{block title alerted}\insertblocktitle%
2925   \end{beamercolorbox}%
2926   {\parskip0pt\par}%
2927   \ifbeamercoloreempty[bg]{block title alerted}
2928   {}
2929   {\ifbeamercoloreempty[bg]{block body alerted}{}\{\nointerlineskip\vskip-0.5pt}\}%
2930   \usebeamerfont{block body alerted}%
2931   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body alerted}%
2932     \ifbeamercoloreempty[bg]{block body alerted}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75}
2933 }
2934
2935 \defbeamertemplate*{block example begin}{default}
2936 {
2937   \par\vskip\medskipamount%
2938   \begin{beamercolorbox}[colsep*=.75ex]{block title example}
2939     \usebeamerfont*{block title example}\insertblocktitle%
2940   \end{beamercolorbox}%
2941   {\parskip0pt\par}%
2942   \ifbeamercoloreempty[bg]{block title example}
2943   {}
2944   {\ifbeamercoloreempty[bg]{block body example}{}\{\nointerlineskip\vskip-0.5pt}\}%
2945   \usebeamerfont{block body example}%
2946   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body example}%
2947     \ifbeamercoloreempty[bg]{block body example}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75}
2948 }
2949
2950 \bidi@csundef{beamer@@tmpop@abstract begin@default}

```



```

2951
2952 \defbeamertemplate*{abstract begin}{default}
2953 {\beamercolorbox[vmode]{abstract}\bidi@beamer@leftskip2em\bidi@beamer@rightskip2em plus 1fi
2954
2955 \bidi@undef\beamer@@tmpop@button@default
2956
2957 \defbeamertemplate*{button}{default}
2958 {%
2959   \setbox\beamer@tempbox=\hbox{\insertbuttontext}}%
2960   \ht\beamer@tempbox=6pt%
2961   \dp\beamer@tempbox=0pt%
2962   \setbox\beamer@tempbox=\vbox{\box\beamer@tempbox\vskip2pt}%
2963   \beamer@tempdim=\wd\beamer@tempbox%
2964   \beamer@dima=\beamer@tempdim\advance\beamer@dima by2.2pt
2965   \beamer@dimb=\beamer@tempdim\advance\beamer@dimb by4pt
2966   \if@RTL
2967     \kern4pt%
2968     \box\beamer@tempbox%
2969     \hskip-\beamer@tempdim%
2970   \fi
2971   \begin{pgfpicture}{-4pt}{0pt}{\the\beamer@tempdim}{8pt}
2972     \color{bg}
2973     \pgfsetlinewidth{0.8pt}
2974     \pgfpathqmoveto{0pt}{0pt}
2975     \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2976     \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2977     \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2978     \pgfpathcurveto%
2979     {\pgfpoint{\the\beamer@dima}{8pt}}%
2980     {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2981     {\pgfpoint{\the\beamer@dimb}{4pt}}
2982     \pgfpathcurveto%
2983     {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2984     {\pgfpoint{\the\beamer@dima}{0pt}}%
2985     {\pgfpoint{\the\beamer@tempdim}{0pt}}
2986     \pgfpathclose
2987     \pgfusepathqfill
2988     \colorlet{bg}{parent.bg}
2989     \usebeamercolor{fg}{button border}
2990     \pgfpathqmoveto{0pt}{0pt}
2991     \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2992     \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2993     \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2994     \pgfpathcurveto%
2995     {\pgfpoint{\the\beamer@dima}{8pt}}%
2996     {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2997     {\pgfpoint{\the\beamer@dimb}{4pt}}
2998     \pgfpathcurveto%
2999     {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
3000     {\pgfpoint{\the\beamer@dima}{0pt}}%
3001     {\pgfpoint{\the\beamer@tempdim}{0pt}}
3002     \pgfpathclose
3003     \pgfusepathqstroke
3004   \end{pgfpicture}%

```



```

3005 \if@RTL
3006 \else
3007   \hskip-\beamer@tempdim%
3008   \box\beamer@tempbox%
3009   \kern4pt%
3010 \fi
3011 }
3012
3013

```

26 File beamerinnerthemecircles-xetex-bidi.def

```

3014 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for
3015 \setbeamertemplate{sections/subsections in toc}[circle]
3016

```

27 File beamerinnerthemefocus-xetex-bidi.def

```

3017 \ProvidesFile{beamerinnerthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for be
3018 \setbeamertemplate{section in toc}[square]
3019 \setbeamertemplate{subsection in toc}[square]
3020
3021 \setbeamertemplate{itemize items}[square]
3022 \setbeamertemplate{itemize subitem}[triangle]
3023
3024 \bidi@csundef{beamer@@tmpop@title page@focus}
3025
3026 \defbeamertemplate*{title page}{focus}{%
3027   {%
3028     \usebeamercolor{frametitle}\colorlet{focus@temp}{bg}%
3029     \begin{tikzpicture}[overlay, remember picture]
3030       \fill[color=focus@temp] (current page.north west) rectangle ([shift = {(0, -0.
3031     \end{tikzpicture}
3032   }
3033
3034   \vspace{-1.65\baselineskip}
3035   \begin{minipage}[b] [0.35\paperheight]{\textwidth}
3036     \vspace{\baselineskip}
3037     \usebeamerfont{title}
3038     \usebeamercolor[fg]{frametitle}
3039     \inserttitle
3040   \end{minipage}
3041
3042   \begin{minipage}[t] [0.1\paperheight]{\textwidth}
3043     \usebeamerfont{subtitle}
3044     \usebeamercolor[fg]{frametitle}
3045     \insertsubtitle
3046   \end{minipage}
3047
3048   % Set the title graphic in a zero-height box, so that
3049   % the position of other elements is not affected.
3050   {\vfuzz=9999pt\vbox to 0pt {
3051     \if@RTL
3052     \raggedright

```



```

3053     \else
3054     \raggedleft
3055     \fi
3056     \inserttitlegraphic
3057   }}
3058
3059   \begin{minipage}[t]{\textwidth}
3060     \usebeamerfont{author}
3061     \insertauthor
3062   \end{minipage}
3063
3064   \vspace*{\baselineskip}
3065   \begin{minipage}[t]{\textwidth}
3066     \usebeamerfont{institute}
3067     \insertinstitute
3068   \end{minipage}
3069
3070   \vspace*{\baselineskip}
3071   \begin{minipage}[t]{\textwidth}
3072     \usebeamerfont{date}
3073     \insertdate
3074   \end{minipage}
3075
3076   \vspace*{0pt plus 100fill}
3077
3078   \addtocounter{framenumbers}{-1}
3079   \addtocounter{realframenumbers}{-1}
3080 }
3081
3082
3083

```

28 File beamerinnerthemeinmargin-xetex-bidi.def

```

3084 \ProvidesFile{beamerinnerthemeinmargin-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for
3085 \AtBeginDocument{%
3086   \setbeamsize{sidebar width left=.25\paperwidth}%
3087 }
3088
3089 \bidi@csundef{beamer@@tmpop@section in toc@inmargin}
3090
3091 \bidi@csundef{beamer@@tmpop@title page@inmargin}
3092
3093 \bidi@csundef{beamer@@tmpop@block begin@inmargin}
3094
3095 \bidi@csundef{beamer@@tmpop@block end@inmargin}
3096
3097 \bidi@csundef{beamer@@tmpop@block alerted begin@inmargin}
3098
3099 \bidi@csundef{beamer@@tmpop@block alerted end@inmargin}
3100
3101 \bidi@csundef{beamer@@tmpop@block example begin@inmargin}
3102
3103 \bidi@csundef{beamer@@tmpop@block example end@inmargin}

```




```

3104
3105 \defbeamertemplate*{section in toc}{inmargin}
3106 {\leavevmode
3107   \beamer@putleft{\usebeamercolor[fg]{section in toc}\inserttocsection}\strut}{2.5ex}}
3108
3109 \defbeamertemplate*{title page}{inmargin}
3110 {
3111   \begin{block}{\inserttitleindicator}
3112     \bgroup\usebeamercolor[fg]{title}\usebeamerfont{title}\inserttitle\egroup\par
3113     \usebeamercolor[fg]{subtitle}\usebeamerfont{subtitle}\insertsubtitle
3114   \end{block}
3115   \vfill
3116   \ifx\insertauthor\@empty
3117     \else
3118     \begin{block}{\insertauthorindicator}
3119       \bgroup\usebeamercolor[fg]{author}\usebeamerfont{author}\insertauthor\egroup\par
3120     \end{block}
3121     \fi
3122     \ifx\insertinstitute\@empty
3123     \else
3124     \begin{block}{\insertinstituteindicator}
3125       \bgroup\usebeamercolor[fg]{institute}\usebeamerfont{institute}\insertinstitute\egroup\par
3126     \end{block}
3127     \fi
3128     \ifx\insertdate\@empty
3129     \else
3130     \begin{block}{\insertdateindicator}
3131       \bgroup\usebeamercolor[fg]{date}\usebeamerfont{date}\insertdate\egroup\par
3132     \end{block}
3133     \fi
3134   }
3135
3136 \defbeamertemplate*{block begin}{inmargin}
3137 {
3138   \par\vskip\medskipamount%
3139   \leavevmode%
3140   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title}\usebeamerfont*{block title}}\par}
3141   \beginL\beamer@putright
3142   %\usebeamercolor[fg]{block body}% to be done!
3143 }
3144
3145 \defbeamertemplate*{block end}{inmargin}
3146 {\endbeamer@putright\endL\vskip\smallskipamount}
3147
3148 \defbeamertemplate*{block alerted begin}{inmargin}
3149 {
3150   \par\vskip\medskipamount%
3151   \leavevmode%
3152   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title alerted}\usebeamerfont*{block title alerted}}\par}
3153   \beginL\beamer@putright
3154   %\usebeamercolor[fg]{block body alerted}% to be done!
3155 }
3156
3157 \defbeamertemplate*{block alerted end}{inmargin}

```



```

3158 {\endbeamer@putright\endL\vskip\smallskipamount}
3159
3160 \defbeamertemplate*{block example begin}{inmargin}
3161 {
3162   \par\vskip\medskipamount%
3163   \leavevmode%
3164   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title example}\usebeamerfont*{block
3165   \beginL\beamer@putright
3166   %\usebeamercolor[fg]{block body example}% to be done
3167 }
3168
3169 \defbeamertemplate*{block example end}{inmargin}
3170 {\endbeamer@putright\endL\vskip\smallskipamount}
3171
3172 \bidi@AfterFile{beamerinnerthememetropolis-xetex-bidi.def}{%
3173   \setbeamertemplate{section in toc}[inmargin]%
3174   \setbeamertemplate{subsection in toc}[inmargin]%
3175   \setbeamertemplate{subsubsection in toc}[inmargin]%
3176 }
3177
3178

```

29 File beamerinnerthememetropolis-xetex-bidi.def

```

3179 \ProvidesFile{beamerinnerthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations f
3180 \setbeamertemplate{title}{
3181   \bidi@beamer@ragged%
3182   \linespread{1.0}%
3183   \inserttitle%
3184   \par%
3185   \vspace*{0.5em}
3186 }
3187
3188 \setbeamertemplate{subtitle}{
3189   \bidi@beamer@ragged%
3190   \insertsubtitle%
3191   \par%
3192   \vspace*{0.5em}
3193 }
3194
3195 \bidi@csundef{beamer@@tmpop@section page@progressbar}
3196
3197 \defbeamertemplate{section page}{progressbar}{
3198   \centering
3199   \begin{minipage}{22em}
3200     \bidi@beamer@ragged
3201     \usebeamercolor[fg]{section title}
3202     \usebeamerfont{section title}
3203     \insertsectionhead\[-1ex]
3204     \usebeamertemplate*{progress bar in section page}
3205     \par
3206     \ifx\insertsubsectionhead\@empty\else%
3207       \usebeamercolor[fg]{subsection title}%
3208       \usebeamerfont{subsection title}%

```



```

3209     \insertsubsectionhead
3210     \fi
3211 \end{minipage}
3212 \par
3213 \vspace{\baselineskip}
3214 }
3215
3216 \setbeamertemplate{progress bar in section page}{
3217   \setlength{\metropolis@progressonsectionpage}{%
3218     \textwidth * \ratio{\insertframenum pt}{\inserttotalframenum pt}}%
3219   }%
3220   \begin{tikzpicture}
3221     \fill[bg] (0,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3222 \if@RTLmain
3223   \fill[fg] (\textwidth-\metropolis@progressonsectionpage,0) rectangle (\textwidth, \metr
3224 \else
3225   \fill[fg] (0,0) rectangle (\metropolis@progressonsectionpage, \metropolis@progressonse
3226 \fi
3227   \end{tikzpicture}%
3228 }
3229
3230 \renewcommand{\metropolis@block}[1]{
3231   \par\vskip\medskipamount%
3232   \setlength{\parskip}{0pt}
3233   \ifbeamercoloreempty[bg]{block title#1}{%
3234     \if@RTL
3235       \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3236     \else
3237       \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3238     \fi
3239   }{%
3240   \ifbeamercoloreempty[bg]{block title}{%
3241     \if@RTL
3242       \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3243     \else
3244       \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3245     \fi
3246   }%
3247   {%
3248   \if@RTL
3249     \begin{beamercolorbox}[
3250       sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3251       rightskip=\metropolis@blockadjust,
3252       leftskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3253     ]{block title#1}%
3254   \else
3255     \begin{beamercolorbox}[
3256       sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3257       leftskip=\metropolis@blockadjust,
3258       rightskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3259     ]{block title#1}%
3260   \fi
3261   }}%
3262     \usebeamerfont*{block title#1}%

```



```

3263     \metropolis@strut%
3264     \insertblocktitle%
3265     \metropolis@strut%
3266 \end{beamercolorbox}%
3267 \nointerlineskip%
3268 \ifbeamercoloreempty[bg]{block body#1}{%
3269     \begin{beamercolorbox}[vmode]{block body#1}}{
3270 \ifbeamercoloreempty[bg]{block body}{%
3271     \begin{beamercolorbox}[vmode]{block body#1}%
3272 }{%
3273     \begin{beamercolorbox}[sep=\metropolis@blocksep, vmode]{block body#1}%
3274     \vspace{-\metropolis@parskip}
3275 }}%
3276     \usebeamerfont{block body#1}%
3277     \setlength{\parskip}{\metropolis@parskip}%
3278 }
3279
3280
3281 \setbeamertemplate{footnote}{%
3282     \parindent 0em\noindent%
3283     \bidi@beamer@ragged
3284     \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3285 }
3286
3287 \setbeamertemplate{RTLfootnote}{%
3288     \parindent 0em\noindent%
3289     \raggedleft
3290     \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3291 }
3292
3293 \setbeamertemplate{LTRfootnote}{%
3294     \parindent 0em\noindent%
3295     \raggedright
3296     \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3297 }
3298
3299 \setbeamertemplate{itemize items}{\textbullet}
3300
3301 \setbeamertemplate{section page}[progressbar]
3302
3303

```

30 File beamerinnerthemerectangles-xetex-bidi.def

```

3304 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations f
3305 \setbeamertemplate{sections/subsections in toc}[square]
3306 \setbeamertemplate{items}[square]
3307

```

31 File beamerinnerthemrounded-xetex-bidi.def

```

3308 \ProvidesFile{beamerinnerthemrounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for
3309 \setbeamertemplate{blocks}[rounded][shadow=\beamer@themrounded@shadow]
3310 \setbeamertemplate{items}[ball]

```



```

3311 \setbeamertemplate{sections/subsections in toc}[ball]
3312

```

32 File beamerouterthemedefault-xetex-bidi.def

```

3313 \ProvidesFile{beamerouterthemedefault-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for
3314 \def\beamer@fteleft{\if@RTLmain\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by 1.7cm}
3315
3316 \def\beamer@fteright{\if@RTLmain\else\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by 1.7cm}
3317
3318 \AtBeginDocument{%
3319   \if@RTLmain
3320     \setbeamertemplate{frametitle}[default] [right]
3321   \fi
3322 }
3323
3324 \bidi@csundef{beamer@@tmpop@note page@default}
3325
3326 \newcommand*{\bidi@beamer@today}{%
3327 \the\year-\ifnum\month<10\relax0\fi\the\month-\ifnum\day<10\relax0\fi\the\day}
3328
3329 \defbeamer*{note page}{default}
3330 {%
3331   {%
3332     \scriptsize
3333     \usebeamerfont{note title}\usebeamercolor[fg]{note title}%
3334     \ifbeamercolorempy[bg]{note title}{-}{%
3335       \insertvrule{.25\paperheight}{note title.bg}%
3336       \vskip-.25\paperheight%
3337       \nointerlineskip%
3338     }%
3339     \vbox{
3340       \hfill\insertslideintonotes{0.25}\hskip-\Gm@rmargin\hskip0pt%
3341       \vskip-0.25\paperheight%
3342       \nointerlineskip
3343       \if@RTL
3344         \begin{pgfpicture}{-\textwidth}{0cm}{-\textwidth}{0cm}
3345           \begin{pgflowlevelslope}{\pgftransformrotate{-90}}
3346             {\pgftransformshift{\pgfpoint{2cm}{0.2cm}}%
3347             \pgftext [base, right]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3348           \end{pgflowlevelslope}
3349         \end{pgfpicture}%
3350       \else
3351         \begin{pgfpicture}{0cm}{0cm}{0cm}{0cm}
3352           \begin{pgflowlevelslope}{\pgftransformrotate{90}}
3353             {\pgftransformshift{\pgfpoint{-2cm}{0.2cm}}%
3354             \pgftext [base, left]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3355           \end{pgflowlevelslope}
3356         \end{pgfpicture}%
3357       \fi}
3358     \nointerlineskip
3359     \vbox to .25\paperheight{\vskip0.5em
3360     \if@RTL
3361       \moveright0.25\textwidth

```



```

3362 \fi
3363 \hbox{\insertshorttitle[width=0.75\textwidth]}%
3364 \setbox\beamer@tempbox=\hbox{\insertsection}%
3365
3366 \if@RTL
3367 \moveright\dimexpr0.29\textwidth-14pt\relax
3368 \fi
3369 \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip4pt\raise3pt\hbox{\vrule
3370 width0.4pt height7pt\vrule width 9pt
3371 height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}
3372 \if@RTL\endR\fi}%
3373 \setbox\beamer@tempbox=\hbox{\insertsubsection}%
3374
3375 \if@RTL
3376 \moveright\dimexpr0.29\textwidth-27.4pt\relax
3377 \fi \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip17.4pt\raise3pt\hbox{\vrule
3378 width0.4pt height7pt\vrule width 9pt
3379 height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}
3380 \if@RTL\endR\fi}%
3381 \setbox\beamer@tempbox=\hbox{\insertshortframetitle}%
3382
3383 \if@RTL
3384 \moveright\dimexpr0.33\textwidth-40.8pt\relax
3385 \fi \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip30.8pt\raise3pt\hbox{\vrule
3386 width0.4pt height7pt\vrule width 9pt
3387 height0.4pt}}\hskip1pt\hbox{\insertshortframetitle[width=0.67\textwidth]}\fi%
3388 \if@RTL\endR\fi}%
3389 \vfil}%
3390 }%
3391 \ifbeamercoloreempty[bg]{note page}{-}{%
3392 \nointerlineskip%
3393 \insertvrule{.75\paperheight}{note page.bg}%
3394 \vskip-.75\paperheight%
3395 }%
3396 \vskip.25em
3397 \nointerlineskip
3398 \insertnote
3399 }
3400
3401
3402

```

33 File beamerouterthemefocus-xetex-bidi.def

```

3403 \ProvidesFile{beamerouterthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for be
3404 \bidi@undef\beamer@tmpop@footline@progressbar
3405
3406 \defbeamertemplate*{footline}{progressbar}{%
3407 % If not appendix.
3408 \ifnum\mainend<0% From package appendixnumberbeamer.
3409 %
3410 \settowidth{\focus@pbar@leftoffset}{1}%
3411 \addtolength{\focus@pbar@leftoffset}{1.5em}%
3412 %

```



```

3413 \ifx\beamer@focus@totalframenumbering\no%
3414 \settowidth{\focus@pbar@rightoffset}{}%
3415 \addtolength{\focus@pbar@rightoffset}{0.5em}%
3416 \else%
3417 \settowidth{\focus@pbar@rightoffset}{\inserttotalframenumber}%
3418 \addtolength{\focus@pbar@rightoffset}{1.5em}%
3419 \fi%
3420 %
3421 % If not title page.
3422 \ifnum\value{realframenumber}>0%
3423 \ifnum\value{framenumber}<\inserttotalframenumber%
3424 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]\usebeamerfont{footline}
3425 \pgfmathsetmacro{\focus@pbar@progress}%
3426 {(\paperwidth-\focus@pbar@leftoffset-\focus@pbar@rightoffset)*(\inserttotalframenumber-\value{framenumber})/\focus@pbar@width}
3427
3428 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3429 \if@RTLmain
3430 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@leftoffset,\the\focus@pbar@height);
3431 \fill[footline.bg] (\paperwidth-\the\focus@pbar@leftoffset,0) rectangle ++(\the\focus@pbar@leftoffset,\the\focus@pbar@height);
3432 \node[anchor=west, footline.fg] at ({\paperwidth-\the\focus@pbar@leftoffset},0) {\focus@pbar@text};
3433 \else
3434 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@leftoffset,\the\focus@pbar@height);
3435 \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pbar@width,\the\focus@pbar@height);
3436 \node[anchor=east, footline.fg] at ({\the\focus@pbar@leftoffset},\the\focus@pbar@height) {\focus@pbar@text};
3437 \fi
3438 \ifx\beamer@focus@totalframenumbering\no%
3439 \else%
3440 \if@RTLmain
3441 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@rightoffset,\the\focus@pbar@height);
3442 \node[anchor=west, footline.fg] at (0,\the\focus@pbar@height) {\focus@pbar@text};
3443 \else
3444 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@rightoffset,\the\focus@pbar@height);
3445 \node[anchor=east, footline.fg] at (\paperwidth,0) {\focus@pbar@text};
3446 \fi
3447 \fi%
3448 \end{tikzpicture}%
3449 \else%
3450 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]
3451 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3452 \fill[footline.bg] (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3453 \if@RTLmain
3454 \node[anchor=west, footline.fg] at ({\the\focus@pbar@rightoffset},0) {\focus@pbar@text};
3455 \else
3456 \node[anchor=east, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},\the\focus@pbar@height) {\focus@pbar@text};
3457 \fi
3458 \ifx\beamer@focus@totalframenumbering\no%
3459 \else%
3460 \if@RTLmain
3461 \node[footline.fg] at ({\the\focus@pbar@rightoffset},0) {\focus@pbar@text};
3462 \node[anchor=east, footline.fg] at ({\the\focus@pbar@rightoffset},\the\focus@pbar@height) {\focus@pbar@text};
3463 \else
3464 \node[footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},0) {\focus@pbar@text};
3465 \node[anchor=west, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},\the\focus@pbar@height) {\focus@pbar@text};
3466 \fi

```



```

3467             \fi%
3468             \end{tikzpicture}%
3469         \fi%
3470     \fi%
3471 \fi%
3472 }
3473
3474

```

34 File beamerouterthemeinfolines-xetex-bidi.def

```

3475 \ProvidesFile{beamerouterthemeinfolines-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for
3476 \bidi@csundef{beamer@tmpop@footline@infolines theme}
3477
3478 \defbeamertemplate*{footline}{infolines theme}
3479 {%
3480     \leavevmode%
3481     \hbox{%
3482         \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot}
3483         \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\
3484         \end{beamercolorbox}%
3485         \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}
3486         \usebeamerfont{title in head/foot}\insertshorttitle
3487         \end{beamercolorbox}%
3488         \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,
3489         \hfill%
3490         \usebeamerfont{date in head/foot}%
3491         \insertshortdate{}%
3492         \hfill%
3493         \bgroup
3494         \usebeamerfont[fg]{page number in head/foot}%
3495         \usebeamerfont{page number in head/foot}%
3496         \usebeamertemplate{page number in head/foot}%
3497         \egroup
3498         \end{beamercolorbox}}%
3499         \vskip0pt%
3500     }
3501
3502 \bidi@csundef{beamer@tmpop@headline@infolines theme}
3503
3504 \defbeamertemplate*{headline}{infolines theme}
3505 {%
3506     \leavevmode%
3507     \hbox{%
3508         \if@RTL
3509         \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{section in head/foot}%
3510         \else
3511         \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{section in head/foot}%
3512         \fi
3513         \usebeamerfont{section in head/foot}\insertsectionhead\hspace*{2ex}
3514         \end{beamercolorbox}%
3515         \if@RTL
3516         \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{subsection in head/foot}
3517         \else

```




```

3518 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{subsection in head/footer}
3519 \fi
3520 \usebeamerfont{subsection in head/footer}\hspace*{2ex}\insertsubsectionhead
3521 \end{beamercolorbox}}%
3522 \vskip0pt%
3523 }
3524
3525 \bidi@AfterFile{beamerouterthememetroplit-xetex-bidi.def}{%
3526 \setbeamertemplate{footline}[infolines theme]%
3527 }
3528

```

35 File beamerouterthememetropolis-xetex-bidi.def

```

3529 \ProvidesFile{beamerouterthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations f
3530 \setbeamertemplate{progress bar in head/footer}{
3531 \nointerlineskip
3532 \setlength{\metropolis@progressinheadfoot}{%
3533 \paperwidth * \ratio{\insertframenum ber pt}{\inserttotalframenum ber pt}}%
3534 }%
3535 \begin{beamercolorbox}[wd=\paperwidth]{progress bar in head/footer}
3536 \begin{tikzpicture}
3537 \fill[bg] (0,0) rectangle (\paperwidth, \metropolis@progressinheadfoot@linewidth);
3538 \if@RTLmain
3539 \fill[fg] (\paperwidth-\metropolis@progressinheadfoot,0) rectangle (\paperwidth, \met
3540 \else
3541 \fill[fg] (0,0) rectangle (\metropolis@progressinheadfoot, \metropolis@progressinhead
3542 \fi
3543 \end{tikzpicture}}%
3544 \end{beamercolorbox}
3545 }
3546
3547 \AtBeginDocument{%
3548 \setbeamertemplate{frametitle}[plain]%
3549 }
3550
3551

```

36 File beamerouterthememiniframes-xetex-bidi.def

```

3552 \ProvidesFile{beamerouterthememiniframes-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations f
3553 \bidi@csundef{beamer@tmpop@headline@miniframes theme}
3554
3555 \defbeamertemplate*{headline}{miniframes theme}
3556 {%
3557 \begin{beamercolorbox}[colsep=1.5pt]{upper separation line head}
3558 \end{beamercolorbox}
3559 \begin{beamercolorbox}{section in head/footer}
3560 \vskip2pt\if@RTL\beginR\fi\insertnavigation{\paperwidth}\if@RTL\endR\fi\vskip2pt
3561 \end{beamercolorbox}}%
3562 \ifbeamer@theme@subsection%
3563 \begin{beamercolorbox}[colsep=1.5pt]{middle separation line head}
3564 \end{beamercolorbox}
3565 \if@RTL

```



```

3566 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3567   rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3568 \else
3569 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3570   leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3571 \fi
3572 \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3573 \end{beamercolorbox}%
3574 \fi%
3575 \begin{beamercolorbox}[colsep=1.5pt]{lower separation line head}
3576 \end{beamercolorbox}
3577 }
3578
3579

```

37 File beamerouterthemesidebar-xetex-bidi.def

```

3580 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for
3581 \bidi@csundef{beamer@tmpop@frametitle@sidebar theme}
3582
3583 \bidi@csundef{beamer@tmpop@headline@sidebar theme}
3584
3585 \bidi@csundef{beamer@tmpop@sidebar left@sidebar theme}
3586
3587 \bidi@csundef{beamer@tmpop@sidebar right@sidebar theme}
3588
3589 \ifdim\beamer@headheight>0pt
3590
3591 \defbeamertemplate*{frametitle}{sidebar theme}
3592 {%
3593 \nointerlineskip%
3594 \ifbeamer@plainframe%
3595 \hbox{\usebeamercolor[bg]{frametitle}%
3596 \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
3597 \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\bea
3598 \nointerlineskip%
3599 \fi%
3600 \vskip-\beamer@headheight%
3601 \vbox to \beamer@headheight{%
3602 \vfil
3603 \bidi@beamer@leftskip=-\beamer@leftmargin%
3604 \advance\bidi@beamer@leftskip by0.3cm%
3605 \bidi@beamer@rightskip=-\beamer@rightmargin%
3606 \advance\bidi@beamer@rightskip by0.3cm plus1fil%
3607 {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par
3608 \ifx\insertframesubtitle\@empty\else%
3609 {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframes
3610 \fi%
3611 \vbox{}}%
3612 \vskip-1em%
3613 \vfil
3614 }%
3615 }
3616

```



```

3617 \AtBeginDocument{%
3618   \setbeamertheme{frametitle}[sidebar theme]%
3619 }
3620
3621 \defbeamertheme*{headline}{sidebar theme}
3622 {%
3623   \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
3624     \ifx\beamer@sidebarside\beamer@lefttext%
3625       \else%
3626         \hfill%
3627       \fi%
3628     \ifdim\beamer@sidebarwidth>0pt%
3629       \bgroup
3630       \usebeamercolor[bg]{logo}%
3631       \if@RTLmain
3632       \else
3633         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3634         \hskip-\beamer@sidebarwidth%
3635       \fi
3636       \hbox to \beamer@sidebarwidth{\hss\vbox to
3637         \beamer@headheight{\vss\hbox{\color{fg}\insertlogo}\vss}\hss}%
3638       \if@RTLmain
3639         \hskip-\beamer@sidebarwidth%
3640       \vrule width\beamer@sidebarwidth height \beamer@headheight%
3641       \fi
3642     \egroup
3643   \else%
3644     \vrule width0pt height \beamer@headheight%
3645   \fi%
3646 \end{beamercolorbox}
3647 }
3648 \fi
3649
3650 \def\beamer@sidebarformat#1#2#3{%
3651 \if@RTL
3652 \begin{beamercolorbox}[wd=\beamer@sidebarwidth,rightskip=#1,leftskip=1ex plus1fil,vmode]{
3653 \else
3654 \begin{beamercolorbox}[wd=\beamer@sidebarwidth,leftskip=#1,rightskip=1ex plus1fil,vmode]{
3655 \fi
3656   \vbox{}%
3657   #3\par%
3658   \vbox{}%
3659   \vskip-1.5ex%
3660 \end{beamercolorbox}
3661 }
3662
3663 \ifdim\beamer@sidebarwidth>0pt
3664
3665 \AtBeginDocument{%
3666   \setbeamertheme{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
3667 }
3668
3669 \defbeamertheme*{sidebar \beamer@sidebarside}{sidebar theme}
3670 {

```



```

3671 \beamer@tempdim=\beamer@sidebarwidth%
3672 \advance\beamer@tempdim by -6pt%
3673 {\usebeamerfont{title in sidebar}%
3674 \vskip1.5em%
3675 \hskip3pt%
3676 \bgroup
3677 \usebeamercolor[fg]{title in sidebar}%
3678 \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3679 \vskip1.25em%
3680 }%
3681 {%
3682 \hskip3pt%
3683 \bgroup
3684 \usebeamercolor[fg]{author in sidebar}%
3685 \usebeamerfont{author in sidebar}%
3686 \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3687 \vskip1.25em%
3688 }%
3689 \insertverticalnavigation{\beamer@sidebarwidth}%
3690 \vfill
3691 \ifx\beamer@sidebarside\beamer@lefttext%
3692 \else%
3693 \usebeamercolor{normal text}%
3694 \llap{\usebeamertemplate***{navigation symbols}\hskip0.1cm}%
3695 \vskip2pt%
3696 \fi%
3697 }%
3698 \fi
3699

```

38 File beamerouterthemesplit-xetex-bidi.def

```

3700 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for be
3701 \bidi@csundef{beamer@@tmpop@footline@split theme}
3702
3703 \defbeamertemplate*{footline}{split theme}
3704 {%
3705 \leavevmode%
3706 \hbox{\if@RTL\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm p
3707 \else
3708 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,rightsk
3709 \fi
3710 \usebeamerfont{author in head/foot}\insertshortauthor
3711 \end{beamercolorbox}%
3712 \if@RTL
3713 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm,leftskip=.3cm
3714 \else
3715 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm
3716 \fi
3717 \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bgroup\usebeamercolor
3718 \end{beamercolorbox}}%
3719 \vskip0pt%
3720 }
3721

```



3722

39 File beamerouterthemeshadow-xetex-bidi.def

```
3723 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/11 v0.3 bidi adaptations for b
3724 \pgfdeclarehorizontalshading[frametitle.bg,frametitle right.bg]{bidi@beamer@RTL@frametitles
3725   color(0pt)=(frametitle right.bg);
3726   color(\paperwidth)=(frametitle.bg)
3727 }
3728
3729 \newcommand*{\bidi@beamer@frametitleshade}{%
3730   \if@RTLmain
3731     \pgfuses shading{bidi@beamer@RTL@frametitleshade}%
3732   \else
3733     \pgfuses shading{beamer@frametitleshade}%
3734   \fi
3735 }
3736
3737 \bidi@csundef{beamer@tmpop@frametitle@shadow theme}
3738
3739 \defbeamertemplate*{frametitle}{shadow theme}
3740 {%
3741   \nointerlineskip%
3742   \vskip-2pt%
3743   \hbox{\leavevmode
3744     \advance\beamer@leftmargin by -12bp%
3745     \advance\beamer@rightmargin by -12bp%
3746     \beamer@tempdim=\textwidth%
3747     \advance\beamer@tempdim by \beamer@leftmargin%
3748     \advance\beamer@tempdim by \beamer@rightmargin%
3749     \hskip-\Gm@lmargin\hbox{%
3750       \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
3751         \vbox{\vskip-.75ex%
3752           \bidi@beamer@leftskip0.3cm%
3753           \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
3754           \bgroup\usebeamerfont[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertfram
3755           \ifx\insertframesubtitle\empty\else%
3756             {\usebeamerfont*{framesubtitle}{\usebeamerfont[fg]{framesubtitle}\insertframes
3757           \fi%
3758           \nointerlineskip
3759           \vbox{}}%
3760         \end{minipage}}}%
3761       \beamer@tempdim=\ht\beamer@tempbox%
3762       \advance\beamer@tempdim by 2pt%
3763       \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
3764         \begin{pgfscope}
3765           \pgfsetfillcolor{black}%
3766           \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
3767           \pgfsetfading{beamer@topshadowmask}{}%
3768           \pgfusepath{fill}%
3769         \end{pgfscope}
3770         \begin{pgfscope}
3771           \usebeamerfont{frametitle right}%
3772           \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%
```



```

3773         \pgfusepath{clip}%
3774         \pgftext[left,base]{\bidi@beamer@frametitleshade}%
3775         \end{pgfscope}
3776     \end{pgfpicture}
3777     \hskip-\paperwidth%
3778     \box\beamer@tempbox%
3779 }%
3780 \hskip-\Gm@rmargin%
3781 }%
3782 \vskip-2pt
3783 }
3784
3785 \AtBeginDocument{%
3786   \setbeamertemplate{frametitle}[shadow theme]%
3787 }
3788
3789

```

40 File beamerouterthemesmoothbars-xetex-bidi.def

```

3790 \ProvidesFile{beamerouterthemesmoothbars-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations f
3791 \bidi@csundef{beamer@tmpop@headline@smoothbars theme}
3792
3793 \bidi@csundef{beamer@tmpop@frametitle@smoothbars theme}
3794
3795 \defbeamertemplate*{headline}{smoothbars theme}
3796 {%
3797   \pgfuseshading{beamer@barshade}%
3798   \vskip-0.05ex%
3799   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3800   \begin{pgfpicture}
3801     \begin{pgfscope}%
3802       \ifbeamer@sb@subsection%
3803         \pgfsetfillcolor{subsection in head/foot.bg}%
3804       \else%
3805         \pgfsetfillcolor{section in head/foot.bg}%
3806       \fi%
3807       \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3808       \pgfsetfading{beamer@belowframetitlemask}{}%
3809       \pgfusepath{fill}%
3810     \end{pgfscope}%
3811   \end{pgfpicture}%
3812   \end{beamercolorbox}%
3813   \ifbeamer@sb@subsection%
3814     \vskip-9.75ex%
3815   \else%
3816     \vskip-6.85ex%
3817   \fi%
3818   \begin{beamercolorbox}[ignorebg,ht=2.25ex,dp=3.75ex]{section in head/foot}
3819     \insertnavigation{\paperwidth}
3820   \end{beamercolorbox}%
3821   \ifbeamer@sb@subsection%
3822   \if@RTL
3823     \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%

```



```

3824     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3825 \else
3826 \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3827     leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3828 \fi
3829     \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3830 \end{beamercolorbox}%
3831 \fi%
3832 }%
3833
3834 \defbeamertemplate*{frametitle}{smoothbars theme}
3835 {%
3836     \nointerlineskip%
3837     \vskip-0.19ex%
3838     \usebeamerfont{headline}%
3839     \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=1ex,vmode]{empty}
3840         \pgfuses shading{beamer@aboveframetitle}%
3841     \end{beamercolorbox}%
3842     \vskip-1ex%
3843     \nointerlineskip%
3844     \if@RTL
3845     \begin{beamercolorbox}[wd=\paperwidth,rightskip=.3cm,leftskip=.3cm plus1fil,vmode]{framet
3846     \else
3847     \begin{beamercolorbox}[wd=\paperwidth,leftskip=.3cm,rightskip=.3cm plus1fil,vmode]{framet
3848     \fi
3849         \vskip0.5ex%
3850         \usebeamerfont*{frametitle}\strut\insertframetitle%
3851         \ifx\insertframesubtitle\@empty%
3852             \strut\par%
3853         \else
3854             \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insert
3855         \fi%
3856         \usebeamerfont{headline}%
3857         \vskip0.05ex%
3858     \end{beamercolorbox}%
3859     \nointerlineskip%
3860     \vskip-0.05ex%
3861     \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3862     \begin{pgfpicture}
3863         \begin{pgfscope}%
3864             \pgfsetfillcolor{frametitle.bg}%
3865             \pgfpathrectangle{\pgfpoint{- .5\paperwidth}{- .5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3866             \pgfsetfading{beamer@belowframetitlemask}{}%
3867             \pgfusepath{fill}%
3868         \end{pgfscope}%
3869     \end{pgfpicture}%
3870     \end{beamercolorbox}%
3871 }
3872
3873 \AtBeginDocument{%
3874     \setbeamertemplate{frametitle}[smoothbars theme]%
3875 }
3876
3877

```



41 File beamerouterthemessmoothtree-xetex-bidi.def

```
3878 \ProvidesFile{beamerouterthemessmoothtree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations f
3879 \bidi@csundef{beamer@tmpop@headline@smoothtree theme}
3880
3881 \bidi@csundef{beamer@tmpop@frametitle@smoothtree theme}
3882
3883 \defbeamertemplate*{headline}{smoothtree theme}
3884 {%
3885   \pgfuseshading{beamer@treeshade}%
3886   \vskip-0.05ex%
3887   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3888   \begin{pgfpicture}
3889     \begin{pgfscope}%
3890       \pgfsetfillcolor{subsection in head/foot.bg}%
3891       \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3892       \pgfsetfading{beamer@belowframetitlemask}{}%
3893       \pgfusepath{fill}%
3894     \end{pgfscope}%
3895   \end{pgfpicture}%
3896   \end{beamercolorbox}%
3897   \vskip-9.15ex%
3898   \if@RTL
3899     \begin{beamercolorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3900       rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3901     \else
3902     \begin{beamercolorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3903       leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3904     \fi
3905     \usebeamerfont{title in head/foot}\insertshorttitle
3906   \end{beamercolorbox}
3907   \if@RTL
3908     \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3909       rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3910     \else
3911     \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3912       leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3913     \fi
3914     \usebeamerfont{section in head/foot}%
3915     \hskip6pt\insertsectionhead
3916   \end{beamercolorbox}
3917   \if@RTL
3918     \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3919       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3920     \else
3921     \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3922       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3923     \fi
3924     \usebeamerfont{subsection in head/foot}%
3925     \hskip12pt\insertsubsectionhead
3926   \end{beamercolorbox}
3927   \vskip-0.4ex%
3928 }
3929
```




```

3930 \defbeamertemplate*{frametitle}{smoothtree theme}
3931 {%
3932   \nointerlineskip%
3933   \vskip-0.05ex%
3934   \usebeamerfont{headline}%
3935   \begin{beamercolorbox}[wd=\paperwidth,ht=0.85ex,dp=0ex]{empty}
3936     \pgfuses shading{beamer@aboveframetitle}%
3937   \end{beamercolorbox}
3938   \nointerlineskip%
3939   \if@RTL
3940     \begin{beamercolorbox}[wd=\paperwidth,rightskip=.935cm,leftskip=.3cm plus1fil]{frametitle}
3941   \else
3942     \begin{beamercolorbox}[wd=\paperwidth,leftskip=.935cm,rightskip=.3cm plus1fil]{frametitle}
3943   \fi
3944     \vskip-1.2ex%
3945     \usebeamerfont*{frametitle}\strut\insertframetitle%
3946     \ifx\insertframesubtitle\@empty%
3947       \strut\par%
3948     \else
3949       \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insertframesubtitle}%
3950     \fi%%
3951     \usebeamerfont{headline}%
3952   \end{beamercolorbox}%
3953   \nointerlineskip
3954   \vskip-0.2ex%
3955   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3956   \begin{pgfpicture}
3957     \begin{pgfscope}%
3958       \pgfsetfillcolor{frametitle.bg}%
3959       \pgfpathrectangle{\pgfpoint{- .5\paperwidth}{-.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3960       \pgfsetfading{beamer@belowframetitlemask}{}%
3961       \pgfusepath{fill}%
3962     \end{pgfscope}%
3963   \end{pgfpicture}%
3964   \end{beamercolorbox}%
3965 }
3966
3967
3968 \AtBeginDocument{%
3969   \setbeamertemplate{frametitle}[smoothtree theme]%
3970 }
3971
3972

```

42 File beamerouterthemetree-xetex-bidi.def

```

3973 \ProvidesFile{beamerouterthemetree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beamer]
3974 \bidi@csundef{beamer@tmpop@headline@tree theme}
3975
3976 \defbeamertemplate*{headline}{tree theme}
3977 {%
3978   \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{upper separation line head}
3979   \end{beamercolorbox}
3980   \if@RTL

```



```

3981 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3982   rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3983 \else
3984 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3985   leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3986 \fi
3987   \usebeamerfont{title in head/foot}\insertshorttitle
3988 \end{beamercolorbox}
3989 \if@RTL
3990 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3991   rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3992 \else
3993 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3994   leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3995 \fi
3996   \usebeamerfont{section in head/foot}%
3997   \ifbeamer@tree@showhooks
3998     \setbox\beamer@tempbox=\hbox{\insertsectionhead}%
3999     \ifdim\wd\beamer@tempbox>1pt%
4000       \hskip2pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0}
4001       \hskip1pt%
4002     \fi%
4003   \else%
4004     \hskip6pt%
4005   \fi%
4006   \insertsectionhead
4007 \end{beamercolorbox}
4008 \if@RTL
4009 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
4010   rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
4011 \else
4012 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
4013   leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
4014 \fi
4015   \usebeamerfont{subsection in head/foot}%
4016   \ifbeamer@tree@showhooks
4017     \setbox\beamer@tempbox=\hbox{\insertsubsectionhead}%
4018     \ifdim\wd\beamer@tempbox>1pt%
4019       \hskip9.4pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height}
4020       \hskip1pt%
4021     \fi%
4022   \else%
4023     \hskip12pt%
4024   \fi%
4025   \insertsubsectionhead
4026 \end{beamercolorbox}
4027 \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{lower separation line head}
4028 \end{beamercolorbox}
4029 }
4030
4031

```

43 File beamerthemeHannover-xetex-bidi.def



```

4032 \ProvidesFile{beamerthemeHannover-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for beam
4033 \AtBeginDocument{%
4034   \if@RTLmain
4035     \setbeamertemplate{frametitle}[default] [left]%
4036   \else
4037     \setbeamertemplate{frametitle}[default] [right]%
4038   \fi
4039 }
4040
4041

```

44 File beamerthemeSingapore-xetex-bidi.def

```

4042 \ProvidesFile{beamerthemeSingapore-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for bea
4043 \addtoheadtemplate{\pgfuses shading{beamer@headfade}\vskip-1.25cm}{-}
4044
4045 \beamertemplatedotitem
4046
4047 \AtBeginDocument{%
4048   \setbeamertemplate{frametitle}[default] [center]%
4049 }
4050
4051

```

45 File bidi.sty

```

4052 \NeedsTeXFormat{LaTeX2e}
4053 \def\bidiidate{2025/09/15}
4054 \def\bidi@version{25.09.15}
4055 \def\bidi@releasename{Iran}
4056 \newcommand*{\bidi@releasename}{\bidi@releasename}
4057 \ProvidesPackage{bidi}[\bidiidate\space v\bidi@version\space (Release \bidi@releasename)\spa
4058 Bidirectional typesetting in plain TeX and LaTeX]
4059 \newif\if@bidi@banner
4060 \newif\if@bidi@pdfbanner
4061 \newif\iffootdir@debug
4062 \newif\if@extrafootnotefeatures
4063 \newif\if@nonlatin
4064 \newif\if@bidi@pdfm@mark
4065 \newif\if@bidi@perpage@footnote
4066 \ExplSyntaxOn
4067 \msg_new:nnn {bidi} {cannot-use-engine}
4068 {
4069   Oops!~can~not~use~\c_sys_engine_str.\\\\
4070   The-bidi-package-requires~XeTeX.
4071 }
4072 \sys_if_engine_xetex:F
4073 {
4074   \msg_fatal:nn {bidi} {cannot-use-engine}
4075 }
4076
4077 \keys_define:nn { bidi }
4078 {
4079   banner .choice: ,

```



```

4080 banner / on .code:n = \@bidi@bannertrue ,
4081 banner / off .code:n = \@bidi@bannerfalse ,
4082 banner .default:n = on
4083 }
4084 \keys_define:nn { bidi }
4085 {
4086 PDFbanner .choice: ,
4087 PDFbanner / on .code:n = \@bidi@pdfbannertrue ,
4088 PDFbanner / off .code:n = \@bidi@pdfbannerfalse ,
4089 PDFbanner .default:n = on
4090 }
4091 \keys_define:nn { bidi }
4092 {
4093 RTLdocument .choice: ,
4094 RTLdocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4095 RTLdocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4096 RTLdocument .default:n = on
4097 }
4098 \keys_define:nn { bidi }
4099 {
4100 rldocument .choice: ,
4101 rldocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4102 rldocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4103 rldocument .default:n = on
4104 }
4105 \keys_define:nn { bidi }
4106 {
4107 documentdirection .choice: ,
4108 documentdirection / righttoleft .code:n = \AtEndOfPackage{\@RTLtrue} ,
4109 documentdirection / lefttoright .code:n = \AtEndOfPackage{\@RTLfalse}
4110 }
4111 \keys_define:nn { bidi }
4112 {
4113 tabledirection .choice: ,
4114 tabledirection / righttoleft .code:n = \AtEndOfPackage{\@RTLtabtrue} ,
4115 tabledirection / lefttoright .code:n = \AtEndOfPackage{\@RTLtabfalse}
4116 }
4117 \keys_define:nn { bidi }
4118 {
4119 footnotedirection .choice: ,
4120 footnotedirection / righttoleft .code:n = \AtEndOfPackage{\@RTL@footnotetrue} ,
4121 footnotedirection / lefttoright .code:n = \AtEndOfPackage{\@RTL@footnotefalse}
4122 }
4123 \keys_define:nn { bidi }
4124 {
4125 debugfootnotedirection .choice: ,
4126 debugfootnotedirection / on .code:n = \footdir@debugtrue ,
4127 debugfootnotedirection / off .code:n = \footdir@debugfalse ,
4128 debugfootnotedirection .default:n = on
4129 }
4130 \keys_define:nn { bidi }
4131 {
4132 footnoterule .choice: ,
4133 footnoterule / automatic .code:n = \AtEndOfPackage{\autofootnoterule} ,

```



```

4134 footnoterule / left .code:n = \AtEndOfPackage{\leftfootnoterule} ,
4135 footnoterule / right .code:n = \AtEndOfPackage{\rightfootnoterule} ,
4136 footnoterule / split .code:n = \AtEndOfPackage{\SplitFootnoteRule} ,
4137 footnoterule / textwidth .code:n = \AtEndOfPackage{\textwidthfootnoterule}
4138 }
4139 \keys_define:nn { bidi }
4140 {
4141   extrafootnotefeatures .choice: ,
4142   extrafootnotefeatures / on .code:n = \@extrafootnotefeaturestrue ,
4143   extrafootnotefeatures / off .code:n = \@extrafootnotefeaturesfalse ,
4144   extrafootnotefeatures .default:n = on
4145 }
4146 \keys_define:nn { bidi }
4147 {
4148   script .choice: ,
4149   script / latin .code:n = \@nonlatinfalse ,
4150   script / nonlatin .code:n = \@nonlatintrue ,
4151   script .default:n = latin
4152 }
4153 \keys_define:nn { bidi }
4154 {
4155   DetectColumn .choice: ,
4156   DetectColumn / on .code:n =
4157     \def\bidi@firstcolumn@status@write{%
4158       \protected@write\@auxout{%
4159         {\string\bidi@column@status
4160           {1}}}
4161     \def\bidi@lastcolumn@status@write{%
4162       \protected@write\@auxout{%
4163         {\string\bidi@column@status{2}}} ,
4164   DetectColumn / off .code:n =
4165     \let\bidi@firstcolumn@status@write\relax
4166     \let\bidi@lastcolumn@status@write\relax ,
4167   DetectColumn .default:n = on
4168 }
4169 \keys_define:nn { bidi }
4170 {
4171   logo .choice: ,
4172   logo / on .code:n = \AtEndOfPackage{\AtBeginDocument{\@bidi@inslogo}} ,
4173   logo / off .code:n = \let\@bidi@logo@\empty \let\@bidi@inslogo@\empty ,
4174   logo .default:n = on
4175 }
4176 \keys_define:nn { bidi }
4177 {
4178   pdfinfo .choice: ,
4179   pdfinfo / on .code:n = \@bidi@pdfm@marktrue ,
4180   pdfinfo / off .code:n = \@bidi@pdfm@markfalse ,
4181   pdfinfo .default:n = on
4182 }
4183 % The `perpagefootnote' option is documented in UK TeX FAQ at
4184 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
4185 \keys_define:nn { bidi }
4186 {
4187   perpagefootnote .choice: ,

```



```

4188     perpagefootnote / on .code:n = \@bidi@perpage@footnotetrue ,
4189     perpagefootnote / off .code:n = \@bidi@perpage@footnotefalse ,
4190     perpagefootnote .default:n = on
4191   }
4192 \keys_set:nn { bidi }
4193   {
4194     banner = on ,
4195     PDFbanner = on ,
4196     DetectColumn = off
4197   }
4198 }
4199 \ExplSyntaxOff
4200 \ProcessKeyOptions
4201 \edef\@bidi@info{*****^^J%
4202 * ^^J%
4203 * bidi package (Bidirectional typesetting with^^J%
4204 * plain TeX and LaTeX formats in XeTeX and LuaTeX engines)^^J%
4205 * ^^J%
4206 * Description: A convenient interface for^^J%
4207 * typesetting bidirectional texts in plain TeX^^J%
4208 * and LaTeX. The package includes adaptations^^J%
4209 * for use with many other commonly-used packages.^^J%
4210 * ^^J%
4211 * Copyright (c) 2007--2025 Vafa Khalighi^^J%
4212 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
4213 * ^^J%
4214 * v\bidi@version\space (Release \bidi@releasename), \bididate^^J%
4215 * ^^J%
4216 * License: LaTeX Project Public License, version^^J%
4217 * 1.3c or higher (your choice)^^J%
4218 * ^^J%
4219 * Location on CTAN: /macros/unicodetex/generic/bidi^^J%
4220 * ^^J%
4221 * Issue tracker: https://github.com/xepersian/bidi/issues^^J%
4222 * ^^J%
4223 * Primary author of bidi package: Vafa Khalighi.^^J%
4224 * ^^J%
4225 *****}
4226 \edef\bidi@everyjob{\the\everyjob}
4227 \if@bidi@banner
4228   \typeout{\@bidi@info}
4229   \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
4230 \fi
4231 \newcommand*\bidiversions{\ensuremath\bidi@version}
4232 \RequirePackage{biditools}
4233 \RequirePackage{zref-abspage}
4234 \RequirePackage{auxhook}
4235 \RequirePackage{ltxcmds}
4236 \eqnewif{\if@RTLmain}{\if@rlmain}
4237 \eqnewif{\if@RTL}{\if@rl}
4238 \newcommand*\setlatin{\@nonlatinfalse}
4239 \newcommand*\setnonlatin{\@nonlatintrue}
4240 \eqnewif{\if@RTLtab}{\if@tab@rl}
4241 \newif\if@hboxRconstruct

```



```

4242 \newif\if@bidi@pdfencrypt
4243 \newcommand*{\setRTLtable}{\@RTLtabtrue}
4244 \newcommand*{\setLTRtable}{\@RTLtabfalse}
4245 \newif\if@RTLMarginpar
4246 \newif\if@LTRmarginpar
4247 \newif\if@LTRbibitems
4248 \newif\if@RTLbibitems
4249 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
4250 \newif\if@bidi@list@minipage@parbox
4251 \newif\if@bidi@list@minipage@parbox@not@nob
4252 \newcommand*{\@bidi@pdfcreator}{%
4253   The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4254 }
4255 \newcommand*{\@bidi@pdfproducer}{%
4256   The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4257 }
4258 \newcommand*{\@bidi@pdfcustomproperties}{%
4259   This is the bidi package, Version \bidi@version\space (Release \bidi@releasename),
4260   Released September 15, 2025.
4261 }
4262 \newcommand*{\bidi@beamer@ragged}{}
4263 \@RTLmainfalse
4264 \AtBeginDocument{%
4265   \if@RTLmain\else
4266     \if@RTL\@RTLmaintrue%
4267     \else\@RTLmainfalse%
4268     \fi%
4269   \fi%
4270 }
4271 \let\n@xt=\
4272 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
4273 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4274 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
4275 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4276 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4277   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4278 \newinsert\@bidi@copyins@
4279 \skip\@bidi@copyins@=12\p@
4280 \dimen\@bidi@copyins@=40pc
4281 \count\@bidi@copyins@=1000
4282 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
4283 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
4284   \if@RTLmain
4285     \if@twocolumn
4286       \hboxR to \columnwidth
4287     \else
4288       \hboxR to \textwidth
4289     \fi
4290   \else
4291     \if@twocolumn
4292       \hboxL to \columnwidth
4293     \else
4294       \hboxL to \textwidth
4295     \fi

```



```

4296 \fi
4297 }
4298 \newcommand*{\@bidi@logo}[1]{%
4299 \toks@{%
4300 \setbox\z@\hbox{%
4301 \special{%
4302 pdf:image width 50pt height 50pt (#1)%
4303 }
4304 }%
4305 \dp\z@\z@
4306 \ht\z@=50pt
4307 \wd\z@=50pt
4308 \beginL
4309 \lower20pt\box\z@
4310 \endL
4311 }%
4312 \the\toks@
4313 }
4314 \newcount\bidi@typesethour
4315 \newcount\bidi@typesetminute
4316 \bidi@typesethour=\time
4317 \divide\bidi@typesethour 60
4318 \bidi@typesetminute=-\bidi@typesethour
4319 \multiply\bidi@typesetminute 60
4320 \advance\bidi@typesetminute \time
4321 \newcommand*\TypesetHour}{\two@digits\bidi@typesethour}
4322 \newcommand*\TypesetMinute}{\two@digits\bidi@typesetminute}
4323 \newcommand*\TypesetTime}{\TypesetHour:\TypesetMinute}
4324 \newcommand*\@bidi@logo@}{%
4325 \@bidi@logo@hb@xt@columnwidth
4326 {\hss\LRE{\bfseries Typeset {\today} at {\TypesetTime} by the \textsf{bidi}
4327 package\quad@\@bidi@logo{bidi-logo.pdf}}}}
4328 \ExplSyntaxOn
4329 \keys_define:nn { bidi / pdfencrypt }
4330 {
4331 userpassword .code:n = \def\bidi@pdfencrypt@userpassword{#1} ,
4332 userpassword .default:n =
4333 }
4334 \keys_define:nn { bidi / pdfencrypt }
4335 {
4336 ownerpassword .code:n = \def\bidi@pdfencrypt@ownerpassword{#1} ,
4337 ownerpassword .default:n =
4338 }
4339 \keys_define:nn { bidi / pdfencrypt }
4340 {
4341 keylength .code:n = \def\bidi@pdfencrypt@keylength{#1} ,
4342 keylength .default:n = 128
4343 }
4344 \keys_define:nn { bidi / pdfencrypt }
4345 {
4346 permissionflags .code:n = \def\bidi@pdfencrypt@permissionflags{#1} ,
4347 permissionflags .default:n = 2052
4348 }
4349 \NewDocumentCommand \pdfcryptsetup {m} { \keys_set:nn { bidi / pdfencrypt } {#1} }

```




```

4350 \ExplSyntaxOff
4351 \@onlypreamble\pdfencryptsetup
4352 \input{latex-xetex-bidi.def}
4353
4354 \pdfencryptsetup{%
4355   userpassword,%
4356   ownerpassword,%
4357   keylength,%
4358   permissionflags%
4359 }
4360
4361 \if@extrafootnotefeatures
4362 \input{extrafootnotefeatures-xetex-bidi.def}
4363 \fi
4364 \newcount\bidi@digits
4365 \XeTeXinterchartokenstate=\@one
4366 \newXeTeXintercharclass\bidi@digits@charclass
4367 \newXeTeXintercharclass\bidi@sepmark@charclass
4368 \XeTeXcharclass \. \bidi@sepmark@charclass
4369 \XeTeXcharclass \- \bidi@sepmark@charclass
4370 \bidi@digits=\@zero \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<10 \do
4371 \bidi@digits=\@zero \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<10 \do
4372 \bidi@digits=\@zero \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<10 \do
4373 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharToks}
4374 \newcommand*\DigitsDotDashInterCharToks{\if@nonlatin\char"200F \fi}
4375 \bidi@AtEndPreamble{%
4376   \if@bidi@perpage@footnote
4377     \RequirePackage{bidi-perpage}%
4378     \ResetCounterPerPage{footnote}%
4379   \fi
4380   \ifx\bidi@pdfencrypt@ownerpassword\bidi@empty
4381     \ifx\bidi@pdfencrypt@userpassword\bidi@empty
4382       \bidi@pdfencryptfalse
4383     \else
4384       \bidi@pdfencrypttrue
4385     \fi
4386   \else
4387     \bidi@pdfencrypttrue
4388   \fi
4389   \if@bidi@pdfencrypt
4390     \special{pdf:encrypt
4391       userpw (\bidi@pdfencrypt@userpassword)
4392       ownerpw (\bidi@pdfencrypt@ownerpassword)
4393       length \bidi@pdfencrypt@keylength
4394       perm \bidi@pdfencrypt@permissionflags
4395     }%
4396   \fi
4397 }
4398 \if@bidi@pdfbanner
4399 \if@bidi@pdfm@mark
4400 \AtEndDocument{%
4401 \special{pdf:
4402 docinfo<<%
4403 /Creator(\bidi@pdfcreator)%

```



```

4404         /Producer(\@bidi@pdfproducer)%
4405         /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4406         \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4407             /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4408         }{}%
4409     >>%
4410 }%
4411 }
4412 \else
4413     \AtEndDocument{%
4414         \special{pdf:%
4415             docinfo<<%
4416                 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4417                 \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4418                     /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4419                 }{}%
4420             >>%
4421         }%
4422     }
4423 \fi
4424 \else
4425     \if@bidi@pdfm@mark
4426         \AtEndDocument{%
4427             \special{pdf:%
4428                 docinfo<<%
4429                     /Creator(\@bidi@pdfcreator)%
4430                     /Producer(\@bidi@pdfproducer)%
4431                 >>%
4432             }%
4433         }
4434 \fi
4435 \fi

```

46 File bidi.tex

```

4436 \def\bidiidate{2025/09/15}
4437 \catcode`@=11
4438 \def\bidi@version{25.09.15}
4439 \def\bidi@releasename{Iran}
4440 \def\bidi@releasename{\bidi@releasename}
4441 \let \protect \relax
4442 \newlinechar`^^J
4443 \edef\@bidi@info{*****^^J%
4444 * ^^J%
4445 * bidi package (Bidirectional typesetting with^^J%
4446 * plain TeX and LaTeX formats in XeTeX and LuaTeX engines)^^J%
4447 * ^^J%
4448 * Description: A convenient interface for^^J%
4449 * typesetting bidirectional texts in plain TeX^^J%
4450 * and LaTeX. The package includes adaptations^^J%
4451 * for use with many other commonly-used packages.^^J%
4452 * ^^J%
4453 * Copyright (c) 2007--2025 Vafa Khalighi^^J%
4454 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%

```



```

4455 * ^^J%
4456 * v\bidi@version\space (Release \bidi@releasename), \bididate^^J%
4457 * ^^J%
4458 * License: LaTeX Project Public License, version^^J%
4459 * 1.3c or higher (your choice)^^J%
4460 * ^^J%
4461 * Location on CTAN: /macros/unicodetex/generic/bidi^^J%
4462 * ^^J%
4463 * Issue tracker: https://github.com/xepersian/bidi/issues^^J%
4464 * ^^J%
4465 * Primary author of bidi package: Vafa Khalighi.^^J%
4466 * ^^J%
4467 *****}
4468 \edef\bidi@everyjob{\the\everyjob}
4469 \message{\@bidi@info}
4470 \everyjob{\bidi@everyjob\message{\@bidi@info}}
4471 \def\bdiversion{%
4472   \relax
4473   \ifmode
4474     \bidi@version
4475   \else
4476     $\bidi@version$
4477   \fi
4478 }
4479 \input iftex.sty
4480 \RequireXeTeX
4481 \newif\if@bidi@pdfm@mark
4482 \newif\if@RTLmain
4483 \newif\if@RTL
4484 \newif\if@hboxRconstruct
4485 \newif\if@sentdir
4486 \newif\if@RTL@footnote
4487 \@RTLmainfalse
4488 \def\setRTLmain{%
4489   \if@RTLmain\else
4490     \if@RTL\@RTLmaintrue%
4491     \else\@RTLmainfalse%
4492   \fi%
4493   \fi%
4494 }
4495 \let\n@xt=\
4496 \protected\def\LRE{\protect\pLRE}%
4497 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4498 \protected\def\RLE{\protect\pRLE}
4499 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4500 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4501   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4502 \newinsert\@bidi@copyins@
4503 \skip\@bidi@copyins@=12p@
4504 \dimen\@bidi@copyins@=40pc
4505 \count\@bidi@copyins@=1000
4506 \def\@bidi@inslogo@{\insert\@bidi@copyins@{\@bidi@logo@}}
4507 \def\@bidi@logo@hb@xt@{%
4508   \if@RTLmain

```



```

4509     \hboxR to
4510     \else
4511     \hboxL to
4512     \fi
4513 }
4514 \def\@bidi@logo#1{%
4515     \toks@{%
4516         \setbox\z@\hbox{%
4517             \special{%
4518                 pdf:image width 50pt height 50pt (#1)%
4519             }
4520         }%
4521         \dp\z@\z@
4522         \ht\z@=50pt
4523         \wd\z@=50pt
4524         \beginL
4525             \lower20pt\box\z@
4526         \endL
4527     }%
4528     \the\toks@
4529 }
4530 \def\today{\ifcase\month\or
4531     January\or February\or March\or April\or May\or June\or
4532     July\or August\or September\or October\or November\or December\fi
4533     \space\number\day, \number\year}
4534 \def\two@digits#1{\ifnum#1<10 0\fi\number#1}
4535 \newcount\bidi@typesethour
4536 \newcount\bidi@typesetminute
4537 \bidi@typesethour=\time
4538 \divide\bidi@typesethour 60
4539 \bidi@typesetminute=-\bidi@typesethour
4540 \multiply\bidi@typesetminute 60
4541 \advance\bidi@typesetminute \time
4542 \def\TypesetHour{\two@digits\bidi@typesethour}
4543 \def\TypesetMinute{\two@digits\bidi@typesetminute}
4544 \def\TypesetTime{\TypesetHour:\TypesetMinute}
4545 \def\@bidi@logo@\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset {\today} at {\TypesetTime} b
4546 \def\bidilogo@\@bidi@inslogo@}
4547 \def\nobidilogo{\let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty}
4548 \def\@bidi@pdfcreator{%
4549     The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4550 }
4551 \def\@bidi@pdfproducer{%
4552     The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4553 }
4554 \def\@bidi@pdfcustomproperties{%
4555     This is the bidi package, Version \bidi@version\space (Release \bidi@releasename),
4556     Released September 15, 2025.
4557 }
4558 \def\bidi@pdfm@mark{%
4559     \special{pdf:%
4560         docinfo<<%
4561         \if@bidi@pdfm@mark
4562             /Creator(\@bidi@pdfcreator)%

```



```

4563     /Producer(\@bidi@pdfproducer)%
4564     \fi
4565     /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4566     >>%
4567     }%
4568 }
4569 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
4570 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
4571 \input plain-xetex-bidi.def
4572 \outer\def\bye{\bidi@pdfm@mark\par\vfill\supereject\end}
4573 \catcode`@=12
4574 \bidipdfinfoon

```

47 File bidi2in1.sty

```

4575 \NeedsTeXFormat{LaTeX2e}
4576 \ProvidesPackage{bidi2in1}
4577 \pagestyle{plain}
4578 \newcount\evenpage
4579 \newcount\oddpge
4580 \twocolumn
4581 \def\@oddfoot{\evenpage=\thepage%
4582 \multiply\evenpage by 2%
4583 \oddpge=\the\evenpage%
4584 \advance\oddpge by -1%
4585 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
4586 \def\@evenfoot{\evenpage=\thepage%
4587 \multiply\evenpage by 2%
4588 \oddpge=\the\evenpage%
4589 \advance\oddpge by -1%
4590 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
4591 \textwidth 9.49in
4592 \textheight 6.7in
4593 \columnsep 0.9in
4594 \columnseprule 0.125pt
4595 \headheight 0cm
4596 \topmargin 0in
4597 \marginparwidth 0in
4598 \marginparsep 0in
4599 \hoffset 0.05in % Corrected
4600 \voffset -0.5in %top margin space is 1.0in by default
4601 \oddsidemargin 0in
4602 \evensidemargin 0in
4603 \headsep 0cm
4604 \topskip 0cm
4605 \parskip 0.15in %
4606 \headsep 0pt
4607 \special{papersize=11.69in,8.26in}
4608 \renewcommand\maketitle{\par
4609 \begingroup
4610 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
4611 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
4612 \long\def\@makefntext##1{\parindent 1em\noindent
4613 \hb@xt@1.8em{

```



```

4614 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
4615 \@maketitle
4616 \@thanks
4617 \endgroup
4618 \setcounter{footnote}{0}%
4619 \global\let\thanks\relax
4620 \global\let\maketitle\relax
4621 \global\let\@maketitle\relax
4622 \global\let\@thanks\@empty
4623 \global\let\@author\@empty
4624 \global\let\@date\@empty
4625 \global\let\@title\@empty
4626 \global\let\title\relax
4627 \global\let\author\relax
4628 \global\let\date\relax
4629 \global\let\and\relax
4630 }

```

48 File bidicode.sty

```

4631 \NeedsTeXFormat{LaTeX2e}
4632 \ProvidesPackage{bidicode}
4633 \RequirePackage{xcolor}
4634 \RequirePackage{showexpl}
4635 \definecolor{hellgelb}{rgb}{1,1,0.85}
4636 \definecolor{colKeys}{rgb}{0.2,0.4,0.8}
4637 \definecolor{colCS}{rgb}{0.2,0.4,0.8}
4638 \definecolor{colIdentifier}{rgb}{0,0,0}
4639 \definecolor{colComments}{rgb}{1,0,0}
4640 \definecolor{colString}{rgb}{0,0.5,0}
4641 \lstset{%
4642     language=[LaTeX]TeX,%
4643     float=hbp,%
4644     basicstyle=\ttfamily\small,%
4645     identifierstyle=\color{colIdentifier},%
4646     keywordstyle=\color{colKeys},%
4647     texcsstyle=\color{colCS},%
4648     stringstyle=\color{colString},%
4649     commentstyle=\color{colComments},%
4650     backgroundcolor=\color{hellgelb},%
4651     columns=flexible,%
4652     tabsize=4,%
4653     extendedchars=true,%
4654     showspaces=false,%
4655     showstringspaces=false,%
4656     numbers=left,%
4657     numbersep=0.9em,%
4658     numberstyle=\tiny,%
4659     frame=single,%
4660     captionpos=b,%
4661     xleftmargin=1em,%
4662     breaklines=true,%
4663     breakautoindent=false,%
4664     breakindent=0pt,%

```



```

4665     escapeinside=**,%
4666     pos=r,%
4667     explpreset={%
4668         xleftmargin=1em,%
4669         columns=flexible,%
4670         language=[LaTeX]TeX%
4671     },%
4672     moretexcs={%
4673         bididate,%
4674         bidiversion,%
4675         deflatinfont,%
4676         defpersianfont,%
4677         ding,%
4678         endLTR,%
4679         endRTL,%
4680         false,%
4681         falsesymbol,%
4682         junicode,%
4683         lr,%
4684         LR,%
4685         LRE,%
4686         LTR,%
4687         maketitle,%
4688         Nastaliq,%
4689         newfontfamily,%
4690         Parsifont,%
4691         part,%
4692         RL,%
4693         RLE,%
4694         RTL,%
4695         RTLcases,%
4696         SepMark,%
4697         setLR,%
4698         setLTR,%
4699         setRL,%
4700         setRTL,%
4701         settextfont,%
4702         subsection,%
4703         subsubsection,%
4704         tableofcontents,%
4705         text,%
4706         theequation,%
4707         thesection,%
4708         true,%
4709         truesymbol,%
4710         XePersian,%
4711         xepersiandate,%
4712         xepersianversion%
4713     }%
4714 }
4715 \newcommand\HLON{%
4716     \gdef\lst@alloverstyle##1{%
4717         \fboxrule=0pt
4718         \fboxsep=0pt

```



```

4719 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
4720 }}
4721 \newcommand\HLOFF{%
4722 \xdef\lst@alloverstyle##1{##1}%
4723 }
4724 \newcommand\Larg [1]{\normalfont\itshape#1/}
4725 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
4726 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
4727 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
4728 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
4729 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
4730 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
4731
4732 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
4733 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
4734 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`)}
4735 \DeclareRobustCommand\lsb{\normalfont\ttfamily[]}
4736 \DeclareRobustCommand\rsb{\normalfont\ttfamily}}
4737 \DeclareRobustCommand\lrb{\normalfont\ttfamily()}
4738 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}}
4739
4740 \def\Lcs#1{\nxLcs{#1}}
4741 \def\LcsStar#1{\nxLcs{#1}\OptArg*{*}}
4742 \def\nxLcs#1{\texttt{\symbol{92}#1}}
4743
4744 \def\Coordx#1{\$x_{#1}$}
4745 \def\Coordy#1{\$y_{#1}$}
4746 \def\Coordz#1{\$z_{#1}$}
4747 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
4748 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
4749 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
4750 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
4751 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
4752 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
4753 \def\coordin{(\Coordx{n},\kern 1pt\Coordy{n})}
4754 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
4755 \def\coordx#1{(\$x_{#1}$)}
4756 \def\coordy#1{(\$y_{#1}$)}
4757 \def\coordz#1{(\$z_{#1}$)}
4758 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
4759 \def\ciiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
4760
4761 \newsavebox{\boxdef}
4762 \newenvironment{BDef}
4763 {\begin{lrbox}\boxdef
4764 \def\arraystretch{1.0}
4765 \begin{tabular}{@{}l@{}l@{}l@{}}
4766 }
4767 {\end{tabular}\end{lrbox}}
4768
4769 {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
4770 \aftergroup\@afterindentfalse\aftergroup\@afterheading
4771 }
4772

```




```

4773 \newenvironment{BDef*}
4774   {\begin{lrbox}\boxdef
4775     \def\arraystretch{1.0}
4776     \begin{tabular}{@{}l@{}l@{}l@{}}
4777   }
4778   {\end{tabular}\end{lrbox}
4779   {\begin{BCmd*}\fbox{\usebox\boxdef}\end{BCmd*}}
4780   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4781   }
4782 \newenvironment{BCmd*}{
4783   \@beginparpenalty-\@lowpenalty
4784   \topsep\BDefaboveskip
4785   \fboxsep3pt
4786   \flushleft}
4787   {\@endparpenalty\@M
4788   \@topsepadd\BDefbelowskip
4789   \endflushleft}
4790
4791 \newenvironment{BCmd*}{
4792   \@beginparpenalty\@M
4793   \topsep\BDefinlineskip
4794   \fboxsep3pt
4795   \flushleft}
4796   {\@endparpenalty5000
4797   \endflushleft}
4798
4799 \newskip\BDefaboveskip
4800 \newskip\BDefbelowskip
4801 \newskip\BDefinlineskip
4802 \setlength\BDefaboveskip{10pt plus 4pt}
4803 \setlength\BDefbelowskip{6pt}
4804 \setlength\BDefinlineskip{6pt}
4805
4806 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
4807 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
4808 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
4809 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

49 File bidiftnxtra.sty

```

4810 \NeedsTeXFormat{LaTeX2e}
4811 \ProvidesPackage{bidiftnxtra}
4812 \newtoks\bidip@ftn
4813 \let\FN@sf@footnote\footnote
4814 \let\FN@sf@LTRfootnote\LTRfootnote
4815 \let\FN@sf@RTLfootnote\RTLfootnote
4816 \def\footnote{\ifx\protect\@typeset@protect
4817   \expandafter\FN@sf@footnote
4818   \else
4819     \expandafter\FN@sf@gobble@opt
4820   \fi
4821 }
4822 \def\LTRfootnote{\ifx\protect\@typeset@protect
4823   \expandafter\FN@sf@LTRfootnote

```



```

4824 \else
4825 \expandafter\FN@sf@gobble@opt
4826 \fi
4827 }
4828 \def\RTLfootnote{\ifx\protect\@typeset@protect
4829 \expandafter\FN@sf@RTLfootnote
4830 \else
4831 \expandafter\FN@sf@gobble@opt
4832 \fi
4833 }
4834 \edef\FN@sf@gobble@opt{\noexpand\protect
4835 \expandafter\noexpand\csname FN@sf@gobble@opt \endcsname}
4836 \expandafter\def\csname FN@sf@gobble@opt \endcsname{%
4837 \@ifnextchar [%]
4838 \FN@sf@gobble@twobrace
4839 \@gobble
4840 }
4841 \def\FN@sf@gobble@twobrace[#1]#2{}
4842 \let\FN@sf@@footnotemark\footnotemark
4843 \def\footnotemark{\ifx\protect\@typeset@protect
4844 \expandafter\FN@sf@@footnotemark
4845 \else
4846 \expandafter\FN@sf@gobble@optonly
4847 \fi
4848 }
4849 \edef\FN@sf@gobble@optonly{\noexpand\protect
4850 \expandafter\noexpand\csname FN@sf@gobble@optonly \endcsname}
4851 \expandafter\def\csname FN@sf@gobble@optonly \endcsname{%
4852 \@ifnextchar [%]
4853 \FN@sf@gobble@brace
4854 {}%
4855 }
4856 \def\FN@sf@gobble@brace[#1]{}
4857 \def@tabular{%
4858 \leavevmode \hbox \bgroup
4859 \let\@footnotetext\@bidi@p@ftntext
4860 \let\@LTRfootnotetext\@bidi@p@LTRftntext
4861 \let\@RTLfootnotetext\@bidi@p@RTLftntext
4862 \let\@xfootnotenext\@bidi@p@xftntext
4863 \let\@xfootnote\@bidi@p@xfootnote
4864 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4865 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4866 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4867 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4868 \if@RTLtab\beginR \fi
4869 $\let\@acol\@tabacol
4870 \let\@classz\@tabclassz
4871 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
4872 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
4873 \egroup $\if@RTLtab\endR\fi\egroup
4874 \ifx\@captive\@undefined
4875 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
4876 \long\def\@bidi@p@ftntext#1{%
4877 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%

```



```

4878 \global\bidip@ftn\expandafter{\@tempy{#1}}}%
4879 \long\def\bidip@LTRftntext#1{%
4880 \edef\@tempyi{\the\bidip@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}%
4881 \global\bidip@ftn\expandafter{\@tempyi{#1}}}%
4882 \long\def\bidip@RTLftntext#1{%
4883 \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}%
4884 \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
4885
4886
4887 \long\def\bidip@xftntext[#1]#2{%
4888 \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
4889
4890 \long\def\bidip@xLTRftntext[#1]#2{%
4891 \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
4892
4893 \long\def\bidip@xRTLftntext[#1]#2{%
4894 \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
4895
4896
4897 \def\bidip@xfootnote[#1]{%
4898 \begingroup
4899 \csname c@\mpfn\endcsname #1\relax
4900 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4901 \endgroup
4902 \@footnotemark\bidip@xftntext[#1]}
4903
4904
4905 \def\bidip@xLTRfootnote[#1]{%
4906 \begingroup
4907 \csname c@\mpfn\endcsname #1\relax
4908 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4909 \endgroup
4910 \@footnotemark\bidip@xLTRftntext[#1]}
4911
4912
4913 \def\bidip@xRTLfootnote[#1]{%
4914 \begingroup
4915 \csname c@\mpfn\endcsname #1\relax
4916 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4917 \endgroup
4918 \@footnotemark\bidip@xRTLftntext[#1]}
4919
4920 \def\@xfloat #1[#2]{%
4921 \@nodocument
4922 \def \@captive {#1}%
4923 \def \@fps {#2}%
4924 \@onelevel@sanitize \@fps
4925 \def \reserved@b {!}%
4926 \ifx \reserved@b \@fps
4927 \@fpsadddefault
4928 \else
4929 \ifx \@fps \empty
4930 \@fpsadddefault
4931 \fi

```



```

4932 \fi
4933 \ifhmode
4934   \@bsphack
4935   \@floatpenalty -\@Mii
4936 \else
4937   \@floatpenalty-\@Miii
4938 \fi
4939 \ifinner
4940   \@parmoderr\@floatpenalty\z@
4941 \else
4942   \@next\@currbox\@freelist
4943   {%
4944     \@tempcnta \sist@n
4945     \expandafter \tfor \expandafter \reserved@a
4946     \expandafter :\expandafter =\@fps
4947     \do
4948     {%
4949       \if \reserved@a h%
4950         \ifodd \@tempcnta
4951         \else
4952           \advance \@tempcnta \@ne
4953         \fi
4954       \if
4955         \if \reserved@a t%
4956           \@setfpsbit \tw@
4957         \fi
4958         \if \reserved@a b%
4959           \@setfpsbit 4%
4960         \fi
4961         \if \reserved@a p%
4962           \@setfpsbit 8%
4963         \fi
4964         \if \reserved@a !%
4965           \ifnum \@tempcnta>15
4966             \advance\@tempcnta -\sist@n\relax
4967           \fi
4968         \fi
4969       }%
4970     \@tempcntb \csname ftype@\@capttype \endcsname
4971     \multiply \@tempcntb \@xxxii
4972     \advance \@tempcnta \@tempcntb
4973     \global \count\@currbox \@tempcnta
4974   }%
4975 \@fltovf
4976 \fi
4977 \global \setbox\@currbox
4978   \color@vbox
4979     \normalcolor
4980     \vbox \bgroup
4981       \let\@footnotetext\@bidi@p@ftntext
4982       \let\@LTRfootnotetext\@bidi@p@LTRftntext
4983       \let\@RTLfootnotetext\@bidi@p@RTLftntext
4984       \let\@xfootnotenext\@bidi@p@xftntext
4985       \let\@xfootnote\@bidi@p@xfootnote

```



```

4986     \let\@xLTRfootnotenext\@xLTRftntext
4987     \let\@xLTRfootnote\@xLTRfootnote
4988     \let\@xRTLfootnotenext\@xRTLftntext
4989     \let\@xRTLfootnote\@xRTLfootnote
4990     \hsize\columnwidth
4991     \@parboxrestore
4992     \@floatboxreset
4993 }
4994 \def \endfloatbox{%
4995     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
4996     \minipagefalse
4997     \outer@nobreak
4998     \egroup                %% end of vbox
4999     \global\@xL@ftn\@xL@ftn\@xL@ftn\@xL@ftn\@xL@ftn\@xL@ftn\@xL@ftn\@xL@ftn\@xL@ftn\@xL@ftn
5000     \color@endbox
5001 }

```

50 File bidimoderncv.cls

```

5002 \NeedsTeXFormat{LaTeX2e}
5003 \ProvidesClass{bidimoderncv}
5004 \newif\if@DEBUG\@DEBUGfalse
5005 \DeclareOption{a4paper}{
5006     \setlength\paperheight{297mm}
5007     \setlength\paperwidth{210mm}}
5008 \DeclareOption{a5paper}{
5009     \setlength\paperheight{210mm}
5010     \setlength\paperwidth{148mm}}
5011 \DeclareOption{b5paper}{
5012     \setlength\paperheight{250mm}
5013     \setlength\paperwidth{176mm}}
5014 \DeclareOption{letterpaper}{
5015     \setlength\paperheight{11in}
5016     \setlength\paperwidth{8.5in}}
5017 \DeclareOption{legalpaper}{
5018     \setlength\paperheight{14in}
5019     \setlength\paperwidth{8.5in}}
5020 \DeclareOption{executivepaper}{
5021     \setlength\paperheight{10.5in}
5022     \setlength\paperwidth{7.25in}}
5023 \DeclareOption{landscape}{
5024     \setlength\@tempdima{\paperheight}
5025     \setlength\paperheight{\paperwidth}
5026     \setlength\paperwidth{\@tempdima}}
5027 \newcommand\@ptsize{}
5028 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
5029 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
5030 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
5031 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
5032 \DeclareOption{final}{\setlength\overfullrule{0pt}}
5033 \newif\if@colour\@colourtrue
5034 \DeclareOption{nocolour}{\@colourfalse}
5035 \ExecuteOptions{a4paper,11pt,colour,final}
5036 \ProcessOptions\relax

```



```

5037 \input{size1\@ptsize.clo}
5038 \RequirePackage{color}
5039 \RequirePackage{graphicx}
5040 \RequirePackage{ifthen}
5041 \RequirePackage{marvosym}
5042 \addtolength{\oddsidemargin}{-54pt}
5043 \addtolength{\textwidth}{109pt}
5044 \addtolength{\topmargin}{-70pt}
5045 \addtolength{\textheight}{122pt}
5046 \addtolength{\marginparsep}{-5pt}
5047 \addtolength{\marginparwidth}{-10pt}
5048 \RequirePackage{url}
5049 \RequirePackage{hyperref}
5050 \hypersetup{%
5051   breaklinks,
5052   baseurl      = http://,%
5053   pdfborder    = 0 0 0,%
5054   pdfpagemode  = UseNone,%
5055   pdfstartpage = 1}
5056 \AtEndOfClass{%
5057   \AtBeginDocument{%
5058     \hypersetup{%
5059       pdfauthor   = \@firstname~\@familyname,%
5060       pdftitle    = \@title,%
5061       pdfsubject  = \@firstname~\@familyname,%
5062       pdfkeywords = \@resumename~\@firstname~\@familyname}}}
5063 \urlstyle{tt}
5064 \RequirePackage{fancyhdr}
5065 \fancypagestyle{plain}{%
5066   \renewcommand{\headrulewidth}{0pt}
5067   \renewcommand{\footrulewidth}{0pt}
5068   \fancyhf{}}
5069 \pagestyle{plain}
5070 \setlength\lineskip{1\p@}
5071 \setlength\normallineskip{1\p@}
5072 \renewcommand\baselinestretch{}
5073 \setlength{\parindent}{0pt}
5074 \setlength{\parskip}{0pt}
5075 \setlength\columnsep{10\p@}
5076 \setlength\columnseprule{0\p@}
5077 \pagestyle{empty}
5078 \pagenumbering{arabic}
5079 \raggedbottom
5080 \onecolumn
5081 \providecommand*\listitemsymbol{\textbullet}
5082 \providecommand*\addresssymbol{}
5083 \providecommand*\mobilesymbol{\Mobilefone}
5084 \providecommand*\phonesymbol{\Telefon}
5085 \providecommand*\faxsymbol{\FAX}
5086 \providecommand*\emailsymbol{\Letter}
5087 \definecolor{firstnamecolour}{rgb}{0,0,0}
5088 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
5089 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
5090 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}

```



```

5091 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
5092 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
5093 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
5094 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
5095 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
5096 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
5097 \providecommand*\firstnamefont{}
5098 \providecommand*\familynamefont{}
5099 \providecommand*\titlefont{}
5100 \providecommand*\addressfont{}
5101 \providecommand*\quotefont{}
5102 \providecommand*\sectionfont{}
5103 \providecommand*\subsectionfont{}
5104 \providecommand*\hintfont{\small}
5105 \providecommand*\firstnamestyle[1]{\{\firstnamefont\@firstnamecolour#1}}
5106 \providecommand*\familynamestyle[1]{\{\familynamefont\@familynamecolour#1}}
5107 \providecommand*\titlestyle[1]{\{\titlefont\@titlecolour#1}}
5108 \providecommand*\addresstyle[1]{\{\addressfont\@addresscolour#1}}
5109 \providecommand*\quotestyle[1]{\{\quotefont\@quotecolour#1}}
5110 \providecommand*\sectionstyle[1]{\{\sectionfont\@sectiontitlecolour#1}}
5111 \providecommand*\subsectionstyle[1]{\{\subsectionfont\@subsectioncolour#1}}
5112 \providecommand*\hintstyle[1]{\{\hintfont\@hintcolour#1}}
5113 \newcommand*\cvtheme[2] [] {
5114   \def\@cvtheme{#2}
5115   \def\@cvthemeoptions{#1}}
5116 \cvtheme{bidi-casual}
5117 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
5118 \newcommand*\resumename[1]{\def\@resumename{#1}}
5119 \newcommand*\firstname[1]{\def\@firstname{#1}}
5120 \newcommand*\familyname[1]{\def\@familyname{#1}}
5121 \renewcommand*\title[1]{\def\@title{#1}}
5122 \newcommand*\address[1]{\def\@address{#1}}
5123 \newcommand*\mobile[1]{\def\@mobile{#1}}
5124 \newcommand*\phone[1]{\def\@phone{#1}}
5125 \renewcommand*\fax[1]{\def\@fax{#1}}
5126 \newcommand*\email[1]{\def\@email{#1}}
5127 \newcommand*\extrainfo[1]{\def\@extrainfo{#1}}
5128 \def\@photowidth{Opt}
5129 \newcommand*\photo[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
5130 \newcommand*\quote[1]{\def\@quote{#1}}
5131 \newlength{\quotewidth}
5132 \newlength{\hintscolumnwidth}
5133 \newlength{\separatorcolumnwidth}
5134 \setlength{\separatorcolumnwidth}{0.025\textwidth}
5135 \newlength{\maincolumnwidth}
5136 \newlength{\doubleitemmaincolumnwidth}
5137 \newlength{\listitemsymbolwidth}
5138 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
5139 \newlength{\listitemmaincolumnwidth}
5140 \newlength{\listdoubleitemmaincolumnwidth}
5141 \newcommand*\recomputethemelengths{}
5142 \newcommand*\recomputelengths{%
5143 \setlength{\quotewidth}{0.65\textwidth}}%
5144 \setlength{\maincolumnwidth}{\textwidth}%

```



```

5145 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
5146 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
5147 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
5148 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
5149 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
5150 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
5151 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
5152 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
5153 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
5154 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
5155 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
5156 \renewcommand{\headwidth}{\textwidth}%
5157 \recomputethemelengths}
5158 \setlength{\hintscolumnwidth}{0.15\textwidth}
5159 \recomputelengths
5160 \title{}
5161 \renewcommand*\maketitle{}
5162 \newcommand*\section}[1]{%
5163 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
5164 \phantomsection}%
5165 \addcontentsline{toc}{part}{#1}%
5166 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
5167 \hspace{\separatorcolumnwidth}%
5168 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\ [1ex]}
5169 \newcommand*\subsection}[1]{%
5170 \cvline[0.45em]{}\{\subsectionstyle{#1}}\}
5171 \newcommand*\cvline}[3][.25em]{%
5172 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwid
5173 \bidi@raggedleft\hintfont{#2} &{#3}%
5174 \end{tabular}}\ [#1]}
5175 \newcommand*\cvdoubleitem}[4]{%
5176 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
5177 \hfill%
5178 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{
5179 \newcommand*\cvlistitem}[2][\listitemsymbol{}]{%
5180 \cvline[0pt]{}\{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}\}
5181 \newcommand*\cvlistdoubleitem}[3][\listitemsymbol{}]{%
5182 \cvline[0pt]{}\{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
5183 \hfill%
5184 \ifthenelse{\equal{#3}{}}%
5185 {}%
5186 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}\}
5187 \newcommand*\cventry}[6]{%
5188 \cvline{#1}{%
5189 {\bfseries#2}%
5190 \ifx#3\else{, {\slshape#3}}\fi%
5191 \ifx#4\else{, #4}\fi%
5192 \ifx#5\else{, #5}\fi%
5193 .%
5194 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
5195 }%
5196 \newcommand*\cvlanguage}[3]{%
5197 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{
5198 \newcommand*\cvcomputer}[4]{%

```




```

5199 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}
5200 \newcommand*{\link}[2] [] {%
5201 \ifthenelse{\equal{#1}{}}{%
5202   {\href{#2}{#2}}%
5203   {\href{#2}{#1}}}
5204 \newcommand*{\httplink}[2] [] {%
5205 \ifthenelse{\equal{#1}{}}{%
5206   {\href{http://#2}{#2}}%
5207   {\href{http://#2}{#1}}}
5208 \newcommand*{\emaillink}[2] [] {%
5209 \ifthenelse{\equal{#1}{}}{%
5210   {\href{mailto:#2}{#2}}%
5211   {\href{mailto:#2}{#1}}}
5212 \newif\if@displaypagenumbers\@displaypagenumberstrue
5213 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
5214 \AtBeginDocument{%
5215 \if@displaypagenumbers%
5216 \ifundefined{r@lastpage}{-}{%
5217 \ifthenelse{\pageref{lastpage} > 1}{%
5218 \fancypagestyle{plain}{%
5219 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pa
5220 \pagestyle{plain}}}{}}%
5221 \AtEndDocument{\label{lastpage}}%
5222 \fi}
5223 \newlength{\bibindent}
5224 \setlength{\bibindent}{1.5em}
5225 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
5226 \newenvironment{thebibliography}[1]{%
5227   {%
5228     \section{\refname}%
5229     \small%
5230     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5231     \bidi@thebibliography@font@hook%
5232     \begin{list}{\bibliographyitemlabel}%
5233       {%
5234         \setlength{\topsep}{0pt}%
5235         \setlength{\labelwidth}{\hintscolumnwidth}%
5236         \setlength{\labelsep}{\separatorcolumnwidth}%
5237         \leftmargin\labelwidth%
5238         \advance\leftmargin\labelsep%
5239         \@openbib@code%
5240         \usecounter{enumiv}%
5241         \let\p@enumiv\@empty%
5242         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
5243       \sloppy\clubpenalty4000\widowpenalty4000%
5244     }%
5245     {%
5246       \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
5247       \end{list}%
5248     }
5249 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
5250 \let\@openbib@code\@empty

```



51 File bidi-perpage.sty

```
5251 \NeedsTeXFormat{LaTeX2e}
5252 \ProvidesPackage{bidi-perpage}[2025/09/15 v0.5 Reset counter(s) on every page]
5253 \newcommand*{\bidi@checkvlist}{%
5254   \ifcase
5255     \ifvmode
5256       \ifx\lastnodetype\bidi@undefined
5257         \ifdim-\@m\p@=\prevdepth
5258           \ifdim\lastskip=\z@
5259             \ifnum\lastpenalty=\z@
5260               \@ne
5261             \fi
5262           \fi
5263         \fi
5264       \else
5265         \ifnum\lastnodetype=\m@ne
5266           \@ne
5267         \fi
5268       \fi
5269     \fi
5270   \z@
5271 \or
5272   \PackageWarning{bidi-perpage}{%
5273     `string\stepcounter' is probably at the beginning of vertical
5274     list.
5275     You may need to use `string\leavevmode' before it to avoid
5276     vertical shifts%
5277   }%
5278 \fi
5279 }
5280 \newcount\bidi@page@count
5281 \bidi@page@count\@ne
5282 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
5283   \if@bidi@csundef{bidi@stepcounterhook@#2}{%
5284     \expandafter\gdef\csname bidi@stepcounterhook@#2\endcsname{}%
5285   }{}%
5286   \if@bidi@csundef{if@bidi@reset@#2@rerun}{%
5287     \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
5288   }{}%
5289   \if@bidi@csundef{bidi@#2@count}{%
5290     \expandafter\newcount\csname bidi@#2@count\endcsname
5291   }{}%
5292   \csname bidi@#2@count\endcsname\z@
5293   \if@bidi@csundef{bidi@previous@page@#2@count}{%
5294     \expandafter\newcount\csname
5295       bidi@previous@page@#2@count\endcsname
5296   }{}%
5297   \csname bidi@previous@page@#2@count\endcsname\z@
5298   \if@bidi@csundef{bidi@reset@#2@perpage}{%
5299     \bidi@AfterEndDocumentCheckLabelsRerun{%
5300       \csname if@bidi@reset@#2@rerun\endcsname
5301       \PackageWarningNoLine{bidi-perpage}{%
5302         Counter `#2' may not have been reset per page.
```



```

5303         Rerun to reset counter `#2' per page%
5304     }%
5305     \fi
5306 }%
5307 }{}%
5308 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
5309     \global\advance\csname bidi@#2@count\endcsname\@ne
5310     \if@filesw
5311         \edef\@tempa{%
5312             \write\@auxout{%
5313                 \string\bidi@counter@page{#2}%
5314                 {\number\csname bidi@#2@count\endcsname}%
5315                 {\noexpand\number\noexpand\bidi@page@count}%
5316             }%
5317         }%
5318     \bidi@checkvlist
5319     \dimen@=\lastkern
5320     \ifdim\dimen@=\z@
5321     \else
5322         \unkern
5323     \fi
5324     \count@=\lastpenalty
5325     \@tempa
5326     \ifdim\dimen@=\z@
5327         \penalty
5328         \ifnum\count@<\@M
5329             \@M
5330         \else
5331             \count@
5332         \fi
5333     \else
5334         \kern\dimen@
5335     \fi
5336 \fi
5337 \begingroup\expandafter\expandafter\expandafter\endgroup
5338 \expandafter\ifx\csname bidi@#2@\number\csname
5339     bidi@#2@count\endcsname\endcsname\relax
5340     \global\csname @bidi@reset@#2@reruntrue\endcsname
5341 \else
5342     \global\csname @bidi@reset@#2@rerunfalse\endcsname
5343     \expandafter\@tempcnta\csname bidi@#2@\number
5344     \csname bidi@#2@count\endcsname\endcsname\relax
5345     \ifnum\@tempcnta=\csname
5346     bidi@previous@page@@#2@count\endcsname
5347     \else
5348         \global\csname
5349     bidi@previous@page@@#2@count\endcsname\@tempcnta
5350     \global\csname c@#2\endcsname#1\relax
5351 \fi
5352 \fi
5353 }%
5354 \expandafter\bidi@gappto\csname
5355     bidi@stepcounterhook@@#2\endcsname{%
5356     \csname bidi@reset@#2@perpage\endcsname

```



```

5357 }%
5358 }
5359 \def\ bidi@counter@page#1#2#3{\ bidi@namegdef{\ bidi@#1@#2}{#3}}
5360 \ bidi@AtEndOutputPage{%
5361   \ global\ advance\ bidi@page@count\@ne
5362 }

```

52 File biditools.sty

```

5363 \NeedsTeXFormat{LaTeX2e}
5364 \ProvidesPackage{biditools}[2025/02/02 v2.7 Programming tools for bidi package]
5365 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
5366   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
5367   \ifx\@tempa\@tempb \ global\let#2#1%
5368   \else
5369     \edef\@tempb{\meaning#2}%
5370     \ifx\@tempa\@tempb
5371     \else
5372       \@latex@error{Unable to properly define \string#2; primitive
5373         \noexpand#1no longer primitive}\@eha
5374     \fi
5375   \fi
5376   \endgroup}
5377 \newtoks\@bidi@envbody
5378 \newtoks\@bidi@emptytoks
5379 \def\ bidi@addto@envbody#1{\ global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5380 \def\ bidi@collect@body#1{%
5381   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5382   \edef\ bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentenv}}%
5383   \@bidi@envbody\@bidi@emptytoks \def\ begin@bidi@stack{b}%
5384   \begingroup
5385   \expandafter\let\csname\@currentenv\endcsname\ bidi@collect@@body
5386   \edef\ bidi@process@envbody{\expandafter\noexpand\csname\@currentenv\endcsname}%
5387   \ bidi@process@envbody
5388 }
5389 \def\ bidi@push@begins#1\ begin#2{%
5390   \ifx\end#2\else b\expandafter\ bidi@push@begins\fi
5391 }
5392 \def\ bidi@collect@@body#1\end#2{%
5393   \edef\ begin@bidi@stack{\ bidi@push@begins#1\ begin\end \expandafter\@gobble\ begin@bidi@stack}
5394   \ifx\@empty\ begin@bidi@stack
5395     \endgroup
5396     \@checkend{#2}%
5397     \ bidi@addto@envbody{#1}%
5398   \else
5399     \ bidi@addto@envbody{#1\end{#2}}%
5400   \fi
5401   \ bidi@process@envbody % A little tricky! Note the grouping
5402 }
5403 \long\def\ bidi@addto@long@envbody#1{\ global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5404 \long\def\ bidi@collect@long@body#1{%
5405   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5406   \edef\ bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentenv}}%
5407   \@bidi@envbody\@bidi@emptytoks \def\ begin@bidi@stack{b}%

```



```

5408 \begingroup
5409 \expandafter\let\csname\@currentvir\endcsname\ bidi@collect@long@body
5410 \edef\ bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
5411 \ bidi@process@envbody
5412 }
5413 \long\def\ bidi@push@long@begins#1\begin#2{%
5414 \ifx\end#2\else b\expandafter\ bidi@push@long@begins\fi
5415 }
5416 \long\def\ bidi@collect@long@@body#1\end#2{%
5417 \edef\begin@ bidi@stack{\ bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@ bidi
5418 \ifx\@empty\begin@ bidi@stack
5419 \endgroup
5420 \@checkend{#2}%
5421 \ bidi@addto@long@envbody{#1}%
5422 \else
5423 \ bidi@addto@long@envbody{#1\end{#2}}%
5424 \fi
5425 \ bidi@process@envbody % A little tricky! Note the grouping
5426 }
5427 \long\def\ bidi@new@ifnextchar#1#2#3{%
5428 \let\reserved@d= #1%
5429 \def\reserved@a{#2}\def\reserved@b{#3}%
5430 \futurelet\@let@token\ bidi@new@ifnch
5431 }
5432 \def\ bidi@new@ifnch{%
5433 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
5434 \reserved@b
5435 }
5436 \def\ bidi@matrix@check#1{%
5437 \expandafter\ifx\csname\@currentvir\endcsname#1%
5438 \else\ bidi@matrix@error#1%
5439 \expandafter\@gobble
5440 \fi
5441 }
5442 \def\ bidi@matrix@error#1{%
5443 \PackageError{biditools}{%
5444 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
5445 }{%
5446 '\string#1{...}' is old bidi package syntax whose use is
5447 ill-advised in the old versions of bidi package.%
5448 }%
5449 }
5450 \def\eqnewif#1#2{%
5451 \count@\escapechar \escapechar\m@ne
5452 \let#1\iffalse
5453 \let#2\iffalse
5454 \eq@if#1#2\iftrue
5455 \eq@if#1#2\iffalse
5456 \escapechar\count@}
5457 \def\eq@if#1#2#3{%
5458 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
5459 \expandafter\@gobbletwo\string#3\endcsname
5460 {\let#1#3%
5461 \let#2#3}%

```



```

5462 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5463         \expandafter@gobbletwo\string#3\endcsname
5464         {\let#2#3%
5465         \let#1#3}}
5466 \def\noteqnewif#1#2{%
5467 \count@\escapechar \escapechar\m@ne
5468 \let#1\iffalse
5469 \let#2\iffalse
5470 \not@eq@if#1#2\iftrue\iffalse
5471 \escapechar\count@}
5472 \def\not@eq@if#1#2#3#4{%
5473 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5474         \expandafter@gobbletwo\string#3\endcsname
5475         {\let#1#3%
5476         \let#2#4}%
5477 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5478         \expandafter@gobbletwo\string#4\endcsname
5479         {\let#1#4%
5480         \let#2#3}%
5481 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5482         \expandafter@gobbletwo\string#3\endcsname
5483         {\let#2#3%
5484         \let#1#4}%
5485 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5486         \expandafter@gobbletwo\string#4\endcsname
5487         {\let#2#4%
5488         \let#1#3}}
5489 \newcommand*\SetBoolean}[2]{%
5490 \lowercase{\def\@tempa{#2}}%
5491 \@ifundefined{@tempa\@tempa}%
5492 {\PackageError{biditools}%
5493 {You can only set a boolean to `true' or `false'}\@ehc}%
5494 {\@ifundefined{#1\@tempa}%
5495 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5496 {\csname#1\@tempa\endcsname}}}
5497 \newcommand*\GlobalSetBoolean}[2]{%
5498 \lowercase{\def\@tempa{#2}}%
5499 \@ifundefined{@tempa\@tempa}%
5500 {\PackageError{biditools}%
5501 {You can only set a boolean to `true' or `false'}\@ehc}%
5502 {\@ifundefined{#1\@tempa}%
5503 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5504 {\global\csname#1\@tempa\endcsname}}}
5505 \newcommand*\SetatBoolean}[2]{%
5506 \lowercase{\def\@tempa{#2}}%
5507 \@ifundefined{@tempa\@tempa}%
5508 {\PackageError{biditools}%
5509 {You can only set a boolean to `true' or `false'}\@ehc}%
5510 {\@ifundefined{@#1\@tempa}%
5511 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5512 {\csname @#1\@tempa\endcsname}}}
5513 \newcommand*\GlobalSetatBoolean}[2]{%
5514 \lowercase{\def\@tempa{#2}}%
5515 \@ifundefined{@tempa\@tempa}%

```



```

5516 {\PackageError{biditools}%
5517   {You can only set a boolean to `true' or `false'}\@ehc}%
5518 {\@ifundefined{@#1\@tempa}%
5519   {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5520   {\global\csname @#1\@tempa\endcsname}}}
5521 \def\@bidi@removefromreset#1#2{%
5522   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
5523   \def\@elt##1{%
5524     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
5525     \else
5526       \noexpand\@elt{##1}%
5527     \fi}%
5528   \expandafter\xdef\csname cl@#2\endcsname{%
5529     \csname cl@#2\endcsname}}}
5530 \newcommand*\@ifRtoL{%
5531   \if@RTL
5532     \expandafter\@firstoftwo
5533   \else
5534     \expandafter\@secondoftwo
5535   \fi}
5536 \newcommand*\@ifLtoR{%
5537   \if@RTL
5538     \expandafter\@secondoftwo
5539   \else
5540     \expandafter\@firstoftwo
5541   \fi}
5542 \newcommand*\@ifRtoLtable{%
5543   \if@RTLtab
5544     \expandafter\@firstoftwo
5545   \else
5546     \expandafter\@secondoftwo
5547   \fi}
5548 \newcommand*\@ifLtoRtable{%
5549   \if@RTLtab
5550     \expandafter\@secondoftwo
5551   \else
5552     \expandafter\@firstoftwo
5553   \fi}
5554 \newcommand*\@ifRtoLhboxconstruct{%
5555   \if@hboxRconstruct
5556     \expandafter\@firstoftwo
5557   \else
5558     \expandafter\@secondoftwo
5559   \fi}
5560 \newcommand*\@ifLtoRhboxconstruct{%
5561   \if@hboxRconstruct
5562     \expandafter\@secondoftwo
5563   \else
5564     \expandafter\@firstoftwo
5565   \fi}
5566 \newcommand*\@iflatin{%
5567   \if@nonlatin
5568     \expandafter\@secondoftwo
5569   \else

```



```

5570     \expandafter\@firstoftwo
5571     \fi}
5572 \newcommand*\ifnonlatin}{%
5573     \ifnonlatin
5574     \expandafter\@firstoftwo
5575     \else
5576     \expandafter\@secondoftwo
5577     \fi}
5578
5579 \newcommand*\bidi@convert@dimen@t@unit}[2]{%
5580     \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
5581
5582 \newcommand*\bidi@convert@dimen@t@pt}[1]{%
5583     \dimexpr #1*65536/\dimexpr 1pt\relax}
5584
5585 \newcommand*\IfPackageVersionAtLeastTF}[1]{%
5586     \expandafter\@if@ver@pkg@least\csname #1@version\endcsname
5587 }
5588 \newcommand*\@if@ver@pkg@least}[2]{%
5589     \ifnum\expandafter\bidi@parse@ver@#100\@nil<\expandafter\bidi@parse@ver@#200\@nil
5590     \expandafter\@secondoftwo
5591     \else
5592     \expandafter\@firstoftwo
5593     \fi
5594 }
5595 \newcommand*\bidi@parse@ver@[1]{\bidi@parse@ver0#1}
5596 \def\bidi@parse@ver#1.#2.#3#4#5\@nil{%
5597     \if\relax#2\relax\else#1\fi#2#3#4
5598 }
5599 \newcommand*\IfPackageVersionAtMostTF}[1]{%
5600     \expandafter\@if@ver@pkg@most\csname #1@version\endcsname
5601 }
5602 \newcommand*\@if@ver@pkg@most}[2]{%
5603     \ifnum\expandafter\bidi@parse@ver@#100\@nil>\expandafter\bidi@parse@ver@#200\@nil
5604     \expandafter\@secondoftwo
5605     \else
5606     \expandafter\@firstoftwo
5607     \fi
5608 }
5609 \newcommand*\IfPackageVersionTF}[1]{%
5610     \expandafter\@if@ver@pkg@\csname #1@version\endcsname
5611 }
5612 \newcommand*\@if@ver@pkg@[2]{%
5613     \ifnum\expandafter\bidi@parse@ver@#100\@nil=\expandafter\bidi@parse@ver@#200\@nil
5614     \expandafter\@firstoftwo
5615     \else
5616     \expandafter\@secondoftwo
5617     \fi
5618 }
5619
5620 \newcommand*\if@bidi@csdef}[1]{%
5621     \ifcsname#1\endcsname
5622     \expandafter\@firstoftwo
5623     \else

```




```

5624 \expandafter\@secondoftwo
5625 \fi}
5626 \newcommand*\if@bidi@csundef}[1]{%
5627 \ifcsname#1\endcsname
5628 \expandafter\ifx\csname#1\endcsname\relax
5629 \expandafter\expandafter
5630 \expandafter\@firstoftwo
5631 \else
5632 \expandafter\expandafter
5633 \expandafter\@secondoftwo
5634 \fi
5635 \else
5636 \expandafter\@firstoftwo
5637 \fi}
5638 \newcommand\if@bidi@def}[1]{%
5639 \ifdefined#1%
5640 \expandafter\@firstoftwo
5641 \else
5642 \expandafter\@secondoftwo
5643 \fi}
5644 \newcommand\if@bidi@undef}[1]{%
5645 \ifdefined#1%
5646 \ifx#1\relax
5647 \expandafter\expandafter
5648 \expandafter\@firstoftwo
5649 \else
5650 \expandafter\expandafter
5651 \expandafter\@secondoftwo
5652 \fi
5653 \else
5654 \expandafter\@firstoftwo
5655 \fi}
5656 \newcommand\if@bidi@blank}[1]{% from url.sty
5657 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
5658 \long\def\bidi@ifblank@i#1#2&#3#4#5:#{#4}
5659 \newcommand\bidi@notblank}[1]{%
5660 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
5661 \newcommand\if@bidi@defmacro}{%
5662 \long\edef\if@bidi@defmacro#1{%
5663 \noexpand\expandafter\noexpand\bidi@ifdefmacro
5664 \noexpand\meaning#1\detokenize{macro}:&}
5665 \edef\bidi@ifdefmacro{%
5666 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
5667 \bidi@ifdefmacro{\bidi@notblank{#2}}
5668 \newcommand*\if@bidi@csmacro}[1]{%
5669 \if@bidi@csdef{#1}
5670 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
5671 {\@secondoftwo}}
5672 \newcommand\if@bidi@defprimitive}[1]{%
5673 \ifprimitive#1%
5674 \expandafter\@firstoftwo
5675 \else
5676 \expandafter\@secondoftwo
5677 \fi}

```



```

5678 \newcommand{\if@bidi@csprimitive}[1]{%
5679 \begingroup\expandafter\expandafter\expandafter\endgroup%
5680 \expandafter\ifprimitive\csname#1\endcsname%
5681 \expandafter\@firstoftwo
5682 \else
5683 \expandafter\@secondoftwo
5684 \fi}
5685 \newcommand*{\bidi@csdefcs}[2]{%
5686 \expandafter\@ifdefinable \csname#1\endcsname{%
5687 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
5688 \newcommand*{\bidi@csletcs}[2]{%
5689 \expandafter\@ifdefinable \csname#1\endcsname{%
5690 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
5691 \newcommand*{\bidi@cslet}[2]{%
5692 \expandafter\@ifdefinable \csname#1\endcsname{%
5693 \expandafter\let\csname#1\endcsname#2}}
5694 \newcommand{\bidi@namelongdef}[1]{%
5695 \long\expandafter\def\csname #1\endcsname}
5696 \newcommand{\bidi@namelonggdef}[1]{%
5697 \long\expandafter\gdef\csname #1\endcsname}
5698 \newcommand{\bidi@namelongedef}[1]{%
5699 \long\expandafter\edef\csname #1\endcsname}
5700 \newcommand{\bidi@namelongxdef}[1]{%
5701 \long\expandafter\xdef\csname #1\endcsname}
5702 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
5703 \def\bidi@ensure@new@command#1{%
5704 \begingroup \escapechar\m@ne\xdef\@tempa{\string#1}\endgroup
5705 \expandafter\if@bidi@csundef\@tempa
5706 {\new@command#1}{\relax%
5707 \let\@ifdefinable\@rc@ifdefinable%
5708 \new@command#1}}
5709 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}}
5710
5711 \protected\def\bidi@error{\PackageError{bidi}}
5712 \protected\def\bidi@warning{\PackageWarning{bidi}}
5713 \protected\def\bidi@warningnoline{\PackageWarningNoLine{bidi}}
5714 \protected\def\bidi@info{\PackageInfo{bidi}}
5715
5716 \def\bidi@pos#1#2#3#4{\bidi@namegdef\bidi@#1pos@@#2@#3}{#4}}
5717
5718 \newcount\bidi@poscount
5719
5720 \newcommand*{\WriteStartXPostoaux}{%
5721 \global\advance\bidi@poscount\@ne
5722 \edef\@tempa{%
5723 \write\@auxout{%
5724 \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflast
5725 }%
5726 }%
5727 \ifvmode
5728 \leavevmode
5729 \fi
5730 \if@RTL
5731 \if@filesw

```



```

5732 \@tempa
5733 \fi
5734 \pdfsavepos
5735 \else
5736 \pdfsavepos
5737 \if@filesw
5738 \@tempa
5739 \fi
5740 \fi
5741 \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
5742     \PackageWarningNoLine{biditools}{%
5743         The start x position `\

```



```

5786 \@tempa
5787 \fi
5788 \pdfsavepos
5789 \else
5790 \pdfsavepos
5791 \if@filesw
5792 \@tempa
5793 \fi
5794 \fi
5795 \if@bidi@csundef{bidi@ypos@@start@number\bidi@poscount}{%
5796     \PackageWarningNoLine{biditools}{%
5797         The start y position `number\bidi@poscount' is not known yet.
5798         Rerun to get this y position%
5799     }%
5800 }{}%
5801 }
5802
5803 \newcommand*\WriteEndYPostoaux{%
5804     \edef\@tempa{%
5805         \write\@auxout{%
5806             \string\bidi@pos{y}{end}{number\bidi@poscount}{noexpand\number\noexpand\pdflast
5807         }%
5808     }%
5809 \if@RTL
5810     \if@filesw
5811         \@tempa
5812     \fi
5813 \pdfsavepos
5814 \else
5815 \pdfsavepos
5816 \if@filesw
5817     \@tempa
5818 \fi
5819 \fi
5820 \if@bidi@csundef{bidi@ypos@@end@number\bidi@poscount}{%
5821     \PackageWarningNoLine{biditools}{%
5822         The end y position `number\bidi@poscount' is not known yet.
5823         Rerun to get this y position%
5824     }%
5825 }{}%
5826 }
5827
5828 \newcommand*\WriteStartXYPostoaux{%
5829     \global\advance\bidi@poscount\@ne
5830     \edef\@tempa{%
5831         \write\@auxout{%
5832             \string\bidi@pos{x}{start}{number\bidi@poscount}{noexpand\number\noexpand\pdflast
5833         }%
5834         \write\@auxout{%
5835             \string\bidi@pos{y}{start}{number\bidi@poscount}{noexpand\number\noexpand\pdflast
5836         }%
5837     }%
5838 \ifvmode
5839     \leavevmode

```



```

5840     \fi
5841   \if@RTL
5842     \if@filesw
5843       \@tempa
5844     \fi
5845   \pdfsavepos
5846   \else
5847   \pdfsavepos
5848   \if@filesw
5849     \@tempa
5850   \fi
5851   \fi
5852   \if@bidi@csundef{bidi@xpos@@start@number\bidi@poscount}{%
5853     \PackageWarningNoLine{biditools}{%
5854       The start x position `number\bidi@poscount' is not known yet.
5855       Rerun to get this x position%
5856     }%
5857 }-%
5858   \if@bidi@csundef{bidi@ypos@@start@number\bidi@poscount}{%
5859     \PackageWarningNoLine{biditools}{%
5860       The start y position `number\bidi@poscount' is not known yet.
5861       Rerun to get this y position%
5862     }%
5863 }-%
5864 }
5865
5866 \newcommand*{\WriteEndXYPostoaux}{%
5867   \edef\@tempa{%
5868     \write\@auxout{%
5869       \string\bidi@pos{x}{end}{number\bidi@poscount}{\noexpand\number\noexpand\pdflast
5870     }%
5871     \write\@auxout{%
5872       \string\bidi@pos{y}{end}{number\bidi@poscount}{\noexpand\number\noexpand\pdflast
5873     }%
5874   }%
5875   \if@RTL
5876     \if@filesw
5877       \@tempa
5878     \fi
5879   \pdfsavepos
5880   \else
5881   \pdfsavepos
5882   \if@filesw
5883     \@tempa
5884   \fi
5885   \fi
5886   \if@bidi@csundef{bidi@xpos@@end@number\bidi@poscount}{%
5887     \PackageWarningNoLine{biditools}{%
5888       The end x position `number\bidi@poscount' is not known yet.
5889       Rerun to get this x position%
5890     }%
5891 }-%
5892   \if@bidi@csundef{bidi@ypos@@end@number\bidi@poscount}{%
5893     \PackageWarningNoLine{biditools}{%

```



```

5894         The end y position '\number\bidiposcount' is not known yet.
5895         Rerun to get this y position%
5896     }%
5897 }{}%
5898 }
5899
5900 \newcommand*\currentposxwidth}{%
5901   \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{\z@}
5902   {%
5903     \ifnum\csname bidi@xpos@@start@\number\bidiposcount
5904     \endcsname < \csname bidi@xpos@@end@\number\bidiposcount
5905     \endcsname
5906     \dimexpr \csname bidi@xpos@@end@\number\bidiposcount
5907     \endcsname sp - \csname bidi@xpos@@start@\number\bidiposcount
5908     \endcsname sp\relax
5909   \else
5910     \dimexpr \csname bidi@xpos@@start@\number\bidiposcount
5911     \endcsname sp - \csname bidi@xpos@@end@\number\bidiposcount
5912     \endcsname sp\relax
5913   \fi
5914   }%
5915 }
5916
5917 \newcommand*\currentposyheight}{%
5918   \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{\z@}
5919   {%
5920     \dimexpr \csname bidi@ypos@@start@\number\bidiposcount
5921     \endcsname sp - \csname bidi@ypos@@end@\number\bidiposcount
5922     \endcsname sp\relax
5923   }%
5924 }
5925
5926
5927
5928 \newcommand*\setbaselineskip}[1]{%
5929   \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
5930   \selectfont
5931 }
5932
5933
5934 \newcommand*\bidi@newrobustcmd}{%
5935 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
5936
5937 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
5938
5939 \def\bidi@newcommand#1[#2]{%
5940   \@ifnextchar [%]
5941     {\bidi@xargdef#1[#2]}
5942     {\ifx\l@ngrel@x\relax
5943       \let\l@ngrel@x\protected
5944     \else
5945       \protected\def\l@ngrel@x{\protected\long}%
5946     \fi
5947     \@argdef#1[#2]}}

```



```

5948
5949 \long\def\bidixargdef#1[#2][#3]#4{%
5950   \@ifdefinable#1{%
5951     \expandafter\protected
5952     \expandafter\def
5953     \expandafter#1%
5954     \expandafter{%
5955       \expandafter\@testopt
5956       \csname\string#1\endcsname{#3}}%
5957     \expandafter\@yargdef\csname\string#1\endcsname\tw#{2}#{4}}
5958
5959 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
5960
5961 \def\bidi@renew@command#1{%
5962   \if@bidi@undef{#1}
5963     {\bidi@error{\string#1 undefined}\@ehc}
5964     }%
5965   \let\@ifdefinable\@rc@ifdefinable
5966   \bidi@new@command#1}
5967
5968
5969
5970 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
5971
5972 \def\bidi@provide@command#1{%
5973   \if@bidi@undef{#1}
5974     {\def\reserved@a{\bidi@new@command#1}}
5975     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
5976   \reserved@a}
5977
5978 \newcommand*{\bidi@csuse}[1]{%
5979   \ifcsname#1\endcsname
5980     \csname#1\expandafter\endcsname
5981     \fi}
5982
5983 \newcommand{\bidi@expandonce}[1]{%
5984   \unexpanded\expandafter{#1}}
5985
5986 \def\bidi@protected{%
5987   \let\@@protect\protect
5988   \let\protect\@unexpandable@protect
5989   \afterassignment\restore@protect}
5990
5991 \bidi@newrobustcmd{\bidi@appto}[2]{%
5992   \if@bidi@undef{#1}
5993     {\edef#1{\unexpanded{#2}}}
5994     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}
5995 \bidi@newrobustcmd{\bidi@eappto}[2]{%
5996   \if@bidi@undef{#1}
5997     {\edef#1{#2}}
5998     {\edef#1{\bidi@expandonce#1#2}}}
5999 \bidi@newrobustcmd{\bidi@gappto}[2]{%
6000   \if@bidi@undef{#1}
6001     {\xdef#1{\unexpanded{#2}}}

```



```

6002     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
6003 \bidi@newrobustcmd{\bidi@xappto}[2]{%
6004   \if@bidi@undef{#1}
6005     {\xdef#1{#2}}
6006     {\xdef#1{\bidi@expandonce#1#2}}}}
6007
6008 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
6009 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
6010
6011
6012
6013 \bidi@newrobustcmd{\bidi@preto}[2]{%
6014   \if@bidi@undef{#1}
6015     {\edef#1{\unexpanded{#2}}}
6016     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
6017 \bidi@newrobustcmd{\bidi@epreto}[2]{%
6018   \if@bidi@undef{#1}
6019     {\edef#1{#2}}
6020     {\edef#1{#2\bidi@expandonce#1}}}
6021 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
6022   \if@bidi@undef{#1}
6023     {\xdef#1{\unexpanded{#2}}}
6024     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
6025 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
6026   \if@bidi@undef{#1}
6027     {\xdef#1{#2}}
6028     {\xdef#1{#2\bidi@expandonce#1}}}
6029
6030 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
6031 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
6032
6033
6034
6035 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
6036 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
6037 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
6038 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
6039 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
6040 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
6041
6042
6043
6044 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
6045 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
6046 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
6047 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
6048 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
6049 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
6050
6051
6052
6053 \bidi@newrobustcmd{\if@bidi@patchable}{%
6054   \bidi@dbg@trce\if@bidi@patchable
6055   \begingroup

```




```

6056 \@makeother\#%
6057 \@ifstar\bidipatchable@i\bidipatchable}
6058
6059 \long\def\bidipatchable#1#2{%
6060 \endgroup
6061 \bididbg@init#1%
6062 \if@bididef{#1}
6063   {\bididbg@fail{def}\@secondoftwo}
6064   {\bididbg@info{def}%
6065     \if@bididefmacro{#1}
6066       {\bididbg@info{mac}%
6067         \bidifscanable{#1}
6068           {\bidifhashcheck{#2}
6069             {\bididbg@info{tok}%
6070               \bidipattern#1{#2}
6071                 {\bididbg@info{pat}%
6072                   \bididbg@info{pos}\@firstoftwo}
6073                   {\bididbg@fail{pat}\@secondoftwo}}}
6074                 {\bididbg@fail{hsh}\@secondoftwo}}}
6075                 {\bididbg@fail{tok}\@secondoftwo}}}
6076                 {\bididbg@fail{mac}\@secondoftwo}}}}
6077
6078 \long\def\bidipatchable@i#1{%
6079 \endgroup
6080 \bididbg@init#1%
6081 \if@bididef{#1}
6082   {\bididbg@fail{def}\@secondoftwo}
6083   {\bididbg@info{def}%
6084     \if@bididefmacro{#1}
6085       {\bididbg@info{mac}%
6086         \if@bididefparam{#1}
6087           {\bididbg@info{prm}%
6088             \bidifscanable{#1}
6089               {\bididbg@info{tok}%
6090                 \bididbg@info{pos}\@firstoftwo}
6091                 {\bididbg@fail{tok}\@secondoftwo}}}
6092               {\bididbg@info{prl}%
6093                 \if@bididefprotected{#1}
6094                   {\bididbg@info{pro}}
6095                   {}%
6096                 \bididbg@info{pos}\@firstoftwo}}}
6097               {\bididbg@fail{mac}\@secondoftwo}}}}
6098
6099 \bidinewrobustcmd*{\bidipatchcmd}{%
6100 \bididbg@trce\bidipatchcmd
6101 \begingroup
6102 \@makeother\#%
6103 \bidid@patchcmd}
6104
6105 \newcommand{\bidid@patchcmd}[4][#####1]{%
6106 \bidipatchable#2{#3}
6107   {\bididbg@succ{ret}%
6108   \begingroup
6109   \edef\bidiresrvda{%

```



```

6110     \def\noexpand\bidiresrvda####1\detokenize{macro:}####2->####3&{%
6111         #1\def\string\bidiresrvda\space####2{\noexpand\bidiresrvdb####3}}%
6112     \def\noexpand\bidiresrvdb####1\detokenize{#3}####2&{%
6113         ####1\detokenize{#4}####2}%
6114     \edef\noexpand\bidiresrvda{%
6115         \noexpand\bidiresrvda\meaning#2&}}%
6116     \bidiresrvda
6117     \bidipatchcmd@scantoks\bidiresrvda
6118     \let#2\bidiresrvda
6119     \bidiundef\bidiresrvda
6120     \@firstoftwo}
6121     {\@secondoftwo}}
6122
6123 \def\bidipatchcmd@scantoks#1{%
6124     \edef\bidiresrvda{\endgroup
6125         \unexpanded{\makeatletter\scantokens}{#1}%
6126         \catcode\number`\@=\the\catcode`\@}\relax}%
6127     \bidiresrvda}
6128
6129 \protected\def\bidifscanable#1{%
6130     \begingroup
6131     \edef\bidiresrvda{%
6132         \def\noexpand\bidiresrvda####1\detokenize{macro:}####2->####3&{%
6133             ####1\def\string\bidiresrvda####2{####3}}}%
6134         \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
6135     \bidiresrvda
6136     \makeatletter
6137     \scantokens\expandafter{\bidiresrvda}%
6138     \expandafter\endgroup\ifx#1\bidiresrvda
6139         \expandafter\@firstoftwo
6140     \else
6141         \expandafter\@secondoftwo
6142     \fi}
6143
6144
6145 \protected\long\def\bidifhashcheck#1{%
6146     \begingroup
6147     \edef\bidiresrvda{\detokenize{#1}}%
6148     \expandafter\endgroup
6149     \expandafter\bidifhashcheck@i\meaning\bidiresrvda&}
6150
6151 \edef\bidifhashcheck@i#1&{%
6152     \noexpand\expandafter
6153     \noexpand\bidifhashcheck@ii
6154     \noexpand\strip@prefix#1\string#\string#&}
6155
6156 \edef\bidifhashcheck@ii{%
6157     \def\noexpand\bidifhashcheck@ii##1\string#\string##2&}
6158 \bidifhashcheck@ii{\if@bidi@blank{#2}}
6159
6160
6161 \protected\long\def\bidifpattern#1#2{%
6162     \begingroup
6163     \edef\bidiresrvda{%

```




```

6218 \endgroup
6219 \bidi@dbg@init#2%
6220 \if@bidi@undef{#2}
6221   {\bidi@dbg@fail{def}\@secondoftwo}
6222   {\bidi@dbg@info{def}%
6223   \if@bidi@defmacro{#2}
6224     {\bidi@dbg@info{mac}%
6225     \if@bidi@defparam{#2}
6226       {\bidi@dbg@info{prm}%
6227       \bidi@ifscanable{#2}
6228         {\bidi@ifhashcheck{#3}
6229           {\bidi@dbg@info{tok}%
6230           \bidi@dbg@succ{ret}%
6231           \bidi@hooktocmd@i#1#2{#3}%
6232           \@firstoftwo}
6233           {\bidi@dbg@fail{hsh}\@secondoftwo}}
6234           {\bidi@dbg@fail{tok}\@secondoftwo}}
6235   {\bidi@dbg@info{prl}%
6236   \if@bidi@defprotected{#2}
6237     {\bidi@dbg@info{pro}%
6238     \bidi@dbg@succ{red}%
6239     \protected}
6240     {\bidi@dbg@succ{red}}}%
6241   \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
6242   \@firstoftwo}}
6243   {\bidi@dbg@fail{mac}\@secondoftwo}}
6244
6245 \long\def\bidi@hooktocmd@i#1#2#3{%
6246   \begingroup
6247   \edef\bidi@resrvda{%
6248     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
6249       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
6250     \edef\noexpand\bidi@resrvda{%
6251       \noexpand\bidi@resrvda\meaning#2&}}%
6252   \bidi@resrvda
6253   \bidi@patchcmd@scantoks\bidi@resrvda
6254   \let#2\bidi@resrvda
6255   \bidi@undef\bidi@resrvda}
6256
6257 \long\def\bidi@append#1#2{#1#2}
6258 \long\def\bidi@prepend#1#2{#2#1}
6259
6260 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
6261 %\newcommand*{\bidi@endpreamblehook}{}
6262
6263 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%
6264
6265 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipou
6266 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
6267
6268 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
6269 \newcommand*{\bidi@beforeheaderhook}{}
6270
6271 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutpu

```



```

6272 \newcommand*\bidi@beforeoutputboxoutputpagehook-{}
6273
6274 \bidi@newrobustcmd*\bidi@AfterOutputBoxOutputPage-{\bidi@gappto\bidi@afteroutputboxoutputp
6275 \newcommand*\bidi@afteroutputboxoutputpagehook-{}
6276
6277 \bidi@newrobustcmd*\bidi@BeforeFooter-{\bidi@gappto\bidi@beforefooterhook}
6278 \newcommand*\bidi@beforefooterhook-{}
6279
6280 \bidi@newrobustcmd*\bidi@AfterFooter-{\bidi@gappto\bidi@afterfooterhook}
6281 \newcommand*\bidi@afterfooterhook-{}
6282
6283
6284 \bidi@newrobustcmd*\bidi@AfterOutputPageShipOut-{\bidi@gappto\bidi@afteroutputpageshipoutp
6285 \newcommand*\bidi@afteroutputpageshipouthook-{}
6286
6287 \bidi@newrobustcmd*\bidi@AtEndOutputPage-{\bidi@gappto\bidi@atendoutputpagehook}
6288 \newcommand*\bidi@atendoutputpagehook-{}
6289
6290 %\bidi@preto\document{%
6291 % \endgroup
6292 % \let\bidi@AtEndPreamble\@firstofone
6293 % \bidi@endpreamblehook
6294 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
6295 % \bidi@undef\bidi@endpreamblehook
6296 % \begingroup}
6297
6298 \bidi@newrobustcmd*\bidi@AfterPreamble-{\AtBeginDocument}
6299 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
6300
6301 %\bidi@newrobustcmd*\bidi@AfterEndPreamble-{\bidi@gappto\bidi@afterendpreamblehook}
6302 %\newcommand*\bidi@afterendpreamblehook-{}
6303
6304 \bidi@newrobustcmd*\bidi@AfterEndPreamble-{\AddToHook{begindocument/end}}%
6305
6306 %\bidi@appto\document{%
6307 % \let\bidi@AfterEndPreamble\@firstofone
6308 % \bidi@afterendpreamblehook
6309 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
6310 % \bidi@undef\bidi@afterendpreamblehook
6311 % \ignorespaces}
6312
6313 \bidi@newrobustcmd*\bidi@AfterEndDocumentCheckLabelsRerun-{\bidi@gappto\bidi@afterenddocum
6314 \newcommand*\bidi@afterenddocumentchecklabelsrerunhook-{}
6315
6316 \bidi@patchcmd\enddocument
6317 {\fi}
6318 {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
6319 \bidi@afterenddocumentchecklabelsrerunhook
6320 \fi}
6321 {}
6322 {\PackageWarning{biditools}{Patching `string\enddocument' failed}}
6323
6324 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
6325

```



```

6326 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
6327 \newcommand*{\bidi@afterlastshipouthook}{
6328
6329 \bidi@patchcmd\enddocument
6330 {\clearpage}
6331 {\clearpage
6332 \let\bidi@AfterLastShipout\@firstofone
6333 \bidi@afterlastshipouthook}
6334 {}
6335 {\let\bidi@clearpage\clearpage
6336 \def\clearpage{%
6337 \bidi@clearpage
6338 \let\bidi@AfterLastShipout\@firstofone
6339 \bidi@afterlastshipouthook}}
6340
6341 %\bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
6342 %\newcommand*{\bidi@afterenddocumenthook}{
6343
6344 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\AddToHook{enddocument/end}}%
6345
6346 %\bidi@patchcmd\enddocument
6347 % {\deadcycles}
6348 % {\let\bidi@AfterEndDocument\@firstofone
6349 % \bidi@afterenddocumenthook
6350 % \deadcycles}
6351 % {}
6352 % {\let\bidi@@end\@@end
6353 % \def\@@end{%
6354 % \let\bidi@AfterEndDocument\@firstofone
6355 % \bidi@afterenddocumenthook
6356 % \bidi@@end}}
6357
6358 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
6359 \bidi@csgappto{@bidi@begin@#1@hook}}
6360
6361 % Patch \begin<space> and \end<space> in newer LaTeX releases
6362 % \begin and \end in older ones.
6363 \expandafter\bidi@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6364 {\csname #1\endcsname}
6365 {\bidi@csuse{@bidi@begin@#1@hook}}%
6366 \csname #1\endcsname}
6367 {}
6368 {\bidi@warning{%
6369 Patching '\string\begin' failed!\MessageBreak
6370 '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
6371
6372
6373
6374 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
6375 \bidi@csgappto{@bidi@end@#1@hook}}
6376
6377 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6378 {\csname end#1\endcsname}
6379 {\bidi@csuse{@bidi@end@#1@hook}}%

```



```

6380 \csname end#1\endcsname}
6381 {}
6382 {\bidi@warning{%
6383   Patching '\string\end' failed!\MessageBreak
6384   '\string\bidi@AtEndEnvironment' will not work@gobble}}
6385
6386
6387
6388 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
6389   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
6390
6391 \expandafter\bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6392   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
6393   {}
6394   {\bidi@warning{%
6395     Patching '\string\begin' failed!\MessageBreak
6396     '\string\bidi@BeforeBeginEnvironment' will not work@gobble}}
6397
6398 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
6399   \bidi@csgappto{@bidi@afterend@#1@hook}}
6400
6401 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6402   {\if@ignore}
6403   {\bidi@csuse{@bidi@afterend@#1@hook}}%
6404   \if@ignore}
6405   {}
6406   {\bidi@warning{%
6407     Patching '\string\end' failed!\MessageBreak
6408     '\string\bidi@AfterEndEnvironment' will not work@gobble}}
6409
6410 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
6411 \def\bidi@namegdef#1{\expandafter\gdef\csname #1\endcsname}
6412 \def\bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
6413 \def\bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
6414
6415 % From David Carlisle:
6416 % The \stpelt redefinition below belongs to Heiko Oberdiek
6417 % See also https://github.com/ho-tex/oberdiek/issues/26
6418
6419 \let\@bidi@stepcounter\stepcounter
6420 \let\@bidi@@stpelt\stpelt
6421
6422 \def\@stpelt#1{%
6423   \ifcsname bidi@reset@#1@perpage\endcsname
6424     \begingroup
6425       \let\stepcounter\@bidi@stepcounter
6426       \@bidi@@stpelt{#1}%
6427     \endgroup
6428     \expandafter\@gobbletwo
6429   \fi
6430   \@bidi@@stpelt{#1}%
6431 }
6432
6433 \bidi@pretocmd\stepcounter

```



```

6434 {%
6435   \if@bidi@csundef{bidi@stepcounterhook@@#1}{-}{%
6436     \csname bidi@stepcounterhook@@#1\endcsname
6437   }%
6438 }{-}%
6439 {\PackageWarning{biditools}{Patching `string\stepcounter' failed}}
6440
6441 \chardef\bidi@backslash`\\
6442 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
6443
6444 % anonymous control sequences
6445 \newcount\bidi@tempcountb
6446 \newtoks\bidi@temptoksa
6447 \newtoks\bidi@temptoksb
6448
6449 % Catcode (re)storing
6450 %
6451 \def\bidi@storecatcode#1%
6452   {\escapechar\m@ne
6453   \bidi@csarg\edef{bidi@restorecatcode\string#1}%
6454     {\catcode`\string#1=
6455       \the\catcode\expandafter`\string#1}%
6456     \catcode\expandafter`\string#1=12\relax
6457     \escapechar`\\relax}
6458 \def\bidi@restorecatcode#1%
6459   {\escapechar\m@ne
6460   \csname bidi@restorecatcode\string#1\endcsname
6461   \escapechar`\\relax}
6462
6463 % Construct a control sequence inside \edef
6464 %
6465 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
6466
6467 % Construct a control sequence out of #2, and give it to #1
6468 %
6469 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
6470
6471 % Pick an escapecharacter
6472 % this presumes that its argument is a character.
6473 %
6474 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
6475
6476 % Equality of strings.
6477 % the fast approach: does not work in expansion-only environment.
6478 %
6479 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
6480   \ifx\bidi@eqs@a\bidi@eqs@b}
6481
6482 % Test by expansion only
6483 %
6484 \def\bidi@EqualStringX#1#2{00\fi
6485   \csname if\@bidi@EqualStringX#1&#2&\endcsname}
6486 \def\@bidi@EqualStringX#1#2#3#4${\ifx#1#3%
6487   \ifx#1&true\else\bidi@hop@ES\@bidi@EqualStringX#2#4$\fi

```




```

6488     \else false\fi}
6489 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
6490
6491 % Lexicographic ordering
6492 % note the use of \def
6493 % also note the characters 0,127,255 that are used,
6494 % these are not supposed to appear in the strings
6495 %
6496 {\catcode0=12 \catcode255=12 \catcode127=12
6497 \gdef\bidistringbeforeNC#1#2{0\fi
6498   \bidicharsbefore#1^^@^^?#2^^ff^^?}
6499 \gdef\bidicharsbeforeNC#1#2^^?#3#4^^?{%
6500   \ifcat#1\relax\def\bidinext{\bidicharsbefore#2^^@^^?#3#4^^ff^^?}%
6501   \else\ifcat#3\relax\def\bidinext{\bidicharsbefore#1#2^^@^^?#4^^ff^^?}%
6502     \else\ifnum\lccode`#1<\lccode`#3
6503       \def\bidinext{\csname iftrue\endcsname}%
6504     \else\ifnum\lccode`#1>\lccode`#3
6505       \def\bidinext{\csname iffalse\endcsname}%
6506     \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
6507   \fi \fi \fi \fi
6508   \bidinext}
6509 \gdef\bidistringbefore#1#2{0\fi
6510   \bidicharsbefore#1^^@^^?#2^^ff^^?}
6511 \gdef\bidicharsbefore#1#2^^?#3#4^^?{%
6512   \ifnum`#1<`#3
6513     \def\bidinext{\csname iftrue\endcsname}%
6514   \else\ifnum`#1>`#3
6515     \def\bidinext{\csname iffalse\endcsname}%
6516   \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
6517   \fi\fi
6518   \bidinext}
6519 }
6520
6521 % Null argument test
6522 %
6523 \def\bidie@empty{}
6524 \def\bidie@ifempty#1{0\fi\expandafter\ifx\csname bidi@#1\endcsname\bidie@null}
6525 \def\bidie@ifemptyX#1{\expandafter\ifx\csname bidi@#1\endcsname\bidie@null}
6526 %\def\bidie@ifempty#1{\def\bidie@cs@a{#1}\ifx\bidie@cs@a\bidie@empty}
6527 \def\bidie@isemptylist#1{0\fi\def\bidie@cs@a{#1}\ifx\cs@a\bidie@empty}
6528
6529 % Next character test
6530 %
6531 \def\bidie@nextchar#1#2#3{0\fi
6532   \let\bidie@nxt@ch#1\def\bidie@nxt@a{#2}\def\bidie@nxt@b{#3}%
6533   \futurelet\bidie@nxt@c\bidie@ifnxtc}
6534 \def\bidie@ifnextchar#1#2#3{%
6535   \let\bidie@nxt@ch#1\def\bidie@nxt@a{#2}\def\bidie@nxt@b{#3}%
6536   \futurelet\bidie@nxt@c\bidie@ifnxtc}
6537 \def\bidie@ifnxtc{\ifx\bidie@nxt@ch\bidie@nxt@c \expandafter\bidie@nxt@a
6538   \else \expandafter\bidie@nxt@b \fi}
6539
6540 % Test for defined-ness of string as control sequence.
6541 % works inside \edef

```



```

6542 %
6543 \def\ bidi@undefinedcs#1{00\fi\ bidi@csarg\ifx{#1}\relax}
6544
6545 % Define uniquely defined dummy macros,
6546 % usually to serve as bumper blocks at the end of a list
6547 %
6548 \newcount\ bidi@dummies
6549 \def\ DefNewDummy#1{
6550   \if\ bidi@undefinedcs{#1}\ bidi@csarg\edef{#1}{\ bidi@dum\the\ bidi@dummies}
6551   \advance\ bidi@dummies\@ne
6552   \else
6553   \ bidi@error{Attempt at second definition of `#1'}
6554   \fi}
6555
6556 % string case statement
6557 % use: \ bidi@switch \iftest{...} in:
6558 %   item1 action1
6559 %   ...
6560 %   itemn actionn
6561 %   default defaultaction [optional]
6562 %   \end\ bidi@switch
6563 % inspired by Jonathan Fine: Some Basic Control Macros
6564 % Tugboat 12 #4
6565 %
6566 \let\@bidi@fi\fi \let\end\ bidi@switch\relax \DefNewDummy{\ bidi@default}
6567 \def\ bidi@switch@exit #1 \@bidi@fi #2 \end\ bidi@switch {\fi #1}
6568 \def\ bidi@switch #1#2#3{\ bidi@csarg\ifx{#2}\ bidi@default\ bidi@switch@exit #3 \@bidi@fi
6569 #1{#2}\ bidi@switch@exit #3 \@bidi@fi
6570 \ bidi@switch {#1}
6571 }
6572 % this version puts the test object in {}
6573 \def\ bidi@oswitch #1 in: #2 #3; {\ bidi@csarg\ifx{#2}\ bidi@default\ bidi@switch@exit #3 \@bidi@fi
6574 #1{#2}\ bidi@switch@exit #3 \@bidi@fi
6575 \ bidi@switch #1 in:
6576 }
6577 % this version assumes that the test object is just one character
6578 \def\ bidi@cswitch #1 in: #2 #3; {\ bidi@csarg\ifx{#2}\ bidi@default\ bidi@switch@exit #3 \@bidi@fi
6579 #1#2\ bidi@switch@exit #3 \@bidi@fi
6580 \ bidi@cswitch #1 in:
6581 }
6582 % this version assumes that the test object can have an optional space
6583 \def\ bidi@bswitch #1 in: #2 #3; {\ bidi@csarg\ifx{#2}\ bidi@default\ bidi@switch@exit #3 \@bidi@fi
6584 #1#2 \ bidi@switch@exit #3 \@bidi@fi
6585 \ bidi@bswitch #1 in:
6586 }
6587 % this version can cope with significant spaces at the start of #3;
6588 % #2 is macro argument
6589 \def\ bidi@mswitch #1 in: #2:#3; {\ bidi@csarg\ifx{#2}\ bidi@default\ bidi@switch@exit #3 \@bidi@fi
6590 #1{#2}\ bidi@switch@exit #3 \@bidi@fi
6591 \ bidi@mswitch #1 in:
6592 }
6593 % idem; #2 does not have to be enclosed in braces
6594 \def\ bidi@fswitch #1 in: #2:#3; {\ bidi@csarg\ifx{#2}\ bidi@default\ bidi@switch@exit #3 \@bidi@fi
6595 #1#2 \ bidi@switch@exit #3 \@bidi@fi

```



```

6596 \bidi@fswitch #1 in:
6597 }
6598
6599 % Routines for taking the value of a string:
6600 % if the string is defined as control sequence
6601 % take the value of that, otherwise take the string itself
6602
6603 % String or value of control sequence
6604 %
6605 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
6606
6607 % String or control sequence
6608 %
6609 \def@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
6610
6611 % String or \noexpand-ed control sequence;
6612 % for use in \edef
6613 %
6614 \newif\ifbidi@in@label
6615 \def@bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
6616     \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6617 \newtoks\bidi@are@these@correct
6618 \def\bidi@t@w@w#1{%
6619     \if\bidi@undefinedcs{#1}#1%
6620     \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1} \fi
6621     \else
6622     \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6623
6624 % List Manipulation .....
6625 % this assumes that #1 is a list of tokens, #2 is the name of a list
6626 %
6627 % Names of lists (and of items to pop into) are given as strings;
6628 % not as control sequences.
6629 %
6630 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
6631 % basic append/prepend macro
6632 \long\def@bidi@append@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
6633     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@to
6634 \long\def@bidi@prepend@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
6635     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lis
6636 \def@bidi@append@to@list{\bidi@csarg\bidi@append@to@cslist}
6637 \def@bidi@prepend@to@list{\bidi@csarg\bidi@prepend@to@cslist}
6638 % variations:
6639 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
6640 \long\def\bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#2}}
6641 \def\bidi@append@list@to@list#1#2{%
6642     \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2
6643 \def\bidi@prepend@list@to@list#1#2{%
6644     \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#
6645 \def\bidi@append@cslist@to@cslist#1#2{%
6646     \@bidi@append@to@cslist{#1}\expandafter{\the#2}}
6647 \def\bidi@prepend@cslist@to@cslist#1#2{%
6648     \@bidi@prepend@to@cslist{#1}\expandafter{\the#2}}
6649 \def\bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}

```




```

6704 \edef\bidics@e{\noexpand\@bidi@copy@stacktop
6705 {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
6706 \bidics@e}
6707 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
6708 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
6709 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
6710 \def\bidi@length@of@csstack#1{\def\##1{\advance\bidi@stack@length\@ne}%
6711 \bidi@stack@length\m@ne \the#1}
6712 % turn a stack upside down
6713 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
6714 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
6715 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6716 \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\m@ne
6717 \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
6718 % \bidi@append@cslist@to@cslist\bidi@temptoksb\bidi@temptoksa% append a to b
6719 % \bidi@temptoksa\bidi@temptoksb
6720 \repeat% copy b to a
6721 #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6722 % invert a stack into a list
6723 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
6724 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
6725 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6726 \bidi@pop@into{\bidi@temptoksb}{#1}\advance\bidi@stack@length\m@ne
6727 \bidi@append@list@to@list{\bidi@temptoksb}{\bidi@temptoksa}\repeat
6728 \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6729
6730
6731 % General loop macro:
6732 % \looprepeat
6733 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<
6734 % \untilcondition{<cond>} \whilecondition{<cond>}
6735 % \doloopbody { <loop body> }
6736 % where all control sequences in between \looprepeat and \doloopbody are optional.
6737 %
6738 % var: characters to form a control sequence;
6739 % after \forvariable{index} you can access the loop counter as \index.
6740 % This is a count register; to print it use \number\index.
6741 % start,step,end: integers with obvious relations to the loop counter;
6742 % start and step have a default value of 1
6743 % cond: (sequence of commands ending in) any TeX \if... test.
6744 %
6745 % Count down instead of up with \downtovalue; the increment given in \bystep
6746 % is always positive, and is added or subtracted accordingly.
6747 %
6748 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
6749 % at the beginning of the loop body.
6750 %
6751 % Exit from middle of loop: \breaklooprepeat
6752 % use this at any place in the loop; in case of a conditional use
6753 % \ifsomething ... \expandafter \breaklooprepeat \fi
6754 %
6755 % Note that the line ends do not cause spaces in the output.
6756 %
6757 % Technical details:

```



```

6758 % The loop body is not executed in a group: the braces are those
6759 % of a token list.
6760 % The `forvariable' variable is \let to a \count register.
6761
6762
6763
6764 % Auxiliary stuff
6765 \def\bidi@looprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
6766 \def\bidi@looprepeat@csromannumeral#1{\csname #1\romannumeral\bidi@looprepeat@depth\endcsname}
6767 \def\bidi@looprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidi@loopre
6768
6769 \newcount\bidi@looprepeat@depth
6770 \let\endlooprepeat\relax \def\bidi@csprotect{}
6771 % Trace switches may later be defined by PAC_utils
6772 \let\bidi@looprepeat@traceinit\relax \let\bidi@looprepeat@traceexit\relax
6773
6774 % Main repeatloop macro
6775 % - go to next level and allocate unique counter/toks if this is the
6776 %   first time we visit this level
6777 % - setup: gather bounds and termination conditions
6778 % - scoop up body in token list; after the assignment define and
6779 %   execute body
6780 \def\looprepeat#1\doloopbody{\bidi@looprepeat@traceinit % exit in \breakrepeatloop
6781   \advance\bidi@looprepeat@depth\@ne\relax
6782   \bidi@looprepeat@csargromannumeral\ifx\bidi@looprepeat@count}\relax
6783     \bidi@looprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidi@looprep
6784     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepe
6785     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepe
6786     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepe
6787     \fi \bidi@looprepeat@zero \def\bidi@looprepeat@sign{} \def\bidi@looprepeat@comp{>}\bidi@lo
6788     \edef\bidi@looprepeat@tmp
6789       {\def\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@looprepeat}{\bidi@loo
6790     \afterassignment\bidi@looprepeat@dxbody\bidi@looprepeat@csromannumeral{\bidi@looprepeat@to
6791
6792 % Define and execute loop body
6793 % This is done with an \edef to construct the actual sequence
6794 \def\bidi@looprepeat@dxbody{\bidi@looprepeat@csargromannumeral\edef{\bidi@looprepeat@body}{%
6795   \bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}%
6796   \noexpand\the\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@toks}%
6797   \bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@utest}%
6798   \global\bidi@looprepeat@csargromannumeral\advance{\bidi@looprepeat@count} by \bidi@loopre
6799   \noexpand\endlooprepeat
6800   \bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@looprepeat}}%
6801   \bidi@looprepeat@csromannumeral{\bidi@looprepeat@body}\ignorespaces}
6802
6803 % Stop test
6804 %% In order to stop, issue a
6805 % \breaklooprepeat which scoops up the rest of the body and exits
6806 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumer
6807   \advance\bidi@looprepeat@depth\m@ne \bidi@looprepeat@traceexit
6808 }
6809
6810
6811 % Setup

```



```

6812 % gather bounds and termination conditions
6813 \def\bidilooprepeat@setup#1{%
6814   \beginingroup
6815   \def\forvariable##1{%
6816     \edef\bidilooprepeat@tmp{%
6817       \global\let\bidilooprepeat@csarg\noexpand{##1}\bidilooprepeat@csromannumerals{\bidilooprepeat@tmp}%
6818     \bidilooprepeat@tmp}%
6819   \def\fromvalue##1{\bidilooprepeat@csargromannumerals\global{\bidilooprepeat@count}##1\bidilooprepeat@tmp}%
6820   \def\tovalue##1{%
6821     \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumerals\noexpand{\bidilooprepeat@tmp}%
6822       {\bidilooprepeat@csargromannumerals\the{\bidilooprepeat@wtest}}%
6823     \noexpand\ifnum\bidilooprepeat@csargromannumerals\noexpand{\bidilooprepeat@count}>\bidilooprepeat@tovalue%
6824     \noexpand\expandafter \noexpand\breaklooprepeat
6825     \noexpand\fi}\ignorespaces}%
6826   \bidilooprepeat@tmp}%
6827   \def\owntovalue##1{%
6828     \gdef\bidilooprepeat@sign{-}\gdef\bidilooprepeat@comp{<}\tovalue{##1}\ignorespaces}%
6829   \def\bystep##1{\ifnum##1<0 \bidilooprepeat@error{LOOPREPEAT: increment has to be a positive value}%
6830     \bidilooprepeat@csargromannumerals\gdef{\bidilooprepeat@inc}{-##1}\else
6831     \bidilooprepeat@csargromannumerals\gdef{\bidilooprepeat@inc}{##1}\fi\ignorespaces}%
6832   \def\untilcondition##1{%
6833     \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumerals\noexpand{\bidilooprepeat@tmp}%
6834     {\noexpand##1\relax
6835     \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6836     \bidilooprepeat@tmp}%
6837   \def\whilecondition##1{%
6838     \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumerals\noexpand{\bidilooprepeat@tmp}%
6839     {\noexpand##1\relax \noexpand\else
6840     \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6841     \bidilooprepeat@tmp}%
6842     \fromvalue{\@ne}\bystep{\@ne}##1%
6843   \endgroup}
6844 \def\bidilooprepeat@zero
6845   {\bidilooprepeat@csromannumerals{\bidilooprepeat@toks}{}}\bidilooprepeat@csromannumerals{\bidilooprepeat@body}{}}
6846   \bidilooprepeat@csargromannumerals\def{\bidilooprepeat@body}{}}
6847
6848 %\tracingmacros2
6849 %\newcount\tmpcount % used in some examples below
6850
6851 %\looprepeat \forvariable{i}
6852 %   \bystep{2}
6853 % \doloopbody {%
6854 %   \ifnum i=13 \expandafter\breaklooprepeat \fi
6855 %   \number i} %
6856 %}%
6857
6858 %\looprepeat \forvariable{iii}
6859 %   \tovalue{8}
6860 % \doloopbody {}
6861 %After loop: \number iii%
6862
6863 %\looprepeat \forvariable{i}
6864 %   \fromvalue{10}
6865 %   \bystep{2}

```



```

6866 %      \downtovalue{0}
6867 % \doloopbody {\number\i} }
6868
6869 %\loopleftepeat \forvariable{x} \whilecondition{\ifnum\x<7}
6870 % \doloopbody {\number\x} }
6871
6872 %\loopleftepeat \tovalue{3} \doloopbody {Hello world! }
6873
6874 %\loopleftepeat \forvariable{j}
6875 %      \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
6876 % \doloopbody {\number\j} }
6877
6878 %\loopleftepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
6879 % {\loopleftepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
6880 % \doloopbody {(\number\i.\number\j) }
6881 % }
6882
6883 % infinite loop
6884 %\loopleftepeat \doloopbody {}
6885
6886 \ExplSyntaxOn
6887 \NewDocumentCommand \bidi@AfterClass { s m o +m }
6888 {
6889   \IfBooleanTF { #1 }
6890   {
6891     \@ifclassloaded{ #2 }
6892     { #4 }
6893     {
6894       \hook_gput_code:nnn
6895         { file / #2.\@clsextension / after }
6896         { #3 }
6897         { #4 }
6898     }
6899   }
6900   {
6901     \hook_gput_code:nnn { file / #2.\@clsextension / after } { #3 } { #4 }
6902   }
6903 }
6904
6905 \seq_new:N \g__biditools_input_file_seq
6906
6907 \prg_new_protected_conditional:Npnn \__bidi_if_loading:n #1 { T, F, TF }
6908 {
6909   \str_set:Nx \l_tmpa_str { #1 }
6910   \seq_if_in:NxTF \g__biditools_input_file_seq { \str_use:N \l_tmpa_str }
6911   { \prg_return_true: }
6912   { \prg_return_false: }
6913 }
6914
6915 \prg_new_protected_conditional:Npnn \bidi_if_class_loaded:n #1 { T, F, TF }
6916 {
6917   \@ifclassloaded { #1 }
6918   {
6919     \__bidi_if_loading:nTF { #1.\@clsextension }

```




```

6920         { \prg_return_false: }
6921         { \prg_return_true: }
6922     }
6923     {
6924         \prg_return_false:
6925     }
6926 }
6927
6928 \prg_new_protected_conditional:Npnn \bidi_if_package_loaded:n #1 { T, F, TF }
6929 {
6930     \@ifpackageloaded { #1 }
6931     {
6932         \_bidi_if_loading:nTF { #1.\@pkgextension }
6933         { \prg_return_false: }
6934         { \prg_return_true: }
6935     }
6936     {
6937         \prg_return_false:
6938     }
6939 }
6940
6941 \NewDocumentCommand \bidi@AfterAtEndOfClass { s m o +m }
6942 {
6943     \IfBooleanTF { #1 }
6944     {
6945         \bidi_if_class_loaded:nTF { #2 }
6946         { #4 }
6947         { \hook_gput_code:nnn { class / #2 / after } { #3 } { #4 } }
6948     }
6949     {
6950         \bidi_if_class_loaded:nF
6951         { #2 }
6952         { \hook_gput_code:nnn { class / #2 / after } { #3 } { #4 } }
6953     }
6954 }
6955
6956 \NewDocumentCommand \bidi@AfterPackage { s m o +m }
6957 {
6958     \IfBooleanTF { #1 }
6959     {
6960         \@ifpackageloaded{ #2 }
6961         { #4 }
6962         {
6963             \hook_gput_code:nnn
6964             { file / #2.\@pkgextension / after }
6965             { #3 }
6966             { #4 }
6967         }
6968     }
6969     {
6970         \hook_gput_code:nnn { file / #2.\@pkgextension / after } { #3 } { #4 }
6971     }
6972 }
6973

```



```

6974 \NewDocumentCommand \bidi@AfterAtEndOfPackage { s m o +m }
6975 {
6976   \IfBooleanTF { #1 }
6977   {
6978     \bidi_if_package_loaded:nTF { #2 }
6979     { #4 }
6980     { \hook_gput_code:nnn { package / #2 / after } { #3 } { #4 } }
6981   }
6982   {
6983     \bidi_if_package_loaded:nF
6984     { #2 }
6985     { \hook_gput_code:nnn { package / #2 / after } { #3 } { #4 } }
6986   }
6987 }
6988
6989 \clist_new:N \l__biditools_package_clist
6990 \msg_new:nnn { biditools } { cannot-prevent-for-already-loaded-package }
6991 {
6992   Can-not-prevent~package-`#1'-from-being~loaded,~
6993   since-it-has-been~loaded~already~before~line~\msg_line_number:
6994 }
6995 \clist_new:N \g__biditools_prevent_clist
6996
6997 \NewDocumentCommand \bidi@PreventPackageFromLoading { s +o m }
6998 {
6999   \clist_set:Nx \l__biditools_package_clist { #3 }
7000   \clist_map_inline:Nn \l__biditools_package_clist
7001   {
7002     \@ifpackageloaded { ##1 }
7003     {
7004       \IfBooleanTF { #1 } { \msg_info:nnn } { \msg_warning:nnn }
7005       { biditools } { cannot-prevent-for-already-loaded-package } { ##1 }
7006     }
7007     {
7008       \clist_if_in:NnF \g__biditools_prevent_clist { ##1 }
7009       { \clist_gput_right:Nn \g__biditools_prevent_clist { ##1 } }
7010       \tl_if_exist:cF { g__biditools_exclude_package_##1_tl }
7011       {
7012         \tl_new:c { g__biditools_exclude_package_##1_tl }
7013       }
7014       \IfValueT { #2 }
7015       {
7016         \tl_gput_right:cn { g__biditools_exclude_package_##1_tl } { #2 }
7017       }
7018       \disable@package@load { ##1 }
7019       { \tl_use:c { g__biditools_exclude_package_##1_tl } }
7020     }
7021   }
7022   \clist_clear:N \l__biditools_package_clist
7023 }
7024
7025 \NewDocumentCommand \bidi@ResetPreventPackageFromLoading {}
7026 {
7027   \clist_map_function:NN \g__biditools_prevent_clist \reenable@package@load

```



```

7028   \clist_gclear:N \g__biditools_prevent_clist
7029 }
7030
7031 \NewDocumentCommand \bidi@StorePreventPackageFromLoading { m }
7032 { \edef #1 { \clist_use:Nn \g__biditools_prevent_clist { , } } }
7033
7034 \NewDocumentCommand \bidi@UnPreventPackageFromLoading { s m }
7035 {
7036   \clist_set:Nx \l__biditools_package_clist { #2 }
7037   \clist_map_inline:Nn \l__biditools_package_clist
7038     {
7039       \clist_if_in:NnT \g__biditools_prevent_clist { ##1 }
7040       {
7041         \clist_gremove_all:Nn \g__biditools_prevent_clist { ##1 }
7042         \reenable@package@load { ##1 }
7043         \IfBooleanT { #1 }
7044           { \cs_undefine:c { g__biditools_exclude_package_##1_tl } }
7045       }
7046     }
7047 }
7048
7049 \NewDocumentCommand \bidi@BeforeClosingMainAux { o m }
7050 {
7051   \hook_gput_code:nnn { enddocument / afterlastpage } { #1 }
7052   {
7053     \debug_suspend:
7054     \RenewDocumentCommand \bidi@BeforeClosingMainAux { m } { ##1 }
7055     \cs_set_eq:NN \__biditools_protected@write:Nnn \protected@write
7056     \cs_set_eq:NN \protected@write \bidi@protected@immediate@write
7057     #2
7058     \cs_set_eq:NN \protected@write \__biditools_protected@write:Nnn
7059     \debug_resume:
7060   }
7061 }
7062
7063 \NewDocumentCommand \bidi@AfterReadingMainAux { o m }
7064 {
7065   \hook_gput_code:nnn { enddocument / afteraux } { #1 }
7066   {
7067     \debug_suspend:
7068     \RenewDocumentCommand \bidi@AfterReadingMainAux { m } { ##1 }
7069     \cs_set_eq:NN \__biditools_protected@write:Nnn \protected@write
7070     \cs_set_eq:NN \protected@write \bidi@protected@immediate@write
7071     #2
7072     \cs_set_eq:NN \protected@write \__biditools_protected@write:Nnn
7073     \debug_resume:
7074   }
7075 }
7076
7077 \clist_new:N \l__biditools_file_patch_clist
7078
7079 \NewDocumentCommand \ApplyPatchToFiles { m O{def} O{bidi} }
7080 {
7081   \clist_set:Nx \l__biditools_file_patch_clist { #1 }

```



```

7082 \clist_map_inline:Nn \l__biditools_file_patch_clist
7083 {
7084   \ApplyPatchToFile { ##1 } [ #2 ] [ #3 ]
7085 }
7086 \clist_clear:N \l__biditools_file_patch_clist
7087 }
7088
7089 \clist_new:N \l__biditools_package_patch_clist
7090
7091 \NewDocumentCommand \ApplyPatchToPackages { m O{bidi} }
7092 {
7093   \clist_set:Nx \l__biditools_package_patch_clist { #1 }
7094   \clist_map_inline:Nn \l__biditools_package_patch_clist
7095   {
7096     \ApplyPatchToPackage { ##1 } [ #2 ]
7097   }
7098   \clist_clear:N \l__biditools_package_patch_clist
7099 }
7100
7101 \clist_new:N \l__biditools_class_patch_clist
7102
7103 \NewDocumentCommand \ApplyPatchToClasses { m O{bidi} }
7104 {
7105   \clist_set:Nx \l__biditools_class_patch_clist { #1 }
7106   \clist_map_inline:Nn \l__biditools_class_patch_clist
7107   {
7108     \ApplyPatchToClass { ##1 } [ #2 ]
7109   }
7110   \clist_clear:N \l__biditools_class_patch_clist
7111 }
7112
7113 \NewDocumentCommand \ApplyPatchToClassesIfPackageLoadedF { m m O{bidi} }
7114 {
7115   \clist_set:Nx \l__biditools_class_patch_clist { #1 }
7116   \clist_map_inline:Nn \l__biditools_class_patch_clist
7117   {
7118     \ApplyPatchToClassIfPackageLoadedF { ##1 } { #2 } [ #3 ]
7119   }
7120   \clist_clear:N \l__biditools_class_patch_clist
7121 }
7122 \ExplSyntaxOff
7123
7124 \newcommand*{\bidi@ReplaceInput}{\declare@file@substitution}
7125 \newcommand*{\bidi@UnReplaceInput}
7126 {\undeclare@file@substitution}
7127 \newcommand*{\bidi@ReplacePackage}[2]{%
7128   \declare@file@substitution{#1.\@pkgextension}{#2.\@pkgextension}%
7129 }
7130 \newcommand*{\bidi@UnReplacePackage}[1]{%
7131   \undeclare@file@substitution{#1.\@pkgextension}%
7132 }
7133 \newcommand*{\bidi@ReplaceClass}[2]{%
7134   \declare@file@substitution{#1.\@clsextension}{#2.\@clsextension}%
7135 }

```



```

7136 \newcommand*\bidi@UnReplaceClass}[1]{%
7137   \undeclare@file@substitution{#1.\@clsextension}%
7138 }
7139 \newcommand*\bidi@BeforeFile}[1]{%
7140   \AddToHook{file/#1/before}%
7141 }
7142 \newcommand*\bidi@AfterFile}[1]{%
7143   \AddToHook{file/#1/after}%
7144 }
7145 \newcommand*\bidi@BeforeClass}[1]{%
7146   \bidi@BeforeFile{#1.\@clsextension}%
7147 }
7148 \newcommand*\bidi@BeforePackage}[1]{%
7149   \bidi@BeforeFile{#1.\@pkgextension}%
7150 }
7151
7152 \long\def\bidi@protected@immediate@write#1#2#3{%
7153   \begingroup
7154     #2%
7155     \let\protect\@unexpandable@protect
7156     \edef\reserved@a{\immediate\write#1{#3}}%
7157     \reserved@a
7158   \endgroup
7159   \if@nobreak\ifvmode\nobreak\fi\fi
7160 }
7161
7162 \def\bidi@patch@AfterPackage#1{%
7163   \@ifpackageloaded{#1}{%
7164     \@firstofone
7165   }{%
7166     \AddToHook{package/#1/after}%
7167   }%
7168 }
7169
7170 \def\bidi@patch@AfterFile#1{%
7171   \IfFileLoadedTF{#1}{%
7172     \@firstofone
7173   }{%
7174     \AddToHook{file/#1/after}%
7175   }%
7176 }
7177
7178 \NewDocumentCommand \ApplyPatchToFile { m O{def} O{bidi} }
7179 {
7180   \bidi@patch@AfterFile{#1.#2}{%
7181     \ifnum\catcode`\@=11
7182       \input{#1-xetex-#3.def}%
7183     \else
7184       \bidi@storecatcode\@
7185       \makeatletter
7186       \input{#1-xetex-#3.def}%
7187       \bidi@restorecatcode\@
7188     \fi
7189   }%

```



```

7190 }
7191
7192 \NewDocumentCommand \ApplyPatchCodeToFile { m +m O{def} }
7193 {
7194   \bidi@patch@AfterFile{#1.#3}{#2}%
7195 }
7196
7197 \NewDocumentCommand \ApplyPatchToFilesIfPackageLoadedF { m m O{def} O{bidi} }
7198 {
7199   \AddToHook{begindocument/before}{%
7200     \IfPackageLoadedF{#1}{%
7201       \ApplyPatchToFiles{#2}[#3][#4]%
7202     }%
7203 }
7204 }
7205
7206 \NewDocumentCommand \ApplyPatchToClassIfPackageLoadedF { m m O{bidi} }
7207 {
7208   \AddToHook{begindocument/before}{%
7209     \IfPackageLoadedF{#2}{%
7210       \ifnum\catcode`\@=11
7211         \@ifclassloaded{#1}{%
7212           \input{#1-xetex-#3.def}%
7213         }{%
7214           \else
7215             \bidi@storecatcode\@
7216             \makeatletter
7217             \@ifclassloaded{#1}{%
7218               \input{#1-xetex-#3.def}%
7219             }{%
7220               \bidi@restorecatcode\@
7221             }%
7222           }%
7223         }
7224       }
7225     }
7226 \NewDocumentCommand \ApplyPatchToPackageIfPackageLoadedF { m m O{bidi} }
7227 {
7228   \AddToHook{begindocument/before}{%
7229     \IfPackageLoadedF{#2}{%
7230       \IfPackageLoadedT{#1}{%
7231         \ifnum\catcode`\@=11
7232           \input{#1-xetex-#3.def}%
7233         \else
7234           \bidi@storecatcode\@
7235           \makeatletter
7236           \input{#1-xetex-#3.def}%
7237           \bidi@restorecatcode\@
7238         \fi
7239       }%
7240     }%
7241   }
7242 }
7243

```



```

7244 \NewDocumentCommand \ApplyPatchIfPackageLoaded { m +m +m }
7245 {
7246   \AddToHook{begindocument/before}{%
7247     \ifnum\catcode`\@=11
7248       \@ifpackageloaded{#1}{#2}{#3}%
7249     \else
7250       \bidi@storecatcode\@
7251       \makeatletter
7252       \@ifpackageloaded{#1}{#2}{#3}%
7253       \bidi@restorecatcode\@
7254     \fi
7255   }
7256 }
7257
7258 \NewDocumentCommand \ApplyPatchIfPackageLoadedT { m +m }
7259 {
7260   \ApplyPatchIfPackageLoaded{#1}{#2}{}%
7261 }
7262
7263 \NewDocumentCommand \ApplyPatchIfPackageLoadedF { m +m }
7264 {
7265   \ApplyPatchIfPackageLoaded{#1}{}{#2}%
7266 }
7267
7268 \NewDocumentCommand \ApplyPatchToPackage { m O{bidi} }
7269 {
7270   \bidi@patch@AfterPackage{#1}{\input{#1-xetex-#2.def}}%
7271 }
7272
7273 \NewDocumentCommand \ApplyPatchCodeToPackage { m +m }
7274 {
7275   \bidi@patch@AfterPackage{#1}{#2}%
7276 }
7277
7278 \NewDocumentCommand \ApplyPatchToClass { m O{bidi} }
7279 {
7280   \@ifclassloaded{#1}{\input{#1-xetex-#2.def}}{}%
7281 }

```

53 File `bidituftefloat.sty`

```

7282 \NeedsTeXFormat{LaTeX2e}
7283 \ProvidesPackage{bidituftefloat}[2025/01/03 v0.3
7284 bidi implementation of tufte float]
7285 \RequirePackage{xifthen}
7286 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
7287 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
7288 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bi
7289 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
7290 \newboolean{\@bidituftefloat@reversegeometry}
7291 \setboolean{\@bidituftefloat@reversegeometry}{false}
7292 \DeclareOption{reversegeometry}{\setboolean{\@bidituftefloat@reversegeometry}{true}}
7293 \newboolean{\@bidituftefloat@a4paper}
7294 \DeclareOption{a4paper}{\setboolean{\@bidituftefloat@a4paper}{true}}

```



```

7295 \newboolean{@biditytfloat@bfivepaper}
7296 \DeclareOption{b5paper}{\setboolean{@biditytfloat@bfivepaper}{true}}
7297 \newboolean{@biditytfloat@symmetric}
7298 \newboolean{@biditytfloat@twoside}
7299 \DeclareOption{twoside}{%
7300 \@twosidetrue \mparswitchtrue%
7301 \setboolean{@biditytfloat@twoside}{true}%
7302 \setboolean{@biditytfloat@symmetric}{true}%
7303 }
7304 \DeclareOption{oneside}{%
7305 \@twosidefalse \mparswitchfalse%
7306 \setboolean{@biditytfloat@twoside}{false}%
7307 \setboolean{@biditytfloat@symmetric}{false}%
7308 }
7309 \IfClassLoadedT{book}{\ExecuteOptions{twoside}}
7310 \newboolean{@biditytfloat@debug}
7311 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodet
7312 \ProcessOptions
7313 %% Globally sets the length
7314 \newcommand*{\gsetlength}[2]{%
7315 \setlength{#1}{#2}%
7316 \global#1=#1\relax%
7317 }
7318
7319 %% Set the font sizes and baselines to match biditytfloat's books
7320 \renewcommand\normalsize{%
7321 \setfontsize\normalsize\@xpt{14}%
7322 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
7323 \abovedisplayshortskip \z@ \@plus3\p@
7324 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
7325 \belowdisplayskip \abovedisplayskip
7326 \let\@listi\@listI}
7327 \normalbaselineskip=14pt
7328 \normalsize
7329 \renewcommand\footnotesize{%
7330 \setfontsize\footnotesize\@viiipt{10}%
7331 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
7332 \abovedisplayshortskip \z@ \@plus\p@
7333 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
7334 \def\@listi{\leftmargin\leftmargini
7335 \topsep 3\p@ \@plus\p@ \@minus\p@
7336 \parsep 2\p@ \@plus\p@ \@minus\p@
7337 \itemsep \parsep}%
7338 \belowdisplayskip \abovedisplayskip
7339 }
7340 %% Paragraph indentation and separation for marginal text
7341 \newcommand{\@biditytfloat@margin@par}{%
7342 \setlength{\RaggedRightParindent}{0.5pc}%
7343 \setlength{\JustifyingParindent}{0.5pc}%
7344 \setlength{\parindent}{0.5pc}%
7345 \setlength{\parskip}{0pt}%
7346 }
7347 \RequirePackage{ragged2e}
7348 \ifthenelse{boolean{@biditytfloat@reversegeometry}}{

```




```

7349 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginp
7350 \ifthenelse{\boolean{@biditytfloat@a4paper}}
7351   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginp
7352   {}}
7353 \ifthenelse{\boolean{@biditytfloat@b5paper}}
7354   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm
7355   {}}}%
7356 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginp
7357 \ifthenelse{\boolean{@biditytfloat@a4paper}}
7358   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginp
7359   {}}
7360 \ifthenelse{\boolean{@biditytfloat@b5paper}}
7361   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm
7362   {}}
7363 \ifthenelse{\boolean{@biditytfloat@symmetric}}
7364   {}
7365   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
7366 \setlength\marginparpush{10pt}
7367 %% Font for margin items
7368 \newcommand{@biditytfloat@marginfont}{\normalfont\footnotesize}
7369 \newcommand*{@biditytfloat@caption@font}{@biditytfloat@marginfont}
7370 \newcommand*{\setcaptionfont}[1]{\renewcommand*{@biditytfloat@caption@font}{#1}}
7371 \newcommand{@biditytfloat@justification}{\justifying}%
7372 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
7373 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
7374 \newboolean{@biditytfloat@changepage}
7375 \IfFileExists{changepage.sty}{%
7376   \biditytfloatDebugInfoNL{Found changepage.sty}
7377   \RequirePackage[strict]{changepage}
7378   \setboolean{@biditytfloat@changepage}{true}
7379 }{%
7380   \biditytfloatDebugInfoNL{Found chngpage.sty}
7381   \RequirePackage[strict]{chngpage}
7382   \setboolean{@biditytfloat@changepage}{false}
7383 }
7384 \newboolean{@biditytfloat@odd@page}
7385 \setboolean{@biditytfloat@odd@page}{true}
7386 \newcommand*{@biditytfloat@checkoddpage}{%
7387   \checkoddpage%
7388   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
7389     \ifoddpage%
7390       \setboolean{@biditytfloat@odd@page}{true}%
7391     \else%
7392       \setboolean{@biditytfloat@odd@page}{false}%
7393     \fi%
7394   }{%
7395     \ifcpoddpage%
7396       \setboolean{@biditytfloat@odd@page}{true}%
7397     \else%
7398       \setboolean{@biditytfloat@odd@page}{false}%
7399     \fi%
7400   }%
7401 }
7402 \newlength{@biditytfloat@overhang}% used by the fullwidth environment and the running he

```



```

7403 \newlength{\@biditytfloat@fullwidth}
7404 \newlength{\@biditytfloat@caption@fill}
7405 \newcommand{\biditytfloatRecalculate}{%
7406   \setlength{\@biditytfloat@overhang}{\marginparwidth}
7407   \addtolength{\@biditytfloat@overhang}{\marginparsep}
7408
7409   \setlength{\@biditytfloat@fullwidth}{\textwidth}
7410   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
7411   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
7412
7413   \setlength{\@biditytfloat@caption@fill}{\textwidth}
7414   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
7415 }
7416 \AtBeginDocument{\biditytfloatRecalculate}
7417 \RequirePackage{optparams}% provides multiple optional arguments for commands
7418 \RequirePackage{placeins}
7419 \newsavebox{\@biditytfloat@margin@floatbox}
7420 \newenvironment{\@biditytfloat@margin@float}[2][1.2ex]{
7421   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in
7422   \begin{lrbox}{\@biditytfloat@margin@floatbox}%
7423   \begin{minipage}{\marginparwidth}%
7424     \@biditytfloat@caption@font%
7425     \def\capttype{#2}%
7426     \hbox{} \vspace*{#1}%
7427     \@biditytfloat@caption@justification%
7428     \@biditytfloat@margin@par%
7429     \noindent%
7430   }
7431   {\end{minipage}%
7432   \end{lrbox}%
7433   \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
7434 }
7435 \newenvironment{marginfigure}[1][1.2ex]{
7436   {\begin{\@biditytfloat@margin@float}[#1]{figure}}
7437   {\end{\@biditytfloat@margin@float}}
7438 \newenvironment{margintable}[1][1.2ex]{
7439   {\begin{\@biditytfloat@margin@float}[#1]{table}}
7440   {\end{\@biditytfloat@margin@float}}
7441 \newcommand*\@biditytfloat@justification@autodetect{\justifying}%
7442
7443 \newcommand{\@biditytfloat@float@debug@info}{% contains debug info generated as the float
7444 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
7445   \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}{
7446     {\def\@biditytfloat@float@debug@info{#1}}%
7447     {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
7448 }
7449 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
7450 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@deb
7451 \newboolean{\biditytfloat@float@recto}
7452 \newcommand{\forcerectofloat}{\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@bidityt
7453 \newcommand{\forceeversofloat}{\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@bidityt
7454 \newsavebox{\@biditytfloat@figure@box}
7455 \newsavebox{\@biditytfloat@caption@box}
7456 \let\@biditytfloat@orig@float\float

```



```

7457 \let\@biditytfloat@orig@endfloat\endfloat
7458 \newlength{\@biditytfloat@caption@vertical@offset}
7459 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
7460 \newcommand{\@biditytfloat@stored@shortcaption}{ }
7461 \newcommand{\@biditytfloat@stored@caption}{ }
7462 \newcommand{\@biditytfloat@stored@label}{ }
7463 \long\def\@biditytfloat@caption[#1][#2]#3{%
7464   \ifthenelse{\isempty{#1}}%
7465     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
7466     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
7467   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to
7468   \gdef\@biditytfloat@stored@caption{#3}%
7469 }
7470 \newcommand{\@biditytfloat@label}[1]{%
7471   \gdef\@biditytfloat@stored@label{#1}%
7472 }
7473 \newcommand{\@biditytfloat@fps}{ }
7474 \newboolean{\@biditytfloat@float@star}
7475 \newlength{\@biditytfloat@float@contents@width}
7476 \newenvironment{\@biditytfloat@float}[3][htbp]%
7477   {% begin \@biditytfloat@float
7478     % Should this float be full-width or just text-width?
7479     \ifthenelse{\equal{#3}{star}}%
7480       {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
7481       {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
7482     % Check page side (recto/verso) and store detected value -- can be overridden in environ
7483     \@biditytfloat@checkoddpage%
7484     \ifthenelse{\boolean{\@biditytfloat@odd@page}}%
7485       {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Det
7486       {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{De
7487     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-page
7488     \renewcommand{\@biditytfloat@fps}{#1}%
7489     \@biditytfloat@float@debug{Allowed positions: [ #1 ]}%
7490     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
7491       {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bo
7492       {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [to
7493     % Capture the contents of the \caption and \label commands to use later
7494     \global\let\@biditytfloat@orig@caption\caption%
7495     \global\let\@biditytfloat@orig@label\label%
7496     \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{ [ [Opt] ]}%
7497     \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
7498     % Handle subfigure package compatibility
7499     \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
7500       \bidi@patchcmd{\subfigure}{%
7501         \let\subfig@oldlabel=\label
7502         }{%
7503         \let\subfig@oldlabel=\@biditytfloat@orig@label
7504         }
7505       {}
7506       {}
7507       \let\subtable=\subfigure
7508     }{}% subfigure package is not loaded
7509     \@biditytfloat@orig@float{#2}[#1]%
7510     \ifthenelse{\boolean{\@biditytfloat@float@star}}%

```



```

7511     {\setlength{\@bituftefloat@float@contents@width}{\@bituftefloat@fullwidth}}%
7512     {\setlength{\@bituftefloat@float@contents@width}{\textwidth}}%
7513 \begin{lrbox}{\@bituftefloat@figure@box}%
7514   \begin{minipage}[\floatalignment]{\@bituftefloat@float@contents@width}\hbox{%
7515 }{\% end \@bituftefloat@float
7516   \par\hbox{ }\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}}%
7517   \end{minipage}%
7518 \end{lrbox}%
7519 % build the caption box
7520 \begin{lrbox}{\@bituftefloat@caption@box}%
7521   \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
7522     \ifthenelse{\NOT\equal{\@bituftefloat@stored@caption}{}}{\@bituftefloat@orig@ca
7523     \ifthenelse{\NOT\equal{\@bituftefloat@stored@label}{}}{\@bituftefloat@orig@labe
7524     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
7525   \end{minipage}%
7526 \end{lrbox}%
7527 % now typeset the stored boxes
7528 \begin{fullwidth}%
7529   \begin{minipage}[\floatalignment]{\linewidth}%
7530     \ifthenelse{\boolean{\@bituftefloat@float@star}}%
7531       {\@bituftefloat@float@fullwidth[\@bituftefloat@caption@vertical@offset]{\@bid
7532       {\@bituftefloat@float@textwidth[\@bituftefloat@caption@vertical@offset]{\@bid
7533     \end{minipage}%
7534 \end{fullwidth}%
7535 \@bituftefloat@orig@endfloat% end original LaTeX float environment
7536 % output debug info
7537 \ifthenelse{\boolean{\@bituftefloat@debug}}{%
7538   \typeout{^^J^^J----- bituftefloat package float information -----}%
7539   \ifthenelse{\equal{\@bituftefloat@stored@label}{}}%
7540     {\typeout{Warning: Float unlabeled!}}%
7541     {\typeout{Float label: [\@bituftefloat@stored@label]}}%
7542   \typeout{Page number: [\thepage]}%
7543   \def\MessageBreak{^^J}%
7544   \typeout{\@bituftefloat@float@debug@info}%
7545   \ifthenelse{\boolean{\@bituftefloat@symmetric}}%
7546     {\typeout{Symmetric: [true]}}%
7547     {\typeout{Symmetric: [false]}}%
7548   \typeout{-----^^J^^J}%
7549 }{}%
7550 % reset commands and temp boxes and captions
7551 \gdef\@bituftefloat@float@debug@info{}%
7552 \let\caption\@bituftefloat@orig@caption%
7553 \let\label\@bituftefloat@orig@label%
7554 \begin{lrbox}{\@bituftefloat@figure@box}\hbox{ }\end{lrbox}%
7555 \begin{lrbox}{\@bituftefloat@caption@box}\hbox{ }\end{lrbox}%
7556 \gdef\@bituftefloat@stored@shortcaption{}%
7557 \gdef\@bituftefloat@stored@caption{}%
7558 \gdef\@bituftefloat@stored@label{}%
7559 \gsetlength{\@bituftefloat@caption@vertical@offset}{0pt}% reset caption offset
7560 }
7561 \newcommand{\@bituftefloat@float@textwidth}[3][Opt]{%
7562   \ifthenelse{\NOT\boolean{\@bituftefloat@symmetric}}\OR\boolean{\@bituftefloat@float@rect
7563     % asymmetric or page is odd, so caption is on the right
7564     \hbox{%

```



```

7565     \usebox{#2}%
7566     \hspace{\marginparsep}%
7567     \smash{\raisebox{#1}{\usebox{#3}}}%
7568   }
7569   \@bituftefloat@float@debug{Caption position: [right]]%
7570 }{% symmetric pages and page is even, so caption is on the left
7571   \hbox{%
7572     \smash{\raisebox{#1}{\usebox{#3}}}%
7573     \hspace{\marginparsep}%
7574     \usebox{#2}%
7575   }
7576   \@bituftefloat@float@debug{Caption position: [left]]%
7577 }%
7578 }
7579 \newcommand{\@bituftefloat@float@fullwidth}[3] [Opt]{%
7580   \ifthenelse{equal{\floatalignment}{b}}{%
7581     {% place caption above figure
7582       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@
7583         {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bituftefloat@float@debu
7584         {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bituftefloat@float@debu
7585     }{% place caption below figure
7586       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@
7587         {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bituftefloat@float@debu
7588         {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bituftefloat@float@debu
7589     }%
7590 }
7591 \renewenvironment{figure}[1] [htbp]{%
7592   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{}}
7593   {\end{@bituftefloat@float}}
7594 \renewenvironment{table}[1] [htbp]{%
7595   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{}}
7596   {\end{@bituftefloat@float}}
7597 \renewenvironment{figure*}[1] [htbp]{%
7598   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{star}}
7599   {\end{@bituftefloat@float}}
7600 \renewenvironment{table*}[1] [htbp]{%
7601   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{star}}
7602   {\end{@bituftefloat@float}}
7603 \newenvironment{fullwidth}
7604   {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
7605     {\ifthenelse{\boolean{@bituftefloat@change page}}{\begin{adjustwidth*}}{-\@bitufteflo
7606     {\begin{adjustwidth}}{-\@bituftefloat@overhang}}%
7607   }%
7608   {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
7609     {\ifthenelse{\boolean{@bituftefloat@change page}}{\end{adjustwidth*}}{\end{adjustwidth
7610     {\end{adjustwidth}}}%
7611   }
7612 \long\def\@caption#1[#2]#3{%
7613   \par%
7614   \addcontentsline{\csname ext@#1\endcsname}{#1}%
7615     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
7616   \begingroup%
7617     \@parboxrestore%
7618   \if@minipage%

```



```

7619     \@setminipage%
7620     \fi%
7621     \@biditytfloat@caption@font\@biditytfloat@caption@justification%
7622     \noindent\csname fnum#1\endcsname: \ignorespaces#3\par%
7623     %\@makecaption{\csname fnum#1\endcsname}{\ignorespaces #3}\par
7624     \endgroup}
7625 %%
7626 % Turns newlines into spaces. Based on code from the `titlesec' package.
7627 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
7628   \@ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
7629 }
7630 \def\@biditytfloat@newlinetospace@i{%
7631   \ifdim\lastskip>\z@ \else \space \fi
7632   \ignorespaces%
7633 }
7634 \DeclareRobustCommand{\newlinetospace}[1]{%
7635   \let\@biditytfloat@orig@cr\% save the original meaning of \
7636   \def\{\@biditytfloat@newlinetospace}% turn \ and \* into \space
7637   \let\newline\% turn \newline into \space
7638   #1%
7639   \let\{\@biditytfloat@orig@cr% revert to original meaning of \
7640 }
7641 \RequirePackage{fancyhdr}
7642 \pagestyle{fancy}
7643 \AtBeginDocument{%
7644   \ifthenelse{\boolean{@biditytfloat@symmetric}}
7645     {\fancyhoffset[LE,RO]{\@biditytfloat@overhang}}
7646     {\fancyhoffset[RE,RO]{\@biditytfloat@overhang}}
7647 }
7648 % The running heads/feet don't have rules
7649 \renewcommand{\headrulewidth}{Opt}
7650 \renewcommand{\footrulewidth}{Opt}
7651 % The 'fancy' page style is the default style for all pages.
7652 \fancyhf{} % clear header and footer fields
7653   \ifthenelse{\boolean{@biditytfloat@symmetric}}
7654     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
7655     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7656     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7657 % The `plain' page style is used on chapter opening pages.
7658 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
7659 % bottom of pages -- the folios are unexpressed.
7660 \fancypagestyle{plain}{
7661   \fancyhf{} % clear header and footer fields
7662   % Uncomment the following five lines of code if you want the opening page
7663   % of the chapter to express the folio in the lower outside corner.
7664   % \ifthenelse{\boolean{@biditytfloat@symmetric}}
7665   %   {\fancyfoot[LE,RO]{\thepage}}
7666   %   {\fancyfoot[RE,RO]{\thepage}}
7667 }
7668 % The `empty' page style suppresses all headers and footers.
7669 % It's used on title pages and `intentionally blank' pages.
7670 \fancypagestyle{empty}{
7671   \fancyhf{} % clear header and footer fields
7672 }

```



```

7673 \def\morefloats{% provides a total of 52 floats
7674   \ifthenelse{\isundefined{\bx@S}}{%
7675     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
7676     \newinsert\bx@S
7677     \newinsert\bx@T
7678     \newinsert\bx@U
7679     \newinsert\bx@V
7680     \newinsert\bx@W
7681     \newinsert\bx@X
7682     \newinsert\bx@Y
7683     \newinsert\bx@Z
7684     \newinsert\bx@a
7685     \newinsert\bx@b
7686     \newinsert\bx@c
7687     \newinsert\bx@d
7688     \newinsert\bx@e
7689     \newinsert\bx@f
7690     \newinsert\bx@g
7691     \newinsert\bx@h
7692     \newinsert\bx@i
7693     \newinsert\bx@j
7694     \newinsert\bx@k
7695     \newinsert\bx@l
7696     \newinsert\bx@m
7697     \newinsert\bx@n
7698     \newinsert\bx@o
7699     \newinsert\bx@p
7700     \newinsert\bx@q
7701     \newinsert\bx@r
7702     \newinsert\bx@s
7703     \newinsert\bx@t
7704     \newinsert\bx@u
7705     \newinsert\bx@v
7706     \newinsert\bx@w
7707     \newinsert\bx@x
7708     \newinsert\bx@y
7709     \newinsert\bx@z
7710     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7711         \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7712         \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7713         \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7714         \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7715         \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7716         \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7717         \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7718         \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7719         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7720         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7721         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
7722   }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
7723     \ifthenelse{\isundefined{\bx@AA}}{%
7724       \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
7725       \newinsert\bx@AA
7726       \newinsert\bx@BB

```




```

7727 \newinsert\bx@CC
7728 \newinsert\bx@DD
7729 \newinsert\bx@EE
7730 \newinsert\bx@FF
7731 \newinsert\bx@GG
7732 \newinsert\bx@HH
7733 \newinsert\bx@II
7734 \newinsert\bx@JJ
7735 \newinsert\bx@KK
7736 \newinsert\bx@LL
7737 \newinsert\bx@MM
7738 \newinsert\bx@NN
7739 \newinsert\bx@OO
7740 \newinsert\bx@PP
7741 \newinsert\bx@QQ
7742 \newinsert\bx@RR
7743 \newinsert\bx@SS
7744 \newinsert\bx@TT
7745 \newinsert\bx@UU
7746 \newinsert\bx@VV
7747 \newinsert\bx@WW
7748 \newinsert\bx@XX
7749 \newinsert\bx@YY
7750 \newinsert\bx@ZZ
7751 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7752 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7753 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7754 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7755 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7756 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7757 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7758 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7759 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7760 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7761 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7762 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
7763 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
7764 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
7765 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
7766 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
7767 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
7768 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
7769 }{%
7770 \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
7771 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space o
7772 }%
7773 }%
7774 }
7775 \newboolean{@biditytfloat@packages@subfigure}
7776 \setboolean{@biditytfloat@packages@subfigure}{false}
7777 \AtBeginDocument{%
7778 \@ifpackageloaded{subfigure}
7779 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
7780 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%

```




```

7781 }
7782 \AtBeginDocument{%
7783   \@ifpackageloaded{float}{%
7784     % Save the redefined float environment (instead of the LaTeX float environment)
7785     \let\@biditytfloat@orig@float\float
7786     \let\@biditytfloat@orig@endfloat\endfloat
7787
7788     % Define Tuftian float styles (with the caption in the margin)
7789     \newcommand{\floatc@biditytfloatplain}[2]{%
7790       \begin{lrbox}{\@biditytfloat@caption@box}%
7791         \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
7792           \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
7793         }\end{minipage}%
7794       \end{lrbox}%
7795       \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
7796   }
7797   \newcommand{\fs@biditytfloatplain}{%
7798     \def\@fs@cfont{\@biditytfloat@caption@font}%
7799     \let\@fs@capt\floatc@biditytfloatplain%
7800     \def\@fs@pre{}%
7801     \def\@fs@post{}%
7802     \def\@fs@mid{}%
7803     \let\@fs@iftopcapt\iftrue%
7804   }
7805   \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
7806   \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
7807   \newcommand\floatc@biditytfloatruled[2]{%
7808     {\@fs@cfont #1} #2\par%
7809   }
7810   \newcommand\fs@biditytfloatruled{%
7811     \def\@fs@cfont{\@biditytfloat@caption@font}%
7812     \let\@fs@capt\floatc@biditytfloatplain%
7813     \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
7814     \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
7815     \def\@fs@mid{}%
7816     \let\@fs@iftopcapt\iftrue%
7817   }
7818   \newcommand\fs@biditytfloatboxed{%
7819     \def\@fs@cfont{}%
7820     \let\@fs@capt\floatc@biditytfloatplain%
7821     \def\@fs@pre{%
7822       \setbox\@currbox\vbox{\hbadness10000
7823         \moveleft3.4pt\vbox{\advance\hsize by6.8pt
7824           \hrule \hbox to\hsize{\vrule\kern3pt
7825             \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
7826     }%
7827     \def\@fs@mid{\kern2pt}%
7828     \def\@fs@post{}%
7829     \let\@fs@iftopcapt\iftrue%
7830   }
7831 }{%
7832 % Nothing to do
7833 }
7834 }

```




```

7886     \@bidituftesidenotemarginparreset
7887     #2%
7888     \@minipagefalse
7889     \outer@nobreak
7890     }%
7891     \color@endbox
7892 }
7893 \def \@bidituftesidenotemarginparreset {%
7894     \reset@font
7895     \normalsize
7896     \@minipagetrue
7897     \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
7898 }
7899 \def\LTRbidituftesidenotemarginpar{%
7900     \ifhmode
7901         \@bsphack
7902         \@floatpenalty -\@Mii
7903     \else
7904         \@floatpenalty-\@Miii
7905     \fi
7906     \ifinner
7907         \@parmoderr
7908         \@floatpenalty\z@
7909     \else
7910         \@next\@currbox\@freelist{}-{}%
7911         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7912         {\@floatpenalty\z@
7913             \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7914     \fi
7915     \@ifnextchar [\@LTRbidituftesidenotexmpar\@LTRbidituftesidenoteympar}
7916 \long\def\@LTRbidituftesidenotexmpar[#1]#2{%
7917     \@LTRbidituftesidenotesavemarbox\@marbox{#1}%
7918     \@LTRbidituftesidenotesavemarbox\@currbox{#2}%
7919     \@xympar}
7920 \long\def\@LTRbidituftesidenoteympar#1{%
7921     \@LTRbidituftesidenotesavemarbox\@marbox{#1}%
7922     \global\setbox\@currbox\copy\@marbox
7923     \@xympar}
7924 \long\def \@LTRbidituftesidenotesavemarbox #1#2{%
7925     \global\setbox #1%
7926     \color@vbox
7927     \vtop{%
7928         \hsize\marginparwidth
7929         \@parboxrestore
7930         \@LTRbidituftesidenotemarginparreset
7931         #2%
7932         \@minipagefalse
7933         \outer@nobreak
7934         }%
7935     \color@endbox
7936 }
7937 \def \@LTRbidituftesidenotemarginparreset {%
7938     \reset@font
7939     \normalsize

```



```

7940         \@minipagetrue
7941         \everypar{\@minipagefalse\everypar{}}\beginL}%
7942 }
7943 \def\RTLbidityftesidenotemarginpar{%
7944   \ifhmode
7945     \@bsphack
7946     \@floatpenalty -\@Mii
7947   \else
7948     \@floatpenalty-\@Miii
7949   \fi
7950   \ifinner
7951     \@parmoderr
7952     \@floatpenalty\z@
7953   \else
7954     \@next\@currbox\@freelist{ }-%
7955     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7956     {\@floatpenalty\z@
7957       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7958   \fi
7959   \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
7960 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
7961   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
7962   \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
7963   \@xympar}
7964 \long\def\@RTLbidityftesidenoteympar#1{%
7965   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
7966   \global\setbox\@currbox\copy\@marbox
7967   \@xympar}
7968 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
7969   \global\setbox #1%
7970     \color@vbox
7971     \vtop{%
7972       \hsize\marginparwidth
7973       \@parboxrestore
7974       \@RTLbidityftesidenotemarginparreset
7975       #2%
7976       \@minipagefalse
7977       \outer@nobreak
7978     }%
7979   \color@endbox
7980 }
7981 \def \@RTLbidityftesidenotemarginparreset {%
7982   \reset@font
7983   \normalsize
7984   \@minipagetrue
7985   \everypar{\@minipagefalse\everypar{}}\beginR}%
7986 }
7987 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
7988 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
7989 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
7990 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
7991 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
7992 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
7993 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}

```



```

7994 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
7995 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
7996 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
7997 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
7998 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
7999 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
8000 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
8001 \newcommand*{\setRTLsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLsidenote@font}{#1}}
8002 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
8003 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
8004 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
8005 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
8006 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
8007 \newcommand*{\setRTLcitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
8008 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@font}
8009 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@font}
8010 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@font}
8011 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
8012 \newcommand{\@bidityftesidenote@margin@par}{%
8013   \setlength{\RaggedRightParindent}{0.5pc}%
8014   \setlength{\JustifyingParindent}{0.5pc}%
8015   \setlength{\parindent}{0.5pc}%
8016   \setlength{\parskip}{0pt}%
8017 }
8018 %%
8019 % Globally sets the length
8020 \@ifundefined{gsetlength}{%
8021 \newcommand*{gsetlength}[2]{%
8022   \setlength{#1}{#2}%
8023   \global#1=#1\relax%
8024 }%
8025 }-{}
8026
8027 %%
8028 % A function that removes leading and trailing spaces from the supplied macro.
8029 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
8030 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
8031 % being trimmed of leading and trailing white space.
8032 \catcode`\Q=3
8033 \def\@bidityftesidenote@trim@spaces#1{%
8034   % Use grouping to emulate a multi-token afterassignment queue
8035   \begingroup%
8036   % Put ` \toks 0 {' into the afterassignment queue
8037   \aftergroup\toks\aftergroup0\aftergroup{%
8038     % Apply \trimb to the replacement text of #1, adding a leading
8039     % \noexpand to prevent brace stripping and to serve another purpose
8040     % later.
8041     \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
8042     % Transfer the trimmed text back into #1.
8043     \edef#1{\the\toks0}%
8044 }
8045 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
8046 % clean up any leftover bizarre Qs, and trim a leading space. In
8047 % order for \trimc to work properly we need to put back a Q first.

```



```

8048 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
8049 % Execute \vfuzz assignment to remove leading space; the \noexpand
8050 % will now prevent unwanted expansion of a macro or other expandable
8051 % token at the beginning of the trimmed text. The \endgroup will feed
8052 % in the \aftergroup tokens after the \vfuzz assignment is completed.
8053 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
8054 \catcode`\Q=11
8055 %%
8056 % Citations should go in the margin as sidenotes
8057
8058 \RequirePackage{natbib}
8059 \RequirePackage{bibentry} % allows bibitems to be typeset outside the bibliography en
8060 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
8061 \renewcommand\BR@b@bibitem[2] []{%
8062   \ifthenelse{\isempty{#1}}{%
8063     {\BR@bibitem{#2}}%
8064     {\BR@bibitem{#1}{#2}}%
8065     \BR@c@bibitem{#2}}%
8066 }
8067 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
8068 %%
8069 % Normal \cite behavior
8070 \newcounter{@bidityftesidenote@num@bibkeys}%
8071 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt]{%
8072   % Snag the last bibentry in the list for later comparison
8073   \let\@temp@last@bibkey\@empty%
8074   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8075   \sidenote[] [#1]{%
8076     % Loop through all the bibentries, separating them with semicolons and spaces
8077     \normalsize\normalfont\@bidityftesidenote@citation@font%
8078     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8079     \@for\@temp@bibkeyx:=#2\do{%
8080       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8081       {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{-}{and\ }}%
8082       \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8083       \bibentry{\@temp@bibkeyx}}%
8084       {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8085       \bibentry{\@temp@bibkeyx};\ }}%
8086     \stepcounter{@bidityftesidenote@num@bibkeys}%
8087   }%
8088 }%
8089 }
8090 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2] [Opt]{%
8091   % Snag the last bibentry in the list for later comparison
8092   \let\@temp@last@bibkey\@empty%
8093   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8094   \LTRsidenote[] [#1]{%
8095     % Loop through all the bibentries, separating them with semicolons and spaces
8096     \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
8097     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8098     \@for\@temp@bibkeyx:=#2\do{%
8099       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8100       {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{-}{and\ }}%
8101       \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey

```



```

8102         \bibentry{\@temp@bibkeyx}}%
8103         {\@bidityftesidenote@trim@spaces \@temp@bibkeyx% trim spaces around bibkey
8104         \bibentry{\@temp@bibkeyx};\ }%
8105     \stepcounter{@bidityftesidenote@num@bibkeys}%
8106 }%
8107 }%
8108 }
8109 \newcommand{\@bidityfteRTLSidenote@normal@cite}[2][Opt]{%
8110 % Snag the last bibentry in the list for later comparison
8111 \let\@temp@last@bibkey\@empty%
8112 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey \@temp@bibkey}%
8113 \RTLSidenote[] [#1]{%
8114 % Loop through all the bibentries, separating them with semicolons and spaces
8115 \normalsize\normalfont \@bidityftesidenote@citation@font%
8116 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8117 \@for\@temp@bibkeyx:=#2\do{%
8118     \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8119     {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8120     \@bidityftesidenote@trim@spaces \@temp@bibkeyx% trim spaces around bibkey
8121     \bibentry{\@temp@bibkeyx}}%
8122     {\@bidityftesidenote@trim@spaces \@temp@bibkeyx% trim spaces around bibkey
8123     \bibentry{\@temp@bibkeyx};\ }%
8124     \stepcounter{@bidityftesidenote@num@bibkeys}%
8125 }%
8126 }%
8127 }
8128 %%
8129 % Macros for holding the list of cite keys until after the \sidenote
8130 \gdef\@bidityftesidenote@citations{}% list of cite keys
8131 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cit
8132 \ifx\@bidityftesidenote@citations\@empty\else
8133 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
8134 \fi
8135 \g@addto@macro\@bidityftesidenote@citations{#1}
8136 }
8137 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin n
8138 % Snag the last bibentry in the list for later comparison
8139 \let\@temp@last@bibkey\@empty%
8140 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey \@temp@bibkey}
8141 \marginpar{%
8142     \hbox{\vspace*{#1}}%
8143     \@bidityftesidenote@citation@font%
8144     \@bidityftesidenote@citation@justification%
8145     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8146     \vspace*{-1\baselineskip}%
8147 % Loop through all the bibentries, separating them with semicolons and spaces
8148 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8149 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
8150     \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8151     {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8152     \@bidityftesidenote@trim@spaces \@temp@bibkeyx% trim spaces around bibkey
8153     \bibentry{\@temp@bibkeyx}}%
8154     {\@bidityftesidenote@trim@spaces \@temp@bibkeyx% trim spaces around bibkey
8155     \bibentry{\@temp@bibkeyx};\ }%

```



```

8156     \stepcounter{@bidituftesidenote@num@bibkeys}%
8157     }%
8158 }%
8159 }
8160 %%
8161 % \cite behavior when executed within a sidenote
8162 \newcommand{@bidituftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
8163 \newcommand{@bidituftesidenote@infootnote@cite}[1]{%
8164   \@bidituftesidenote@add@citation{#1}
8165 }
8166 %%
8167 % Set the default \cite style. This is set and reset by the \sidenote command.
8168 \let\cite\@bidituftesidenote@normal@cite
8169 \let\LTRcite\@bidituftesidenote@LTR@sidenote@normal@cite
8170 \let\RTLcite\@bidituftesidenote@RTL@sidenote@normal@cite
8171 %%
8172 % Transform existing \footnotes into \sidenotes
8173 % Sidenote: ``Where God meant footnotes to go.''' ---bidituftesidenote
8174 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arg
8175 \providecommand{\footnotelayout}{\@bidituftesidenote@sidenote@font\@bidituftesidenote@sidenote@font}
8176 \renewcommand{\footnotelayout}{\@bidituftesidenote@sidenote@font\@bidituftesidenote@sidenote@font}
8177 % Override footmisc's definition to set the sidenote marks (numbers) inside the
8178 % sidenote's text block.
8179 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark#1{\@textsuperscript{\@bidituftesidenote@font\@bidituftesidenote@font}}}%
8180 % Set the in-text footnote mark in the same typeface as the body text itself.
8181 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotemark}}}}}%
8182 \providecommand*\multiplefootnotemarker}{3sp}
8183 \providecommand*\multfootsep}{,}
8184 \bidi@patch@AfterPackage{bidi}{%
8185 \renewcommand{\@footnotemark}{%
8186   \leavevmode%
8187   \ifhmode%
8188     \edef\@x@sf{\the\spacefactor}%
8189     \@bidituftesidenote@check@multiple@sidenotes%
8190     \nobreak%
8191     \fi%
8192     \@makefnmark%
8193     \ifhmode\spacefactor\@x@sf\fi%
8194     \relax%
8195 }%
8196 }
8197 \newcommand{@bidituftesidenote@check@multiple@sidenotes}{%
8198   \ifdim\lastkern=\multiplefootnotemarker\relax%
8199     \edef\@x@sf{\the\spacefactor}%
8200     \unkern%
8201     \textsuperscript{\multfootsep}%
8202     \spacefactor\@x@sf\relax%
8203     \fi
8204 }
8205 \bidi@patch@AfterPackage{bidi}{%
8206 \renewcommand\@footnotetext[2][Opt]{%
8207   \bidituftesidenotemarginpar{%
8208     \hbox{}}\vspace*{#1}%
8209   \def\baselinestretch {\setspace@singlespace}%

```




```

8210 \reset@font%
8211 \bidi@footnotetext@font% \reset@font\footnotesize%
8212 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8213 \vspace*{-1\baselineskip}\noindent%
8214 \protected@edef\@currentlabel{%
8215     \csname p@footnote\endcsname\@thefnmark%
8216 }%
8217 \color@begingroup%
8218     \@makefntext{%
8219         \ignorespaces#2%
8220     }%
8221 \color@endgroup%
8222 }%
8223 }%
8224 \renewcommand\@LTRfootnotetext[2][Opt]{%
8225     \LTRbidityftesidenotemarginpar{%
8226         \hbox{ }\vspace*{#1}%
8227         \def\baselinestretch {\setspace@singlespace}%
8228         \reset@font%
8229         \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
8230         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8231         \vspace*{-1\baselineskip}\noindent%
8232         \protected@edef\@currentlabel{%
8233             \csname p@footnote\endcsname\@thefnmark%
8234         }%
8235         \color@begingroup%
8236             \@makefntext{%
8237                 \ignorespaces#2%
8238             }%
8239         \color@endgroup%
8240     }%
8241 }%
8242 \renewcommand\@RTLfootnotetext[2][Opt]{%
8243     \RTLbidityftesidenotemarginpar{%
8244         \hbox{ }\vspace*{#1}%
8245         \def\baselinestretch {\setspace@singlespace}%
8246         \reset@font%
8247         \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
8248         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8249         \vspace*{-1\baselineskip}\noindent%
8250         \protected@edef\@currentlabel{%
8251             \csname p@footnote\endcsname\@thefnmark%
8252         }%
8253         \color@begingroup%
8254             \@makefntext{%
8255                 \ignorespaces#2%
8256             }%
8257         \color@endgroup%
8258     }%
8259 }%
8260 }
8261 %
8262 % Define \sidenote command. Can handle \cite.
8263 \newlength{\@bidityftesidenote@sidenote@vertical@offset}

```



```

8264 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{Opt}
8265 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
8266 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
8267   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8268   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8269   \ifthenelse{\NOT\isempty{#2}}{%
8270     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8271   }{%
8272     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{Opt}%
8273   }%
8274   \ifthenelse{\isempty{#1}}{%
8275     % no specific footnote number provided
8276     \stepcounter\@mpfn%
8277     \protected@xdef\@thefnmark{\thempfn}%
8278     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8279   }{%
8280     % specific footnote number provided
8281     \begingroup%
8282     \csname c@\@mpfn\endcsname #1\relax%
8283     \unrestored@protected@xdef\@thefnmark{\thempfn}%
8284     \endgroup%
8285     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8286   }%
8287   \@bidityftesidenote@print@citations%             print any citations
8288   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite com
8289   \let\LTRcite\@bidityftesidenote@normal@cite%     go back to using normal in-text \LT
8290   \let\RTLcite\@bidityftesidenote@normal@cite%     go back to using normal in-text \RT
8291   \unskip\ignorespaces%                            remove extra white space
8292   \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
8293   \kern\multiplefootnotemarker\relax%             add new \kern here to replace the one we yanked
8294 }
8295 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
8296   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8297   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8298   \ifthenelse{\NOT\isempty{#2}}{%
8299     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8300   }{%
8301     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{Opt}%
8302   }%
8303   \ifthenelse{\isempty{#1}}{%
8304     % no specific footnote number provided
8305     \stepcounter\@mpfn%
8306     \protected@xdef\@thefnmark{\thempfn}%
8307     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8308   }{%
8309     % specific footnote number provided
8310     \begingroup%
8311     \csname c@\@mpfn\endcsname #1\relax%
8312     \unrestored@protected@xdef\@thefnmark{\thempfn}%
8313     \endgroup%
8314     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8315   }%
8316   \@bidityftesidenote@print@citations%             print any citations
8317   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite com

```



```

8318 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%      go back to using normal in-text \LT
8319 \let\RTLcite\@bidityfteRTLSidenote@normal@cite%      go back to using normal in-text \RT
8320 \unskip\ignorespaces%                                remove extra white space
8321 \kern-\multiplefootnotemarker%                      remove \kern left behind by sidenote
8322 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8323 }
8324 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
8325 \let\cite\@bidityftesidenote@infootnote@cite%      use the in-sidenote \cite command
8326 \gdef\@bidityftesidenote@citations{}%              clear out any old citations
8327 \ifthenelse{\NOT\isempty{#2}}{%
8328 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8329 }{%
8330 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{Opt}%
8331 }%
8332 \ifthenelse{\isempty{#1}}{%
8333 % no specific footnote number provided
8334 \stepcounter\@mpfn%
8335 \protected@xdef\@thefnmark{\thempfn}%
8336 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8337 }{%
8338 % specific footnote number provided
8339 \begingroup%
8340 \csname c@\@mpfn\endcsname #1\relax%
8341 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8342 \endgroup%
8343 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8344 }%
8345 \@bidityftesidenote@print@citations%                print any citations
8346 \let\cite\@bidityftesidenote@normal@cite%          go back to using normal in-text \cite com
8347 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%    go back to using normal in-text \LT
8348 \let\RTLcite\@bidityfteRTLSidenote@normal@cite%    go back to using normal in-text \RT
8349 \unskip\ignorespaces%                                remove extra white space
8350 \kern-\multiplefootnotemarker%                      remove \kern left behind by sidenote
8351 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8352 }
8353 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
8354 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
8355 \newcommand{\RTLSidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
8356 \bidi@patch@AfterPackage{bidi}{%
8357 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
8358 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
8359 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
8360 }
8361 %%
8362 % Sidenote without the footnote mark
8363 \newcommand\marginnote[2] [Opt]{%
8364 \let\cite\@bidityftesidenote@infootnote@cite%      use the in-sidenote \cite command
8365 \gdef\@bidityftesidenote@citations{}%              clear out any old citations
8366 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidity
8367 \@bidityftesidenote@print@citations%                print any citations
8368 \let\cite\@bidityftesidenote@normal@cite%          go back to using normal in-text \cite com
8369 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%    go back to using normal in-text \LT
8370 \let\RTLcite\@bidityfteRTLSidenote@normal@cite%    go back to using normal in-text \RT
8371 }

```



```

8372 \newcommand\LTRmarginnote[2][Opt]{%
8373 \let\cite@bidituftesidenote@infotnote@cite% use the in-sidenote \cite command
8374 \gdef\@bidituftesidenote@citations{}% clear out any old citations
8375 \LTRbidituftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidituftesidenote@LTRmarginnote@font%
8376 \@bidituftesidenote@print@citations% print any citations
8377 \let\cite@bidituftesidenote@normal@cite% go back to using normal in-text \cite com
8378 \let\LTRcite@bidituftesidenote@normal@cite% go back to using normal in-text \LT
8379 \let\RTLcite@bidituftesidenote@normal@cite% go back to using normal in-text \RT
8380 }
8381 \newcommand\RTLmarginnote[2][Opt]{%
8382 \let\cite@bidituftesidenote@infotnote@cite% use the in-sidenote \cite command
8383 \gdef\@bidituftesidenote@citations{}% clear out any old citations
8384 \RTLbidituftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidituftesidenote@RTLmarginnote@font%
8385 \@bidituftesidenote@print@citations% print any citations
8386 \let\cite@bidituftesidenote@normal@cite% go back to using normal in-text \cite com
8387 \let\LTRcite@bidituftesidenote@normal@cite% go back to using normal in-text \LT
8388 \let\RTLcite@bidituftesidenote@normal@cite% go back to using normal in-text \RT
8389 }

```

55 File bidituftetoc.sty

```

8390 \NeedsTeXFormat{LaTeX2e}
8391 \ProvidesPackage{bidituftetoc}[2011/06/17 v0.1
8392 bidi implementation of tufte toc]
8393 \RequirePackage{titlesec,titletoc,xifthen,biditools}
8394 \newcommand{\@bidituftetoc@pkgname}{bidituftetoc}
8395 \newcommand{\bidituftetocError}[2]{\PackageError{\@bidituftetoc@pkgname}{#1}{#2}}
8396 %%
8397 % Turn off section numbering
8398 \setcounter{secnumdepth}{-1}
8399 \newboolean{@bidituftetoc@toc}
8400 \setboolean{@bidituftetoc@toc}{true}
8401 \DeclareOption{notoc}{\setboolean{@bidituftetoc@toc}{false}}
8402 \DeclareOption{toc}{\setboolean{@bidituftetoc@toc}{true}}
8403 \ProcessOptions
8404 %%
8405 % Make Tuftian-style section headings and TOC formatting
8406 \bidi@patch@AfterPackage{bidi}{%
8407 \titleformat{\chapter}%
8408 [display]% shape
8409 {\relax\ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}{\begin{fullwidth}}{}}% format
8410 {\itshape\huge\thechapter}% label
8411 {0pt}% horizontal separation between label and title body
8412 {\huge\rmfamily\itshape}% before the title body
8413 [\ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}{\end{fullwidth}}{}}% after the titl
8414 \titleformat{\section}%
8415 [hang]% shape
8416 {\normalfont\Large\itshape}% format applied to label+text
8417 {\thesection}% label
8418 {1em}% horizontal separation between label and title body
8419 {}% before the title body
8420 []% after the title body
8421 \titleformat{\subsection}%
8422 [hang]% shape

```



```

8423 {\normalfont\large\itshape}% format applied to label+text
8424 {\thesubsection}% label
8425 {1em}% horizontal separation between label and title body
8426 {}% before the title body
8427 []% after the title body
8428 \titleformat{\paragraph}%
8429 [runin]% shape
8430 {\normalfont\itshape}% format applied to label+text
8431 {\theparagraph}% label
8432 {1em}% horizontal separation between label and title body
8433 {}% before the title body
8434 []% after the title body
8435 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
8436 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
8437 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus.2ex}
8438 }
8439 % Subsubsection and following section headings shouldn't be used.
8440 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
8441 \renewcommand\subsubsection{%
8442 \bidityftetocError{\noexpand\subsubsection is undefined by this class.%
8443 \MessageBreak See Robert Bringhurst's _The Elements of
8444 \MessageBreak Typographic Style_, section 4.2.2.
8445 \MessageBreak \noexpand\subsubsection was used}
8446 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8447 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the
8448 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
8449 }
8450 \renewcommand\subparagraph{%
8451 \bidityftetocError{\noexpand\subparagraph is undefined by this class.%
8452 \MessageBreak See Robert Bringhurst's _The Elements of
8453 \MessageBreak Typographic Style_, section 4.2.2.
8454 \MessageBreak \noexpand\subparagraph was used}
8455 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8456 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the
8457 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
8458 }
8459 % Formatting for main TOC (printed in front matter)
8460 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
8461 \ifthenelse{\boolean{@bidityftetoc@toc}}{%
8462 \bidi@patch@AfterPackage{bidi}{%
8463 \titlecontents{part}% FIXME
8464 [0em] % distance from left margin
8465 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global for
8466 {\contentslabel{2em}} % before w/label (label = ``II'')
8467 {} % before w/o label
8468 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8469 [\end{fullwidth}] % after
8470 \titlecontents{chapter}%
8471 [0em] % distance from left margin
8472 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global for
8473 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
8474 {\hspace*{0em}} % before w/o label
8475 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8476 [\end{fullwidth}] % after

```



```

8477 \titlecontents{section}% FIXME
8478 [0em] % distance from left margin
8479 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global forma
8480 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
8481 {\hspace*{2em}} % before w/o label
8482 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8483 [\end{fullwidth}] % after
8484 \titlecontents{subsection}% FIXME
8485 [0em] % distance from left margin
8486 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global forma
8487 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
8488 {\hspace*{4em}} % before w/o label
8489 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8490 [\end{fullwidth}] % after
8491 \titlecontents{paragraph}% FIXME
8492 [0em] % distance from left margin
8493 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global
8494 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
8495 {\hspace*{6em}} % before w/o label
8496 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8497 [\end{fullwidth}] % after
8498 }%
8499 }{}
8500 %%
8501 % Format lists of figures/tables
8502 \renewcommand\listoffigures{%
8503 \@ifundefined{chapter}%
8504 {\section*{\listfigurename}}%
8505 {\chapter*{\listfigurename}}%
8506 % \begin{fullwidth}%
8507 \@starttoc{lof}%
8508 % \end{fullwidth}%
8509 }
8510 \renewcommand\listoftables{%
8511 \@ifundefined{chapter}%
8512 {\section*{\listtablename}}%
8513 {\chapter*{\listtablename}}%
8514 % \begin{fullwidth}%
8515 \@starttoc{lot}%
8516 % \end{fullwidth}%
8517 }
8518 \newcommand{\@biditytetoc@lof@line}[2]{%
8519 % #1 is the figure/table number and its caption text
8520 % #2 is the page number on which the figure/table appears
8521 \leftskip 0.0em
8522 \rightskip 0em
8523 \parfillskip 0em plus 1fil
8524 \parindent 0.0em
8525 \@afterindenttrue
8526 \interlinepenalty\@M
8527 \leavevmode
8528 \@tempdima 2.0em
8529 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8530 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi

```



```

8531  {#1}\nobreak\qqquad\nobreak#2%
8532  \par%
8533  }
8534  \renewcommand*\l@figure{\@bidityfttetoc@lof@line}
8535  \let\l@table\l@figure

```

56 File `bidituftegeneralstructure.sty`

```

8536 \NeedsTeXFormat{LaTeX2e}
8537 \ProvidesPackage{bidituftegeneralstructure}[2011/06/18 v0.1
8538 bidi implementation of tufte general structure]
8539 \renewcommand\small{%
8540   \@setfontsize\small\@ixpt{12}%
8541   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
8542   \abovedisplayskip \z@ \@plus2\p@
8543   \belowdisplayskip 4\p@ \@plus2\p@ \@minus2\p@
8544   \def\@listi{\leftmargin\leftmargini
8545             \topsep 4\p@ \@plus2\p@ \@minus2\p@
8546             \parsep 2\p@ \@plus\p@ \@minus\p@
8547             \itemsep \parsep}%
8548   \belowdisplayskip \abovedisplayskip
8549 }
8550 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
8551 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
8552 \renewcommand\large{\@setfontsize\large\@xipt{15}}
8553 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
8554 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
8555 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
8556 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
8557 \setlength\leftmargini {1pc}
8558 \setlength\leftmarginii {1pc}
8559 \setlength\leftmarginiii {1pc}
8560 \setlength\leftmarginiv {1pc}
8561 \setlength\leftmarginv {1pc}
8562 \setlength\leftmarginvi {1pc}
8563 \setlength\labelsep { .5pc}
8564 \setlength\labelwidth {\leftmargini}
8565 \addtolength\labelwidth{-\labelsep}
8566 \setlength{\parindent}{1.0pc}%
8567 \setlength{\parskip}{0pt}%
8568 \RequirePackage{ragged2e}
8569 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
8570 % Paragraph indentation and separation for normal text
8571 \newcommand{\@bidityfttegeneralstructure@reset@par}{%
8572   \setlength{\RaggedRightParindent}{1.0pc}%
8573   \setlength{\JustifyingParindent}{1.0pc}%
8574   \setlength{\parindent}{1pc}%
8575   \setlength{\parskip}{0pt}%
8576 }
8577 \@bidityfttegeneralstructure@reset@par
8578 % Require paralist package for tighter lists
8579 \RequirePackage{paralist}
8580 % Add rightmargin to compactenum
8581 \def\@compactenum{%

```




```

8582 \expandafter\list\csname label\@enumctr\endcsname{%
8583 \usecounter{\@enumctr}%
8584 \rightmargin=2em% added this
8585 \parsep\plparsep
8586 \itemsep\plitemsep
8587 \topsep\pltopsep
8588 \partopsep\plpartopsep
8589 \def\makelabel##1{\hss\llap{##1}}}}
8590 %%
8591 % An environment for paragraph-style section
8592 \providecommand\newthought[1]{%
8593 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
8594 \noindent\textbf{#1}%
8595 }
8596 %%
8597 % Redefine the display environments (quote, quotation, etc.)
8598 \renewenvironment{verse}
8599     {\let\\@centercr
8600     \list{}{\itemsep \z@
8601             \itemindent -1pc%
8602             \listparindent\itemindent
8603             \rightmargin \leftmargin
8604             \advance\leftmargin 1pc}%
8605     \small%
8606     \item\relax}
8607 {\endlist}
8608 \renewenvironment{quotation}
8609     {\list{}{\listparindent 1pc%
8610             \itemindent \listparindent
8611             \rightmargin \leftmargin
8612             \parsep \z@ \@plus\p@}%
8613     \small%
8614     \item\relax\noindent\ignorespaces}
8615 {\endlist}
8616 \renewenvironment{quote}
8617     {\list{}{\rightmargin\leftmargin}%
8618     \small%
8619     \item\relax}
8620 {\endlist}
8621 % Italicize description run-in headings (instead of the default bold)
8622 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
8623 %%
8624 % Redefine \bibsection to not mark the running heads.
8625 % (Code modified from natbib.sty.)
8626 \@ifundefined{chapter}%
8627     {\renewcommand\bibsection{\section*{\refname}}}
8628     {\@ifundefined{NAT@sectionbib}%
8629     {\renewcommand\bibsection{\chapter{\bibname}}}
8630     {\renewcommand\bibsection{\section*{\bibname}}}}
8631 \RequirePackage{multicol}
8632 \renewenvironment{theindex}{%
8633 \@ifundefined{chapter}%
8634     {\section*{\indexname}}%
8635     {\chapter{\indexname}}%

```




```

8636 \begin{fullwidth}%
8637 \small%
8638 \parskip0pt%
8639 \parindent0pt%
8640 \let\item\@idxitem%
8641 \begin{multicols}{3}%
8642 }{%
8643 \end{multicols}%
8644 \end{fullwidth}%
8645 }
8646 \AtBeginDocument{%
8647 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
8648 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
8649 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
8650 \renewcommand\indexspace{\par\advspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
8651 \newcommand\lettergroup[1]{}% swallow the letter heading in the index

```

57 File `bidituftehyperref.sty`

```

8652 \NeedsTeXFormat{LaTeX2e}
8653 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
8654 bidi implementation of tufte hyperref]
8655 %%
8656 % Color
8657 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
8658 \newboolean{@bidituftehyperref@loadhyper}
8659 \setboolean{@bidituftehyperref@loadhyper}{true}
8660 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
8661 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
8662 \ProcessOptions
8663 %% Loads the hyperref package and sets some default options.
8664 \newcommand{\bidituftehyperrefLoadHyperref}{%
8665 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
8666 \hypersetup{%
8667     bookmarksdepth = section,
8668     citecolor = DarkGreen,
8669     linkcolor = DarkBlue,
8670 %     pagecolor = DarkBlue,
8671     urlcolor = DarkGreen,
8672 }%
8673 }
8674 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
8675 \bidituftehyperrefLoadHyperref%
8676 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
8677 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
8678 }

```

58 File `bidituftetitle.sty`

```

8679 \NeedsTeXFormat{LaTeX2e}
8680 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
8681 bidi implementation of tufte title]
8682 \RequirePackage{biditools}
8683 %%

```



```

8684 % `titlepage' option -- creates a full title page with \maketitle
8685 \newboolean{@bidityttitle@titlepage}
8686 \DeclareOption{titlepage}{\setboolean{@bidityttitle@titlepage}{true}}
8687 \DeclareOption{notitlepage}{\setboolean{@bidityttitle@titlepage}{false}}
8688 % Default `book' and `handout' options
8689 \@ifclassloaded{book}{%
8690 \ExecuteOptions{titlepage}}{%
8691 \@ifclassloaded{article}{%
8692 \ExecuteOptions{notitlepage}}%
8693 {}}
8694 \ProcessOptions
8695 %%
8696 % Modified \title, \author, and \date commands. These store the
8697 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
8698 \newcommand{\plaintitle}{}% plain-text-only title
8699 \newcommand{\plainauthor}{}% plain-text-only author
8700 \newcommand{\plainpublisher}{}% plain-text-only publisher
8701 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
8702 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
8703 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
8704 \newcommand{\@publisher}{}% full publisher with \thanks{}
8705 \newcommand{\thedata}{\today}
8706 \bidi@patch@AfterPackage{bidi}{%
8707 \renewcommand{\thanks}[1]{\footnote{#1}}
8708 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
8709 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
8710 }
8711 \renewcommand{\title}[2] []{%
8712 \gdef\@title{#2}%
8713 \begingroup%
8714 % TODO store contents of \thanks command
8715 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8716 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8717 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8718 \protected@xdef\thanklesstitle{#2}%
8719 \endgroup%
8720 \ifthenelse{\isempty{#1}}%
8721 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
8722 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
8723 \@ifundefined{hypersetup}%
8724 {}% hyperref is not loaded; do nothing
8725 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
8726 }
8727 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
8728 \renewcommand{\author}[2] []{%
8729 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
8730 \begingroup%
8731 % TODO store contents of \thanks command
8732 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8733 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8734 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8735 \protected@xdef\thanklessauthor{#2}%
8736 \endgroup%
8737 \ifthenelse{\isempty{#1}}%

```



```

8738   {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
8739   {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
8740   \@ifundefined{hypersetup}%
8741     {}% hyperref is not loaded; do nothing
8742     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
8743 }
8744 \renewcommand{\date}[1]{%
8745   \gdef\@date{#1}%
8746   \begingroup%
8747     % TODO store contents of \thanks command
8748     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8749     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8750     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8751     \protected@xdef\thedata{#1}%
8752   \endgroup%
8753 }
8754 %%
8755 % Provides a \publisher command to set the publisher
8756 \newcommand{\publisher}[2] []{%
8757   \gdef\@publisher{#2}%
8758   \begingroup%
8759     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8760     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8761     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8762     \protected@xdef\thanklesspublisher{#2}%
8763   \endgroup%
8764   \ifthenelse{\isempty{#1}}
8765     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
8766     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
8767 }
8768 %%
8769 % Produces a full title page
8770 \newcommand{\maketitlepage}[0]{%
8771   \cleardoublepage%
8772   {%
8773     \bfseries%
8774     \begin{fullwidth}%
8775       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
8776       \vspace{11.5pc}%
8777       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
8778       \vfill%
8779       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
8780     \end{fullwidth}%
8781   }
8782   \thispagestyle{empty}%
8783   \clearpage%
8784 }
8785 %%
8786 % Title block
8787 \bidi@AfterEndPreamble{%
8788 \renewcommand{\maketitle}{%
8789   \newpage%
8790   \global\@topnum\z@% prevent floats from being placed at the top of the page
8791   \begingroup%

```



```

8792 \setlength{\parindent}{0pt}%
8793 \setlength{\parskip}{4pt}%
8794 \let\@title\@empty%
8795 \let\@author\@empty%
8796 \let\@date\@empty%
8797 \gdef\@title{\LARGE\itshape\@title\par}%
8798 \gdef\@author{\Large\itshape\@author\par}%
8799 \gdef\@date{\Large\itshape\@date\par}%
8800 \@title%
8801 \@author%
8802 \@date%
8803 \endgroup%
8804 \thispagestyle{plain}% suppress the running head
8805 }%
8806 }
8807 %%
8808 % Title page (if the `titlepage' option was passed to the bidentufte-handout
8809 % class.)
8810 \bidi@AfterEndPreamble{%
8811 \ifthenelse{\boolean{@bidentufte-handout@titlepage}}
8812 {\renewcommand{\maketitle}{\maketitlepage}}
8813 {}
8814 }
8815 %%
8816 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
8817 % without headers and footers
8818 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
8819 \hbox{}
8820 %\vspace*{\fill}
8821 %\begin{center}
8822 % This page intentionally contains only this sentence.
8823 %\end{center}
8824 %\vspace{\fill}
8825 \thispagestyle{empty}
8826 \newpage
8827 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

59 File `bidentufte-handout.cls`

```

8828 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8829 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
8830 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
8831 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
8832 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
8833 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
8834 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
8835 \ProcessOptions\relax
8836 \LoadClass{article}
8837 \RequirePackage{bidentuftefloat}
8838 \RequirePackage{bidentuftesidenote}
8839 \RequirePackage{bidentuftetoc}
8840 \RequirePackage{bidentuftegeneralstructure}
8841 \RequirePackage{bidentuftehyperref}
8842 \RequirePackage{bidentuftetitle}

```



```

8843 \renewenvironment{abstract}
8844   {\begin{quotation}}
8845   {\end{quotation}}
8846 \AtBeginDocument{%
8847 \IfFileExists{biditufte-handout.cfg}
8848   {\input{biditufte-handout.cfg}
8849     \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
8850   {}}%
8851 }

```

60 File biditufte-book.cls

```

8852 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8853 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
8854 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
8855 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
8856 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
8857 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
8858 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
8859 \ProcessOptions\relax
8860 \LoadClass{book}
8861 \RequirePackage{bidituftefloat}
8862 \RequirePackage{bidituftesidenote}
8863 \RequirePackage{bidituftetoc}
8864 \RequirePackage{bidituftegeneralstructure}
8865 \RequirePackage{bidituftehyperref}
8866 \RequirePackage{bidituftetitle}
8867 %%
8868 % Set up any book-specific stuff now
8869 %%
8870 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
8871 % to the opening page of Chapter 1. The running heads, when they appear,
8872 % contain only the (arabic) page number in the outside corner.
8873 %\newif\if@mainmatter \@mainmattertrue
8874 \renewcommand\frontmatter{%
8875   \cleardoublepage%
8876   \@mainmatterfalse%
8877   \pagenumbering{arabic}%
8878   %\pagestyle{plain}%
8879   \fancyhf{}%
8880   \ifthenelse{\boolean{@bidituftefloat@twoside}}%
8881     {\fancyhead[LE,RO]{\thepage}}%
8882     {\fancyhead[RE,RO]{\thepage}}%
8883 }
8884 %%
8885 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
8886 % numbering---it continues where it left off in the front matter.
8887 \renewcommand\mainmatter{%
8888   \cleardoublepage%
8889   \@mainmattertrue%
8890   \fancyhf{}%
8891   \ifthenelse{\boolean{@bidituftefloat@twoside}}%
8892     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
8893     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title

```



```

8894     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}}% chapter title
8895     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book titl
8896 }
8897 %%
8898 % The back matter contains appendices, indices, glossaries, endnotes,
8899 % bibliographies, list of contributors, illustration credits, etc.
8900 \renewcommand\backmatter{%
8901   \if@openright%
8902     \cleardoublepage%
8903   \else%
8904     \clearpage%
8905   \fi%
8906   \@mainmatterfalse%
8907 }
8908 %%
8909 % Only show the chapter titles in the table of contents
8910 \setcounter{tocdepth}{0}
8911 \AtBeginDocument{%
8912   \IfFileExists{biditufte-book.cfg}
8913     {\input{biditufte-book.cfg}
8914       \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
8915     {}%
8916 }

```

61 File bidipoem.sty

```

8917 \NeedsTeXFormat{LaTeX2e}
8918 \ProvidesPackage{bidipoem}%
8919 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
8920
8921 % Usage:
8922 %
8923 % \Setversedim #1#2 % define the layout (within a group):
8924 % #1 = length of both half-verses
8925 % #2 = separation distance = length of a connection, if present
8926 % Variant:
8927 % \Setversedim #1[#2]#3 % for half-verses of unequal length
8928 % #1 = length of first (=right) half-verse
8929 % #2 = length of second (=left) half-verse
8930 % #3 = separation distance = length of a connection, if present
8931 %
8932 % \traditionalhalfverses #1#2 % typeset two separated half-verses
8933 % #1 = text of first (=right) half-verse
8934 % #2 = text of second (=left) half-verse
8935 % Variant:
8936 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
8937 % #1 = text of first (=right) half-verse
8938 % #2 = text of connection
8939 % #3 = text of second (=left) half-verse
8940 %
8941 % Alternative (if preferred):
8942 %
8943 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
8944

```



```

8945
8946 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
8947
8948 % define the layout, verses will be centered
8949
8950 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
8951 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
8952
8953 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
8954 \bidipoem@hvind \textwidth
8955 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
8956 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
8957 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipo
8958
8959 \def \bidipoem@set@verseI [#1]{% optional parameter
8960 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
8961
8962 \newcommand*{\bidipoem@set@@verse}[1]{% separation
8963 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
8964 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
8965
8966 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
8967 \ifdim Opt > \bidipoem@hvind %
8968 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
8969 \else
8970 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
8971 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
8972 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
8973 \par }
8974
8975 % macro for two half verses
8976 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
8977 \ifx [#2\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]%
8978 \else\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
8979 \bidipoem@half@verses@next}
8980
8981 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
8982 \traditionalconnverses {#1}{#2}{#3}}
8983
8984
8985 {\catcode\^^M=\active % these lines must end with %
8986 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
8987 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
8988 {\catcode\^^M=\active % these lines must end with %
8989 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
8990 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
8991 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
8992 \def\poemmarginsskip{1em plus 1fil minus 1em}
8993 \def\poemextrabaselineskip{0\baselineskip}
8994 \def\poemskip{\medskip}
8995 \newcommand{\bidipoem@openbox}{\leavevmode
8996 \hbox to .77778em{%
8997 \hfil\vrule
8998 \vbox to .675em{\hrule width.6em\vfil\hrule}%

```



```

8999 \vrule\hfil}}
9000 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
9001 \newdimen\versewidth
9002 \newtoks\bidipoem@p@ftn
9003 \def\poem@verse#1{%
9004 \ifdim\wd#1>\new@poem@width
9005 \xdef\new@poem@width{\the\wd#1}%
9006 \ifdim\new@poem@width>\poem@width
9007 \xdef\poem@width{\new@poem@width}%
9008 \global\let\poem@needrun\relax
9009 \fi
9010 \fi
9011 \hbox to\poem@width{\unhbox#1}%
9012 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
9013 }
9014 \def\poem@linebegin{\vadjust{} \hskip \@flushglue \hskip \poemmargin\relax}
9015 \def\poem@lineend{\nobreak \hskip \poemmargin\hskip \@flushglue \vadjust{}}
9016 \def\poem@lineversesep{%
9017 \nobreak
9018 \hskip\z@ plus 1filll%
9019 \penalty600%
9020 \hskip\poemcolsepskip
9021 \hskip\z@ plus -2filll%
9022 \vadjust{}}%
9023 \nobreak
9024 \hskip\z@ plus 1filll%
9025 }
9026 \def\poem@lineparsebegin{%
9027 \halign\bgroup
9028 \global\setbox\verse@i=\hbox{%
9029 \let\@footnotetext\bidipoem@p@ftntext%
9030 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9031 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9032 \let\@xfootnotenext\bidipoem@p@xftntext%
9033 \let\@xfootnote\bidipoem@p@xfootnote%
9034 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9035 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9036 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9037 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9038 \ignorespaces##\unskip}&&
9039 \global\setbox\verse@ii=\hbox{%
9040 \let\@footnotetext\bidipoem@p@ftntext%
9041 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9042 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9043 \let\@xfootnotenext\bidipoem@p@xftntext%
9044 \let\@xfootnote\bidipoem@p@xfootnote%
9045 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9046 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9047 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9048 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9049 \ignorespaces##\unskip}
9050 \cr
9051 }
9052 \def\poem@lineparseend{%

```




```

9053 \crr\egroup
9054 \vskip-\baselineskip
9055 }
9056 \def\traditionalpoem@cr{%
9057   \cr\poem@line
9058 }
9059 \newbox\verse@i
9060 \newbox\verse@ii
9061 \newif\ifpoem@started
9062
9063 \def\poem@line{%
9064 \poem@lineparseend
9065 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
9066 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
9067 \ifpoem@started
9068   \ifdim\wd\verse@ii>\z@\else
9069     \nopagebreak[3]
9070     \fi
9071     \leavevmode
9072     \poem@linebegin
9073     \poem@verse\verse@i
9074     \ifdim\wd\verse@ii>\z@
9075     \poem@lineversesep
9076     \poem@verse\verse@ii
9077     \fi
9078     \poem@lineend
9079 % \nopagebreak
9080 \par
9081 \vskip\poemextrabaseskip
9082 \fi
9083 \poem@lineparsebegin
9084 }
9085 \def\@traditionalpoem{%
9086 \stepcounter{poem@no}
9087   \ifnum\max@poem@no<\number\c@poem@no%
9088 \xdef\poem@width{\z@}%
9089   \else
9090 \xdef\poem@width{\poem@prop{poem@width}}%
9091 \fi
9092 \xdef\new@poem@width{\z@}%
9093 \global\versewidth=\poem@width
9094 \poemskip\par
9095 \begingroup
9096 \tabskip=\z@
9097 \parskip=\z@
9098 \parindent=\z@
9099 \parfillskip=\z@
9100 \rightskip=\z@
9101 \leftskip=\z@
9102 \widowpenalty=10000% No break between verses of the same line.
9103 \clubpenalty=10000% Same as above. Not really needed.
9104 \def\newblock{\hfil\poemblocksep\hfil\null}%
9105 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
9106 \def\{\global\poem@startedtrue\traditionalpoem@cr}%

```



```

9107 \global\poem@startedfalse
9108 \csname poem@obeylines\endcsname
9109 \let\poem@obeylines\relax
9110 \poem@lineparsebegin
9111 }
9112 \def\@endtraditionalpoem{%
9113 \cr
9114 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
9115 \noalign{%
9116 \skip0=\poemextrabaseskip
9117 \vskip-\skip0
9118 \vskip\baselineskip
9119 }%
9120 \fi\fi
9121 \poem@lineparseend
9122 \endgroup
9123 \par
9124 \vskip\baselineskip
9125 \poemskip
9126 \ifdim\new@poem@width<\poem@width
9127 \global\let\poem@needrun\relax
9128 \fi
9129 \poem@write@aux{\poem@width@romannumeral\c@poem@no}{\new@poem@width}%
9130 \ifx\AtEndDocument\undefined\poem@finish\fi
9131 \@endparenv
9132 }
9133
9134
9135 \long\def\bidipoem@p@ftntext#1{%
9136 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
9137 \global\bidipoem@p@ftn\expandafter{\@temp{x#1}}}%
9138 \long\def\bidipoem@p@LTRftntext#1{%
9139 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
9140 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
9141 \long\def\bidipoem@p@RTLftntext#1{%
9142 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
9143 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
9144
9145 \long\def\bidipoem@p@xftntext[#1]#2{%
9146 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}%
9147
9148 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
9149 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}%
9150
9151 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
9152 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}%
9153
9154 \def\bidipoem@p@xfootnote[#1]{%
9155 \begingroup
9156 \csname c@\@mpfn\endcsname #1\relax
9157 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9158 \endgroup
9159 \@footnotemark\bidipoem@p@xftntext[#1]}
9160

```



```

9161 \def\bidipoem@p@xLTRfootnote[#1]{%
9162   \begingroup
9163   \csname c@\@mpfn\endcsname #1\relax
9164   \unrestored@protected@xdef\@thefnmark{\thempfn}%
9165   \endgroup
9166   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
9167
9168 \def\bidipoem@p@xRTLfootnote[#1]{%
9169   \begingroup
9170   \csname c@\@mpfn\endcsname #1\relax
9171   \unrestored@protected@xdef\@thefnmark{\thempfn}%
9172   \endgroup
9173   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
9174
9175
9176
9177 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
9178 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obe
9179 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
9180 \def\poem@finish{%
9181 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
9182 \ifx\poem@needrun\relax
9183 \PackageWarning{bidipoem}{Unjustified poem. Rerun TeX to get poem right}%
9184 \global\let\poem@needrun\undefined
9185 \fi
9186 }
9187 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
9188 \newcounter{poem@no}\setcounter{poem@no}{\z@}
9189 \ifx\max@poem@no\undefined
9190   \def\max@poem@no{0}%
9191 \fi
9192 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
9193 \newcommand{\poem@write@aux}[2]{%
9194   \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
9195   \@x
9196 }
9197 \def\@modernpoem{%
9198 \par
9199 \begingroup
9200 \parskip=\z@
9201 \parindent=\z@
9202 \def\@settab{\@tabplus\ignorespaces}%
9203 \def\@tabminus{\@tabminus\ignorespaces}%
9204 \def\newblock{\poemblocksep}%
9205 \let\newpoem@tabcr\@tabcr
9206 \def\modernpoem@par{% Redefine \par for possible \obeylines
9207   \ifpoem@started\else
9208     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9209       \@stopfield
9210     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9211     \@contfield
9212   \fi
9213   \fi
9214   \ifpoem@started\newpoem@tabcr\fi}%

```



```

9215 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
9216 \global\poem@startedfalse
9217 \csname poem@obeylines\endcsname
9218 \let\poem@obeylines\relax
9219 \begin{tabbing}%
9220 }
9221 \def\@endmodernpoem{%
9222 \global\poem@startedfalse
9223 \ifdim\wd\@curline>\z\global\poem@startedtrue\else
9224   \@stopfield
9225   \ifdim\wd\@curfield>\z\global\poem@startedtrue\fi
9226   \@contfield
9227 \fi
9228 \ifpoem@started\else\let\@stopline\@stopfield\fi
9229 \end{tabbing}%
9230 \endgroup
9231 \par
9232   \if@nolist \else
9233     \ifdim\lastskip >\z@
9234       \@tempskipa\lastskip \vskip -\lastskip
9235       \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
9236       \vskip\@tempskipa
9237     \fi
9238     \@endparenv
9239   \fi
9240 }
9241 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
9242 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mod
9243 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
9244 \gdef\@startfield{%
9245 \global\setbox\@curfield\hbox\bgroup%
9246 \let\@footnotetext\bidipoem@p@ftntext%
9247 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9248 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9249 \let\@xfootnotenext\bidipoem@p@xftntext%
9250 \let\@xfootnote\bidipoem@p@xfootnote%
9251 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9252 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9253 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9254 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9255 \color@begingroup}
9256 \gdef\@stopfield{%
9257   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn
9258 \gdef\@contfield{%
9259 \global\setbox\@curfield\hbox\bgroup%
9260 \let\@footnotetext\bidipoem@p@ftntext%
9261 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9262 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9263 \let\@xfootnotenext\bidipoem@p@xftntext%
9264 \let\@xfootnote\bidipoem@p@xfootnote%
9265 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9266 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9267 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9268 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%

```



```
9269 \color@begingroup\unhbox\@curfield}
```

62 File boek3-xetex-bidi.def

```
9270 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for Xe
9271 \renewenvironment{theindex}{%
9272   \if@twocolumn
9273     \@restonecolfalse
9274   \else
9275     \@restonecoltrue
9276   \fi
9277   \columnseprule \z@
9278   \columnsep 35\p@
9279   \twocolumn[\@makeschapterhead{\indexname}]%
9280   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9281   \thispagestyle{plain}\parindent\z@
9282   \parskip\z@ \@plus .3\p@\relax
9283   \let\item\@idxitem
9284 }{%
9285   \if@restonecol\onecolumn\else\clearpage\fi}
9286 \renewcommand*{\head@style}{%
9287   \interlinepenalty \@M
9288   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9289   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9290 \renewcommand*{\@regtocline}[3]{%
9291   \ifnum #1>\c@tocdepth
9292   \else
9293     \vskip\z@\@plus.2\p@
9294     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9295     \if@RTL\rightskip\else\leftskip\fi\unitindent
9296     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9297     \parfillskip\z@
9298     \@tempdima\unitindent
9299     \parindent\z@
9300     \leavevmode
9301     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9302     \hskip 1em \nobreak{\slshape #3}\par
9303   }%
9304   \fi}
9305 \if@oldtoc
9306 \renewcommand*\l@part[2]{%
9307   \ifnum \c@tocdepth >-2\relax
9308     \addpenalty{-\@highpenalty}%
9309     \addvspace{2.25em \@plus\p@}%
9310     \begingroup
9311       \setlength\@tempdima{3em}%
9312       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9313       \parfillskip -\@pnumwidth
9314       {\leavevmode
9315         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9316         \nobreak
9317         \global\@nobreaktrue
9318         \everypar{\global\@nobreakfalse\everypar{}}%
9319     \endgroup
```



```

9320 \fi}
9321 \else
9322 \renewcommand*\l@part{%
9323 \ifnum \c@tocdepth >-2\relax
9324 \addpenalty{-\@highpenalty}%
9325 \addvspace{2.25em \@plus \p@}%
9326 \@regtocline{0}%
9327 \fi}
9328 \fi
9329 \if@oldtoc
9330 \renewcommand*\l@chapter[2]{%
9331 \addpenalty{-\@highpenalty}%
9332 \vskip 1.0em \@plus \p@
9333 \setlength\@tempdima{1.5em}%
9334 \begingroup
9335 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9336 \parfillskip -\@pnumwidth
9337 \leavevmode \bfseries
9338 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9339 \hskip -\if@RTL\rightskip\else\leftskip\fi
9340 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9341 \penalty\@highpenalty
9342 \endgroup}
9343 \else
9344 \renewcommand*\l@chapter{\@regtocline{0}}
9345 \fi
9346 \renewenvironment{abstract}{%
9347 \titlepage
9348 \null\vfil
9349 \section*{\SectFont \abstractname}
9350 \noindent\ignorespaces}
9351 {\par\vfil\null\endtitlepage}
9352 \renewenvironment{thebibliography}[1]
9353 {\chapter*{\bibname}%
9354 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9355 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9356 \bidi@thebibliography@font@hook%
9357 \list{\@biblabel{\@arabic\c@enumiv}}%
9358 {\settowidth\labelwidth{\@biblabel{#1}}%
9359 \leftmargin\labelwidth
9360 \advance\leftmargin\labelsep
9361 \@openbib@code
9362 \usecounter{enumiv}}%
9363 \let\p@enumiv\@empty
9364 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9365 \sloppy\clubpenalty4000\widowpenalty4000%
9366 \sfcode`. \m}
9367 {\def\@noitemerr
9368 {\@latex@warning{Empty `thebibliography' environment}}%
9369 \endlist}
9370 \renewcommand*\left@footnoterule{%
9371 \kern-3\p@
9372 \kern.5\baselineskip
9373 \hrule\@width\unitindent

```



```

9374 \kern.4\baselineskip
9375 }
9376 \renewcommand*\right@footnoterule{%
9377 \kern-3\p@
9378 \kern.5\baselineskip
9379 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9380 \kern.4\baselineskip}
9381 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9382 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
9383 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
9384 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
9385 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
9386 \renewcommand*\theequation{%
9387 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9388 \renewcommand*\thefigure{%
9389 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9390 \renewcommand*\thetable{%
9391 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9392 \renewcommand*\maketitle{%
9393 \begin{titlepage}%
9394 \let\footnotesize\small
9395 \let\right@footnoterule\relax
9396 \let\left@footnoterule\relax
9397 \let\textwidth@footnoterule\relax
9398 \let \footnote \thanks
9399 \long\def\@makefnmark##1{\parindent\z@
9400 \def\labelitemi{\textendash}\@revlabeltrue
9401 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9402 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9403 \if@compatibility\setcounter{page}{0}\fi
9404 \null\vfil
9405 \vskip 60\p@
9406 \begin{center}%
9407 \TitleFont
9408 {\LARGE \def\\{\penalty -\@M}
9409 \if@allcaps
9410 \expandafter\uc@nothanks\@title\thanks\relax
9411 \else
9412 \@title
9413 \fi\par}%
9414 \vskip 3em%
9415 {\large
9416 \lineskip .75em \parindent\z@
9417 \begin{tabular}[t]{c}%
9418 \if@allcaps
9419 \expandafter\uc@authornothanks\@author\and\relax
9420 \else
9421 \@author
9422 \fi
9423 \end{tabular}\par}%
9424 \vskip 1.5em%
9425 {\large
9426 \if@allcaps
9427 \uppercase\expandafter{\@date}%

```



```

9428     \else
9429         \@date
9430     \fi\par}%
9431 \end{center}\par
9432 \@thanks
9433 \vfil\null
9434 \end{titlepage}%
9435 \setcounter{footnote}{0}%
9436 \global\let\thanks\relax
9437 \global\let\maketitle\relax
9438 \global\let\@thanks\@empty
9439 \global\let\@author\@empty
9440 \global\let\@title\@empty
9441 \global\let\@date\@empty
9442 \global\let\title\relax
9443 \global\let\author\relax
9444 \global\let\date\relax
9445 \global\let\and\relax
9446 }

```

63 File boek-xetex-bidi.def

```

9447 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
9448 \renewenvironment{theindex}{%
9449     \if@twocolumn
9450         \@restonecolfalse
9451     \else
9452         \@restonecoltrue
9453     \fi
9454     \columnseprule \z@
9455     \columnsep 35\p@
9456     \twocolumn[\@makeschapterhead{\indexname}]}%
9457     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9458     \thispagestyle{plain}\parindent\z@
9459     \parskip\z@ \@plus .3\p@\relax
9460     \let\item\@idxitem
9461 }{%
9462     \if@restonecol\onecolumn\else\clearpage\fi}
9463 \renewcommand*{\head@style}{%
9464     \interlinepenalty \@M
9465     \hyphenpenalty=\@M \exhyphenpenalty=\@M
9466     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9467 \renewcommand*{\regtocline[3]}{%
9468     \ifnum #1>\c@tocdepth
9469     \else
9470         \vskip\z@\@plus.2\p@
9471         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9472         \if@RTL\rightskip\else\leftskip\fi\unitindent
9473         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9474         \parfillskip\z@
9475         \@tempdima\unitindent
9476         \parindent\z@
9477         \leavevmode
9478         \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak

```




```

9479     \hskip 1em \nobreak{\slshape #3}\par
9480     }%
9481 \fi}
9482 \if@oldtoc
9483 \renewcommand*\l@part[2]{%
9484   \ifnum \c@tocdepth >-2\relax
9485     \addpenalty{-\@highpenalty}%
9486     \addvspace{2.25em \@plus\p@}%
9487     \begingroup
9488       \setlength\@tempdima{3em}%
9489       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9490       \parfillskip -\@pnumwidth
9491       {\leavevmode
9492         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9493         \nobreak
9494         \global\@nobreaktrue
9495         \everypar{\global\@nobreakfalse\everypar{}}%
9496       \endgroup
9497     \fi}
9498 \else
9499   \renewcommand*\l@part{%
9500     \ifnum \c@tocdepth >-2\relax
9501       \addpenalty{-\@highpenalty}%
9502       \addvspace{2.25em \@plus \p@}%
9503       \@regtocline{0}%
9504     \fi}
9505 \fi
9506 \if@oldtoc
9507 \renewcommand*\l@chapter[2]{%
9508   \addpenalty{-\@highpenalty}%
9509   \vskip 1.0em \@plus\p@
9510   \setlength\@tempdima{1.5em}%
9511   \begingroup
9512   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9513   \parfillskip -\@pnumwidth
9514   \leavevmode \bfseries
9515   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9516   \hskip -\if@RTL\rightskip\else\leftskip\fi
9517   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9518   \penalty\@highpenalty
9519   \endgroup}
9520 \else
9521   \renewcommand*\l@chapter{\@regtocline{0}}
9522 \fi
9523 \renewcommand*\left@footnoterule{%
9524   \kern-3\p@
9525   \kern.5\baselineskip
9526   \hrule\@width\unitindent
9527   \kern.4\baselineskip
9528 }
9529 \renewcommand*\right@footnoterule{%
9530   \kern-3\p@
9531   \kern.5\baselineskip
9532   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }

```



```

9533 \kern.4\baselineskip}
9534 \renewenvironment{abstract}{%
9535     \titlepage
9536     \null\vfil
9537     \section*{\SectFont \abstractname}
9538     \noindent\ignorespaces}
9539     {\par\vfil\null\endtitlepage}
9540 \renewenvironment{thebibliography}[1]
9541     {\chapter*{\bibname}%
9542     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9543     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9544     \bidi@thebibliography@font@hook%
9545     \list{\@biblabel{\@arabic\c@enumiv}}%
9546         {\settowidth\labelwidth{\@biblabel{#1}}%
9547         \leftmargin\labelwidth
9548         \advance\leftmargin\labelsep
9549         \@openbib@code
9550         \usecounter{enumiv}%
9551         \let\p@enumiv\@empty
9552         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9553     \sloppy\clubpenalty4000\widowpenalty4000%
9554     \sfcode`. \m}
9555     {\def\@noitemerr
9556     {\@latex@warning{Empty `thebibliography' environment}}}%
9557     \endlist}
9558 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9559 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9560 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9561 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9562 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9563 \renewcommand*\theequation{%
9564     \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9565 \renewcommand*\thefigure{%
9566     \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@figure}
9567 \renewcommand*\thetable{%
9568     \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@table}
9569 \renewcommand*\maketitle{%
9570     \begin{titlepage}%
9571     \let\footnotesize\small
9572     \let\right@footnoterule\relax
9573     \let\left@footnoterule\relax
9574     \let\textwidth@footnoterule\relax
9575     \let \footnote \thanks
9576     \long\def\@makefnmark##1{\parindent\z@
9577     \def\labelitemi{\textendash}\@revlabeltrue
9578     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9579     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9580     \if@compatibility\setcounter{page}{0}\fi
9581     \null\vfil
9582     \vskip 60\p@
9583     \begin{center}%
9584     \TitleFont
9585     {\LARGE \def\{\penalty -\m}
9586     \if@allcaps

```



```

9587         \expandafter\uc@nothanks \@title\thanks\relax
9588     \else
9589         \@title
9590     \fi\par}%
9591 \vskip 3em%
9592 {\large
9593 \lineskip .75em \parindent\z@
9594 \begin{tabular}[t]{c}%
9595     \if@allcaps
9596         \expandafter\uc@authornothanks \@author\and\relax
9597     \else
9598         \@author
9599     \fi
9600 \end{tabular}\par}%
9601 \vskip 1.5em%
9602 {\large
9603     \if@allcaps
9604         \uppercase\expandafter{\@date}%
9605     \else
9606         \@date
9607     \fi\par}%
9608 \end{center}\par
9609 \@thanks
9610 \vfil\null
9611 \end{titlepage}%
9612 \setcounter{footnote}{0}%
9613 \global\let\thanks\relax
9614 \global\let\maketitle\relax
9615 \global\let\@thanks\@empty
9616 \global\let\@author\@empty
9617 \global\let\@title\@empty
9618 \global\let\@date\@empty
9619 \global\let\title\relax
9620 \global\let\author\relax
9621 \global\let\date\relax
9622 \global\let\and\relax
9623 }

```

64 File `bookest-xetex-bidi.def`

```

9624 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class fo
9625 \def\@makechapterhead#1{%
9626     \vspace*{20\p@}
9627     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9628         \ifnum \c@secnumdepth >\m@ne
9629             \if@mainmatter
9630                 {\colorA\huge\scshape \@chapapp\space \thechapter}
9631                 \par\nobreak
9632                 \vskip 10\p@
9633             \fi
9634         \fi
9635         \interlinepenalty\@M
9636         {\colorB\hrule}
9637         \vskip 15\p@

```



```

9638 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
9639   {\colorA\Huge \bfseries #1}\par\nobreak
9640 \if@RTL\end{flushleft}\else\end{flushright}\fi
9641 \vskip 5\p@
9642 {\colorB\hrule}
9643 \vskip 30\p@
9644 }}
9645 \def\@makeschapterhead#1{%
9646   \vspace*{20\p@}
9647   {\parindent \z@ \raggedright \normalfont
9648   {\colorB\hrule}
9649   \vskip 15\p@
9650   \begin{center}
9651     {\colorA\Huge \bfseries #1}\par\nobreak
9652   \end{center}
9653   \vskip 5\p@
9654   {\colorB\hrule}
9655   \vskip 30\p@
9656   }}

```

65 File book-xetex-bidi.def

```

9657 \ProvidesFile{book-xetex-bidi.def}[2025/09/04 v1.3 bidi adaptations for standard book class]
9658 \renewenvironment{theindex}
9659   {\if@twocolumn
9660     \@restonecolfalse
9661     \else
9662     \@restonecoltrue
9663     \fi
9664     \columnseprule \z@
9665     \columnsep 35\p@
9666     \twocolumn[\@makeschapterhead{\indexname}]}%
9667     \@mkboth{\MakeUppercase\indexname}%
9668             {\MakeUppercase\indexname}%
9669     \thispagestyle{plain}\parindent\z@
9670     \parskip\z@ \@plus .3\p@\relax
9671     \let\item\@idxitem}
9672   {\if@restonecol\onecolumn\else\clearpage\fi}
9673 \IfClassLoadedF{bookest}{%
9674   \if@titlepage
9675   \renewcommand\maketitle{\begin{titlepage}%
9676   \let\footnotesize\small
9677   \let\right@footnoterule\relax
9678   \let\left@footnoterule\relax
9679   \let\textwidth@footnoterule\relax
9680   \let \footnote \thanks
9681   \let \LTRfootnote \LTRthanks
9682   \let \RTLfootnote \RTLthanks
9683   \null\vfil
9684   \vskip 60\p@
9685   \begin{center}%
9686     {\LARGE \@title \par}%
9687     \vskip 3em%
9688     {\large

```



```

9689     \lineskip .75em%
9690     \begin{tabular}[t]{c}%
9691         \@author
9692     \end{tabular}\par}%
9693     \vskip 1.5em%
9694     {\large \@date \par}%           % Set date in \large size.
9695 \end{center}\par
9696 \@thanks
9697 \vfil\null
9698 \end{titlepage}%
9699 \setcounter{footnote}{0}%
9700 \global\let\thanks\relax
9701 \global\let\LTRthanks\relax
9702 \global\let\RTLthanks\relax
9703 \global\let\maketitle\relax
9704 \global\let\@thanks\@empty
9705 \global\let\@author\@empty
9706 \global\let\@date\@empty
9707 \global\let\@title\@empty
9708 \global\let\title\relax
9709 \global\let\author\relax
9710 \global\let\date\relax
9711 \global\let\and\relax
9712 }
9713 \else
9714 \renewcommand\maketitle{\par
9715   \begingroup
9716     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9717     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9718     \long\def\@makefntext##1{\parindent 1em\noindent
9719       \hb@xt@1.8em{%
9720         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9721     \if@twocolumn
9722       \ifnum \col@number=\@one
9723         \@maketitle
9724       \else
9725         \twocolumn[\@maketitle]%
9726       \fi
9727     \else
9728       \newpage
9729       \global\@topnum\z@   % Prevents figures from going at top of page.
9730       \@maketitle
9731     \fi
9732     \thispagestyle{plain}\@thanks
9733   \endgroup
9734   \setcounter{footnote}{0}%
9735   \global\let\thanks\relax
9736   \global\let\LTRthanks\relax
9737   \global\let\RTLthanks\relax
9738   \global\let\maketitle\relax
9739   \global\let\@maketitle\relax
9740   \global\let\@thanks\@empty
9741   \global\let\@author\@empty
9742   \global\let\@date\@empty

```



```

9743 \global\let\@title\@empty
9744 \global\let\title\relax
9745 \global\let\author\relax
9746 \global\let\date\relax
9747 \global\let\and\relax
9748 }
9749 \def\@maketitle{%
9750 \newpage
9751 \null
9752 \vskip 2em%
9753 \begin{center}%
9754 \let \footnote \thanks
9755 \let \LTRfootnote \LTRthanks
9756 \let \RTLfootnote \RTLthanks
9757 {\LARGE \@title \par}%
9758 \vskip 1.5em%
9759 {\large
9760 \lineskip .5em%
9761 \begin{tabular}[t]{c}%
9762 \@author
9763 \end{tabular}\par}%
9764 \vskip 1em%
9765 {\large \@date}%
9766 \end{center}%
9767 \par
9768 \vskip 1.5em}
9769 \fi}
9770 \IfPackageLoadedF{tocloft}{%
9771 \renewcommand*\l@part[2]{%
9772 \ifnum \c@tocdepth >-2\relax
9773 \addpenalty{-\@highpenalty}%
9774 \addvspace{2.25em \@plus\p@}%
9775 \setlength\@tempdima{3em}%
9776 \begingroup
9777 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9778 \parfillskip -\@pnumwidth
9779 {\leavevmode
9780 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9781 \nobreak
9782 \global\@nobreaktrue
9783 \everypar{\global\@nobreakfalse\everypar{}}%
9784 \endgroup
9785 \fi}
9786 \renewcommand*\l@chapter[2]{%
9787 \ifnum \c@tocdepth >\m@ne
9788 \addpenalty{-\@highpenalty}%
9789 \vskip 1.0em \@plus\p@
9790 \setlength\@tempdima{1.5em}%
9791 \begingroup
9792 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9793 \parfillskip -\@pnumwidth
9794 \leavevmode \bfseries
9795 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9796 \hskip -\if@RTL\rightskip\else\leftskip\fi

```



```

9797      #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9798      \penalty\@highpenalty
9799      \endgroup
9800      \fi}
9801  }
9802  \renewcommand\left@footnoterule{%
9803    \kern-3\p@
9804    \hrule\@width.4\columnwidth
9805    \kern2.6\p@}
9806  \renewcommand\right@footnoterule{%
9807    \kern-3\p@
9808    \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9809    \kern2.6\p@}
9810  \renewcommand\theequation
9811    {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9812  \renewcommand \thefigure
9813    {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9814  \renewcommand \thetable
9815    {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9816  \renewcommand \thechapter {\@arabic\c@chapter}
9817  \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9818  \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9819  \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9820  \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9821  \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9822  \def\@makechapterhead#1{%
9823    \vspace*{50\p@}%
9824    {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9825      \ifnum \c@secnumdepth >\m@ne
9826        \if@mainmatter
9827          \huge\bfseries \@chapapp\space \thechapter
9828          \par\nobreak
9829          \vskip 20\p@
9830        \fi
9831        \fi
9832        \interlinepenalty\@M
9833        \Huge \bfseries #1\par\nobreak
9834        \vskip 40\p@
9835    }}
9836  \def\@makeschapterhead#1{%
9837    \vspace*{50\p@}%
9838    {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9839      \normalfont
9840      \interlinepenalty\@M
9841      \Huge \bfseries #1\par\nobreak
9842      \vskip 40\p@
9843    }}
9844  \renewcommand\backmatter{%
9845    \if@openright
9846      \cleardoublepage
9847    \else
9848      \clearpage
9849    \fi
9850    \@mainmatterfalse}

```



```

9851 \IfPackageLoadedF{natbib}{%
9852 \renewenvironment{thebibliography}[1]
9853     {\chapter*{\bibname}%
9854      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9855      \ifRTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
9856      \bidi@thebibliography@font@hook%
9857      \list{\@biblabel{\@arabic\c@enumiv}}%
9858          {\settowidth\labelwidth{\@biblabel{#1}}%
9859           \leftmargin\labelwidth
9860           \advance\leftmargin\labelsep
9861           \@openbib@code
9862           \usecounter{enumiv}%
9863           \let\p@enumiv\@empty
9864           \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9865      \sloppy
9866      \clubpenalty4000
9867      \@clubpenalty \clubpenalty
9868      \widowpenalty4000%
9869      \sfcode`. \m}
9870  {\def\@noitemerr
9871   {\@latex@warning{Empty `thebibliography' environment}}%
9872   \endlist}
9873 }

```

66 File breqn-xetex-bidi.def

```

9874 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for
9875 \def\@dmath[#1]{\ifRTL@RTLfalse\fi%
9876 \everydisplay\expandafter{\the\everydisplay \display@setup}%
9877 \if@noskipsec \leavevmode \fi
9878 \if@inlabel \leavevmode \global\@inlabelfalse \fi
9879 \if@eq@group\else\eq@prelim\fi
9880 \setkeys{breqn}{#1}%
9881 \the\eqstyle
9882 \eq@setnumber
9883 \begingroup
9884 \eq@setup@a
9885 \eq@startup
9886 }
9887 \def\@dgroup[#1]{\ifRTL@RTLfalse\fi%
9888 \let\eq@group@True \global\let\eq@GRP@first@dmath@True
9889 \global\GRP@queue@emptytoks \global\setbox\GRP@box\box\voidb@x
9890 \global\let\GRP@label@empty
9891 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
9892 \global\grp@linewidth\z@\global\grp@wdNum\z@
9893 \global\let\grp@eqs@numbered@False
9894 \global\let\grp@aligned@True
9895 \global\let\grp@shiftnumber@False
9896 \eq@prelim
9897 \setkeys{breqn}{#1}%
9898 \if\grp@hasNumber \grp@setnumber \fi
9899 }
9900 \def\@dseries[#1]{\ifRTL@RTLfalse\fi%
9901 \let\display@setup\dseries@display@setup

```




```

9902 % Question: should this be the default for dseries???
9903 \global\eq@wdCond\z@
9904 \@math[layout={M},#1]%
9905 \mathsurround\z@\@math \penalty\@Mi
9906 \let\endmath\ends@math
9907 \def\premath{%
9908     \ifdim\lastskip<.3em \unskip
9909     \else\ifnum\lastpenalty<\@M \dquad\fi\fi
9910 }%
9911 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \ignorespaces}%
9912 \ignorespaces
9913 }
9914 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
9915 \renewenvironment{dsuspend}{%
9916     \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
9917     \parshape 1 \displayindent \displaywidth\relax
9918     \hsize=\columnwidth \noindent\ignorespaces
9919 }{%
9920     \par\egroup
9921     \global\setbox\GRP@box\vbox{%
9922         \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
9923         \unvbox\GRP@box
9924     }%
9925     \global\GRP@queue\@xp{\the\GRP@queue
9926         \@elt{\let\eq@isIntertext\@True}%
9927     }%
9928 }

```

67 File cals-xetex-bidi.def

```

9929 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for Xe
9930 \renewcommand\cals@setup@alignment[1]{%
9931 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
9932 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
9933 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
9934 }
9935 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
9936 \renewenvironment{calstable}[1][\cals@table@alignment]{%
9937 \if@RTLtab\cals@activate@rtl\fi
9938 \let\cals@thead@tokens=\relax
9939 \let\cals@tfoot@tokens=\relax
9940 \let\cals@tbody@tokens=\relax
9941 \cals@tfoot@height=0pt \relax
9942 \let\cals@last@context=n%
9943 \let\cals@current@context=b%
9944 \parindent=0pt \relax%
9945 \cals@setup@alignment{#1}%
9946 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
9947 %% Alignment inside is independent on center/flushright outside
9948 \parfillskip=0pt plus1fil\relax
9949 \let\cals@borderL=\relax
9950 \let\cals@borderR=\relax
9951 \let\cals@borderT=\relax
9952 \let\cals@borderB=\relax

```



```

9953 \setbox\cals@backup@row=\box\voidb@x\relax
9954 \cals@AtBeginTable
9955 }{% End of the table
9956 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
9957 \renewcommand\alignL{%
9958 \if@RTLtab
9959   \cals@vfillAdd\cals@paddingL
9960 \else
9961   \cals@vfillDrop\cals@paddingL
9962 \fi
9963 \cals@vfillDrop\cals@paddingR}
9964 \renewcommand\alignR{%
9965 \if@RTLtab
9966   \cals@vfillDrop\cals@paddingL
9967 \else
9968   \cals@vfillAdd\cals@paddingL
9969 \fi
9970 \cals@vfillDrop\cals@paddingR}

```

68 File caption-xetex-bidi.def

```

9971 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package
9972 \let\@makecaption\caption@makecaption

```

69 File caption3-xetex-bidi.def

```

9973 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
9974 \renewcommand*\caption@par{%
9975   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

70 File colortbl-xetex-bidi.def

```

9976 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
9977 \def\CT@setup{%
9978   \@tempdimb\col@sep
9979   \@tempdimc\col@sep
9980   \def\CT@color{%
9981     \global\let\CT@do@color\CT@do@color
9982     \bidicolor}}
9983 \def\@classz{\@classx
9984   \@tempcnta \count@
9985   \prepnext@tok
9986 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
9987   \@addtopreamble{\if@RTLtab\beginL\fi%
9988     \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
9989     \ifcase \@chnum
9990       \hskip\stretch{.5}\kern\z@
9991       \d@llarbegin
9992       \insert@column
9993       \d@llarend\hskip\stretch{.5}\or
9994       \d@llarbegin \insert@column \d@llarend \hfill \or
9995       \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
9996   $\vcenter
9997   \@startpbox{\@nextchar}\insert@column \@endpbox $\or

```



```

9998 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
9999 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
10000 \fi
10001 \if@RTLtab\endR\fi\egroup\egroup
10002 \begingroup
10003 \CT@setup
10004 \CT@column@color
10005 \CT@row@color
10006 \CT@cell@color
10007 \CT@do@color
10008 \endgroup
10009 \@tempdima\ht\z@
10010 \advance\@tempdima\minrowclearance
10011 \vrule\@height\@tempdima\@width\z@
10012 \unhbox\z@\if@RTLtab\endL\fi}%
10013 \prepnext@tok}

```

71 File color-xetex-bidi.def

```

10014 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for
10015 \long\def\color@b@x#1#2#3{%
10016 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
10017 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
10018 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
10019 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
10020 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
10021 \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
10022 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi}
10023 \DeclareRobustCommand\color{%
10024 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]
10025 \def\@declaredcolor#1{%
10026 \@ifundefined{string\color @#1}%
10027 {\color@error{`#1'}}%
10028 {\expandafter\let\expandafter\current@color
10029 \csname string\color @#1\endcsname
10030 \set@color}%
10031 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
10032 \def\@undeclaredcolor[#1]#2{%
10033 \@ifundefined{color@#1}%
10034 {\color@error{model `#1'}}%
10035 {\csname color@#1\endcsname\current@color{#2}%
10036 \set@color}%
10037 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
10038 \DeclareRobustCommand\bidicolor{%
10039 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]
10040 \def\@bidiundeclaredcolor[#1]#2{%
10041 \@ifundefined{color@#1}%
10042 {\color@error{model `#1'}}%
10043 {\csname color@#1\endcsname\current@color{#2}%
10044 \set@color}%
10045 \ignorespaces}
10046 \def\@bidideclaredcolor#1{%
10047 \@ifundefined{string\color @#1}%
10048 {\color@error{`#1'}}%

```



```

10049   {\expandafter\let\expandafter\current@color
10050     \csname\string\color @#1\endcsname
10051     \set@color}%
10052   \ignorespaces}
10053 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
10054 \def\color@fbox#1#2#3{%
10055   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
10056 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmo

```

72 File combine-xetex-bidi.def

```

10057 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class fo
10058 \renewcommand{\c@ll@chapsecii}[2]{%
10059   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
10060   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
10061   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10062 }
10063 \renewcommand{\c@ll@chapseci}{%
10064   \setlength\@tempdima{0em}%
10065   \begingroup
10066     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10067     \parfillskip -\@pnumwidth
10068     \leavevmode
10069 }
10070 \renewenvironment{tocindent}[1]{%
10071   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{

```

73 File crop-xetex-bidi.def

```

10072 \ProvidesFile{crop-xetex-bidi.def}[2025/01/03 v0.3 bidi adaptations for crop package for Xe
10073 \IfClassLoadedT{memoir}{\endinput}
10074 \RequirePackage{graphicx}
10075 \renewcommand*{\CROP@ulc}{%
10076   \if@RTLmain%
10077     \begin{picture}(0,0)
10078       \unitlength\p@\thinlines
10079       \put(-40,0){\circle{10}}
10080       \put(-30,-5){\line(0,1){10}}
10081       \put(-35,0){\line(1,0){30}}
10082       \put(-10,30){\circle{10}}
10083       \put(-5,30){\line(1,0){10}}
10084       \put(0,35){\line(0,-1){30}}
10085     \end{picture}%
10086   \else%
10087     \begin{picture}(0,0)
10088       \unitlength\p@\thinlines
10089       \put(-30,0){\circle{10}}
10090       \put(-30,-5){\line(0,1){10}}
10091       \put(-35,0){\line(1,0){30}}
10092       \put(0,30){\circle{10}}
10093       \put(-5,30){\line(1,0){10}}
10094       \put(0,35){\line(0,-1){30}}
10095     \end{picture}%
10096   \fi%

```



```

10097 }
10098 \renewcommand*\CROP@curc{%
10099   \if@RTLmain%
10100     \begin{picture}(0,0)
10101       \unitlength\p@\thinlines
10102       \put(20,0){\circle{10}}
10103       \put(30,-5){\line(0,1){10}}
10104       \put(35,0){\line(-1,0){30}}
10105       \put(-10,30){\circle{10}}
10106       \put(-5,30){\line(1,0){10}}
10107       \put(0,35){\line(0,-1){30}}
10108     \end{picture}%
10109   \else%
10110     \begin{picture}(0,0)
10111       \unitlength\p@\thinlines
10112       \put(30,0){\circle{10}}
10113       \put(30,-5){\line(0,1){10}}
10114       \put(35,0){\line(-1,0){30}}
10115       \put(0,30){\circle{10}}
10116       \put(-5,30){\line(1,0){10}}
10117       \put(0,35){\line(0,-1){30}}
10118     \end{picture}%
10119   \fi%
10120 }
10121 \renewcommand*\CROP@llc{%
10122   \if@RTLmain%
10123     \begin{picture}(0,0)
10124       \unitlength\p@\thinlines
10125       \put(-40,0){\circle{10}}
10126       \put(-30,-5){\line(0,1){10}}
10127       \put(-35,0){\line(1,0){30}}
10128       \put(-10,-30){\circle{10}}
10129       \put(-5,-30){\line(1,0){10}}
10130       \put(0,-35){\line(0,1){30}}
10131     \end{picture}%
10132   \else%
10133     \begin{picture}(0,0)
10134       \unitlength\p@\thinlines
10135       \put(-30,0){\circle{10}}
10136       \put(-30,-5){\line(0,1){10}}
10137       \put(-35,0){\line(1,0){30}}
10138       \put(0,-30){\circle{10}}
10139       \put(-5,-30){\line(1,0){10}}
10140       \put(0,-35){\line(0,1){30}}
10141     \end{picture}%
10142   \fi%
10143 }
10144 \renewcommand*\CROP@lrc{%
10145   \if@RTLmain%
10146     \begin{picture}(0,0)
10147       \unitlength\p@\thinlines
10148       \put(20,0){\circle{10}}
10149       \put(30,-5){\line(0,1){10}}
10150       \put(35,0){\line(-1,0){30}}

```



```

10151     \put(-10,-30){\circle{10}}
10152     \put(-5,-30){\line(1,0){10}}
10153     \put(0,-35){\line(0,1){30}}
10154 \end{picture}%
10155 \else%
10156 \begin{picture}(0,0)
10157     \unitlength\p@\thinlines
10158     \put(30,0){\circle{10}}
10159     \put(30,-5){\line(0,1){10}}
10160     \put(35,0){\line(-1,0){30}}
10161     \put(0,-30){\circle{10}}
10162     \put(-5,-30){\line(1,0){10}}
10163     \put(0,-35){\line(0,1){30}}
10164 \end{picture}%
10165 \fi%
10166 }
10167 \@ifpackagewith{crop}{cam}{%
10168 \CROP@execopt{cam}%
10169 }{}

```

74 File cutwin-xetex-bidi.def

```

10170 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for]
10171 \renewcommand*{\c@twcompctr}[2]{%
10172   \def\c@twfirst{1}
10173   \loop\advance\c@twwinlines\m@ne
10174   \setbox\c@twslicea=\vsplit#1 to\baselineskip
10175   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
10176   \c@twprune{\c@twslicea}{\c@twlftside}%
10177   \c@twprune{\c@twsliceb}{\c@twrtside}%
10178   \ifnum\c@twfirst=\@ne
10179     \setbox#2=\vbox{\unvbox#2\hbox
10180       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
10181     \else
10182       \setbox#2=\vbox{\unvbox#2\hbox
10183       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\
10184     \fi
10185   \def\c@twfirst{2}
10186   \ifnum\c@twwinlines>\z@\repeat}
10187 \renewcommand*{\c@twcompodctr}[2]{%
10188   \def\c@twrounds{1}
10189   \def\c@twfirst{1}
10190   \@for\c@twlspec:=\c@twb\do{%
10191     \ifnum\c@twrounds=1
10192       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
10193       \c@twprune{\c@twslicea}{\c@twlspec}%
10194       \def\c@twrounds{2}
10195     \else
10196       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
10197       \c@twprune{\c@twsliceb}{\c@twlspec}%
10198       \ifnum\c@twfirst=1
10199         \setbox#2=\vbox{\unvbox#2\hbox
10200         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL
10201       \def\c@twfirst{2}

```



```

10202     \else
10203         \setbox#2=\vbox{\unvbox#2\hbox
10204             to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twlicea\
10205     \fi
10206     \def\c@twrounds{1}
10207     \fi}}

```

75 File cuted-xetex-bidi.def

```

10208 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for
10209
10210 \def\RTL@outputdblcol{%
10211     \if@firstcolumn
10212         \global\@firstcolumnfalse
10213         \global\setbox\@leftcolumn\copy\@outputbox
10214         \splitmaxdepth\maxdimen
10215         \vbadness\maxdimen
10216         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10217         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10218         \toks@\expandafter{\topmark}%
10219         \xdef\@firstcoltopmark{\the\toks0}%
10220         \toks@\expandafter{\splitfirstmark}%
10221         \xdef\@firstcolfirstmark{\the\toks0}%
10222         \ifx\@firstcolfirstmark\@empty
10223             \global\let\@setmarks\relax
10224         \else
10225             \gdef\@setmarks{%
10226                 \let\firstmark\@firstcolfirstmark
10227                 \let\topmark\@firstcoltopmark}%
10228         \fi
10229     \else
10230         \global\@firstcolumntrue
10231         \setbox\@outputbox\vbox{%
10232             \hb@xt@\textwidth{%
10233                 \hskip \columnwidth
10234                 \hfil
10235                 {\normalcolor\vrule \@width\columnseprule}%
10236                 \hfil
10237                 \hb@xt@\columnwidth{%
10238                     \bidi@firstcolumn@status@write%
10239                     \box\@leftcolumn \hss}%
10240                 \hskip -\textwidth
10241                 \hb@xt@\columnwidth{%
10242                     \bidi@lastcolumn@status@write%
10243                     \box\@outputbox \hss}%
10244                 \hskip \columnsep
10245                 \hskip \columnwidth }%
10246         \ifvoid\hold@viper
10247         \else
10248             \setbox\@outputbox \vbox to\textheight{%
10249                 \box\hold@viper
10250                 \box\@outputbox
10251                 \vss
10252             }%

```



```

10253 \fi
10254 \@combinedblfloats
10255 \@setmarks
10256 \@outputpage
10257 \begingroup
10258 \@dblfloatplacement
10259 \@startdblcolumn
10260 \@whilesw@if@fcolmade \fi{\@outputpage
10261 \@startdblcolumn}%
10262 \ifvoid\@viper
10263 \else
10264 \global\setbox\@viper\vbox{%
10265 \vskip-\stripsep
10266 \unvbox\@viper
10267 }%
10268 \@viperoutput
10269 \fi
10270 \endgroup
10271 \fi}%
10272
10273 \def\LTR@outputdblcol{%
10274 \if@firstcolumn
10275 \global\@firstcolumnfalse
10276 \global\setbox\@leftcolumn\copy\@outputbox
10277 \splitmaxdepth\maxdimen
10278 \vbadness\maxdimen
10279 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10280 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10281 \toks@\expandafter{\topmark}%
10282 \xdef\@firstcoltopmark{\the\toks@}%
10283 \toks@\expandafter{\splitfirstmark}%
10284 \xdef\@firstcolfirstmark{\the\toks@}%
10285 \ifx\@firstcolfirstmark\@empty
10286 \global\let\@setmarks\relax
10287 \else
10288 \gdef\@setmarks{%
10289 \let\firstmark\@firstcolfirstmark
10290 \let\topmark\@firstcoltopmark}%
10291 \fi
10292 \else
10293 \global\@firstcolumntrue
10294 \setbox\@outputbox\vbox{%
10295 \hb@xt@\textwidth{%
10296 \hb@xt@\columnwidth{%
10297 \bidi@firstcolumn@status@write%
10298 \box\@leftcolumn \hss}%
10299 \hfil
10300 {\normalcolor\vrule \@width\columnseprule}%
10301 \hfil
10302 \hb@xt@\columnwidth{%
10303 \bidi@lastcolumn@status@write%
10304 \box\@outputbox \hss}}}%
10305 \ifvoid\hold@viper
10306 \else

```




```

10307     \setbox\@outputbox \vbox to\textheight{%
10308         \box\hold@viper
10309         \box\@outputbox
10310         \vss
10311     }%
10312 \fi
10313 \@combinedblfloats
10314 \setmarks
10315 \@outputpage
10316 \begingroup
10317     \dblfloatplacement
10318     \startdblcolumn
10319     \@whiles\if@fcolmade \fi{\@outputpage
10320 \startdblcolumn}%
10321 \ifvoid\@viper
10322 \else
10323     \global\setbox\@viper\vbox{%
10324         \vskip-\stripsep
10325         \unvbox\@viper
10326     }%
10327     \@viperoutput
10328 \fi
10329 \endgroup
10330 \fi}%
10331
10332 \def\@addviper{%
10333     \insertfalse
10334     \def\var@@thecol@num{2}%
10335     \if@firstcolumn
10336         \def\var@@thecol@num{1}%
10337         \@reqcolroom=.5\@pageht
10338         \ht@viper=\@reqcolroom
10339         \advance\@reqcolroom by\ht\@viper
10340         \advance\@reqcolroom by\stripsep
10341     \else
10342         \@reqcolroom=\@colht
10343         \advance\@reqcolroom by\@pageht
10344         \ht@viper.5\@reqcolroom
10345         \@reqcolroom=\ht@viper
10346         \advance\@reqcolroom by\ht\@viper
10347         \advance\@reqcolroom by\stripsep
10348         \global\setbox\@holdpg\vbox{%
10349             \setbox\cuted@@tempbox@a\vbox{%
10350                 \aftergroup\unvbox
10351                 \unvcopy\@leftcolumn
10352                 \unskip\unkern\unpenalty
10353                 \setbox\@tempbox@a\lastbox
10354                 \ifdim\dimexpr\ht\@tempbox@a+\wd\@tempbox@a+\dp\@tempbox@a>\z@
10355                     %% keeps lastbox
10356                 \aftergroup\@leftcolumn
10357             \else
10358                 %% removes lastbox
10359                 \aftergroup\cuted@@tempbox@a
10360             \fi

```



```

10361         }%
10362         \unskip\unkern\unpenalty
10363         \on@stripcols@break
10364         \the\At@ViperColsBreak
10365         \unvbox\@holdpg
10366     }%
10367     \global\At@ViperColsBreak{ }%
10368     \ht@viper=.5\ht\@holdpg
10369     \ifdim\ht@viper>\@colht
10370         \ht@viper=\@colht
10371     \fi
10372 \fi
10373 %%
10374 %% calculations for breaking
10375 %%
10376 \ifvoid\hold@viper
10377     \ht@hold@viper=\z@
10378 \else
10379     \ht@hold@viper=\ht\hold@viper
10380 \fi
10381 \cuted@@tempdim@b\ht@viper
10382 \set@split@topskip@to\topskip
10383 \loop
10384     \xdef\saved@tempdimb{\the\cuted@@tempdim@b}%
10385     \setbox\cuted@@varbox@a\copy\@holdpg
10386     \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
10387     %% set leftcolumn boxes
10388     \setbox\cuted@@tempbox@c\vbox{\unvbox\cuted@@tempbox@a}%
10389     \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
10390     \xdef\var@@leftcolumn@badness{\the\badness}%
10391     %% set rightcolumn boxes
10392     \setbox\cuted@@varbox@c\vbox{\unvbox\cuted@@varbox@a}%
10393     \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
10394     \xdef\var@@rightcolumn@badness{\the\badness}%
10395     %% analyzing split goodness
10396     \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
10397     \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
10398     \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
10399     \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
10400     \cuted@@wlog@debug{CUTED [-----]}%
10401     ^^JLeft: \the\ht\cuted@@tempbox@c
10402     +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
10403     ^^JRight: \the\ht\cuted@@varbox@c
10404     +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
10405     ^^JSplit: \the\cuted@@tempdim@b
10406     ^^JExtra height: \the\cuted@@tempdim@spread
10407     }%
10408     \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
10409         \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
10410             \cuted@@tempdim@spread=\z@
10411         \fi
10412     \fi
10413     \ifdim\cuted@@tempdim@spread<\z@
10414         \if@left@column@spread

```



```

10415         \if@right@column@shrink
10416             \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
10417                 \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@
10418             \else
10419                 \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\rel
10420             \fi
10421             \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbo
10422             \ifnum\badness<\cuted@@column@badness
10423                 \cuted@@tempdim@b=\cuted@@tempdim@a
10424                 \cuted@@tempdim@spread=\z@
10425             \fi
10426             \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on
10427             \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox
10428             \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on
10429         \else
10430             \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
10431                 \unvcopy\cuted@@tempbox@c
10432             }%
10433             \ifnum\badness<\cuted@@column@badness
10434                 \@tempdimb=\ht\cuted@@varbox@c
10435                 \cuted@@tempdim@spread=\z@
10436             \fi
10437             \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the
10438             \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
10439                 \unvcopy\cuted@@varbox@c
10440             }%
10441             \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the
10442         \fi
10443     \else
10444         \if@right@column@shrink
10445             \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
10446             \else
10447                 \cuted@@tempdim@b=\ht\cuted@@tempbox@c
10448                 \cuted@@tempdim@spread=\z@
10449             \fi
10450         \fi
10451     \fi
10452 \else
10453     \ifdim\cuted@@tempdim@spread>\z@
10454         \ifdim\dimexpr\@tempdimb+p@\relax>\colht
10455             \cuted@@tempdim@b=@colht
10456             \cuted@@tempdim@spread=\z@
10457         \fi
10458     \fi
10459 \fi
10460 \ifdim\cuted@@tempdim@spread<\z@
10461     \advance\cuted@@tempdim@b 1p@
10462 \repeat
10463 \wlog{CUTED [- LAST -]}
10464 ^^JExtra skip:\the\cuted@@tempdim@spread
10465 ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
10466 ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
10467 ^^JSplit: \saved@tempdimb
10468 ^^JOutput:\the\cuted@@tempdim@b

```



```

10469     ^^JPageshrink: \the\pageshrink
10470     ^^JPagestretch: \the\pagestretch
10471     ^^Jcolht:\the\colht
10472     }%
10473 %%
10474 %% final construction of the cuted page above strip
10475 %%
10476 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
10477 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
10478   \cuted@@tempdim@a=\dimexpr
10479     \cuted@@tempdim@b-\ht\cuted@@tempbox@c
10480     \relax
10481   \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
10482   \unvbox\cuted@@tempbox@c
10483   \ifdim\cuted@@tempdim@spread>\dp\strutbox
10484   \else
10485     \vskip-\cuted@@tempdim@spread
10486   \fi
10487   \prevdepth\z@
10488   \hrule\@height\cuted@@page@rule width\textwidth
10489   \vskip-\cuted@@page@rule
10490   \ifdim\cuted@@tempdim@a>\z@
10491     \if@left@column@spread
10492     \else
10493       \vss
10494     \fi
10495   \else
10496     \ifdim\cuted@@tempdim@a<\z@
10497       \if@left@column@shrink
10498       \else
10499         \vss
10500       \fi
10501     \fi
10502   \fi
10503 }%
10504 \wlog{CUTED [output]: \the\cuted@@tempdim@b
10505     ^^JCUTED [leftcolumn badness]: \number\badness
10506 }%
10507 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
10508   \cuted@@tempdim@a=\dimexpr
10509     \cuted@@tempdim@b-\ht\@holdpg
10510     \relax
10511   \unvbox\@holdpg
10512   \ifdim\cuted@@tempdim@a>\z@
10513     \if@right@column@spread
10514     \else
10515       \vss
10516     \fi
10517   \else
10518     \ifdim\cuted@@tempdim@a<\z@
10519       \if@right@column@shrink
10520       \else
10521         \vss
10522       \fi

```



```

10523         \fi
10524     \fi
10525     }%
10526 \wlog{CUTED [rightcolumn badness]: \number\badness}%
10527 \setbox\cuted@@tempbox@var\vbox{%
10528     \hb@xt@\textwidth{%
10529         \if@RTLmain
10530             \hskip \columnwidth
10531             \hfil
10532             {\normalcolor\vrule \@width\columnseprule}%
10533             \hfil
10534             \hb@xt@\columnwidth{%
10535                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10536                 \hss
10537             }%
10538             \hskip -\textwidth
10539             \hb@xt@\columnwidth{%
10540                 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10541                 \hss
10542             }%
10543             \hskip \columnsep
10544             \hskip \columnwidth
10545         \else
10546             \hb@xt@\columnwidth{%
10547                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10548                 \hss
10549             }%
10550             \hfil
10551             {\normalcolor\vrule \@width\columnseprule}%
10552             \hfil
10553             \hb@xt@\columnwidth{%
10554                 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10555                 \hss
10556             }%
10557         \fi
10558     }%
10559 }%
10560 %%
10561 %% finalize cuted page
10562 %%
10563 \ifvoid\hold@viper
10564     \global\setbox\hold@viper\vbox{%
10565         \unvbox\cuted@@tempbox@var
10566         \penalty\interlinepenalty
10567         \vskip\stripsep
10568         \the\preCutedStrip
10569         \ifnum\outputpenalty<-\@Mii
10570             \vskip -\parskip
10571         \fi
10572         \outputpenalty\z@
10573     }%
10574 \else
10575     \global\setbox\hold@viper\vbox{%
10576         \unvbox\hold@viper

```



```

10577         \cuted@@tempbox@var
10578         \penalty\interlinepenalty
10579         \vskip\stripsep
10580         \the\preCutedStrip
10581         \ifnum\outputpenalty<-\@Mii
10582             \vskip -\parskip
10583         \fi
10584         \outputpenalty\z@
10585     }%
10586 \fi
10587 \ifdim\@colht>\@reqcolroom
10588     \global\setbox\hold@viper\vbox{%
10589         \unvbox\hold@viper
10590         \box\@viper
10591         \penalty\interlinepenalty
10592         \the\postCutedStrip
10593         \vskip\stripsep
10594         \ifnum\outputpenalty<-\@Mii
10595             \vskip -\parskip
10596         \fi
10597         \outputpenalty\z@
10598     }%
10599     \@inserttrue
10600     \global\@firstcolumntrue
10601     \advance\ht@hold@viper by-\ht@hold@viper
10602     \global\advance\@colht by\ht@hold@viper
10603     \ifdim\@colht<2.5\baselineskip
10604         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
10605             too tall on page \thepage (\var@@thecol@num column)}%
10606         \@emptycol
10607         \if@firstcolumn
10608             \else
10609                 \@emptycol
10610             \fi
10611         \global\@lastvipertrue
10612     \else
10613         \global\vsizel\@colht
10614         \global\@colroom\@colht
10615         \check@floats\cuted@@tempdim@a
10616         \ifdim\cuted@@tempdim@a>\z@
10617             \global\advance\@colroom by-\cuted@@tempdim@a
10618         \fi
10619         \ifdim\@colroom<\z@
10620             \global\@colroom1\p@
10621             \ifdim\cuted@@tempdim@a>\@colht
10622                 \@latex@warning@no@line{TOP and/or BOT FLOAT's
10623                     to large on \thepage (\var@@thecol@num column)}%
10624             \fi
10625             \@emptycol
10626             \if@firstcolumn
10627                 \else
10628                     \@emptycol
10629                 \fi
10630             \global\@lastvipertrue

```



```

10631         \fi
10632     \fi
10633 \fi
10634 \if@insert
10635 \else
10636     \advance\ht@hold@viper by-\ht\hold@viper
10637     \global\advance\@colht by\ht@hold@viper
10638     \global\setbox\hold@viper\vbox{%
10639         \unvbox\hold@viper
10640         \set@split@topskip@to{\z@ plus2\p@}%
10641         \vsplit\@viper to\@colht
10642         \vss
10643     }%
10644     \vbox{}%
10645     \global\@firstcolumnfalse
10646     \newpage
10647 \fi
10648 }

```

76 File cvthemebidicasual.sty

```

10649 \NeedsTeXFormat{LaTeX2e}
10650 \ProvidesPackage{cvthemebidicasual}
10651 \DeclareOption{blue}{}
10652 \newif\if@colourorange\@colourorangefalse
10653 \DeclareOption{orange}{\@colourorange>true}
10654 \newif\if@colourgreen\@colourgreenfalse
10655 \DeclareOption{green}{\@colourgreentrue}
10656 \newif\if@colourred\@colourredfalse
10657 \DeclareOption{red}{\@colourred>true}
10658 \newif\if@colourgrey\@colourgreyfalse
10659 \DeclareOption{grey}{\@colourgrey>true}
10660 \DeclareOption*{
10661     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
10662 \ExecuteOptions{colour}
10663 \ProcessOptions\relax
10664 \renewcommand*{\listitemsymbol}{\textbullet}
10665 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
10666 \familynamecolour{808080}
10667 \firstnamecolour{A9A9A9}
10668 \quotecolour{696969}
10669 \addresscolour{696969}
10670 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
10671 \sectiontitlecolour{1E90FF}
10672 \subsectioncolour{4682B4}
10673 \definecolor{rulecolour}{gray}{0.6}
10674 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
10675 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
10676 \if@colourorange
10677     \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10678     \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10679     \sectiontitlecolour{FF8C00}
10680     \subsectioncolour{FF8C00}
10681     \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}

```



```

10682 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
10683 \if@colourgreen
10684 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10685 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10686 \sectiontitlecolour{008000}
10687 \subsectioncolour{008000}
10688 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
10689 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
10690 \if@coloured
10691 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10692 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10693 \sectiontitlecolour{FF0000}
10694 \subsectioncolour{FF0000}
10695 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
10696 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
10697 \if@colourgrey
10698 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10699 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10700 \sectiontitlecolour{808080}
10701 \subsectioncolour{808080}
10702 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
10703 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
10704 \renewcommand*{\ttdefault}{pcr}
10705 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
10706 \renewcommand*{\familynamefont}{\firstnamefont}
10707 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10708 \renewcommand*{\quoteftfont}{\large\slshape}
10709 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10710 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10711 \renewcommand*{\maketitle}{%
10712   {%
10713     \ifthenelse{\isundefined{\@photo}}{%
10714       {}%
10715       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}}%
10716     \hfill%
10717     \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]
10718     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
10719     \ifthenelse{\isundefined{\@quote}}{%
10720       {}%
10721       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}
10722     }%
10723 \newif\if@firstfooterelement\@firstfooterelementtrue
10724 \providecommand*{\footersymbol}{}
10725 \renewcommand*{\footersymbol}{%
10726   \if@firstfooterelement%
10727   \else%
10728     { --\color{footersymbolcolor}\textbullet~~}\fi}
10729 \providecommand*{\makefooter}{}
10730 \renewcommand*{\makefooter}{%
10731   \fancypagestyle{plain}{%
10732     \fancyfoot[c]{%
10733       \parbox{0.8\textwidth}{%
10734         \centering%
10735         \addressfont\@addresscolour%

```




```

10736     \ifthenelse{\isundefined{\@address}}{\}{\%
10737         \addresssymbol~\@address\\%
10738         \@firstfooterelementfalse}%
10739     \ifthenelse{\isundefined{\@mobile}}{\}{\mobilesymbol~\@mobile\@firstfooterelementfalse}
10740     \ifthenelse{\isundefined{\@phone}}{\}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}
10741     \ifthenelse{\isundefined{\@fax}}{\}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}
10742     \ifthenelse{\isundefined{\@email}}{\}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}
10743     \ifthenelse{\isundefined{\@extrainfo}}{\}{\footersymbol\@extrainfo\@firstfooterelementfalse}
10744 }%
10745 \pagestyle{plain}}
10746 \AtBeginDocument{\makefooter}

```

77 File cvthemebidiclassic.sty

```

10747 \NeedsTeXFormat{LaTeX2e}
10748 \ProvidesPackage{cvthemebidiclassic}
10749 \DeclareOption{blue}{\}
10750 \newif\if@colourorange\@colourorangefalse
10751 \DeclareOption{orange}{\@colourorange>true}
10752 \newif\if@colourgreen\@colourgreenfalse
10753 \DeclareOption{green}{\@colourgreen>true}
10754 \newif\if@coloured\@colouredfalse
10755 \DeclareOption{red}{\@coloured>true}
10756 \newif\if@colourgrey\@colourgreyfalse
10757 \DeclareOption{grey}{\@colourgrey>true}
10758 \DeclareOption*{\}
10759 \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}
10760 \ExecuteOptions{colour}
10761 \ProcessOptions\relax
10762 \renewcommand*{\listitemsymbol}{\textbullet}
10763 \firstnamecolour{}
10764 \familynamecolour{}
10765 \titlecolour{808080}
10766 \quotecolour{696969}
10767 \addresscolour{696969}
10768 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
10769 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
10770 \sectiontitlecolour{1E90FF}
10771 \subsectioncolour{4682B4}
10772 \if@colourorange
10773     \addresscolour{FF8C00}
10774     \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10775     \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
10776     \sectiontitlecolour{FF8C00}
10777     \subsectioncolour{FF8C00}\fi
10778 \if@colourgreen
10779     \addresscolour{008000}
10780     \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10781     \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10782     \sectiontitlecolour{008000}
10783     \subsectioncolour{008000}\fi
10784 \if@coloured
10785     \addresscolour{FF0000}
10786     \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}

```



```

10787 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10788 \sectiontitlecolour{FF0000}
10789 \subsectioncolour{FF0000}\fi
10790 \if@colourgrey
10791 \addresscolour{808080}
10792 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10793 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10794 \sectiontitlecolour{808080}
10795 \subsectioncolour{808080}\fi
10796 \renewcommand*{\ttdefault}{pcr}
10797 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
10798 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
10799 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10800 \renewcommand*{\familynamefont}{\firstnamefont}
10801 \renewcommand*{\quoteFont}{\large\slshape}
10802 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10803 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10804 \newlength{\maketitlenamemaxwidth}
10805 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
10806 \newlength{\maketitlenamewidth}
10807 \settowidth{\maketitlenamewidth}{\firstnamestyle{\@firstname-}\familynamestyle{\@familyname-}}
10808 \newlength{\maketitlepicturewidth}
10809 \ifnum\maketitlenamemaxwidth<\maketitlenamewidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}
10810 \newlength{\maketitlepicturewidth}
10811 \setlength{\maketitlepicturewidth}{\@photowidth}
10812 \newlength{\maketitledetailwidth}
10813 \renewcommand*{\recomputethemelengths}{%
10814 \setlength{\maketitledetailwidth}{\textwidth}%
10815 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
10816 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
10817 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
10818 \recomputethemelengths
10819 \newif\if@firstdetailselement\@firstdetailselementtrue
10820 \newcommand*{\maketitledetailsnewline}{
10821 \if@firstdetailselement%
10822 \@firstdetailselementfalse%
10823 \else%
10824 \[\[.2em]\fi}
10825 \renewcommand*{\maketitle}{%
10826 % name and title
10827 \begin{minipage}[b]{\maketitlenamewidth}%
10828 \firstnamestyle{\@firstname-}\familynamestyle{\@familyname-}%
10829 \ifthenelse{\equal{\@title}{}}{\[\[1.25em]\titlestyle{\@title}}%
10830 \end{minipage}%
10831 % optional data
10832 \begin{minipage}[b]{\maketitledetailwidth}%
10833 \bidi@raggedleft\addressfont\@addresscolour%
10834 \ifthenelse{\isundefined{\@address}}{\[\[.2em]\fi%
10835 \maketitledetailsnewline%
10836 \addresssymbol~\[\[.2em]\@address}%
10837 \ifthenelse{\isundefined{\@mobile}}{\[\[.2em]\fi%
10838 \maketitledetailsnewline\mobilesymbol~\@mobile}%
10839 \ifthenelse{\isundefined{\@phone}}{\[\[.2em]\fi%
10840 \maketitledetailsnewline\phonesymbol~\@phone}%
10841 \ifthenelse{\isundefined{\@fax}}{\[\[.2em]\fi%
10842 \maketitledetailsnewline\faxsymbol~\@fax}%
10843 \ifthenelse{\isundefined{\@email}}{\[\[.2em]\fi%
10844 \maketitledetailsnewline\emailsymbol~\@email}%

```



```

10841 \ifthenelse{\isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
10842 \end{minipage}%
10843 % optional photo
10844 \ifthenelse{\isundefined{\@photo}}%
10845 {}%
10846 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
10847 % optional quote
10848 \ifthenelse{\isundefined{\@quote}}%
10849 {}%
10850 {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\
10851 }

```

78 File dblfnote-xetex-bidi.def

```

10852 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote packag
10853 \let\autofootnoterule\relax
10854 \let\rightfootnoterule\relax
10855 \let\leftfootnoterule\relax
10856 \let\textwidthfootnoterule\relax
10857 \let\LRfootnoterule\relax
10858 \def\footnoterule{\kern-3\p@
10859 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
10860 \AtBeginDocument{\let\dfn@latex@footnotetext\footnotetext
10861 \let\@footnotetext\dfn@footnotetext}
10862 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
10863 \let\insert\dfn@gobble
10864 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10865 \def\@makefnmark{\smash{\dfn@makefnmark}}
10866 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10867 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10868 \ifdim\dfn@dima>z\else
10869 \dfn@dima1sp\relax
10870 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10871 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10872 \ifvoid\dfn@ins\else
10873 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10874 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10875 \setbox\dfn@boxa\copy\dfn@ins
10876 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10877 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10878 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10879 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10880 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10881 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
10882 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
10883 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
10884 \let\insert\dfn@gobble
10885 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10886 \def\@makefnmark{\smash{\dfn@makefnmark}}
10887 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10888 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10889 \ifdim\dfn@dima>z\else
10890 \dfn@dima1sp\relax
10891 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi

```



```

10892 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10893 \ifvoid\dfn@ins\else
10894 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10895 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10896 \setbox\dfn@boxa\copy\dfn@ins
10897 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10898 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10899 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10900 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10901 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}\number\@tempdima}}}}
10902 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
10903 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
10904 \def\dfn@RTLmakecol{{\ifvoid\footins\else
10905 \dfn@dima\ht\footins
10906 \@tempcnta\z@ \dfn@countins
10907 \@tempdima\z@ \let\@elt\dfn@elt@getht
10908 \dfn@list\@nil
10909 \ifdim\@tempdima=\z@\else
10910 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10911 \global\setbox\dfn@ins\box\dfn@ins
10912 \@tempswatrue
10913 \ifdfn@trysingle
10914 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10915 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10916 \advance\@tempdima-\skip\footins
10917 \advance\@tempdima-\ht\dfn@boxa
10918 \ifdim\@tempdima<\z@\else \@tempswafalse
10919 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10920 \footnoterule \unvbox\dfn@boxa}\fi\fi
10921 \if@tempswa
10922 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10923 \global\setbox\footins\vbox{\hbox{%
10924 \hskip \DFNcolumnwidth
10925 \hskip \DFNcolumnsep
10926 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10927 \unvbox\dfn@boxb\vss}\hss}
10928 \hskip -\textwidth
10929 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10930 \vbox to\@tempdima{
10931 \setbox\@tempboxa\vbox{\footnoterule}
10932 \ifdfn@ruleboth \unvbox\@tempboxa
10933 \else \@tempdima\ht\@tempboxa
10934 \advance\@tempdima\dp\@tempboxa
10935 \vskip\@tempdima
10936 \prevdepth\dp\@tempboxa \fi
10937 \unvbox\dfn@boxa\vss}\fi\hss}
10938 \hskip \DFNcolumnsep
10939 \hskip \DFNcolumnwidth}}\fi\fi
10940 \global\dfn@fnht\z@
10941 \ifx\dfn@list\@empty\else
10942 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dima\z@
10943 \dfn@list \global\advance\dfn@fnht\dfn@dima
10944 \let\@elt\relax
10945 \ifdim\dfn@dima>\z@

```



```

10946         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10947         \insert\footins{\floatingpenalty\@MM
10948             \vbox to\dfn@dimb{}}\fi
10949     \ifdim\dfn@fnht>\@tempdima
10950         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10951         \global\dfn@fnht\@tempdima
10952         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10953         \xdef\dfn@afteroutput{\insert\footins{
10954             \floatingpenalty\@MM
10955             \vbox to\number\@tempdimb sp{}}}%
10956         \global\let\noexpand\dfn@afteroutput\relax}%
10957     \fi\fi
10958 \fi}%
10959 \let\footnoterule\relax \dfn@latex@makecol
10960 \let\footnoterule\dfn@footnoterule}
10961 \def\dfn@LTRmakecol{\ifvoid\footins\else
10962     \dfn@dimah\ht\footins
10963     \@tempcnta\z@ \dfn@countins
10964     \@tempdima\z@ \let\@elt\dfn@elt@getht
10965     \dfn@list\@nil
10966     \ifdim\@tempdima=\z@\else
10967     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10968     \global\setbox\dfn@ins\box\dfn@ins
10969     \@tempswatrue
10970     \ifdfn@trysingle
10971         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10972         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10973         \advance\@tempdima-\skip\footins
10974         \advance\@tempdima-\ht\dfn@boxa
10975         \ifdim\@tempdima<\z@\else \@tempswafalse
10976             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10977                 \footnoterule \unvbox\dfn@boxa}\fi\fi
10978     \if@tempswa
10979     \dfn@split{\dfn@dimah}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10980     \global\setbox\footins\vbox{\hbox{%,
10981         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10982             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
10983         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10984             \vbox to\@tempdima{
10985                 \setbox\@tempboxa\vbox{\footnoterule}
10986                 \ifdfn@ruleboth \unvbox\@tempboxa
10987                 \else \@tempdima\ht\@tempboxa
10988                     \advance\@tempdima\dp\@tempboxa
10989                     \vskip\@tempdima
10990                     \prevdepth\dp\@tempboxa \fi
10991                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
10992     \global\dfn@fnht\z@
10993 \ifx\dfn@list\@empty\else
10994     \let\@elt\dfn@elt@adjust \dfn@dimah\z@ \dfn@dimb\z@
10995     \dfn@list \global\advance\dfn@fnht\dfn@dimb
10996     \let\@elt\relax
10997     \ifdim\dfn@dimb>\z@
10998         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10999         \insert\footins{\floatingpenalty\@MM

```



```

11000 \vbox to\dfn@dimb{}}\fi
11001 \ifdim\dfn@fnht>\@tempdima
11002 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
11003 \global\dfn@fnht\@tempdima
11004 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
11005 \xdef\dfn@afteroutput{\insert\footins{
11006 \floatingpenalty\@MM
11007 \vbox to\number\@tempdimb sp{}}}%
11008 \global\let\noexpand\dfn@afteroutput\relax}%
11009 \fi\fi
11010 \fi}%
11011 \let\footnoterule\relax \dfn@latex@makecol
11012 \let\footnoterule\dfn@footnoterule}
11013 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
11014 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
11015 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
11016 \DFNalwaysdouble

```

79 File diagbox-xetex-bidi.def

```

11017 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package]
11018 \bidi@patchcmd{\diagbox@double}{%
11019 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
11020 }{\bidi@@diagbox@double@ii}{-}{}
11021 \bidi@patchcmd{\diagbox@double}{%
11022 \begin{tabular}{@{>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
11023 }{\bidi@@diagbox@double@iii}{-}{}
11024 \newcommand*{\bidi@@diagbox@double@ii}{%
11025 \if@RTL
11026 \begin{tabular}{@{>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
11027 \else
11028 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
11029 \fi
11030 }
11031 \newcommand*{\bidi@@diagbox@double@iii}{%
11032 \if@RTL
11033 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
11034 \else
11035 \begin{tabular}{@{>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
11036 \fi
11037 }
11038 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11039 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
11040 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{}
11041 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11042 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
11043 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{}
11044 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11045 \begin{tabular}{@{>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
11046 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{}
11047 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
11048 \if@RTL
11049 \begin{tabular}{@{>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
11050 \else

```



```

11051     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
11052     \fi}
11053 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
11054     \if@RTL
11055     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
11056     \else
11057     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
11058     \fi}
11059 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
11060 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11061     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
11062     }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
11063 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11064     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}%
11065     }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11066 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11067     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}%
11068     }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11069 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
11070     \if@RTL
11071     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}}
11072     \else
11073     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
11074     \fi
11075 }
11076 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
11077     \if@RTL
11078     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
11079     \else
11080     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}
11081     \fi
11082 }
11083 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
11084 \bidi@patchcmd{\diagbox@double@pict@SE}{%
11085     \diagbox@setlinecolor
11086     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
11087 }{-}{%
11088     {\diagbox@setlinecolor
11089     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
11090 }{-}{-}
11091 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
11092 \bidi@patchcmd{\diagbox@double@pict@NE}{%
11093     \diagbox@setlinecolor
11094     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
11095 }{-}{%
11096     {\diagbox@setlinecolor
11097     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
11098 }{-}{-}
11099 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
11100 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
11101     \diagbox@setlinecolor
11102     \Line(0,\yym)(\x,0)
11103     \Line(\xm,\y)(\x,0)%
11104 }{-}{%

```




```

11105   {\diagbox@setlinecolor
11106   \Line(0,\yym)(\x,0)
11107   \Line(\xm,\y)(\x,0)}%
11108 }-{}-{}
11109 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
11110   \diagbox@setlinecolor
11111   \Line(0,0)(\xxm,\y)
11112   \Line(0,0)(\x,\yym)%
11113 }-{}-{}
11114   {\diagbox@setlinecolor
11115   \Line(0,0)(\xxm,\y)
11116   \Line(0,0)(\x,\yym)}%
11117 }-{}-{}
11118 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
11119   \diagbox@setlinecolor
11120   \Line(0,\ym)(\x,\y)
11121   \Line(\xm,0)(\x,\y)%
11122 }-{}-{}
11123   {\diagbox@setlinecolor
11124   \Line(0,\ym)(\x,\y)
11125   \Line(\xm,0)(\x,\y)}%
11126 }-{}-{}
11127 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
11128   \diagbox@setlinecolor
11129   \Line(0,\y)(\xxm,0)
11130   \Line(0,\y)(\x,\ym)%
11131 }-{}-{}
11132   {\diagbox@setlinecolor
11133   \Line(0,\y)(\xxm,0)
11134   \Line(0,\y)(\x,\ym)}%
11135 }-{}-{}

```

80 File draftwatermark-xetex-bidi.def

```

11136 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
11137 \renewcommand\SetWatermarkText[1]{%
11138   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

81 File eso-pic-xetex-bidi.def

```

11139 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package]
11140 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
11141   \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}}
11142
11143 \ESO@isMEMOIR{%
11144   \renewcommand\AtTextUpperLeft[1]{%
11145     \begingroup
11146       \ifodd\c@page
11147         \if@RTLmain
11148           \ESO@tempdima=\paperwidth
11149           \advance\ESO@tempdima-\textwidth
11150           \advance\ESO@tempdima-\spinemargin
11151         \else
11152           \ESO@tempdima=\spinemargin

```




```

11153     \fi
11154   \else
11155     \if@RTLmain
11156       \ESO@tempdima=\spinemargin
11157     \else
11158       \ESO@tempdima=\paperwidth
11159       \advance\ESO@tempdima-\textwidth
11160       \advance\ESO@tempdima-\spinemargin
11161     \fi
11162   \fi
11163   \ESO@tempdimb=-\uppermargin
11164   \AtPageUpperLeft{%
11165     \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11166   }%
11167   \endgroup
11168 }
11169 }{%
11170 \renewcommand\AtTextUpperLeft[1]{%
11171   \begingroup
11172     \ESO@tempdima=1in\relax
11173     \if@twoside
11174       \ifodd\c@page
11175         \if@RTLmain
11176           \advance\ESO@tempdima\evensidemargin
11177         \else
11178           \advance\ESO@tempdima\oddsidemargin
11179         \fi
11180       \else
11181         \if@RTLmain
11182           \advance\ESO@tempdima\oddsidemargin
11183         \else
11184           \advance\ESO@tempdima\evensidemargin
11185         \fi
11186       \fi
11187     \else
11188       \advance\ESO@tempdima\oddsidemargin
11189     \fi
11190     \ESO@tempdimb=-1in\relax
11191     \advance\ESO@tempdimb-\topmargin
11192     \advance\ESO@tempdimb-\headheight
11193     \advance\ESO@tempdimb-\headsep
11194     \AtPageUpperLeft{%
11195       \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11196     }%
11197   \endgroup
11198 }
11199 }

```

82 File empheq-xetex-bidi.def

```

11200 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package fo
11201 \MHInternalSyntaxOn
11202 \def\EQ_tag_plus_endmark:{%
11203   \iftagsleft@

```



```

11204 \gdef\maketag@@@##1{%
11205 \hfuzz\displaywidth
11206 \ifRTL\makebox[\widthof{##1}][r]{%
11207 \hbox to \displaywidth{\m@th\normalfont##1\hss
11208 \raisebox{-\dp\EQ_mathdisplay_box
11209 -\depthof{\EQ_outerbox:}}{
11210 {\PotEndMark{\hss}}}}
11211 \else\makebox[\widthof{##1}][l]{%
11212 \hbox to \displaywidth{\m@th\normalfont##1\hss
11213 \raisebox{-\dp\EQ_mathdisplay_box
11214 -\depthof{\EQ_outerbox:}}{
11215 {\PotEndMark{\hss}}}}\fi}%
11216 \MH_else:
11217 \gdef\maketag@@@##1{%
11218 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{
11219 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
11220 \MH_addtolength:dn \@tempdima
11221 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
11222 \setlength{\@tempdimb}
11223 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
11224 +\depthof{\EQ_innerbox:}}}}
11225 \MH_if_dim:w \@tempdima>\@tempdimb
11226 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
11227 -\@tempdima+\g_EQ_bottomrow_depth_dim}
11228 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
11229 \def\EQ_next:{\raisebox{\@tempdima}}%
11230 \MH_else:
11231 \def\EQ_next:{
11232 \raisebox{-\dp\EQ_mathdisplay_box
11233 -\depthof{\EQ_outerbox:}}}%
11234 \MH_fi:\EQ_next:}}}%
11235 \MH_fi:}
11236 \def\EQ_post_process:{%
11237 \EQ_initialize:
11238 \EQ_begin_equation:
11239 \MH_if_boolean:nT {outer_mult}{
11240 \setkeys{\MT_options_name:}{
11241 firstline-afterskip=Opt,
11242 lastline-preskip=Opt,
11243 multlined-width=Opt,
11244 }
11245 \ifodd \l_EQ_alignmentmode_int
11246 \setkeys{\MT_options_name:}{multlined-pos=b}
11247 \MH_else:
11248 \setkeys{\MT_options_name:}{multlined-pos=t}
11249 \MH_fi:
11250 \g@addto@macro\EQ_complete_mathdisplay:{
11251 \begin{MTmultlined}\relax}
11252 }
11253 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
11254 \MH_if_boolean:nT {outer_mult}{
11255 \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
11256 }
11257 \EQ_end_equation:

```



```

11258 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
11259 \savecounters@
11260 \EQ_typeset_tags:
11261 \edef\l_EQ_equation_fint{\number\c@equation}
11262 \restorecounters@
11263 \Hy@linkcounter=\EQ_hyperref_link_fint
11264 \settowidth\l_EQ_totalwidth_dim{%
11265   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
11266 \MH_if_boolean:nTF {outer_mult}
11267   { \def\EQ_next:{_mult} }
11268   { \def\EQ_next:{} }
11269 \@nameuse{EQ_modify_linewidth_
11270   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11271 \EQ_typeset_display:
11272 \@nameuse{EQ_find_displaywidth_
11273   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11274 \MH_adddtolength:dn
11275   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
11276 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
11277   $\EQ_left_side:
11278   \EQ_innerbox:{%
11279     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
11280     \makebox[\l_EQ_displaywidth_dim][c]
11281       {\usebox{\EQ_mathdisplay_box}}}%
11282   \MH_or:
11283     \makebox[\l_EQ_displaywidth_dim][c]
11284       {\usebox{\EQ_mathdisplay_box}}}%
11285   \MH_or:
11286     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11287       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11288         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11289           \kern-\@mathmargin
11290           \MH_fi:
11291           \MH_fi:
11292           \usebox{\EQ_mathdisplay_box}}}%
11293     \else\makebox[\l_EQ_displaywidth_dim][l]{%
11294       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11295         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11296           \kern-\@mathmargin
11297           \MH_fi:
11298           \MH_fi:
11299           \usebox{\EQ_mathdisplay_box}}\fi%
11300   \MH_or:
11301     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11302       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11303         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11304           \kern-\@mathmargin
11305           \MH_fi:
11306           \MH_fi:
11307           \usebox{\EQ_mathdisplay_box}}
11308     \else\makebox[\l_EQ_displaywidth_dim][l]{%
11309       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11310         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11311           \kern-\@mathmargin

```



```

11312         \MH_fi:
11313         \MH_fi:
11314         \usebox{\EQ_mathdisplay_box}}\fi%
11315     \MH_fi:}%
11316     \EQ_right_side:$}%
11317     \begin{AmSequation*}
11318     \@nameuse{EQ_place_display_
11319         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11320     \MH_if_dim:w \g_EQ_widesttag_dim>\z@
11321     \MH_set_boolean_T:n {show_manual_tags}
11322     \MH_if_case:w \l_EQ_alignmentmode_int
11323     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
11324     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
11325     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
11326     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
11327     \MH_fi:
11328     \MH_fi:
11329     \end{AmSequation*}
11330     \global\c@equation=\l_EQ_equation_fint\relax
11331 }
11332 \AtBeginDocument{%
11333     \@ifpackageloaded{fancybox}{%
11334         \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
11335         {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
11336         \renewcommand*\shadowbox{%
11337             \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
11338                 \VerbBox\EQ_shadowbox:n}
11339                 {\MH_set_boolean_F:n {shadowbox_star}
11340                 \VerbBox\EQ_shadowbox:n}}
11341     \def\EQ_shadowbox:n #1{%
11342         \sbox{\z@}{\fbox{#1}}%
11343         \MH_if_boolean:nTF {shadowbox_star}{
11344             \MH_setlength:dn \@tempdima{\z@}%
11345         }{
11346             \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
11347         }
11348         \raisebox{\@tempdima}{%
11349             \if@RTL\makebox[\z@][r]{%
11350                 \kern\shadowsize \textcolor{shadowcolor}{%
11351                     \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11352             }%
11353             \else\makebox[\z@][l]{%
11354                 \kern\shadowsize \textcolor{shadowcolor}{%
11355                     \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11356             }%
11357             \usebox\z@\textcolor{shadowcolor}{%
11358                 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
11359         }-}%
11360 }
11361 \MHInternalSyntaxOff

```

83 File extarticle-xetex-bidi.def

```
11362 \ProvidesFile{extarticle-xetex-bidi.def}[2025/09/08 v0.7 bidi adaptations for extarticle cl
```



```

11363 \renewcommand*\l@section[2]{%
11364   \ifnum \c@tocdepth >\z@
11365     \addpenalty\@secpenalty
11366     \advspace{1.0em \@plus\p@}%
11367     \setlength\@tempdima{1.5em}%
11368     \begingroup
11369       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11370       \parfillskip -\@pnumwidth
11371       \leavevmode \bfseries
11372       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
11373       \hskip -\if@RTL\rightskip\else\leftskip\fi
11374       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
11375     \endgroup
11376   \fi}
11377 \renewcommand*\l@part[2]{%
11378 \ifnum \c@tocdepth >-2\relax
11379   \addpenalty\@secpenalty
11380   \advspace{2.25em \@plus\p@}%
11381   \begingroup
11382     \setlength\@tempdima{3em}%
11383     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11384     \parfillskip -\@pnumwidth
11385     {\leavevmode
11386       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11387     \nobreak
11388   \endgroup
11389   \fi}
11390 \ApplyPatchIfPackageLoaded{nameref}{%
11391   \bidi@patchcmd\NR@part\raggedright{%
11392     \if@RTL\raggedleft\else\raggedright\fi
11393   }-{\bidi@warningnoline{Oops! patching `string\NR@part' failed}}%
11394   \bidi@patchcmd\NR@spart\raggedright{%
11395     \if@RTL\raggedleft\else\raggedright\fi
11396   }-{\bidi@warningnoline{Oops! patching `string\NR@spart' failed}}%
11397 }{%
11398   \bidi@patchcmd\@part\raggedright{%
11399     \if@RTL\raggedleft\else\raggedright\fi
11400   }-{\bidi@warningnoline{Oops! patching `string\@part' failed}}%
11401   \bidi@patchcmd\@spart\raggedright{%
11402     \if@RTL\raggedleft\else\raggedright\fi
11403   }-{\bidi@warningnoline{Oops! patching `string\@spart' failed}}%
11404 }
11405 \renewenvironment{thebibliography}[1]
11406   {\section*{\refname
11407     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
11408     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11409     \bidi@thebibliography@font@hook%
11410     \list{\@biblabel{\@arabic\c@enumiv}}%
11411     {\settowidth\labelwidth{\@biblabel{#1}}%
11412     \leftmargin\labelwidth
11413     \advance\leftmargin\labelsep
11414     \@openbib@code
11415     \usecounter{enumiv}%
11416     \let\p@enumiv\@empty

```



```

11417         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11418         \sloppy\clubpenalty4000\widowpenalty4000%
11419         \sfcode`.\@m}
11420     {\def\@noitemerr
11421         {\@latex@warning{Empty `thebibliography' environment}}%
11422         \endlist}
11423 \renewcommand\left@footnoterule{%
11424     \kern-3\p@
11425     \hrule\@width.4\columnwidth
11426     \kern2.6\p@}
11427 \renewcommand\right@footnoterule{%
11428     \kern-3\p@
11429     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11430     \kern2.6\p@}
11431     \if@titlepage
11432 \renewcommand\maketitle{\begin{titlepage}%
11433 \let\footnotesize\small
11434 \let\right@footnoterule\relax
11435 \let\left@footnoterule\relax
11436 \let\textwidth@footnoterule\relax
11437 \let \footnote \thanks
11438 \null\vfil
11439 \vskip 60\p@
11440 \begin{center}%
11441     {\LARGE \@title \par}%
11442     \vskip 3em%
11443     {\large
11444         \lineskip .75em%
11445         \begin{tabular}[t]{c}%
11446             \@author
11447         \end{tabular}\par}%
11448         \vskip 1.5em%
11449     {\large \@date \par}%           % Set date in \large size.
11450 \end{center}\par
11451 \thanks
11452 \vfil\null
11453 \end{titlepage}%
11454 \setcounter{footnote}{0}%
11455 \global\let\thanks\relax
11456 \global\let\maketitle\relax
11457 \global\let\@thanks\@empty
11458 \global\let\@author\@empty
11459 \global\let\@date\@empty
11460 \global\let\@title\@empty
11461 \global\let\title\relax
11462 \global\let\author\relax
11463 \global\let\date\relax
11464 \global\let\and\relax
11465 }
11466 \else
11467 \renewcommand\maketitle{\par
11468     \begingroup
11469         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11470         \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%

```



```

11471 \long\def\@makefntext##1{\parindent 1em\noindent
11472 \hb@xt@1.8em{%
11473 \hss\@textsuperscript{\normalfont\@thefnmark}##1}%
11474 \if@twocolumn
11475 \ifnum \col@number=\@ne
11476 \@maketitle
11477 \else
11478 \twocolumn[\@maketitle]%
11479 \fi
11480 \else
11481 \newpage
11482 \global\@topnum\z@ % Prevents figures from going at top of page.
11483 \@maketitle
11484 \fi
11485 \thispagestyle{plain}\@thanks
11486 \endgroup
11487 \setcounter{footnote}{0}%
11488 \global\let\thanks\relax
11489 \global\let\maketitle\relax
11490 \global\let\@maketitle\relax
11491 \global\let\@thanks\@empty
11492 \global\let\@author\@empty
11493 \global\let\@date\@empty
11494 \global\let\@title\@empty
11495 \global\let\title\relax
11496 \global\let\author\relax
11497 \global\let\date\relax
11498 \global\let\and\relax
11499 }
11500 \def\@maketitle{%
11501 \newpage
11502 \null
11503 \vskip 2em%
11504 \begin{center}%
11505 \let \footnote \thanks
11506 {\LARGE \@title \par}%
11507 \vskip 1.5em%
11508 {\large
11509 \lineskip .5em%
11510 \begin{tabular}[t]{c}%
11511 \@author
11512 \end{tabular}\par}%
11513 \vskip 1em%
11514 {\large \@date}%
11515 \end{center}%
11516 \par
11517 \vskip 1.5em}
11518 \fi
11519 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11520 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11521 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11522 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```



84 File extbook-xetex-bidi.def

```
11523 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class fo
11524 \if@titlepage
11525 \renewcommand\maketitle{\begin{titlepage}%
11526 \let\footnotesize\small
11527 \let\right@footnoterule\relax
11528 \let\left@footnoterule\relax
11529 \let\textwidth@footnoterule\relax
11530 \let \footnote \thanks
11531 \let \LTRfootnote \LTRthanks
11532 \let \RTLfootnote \RTLthanks
11533 \null\vfil
11534 \vskip 60\p@
11535 \begin{center}%
11536 {\LARGE \@title \par}%
11537 \vskip 3em%
11538 {\large
11539 \lineskip .75em%
11540 \begin{tabular}[t]{c}%
11541 \@author
11542 \end{tabular}\par}%
11543 \vskip 1.5em%
11544 {\large \@date \par}% % Set date in \large size.
11545 \end{center}\par
11546 \@thanks
11547 \vfil\null
11548 \end{titlepage}%
11549 \setcounter{footnote}{0}%
11550 \global\let\thanks\relax
11551 \global\let\LTRthanks\relax
11552 \global\let\RTLthanks\relax
11553 \global\let\maketitle\relax
11554 \global\let\@thanks\@empty
11555 \global\let\@author\@empty
11556 \global\let\@date\@empty
11557 \global\let\@title\@empty
11558 \global\let\title\relax
11559 \global\let\author\relax
11560 \global\let\date\relax
11561 \global\let\and\relax
11562 }
11563 \else
11564 \renewcommand\maketitle{\par
11565 \begingroup
11566 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11567 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11568 \long\def\@makefntext##1{\parindent 1em\noindent
11569 \hb@xt@1.8em{%
11570 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11571 \if@twocolumn
11572 \ifnum \col@number=\@ne
11573 \maketitle
11574 \else
```




```

11575     \twocolumn[\@maketitle]%
11576     \fi
11577   \else
11578     \newpage
11579     \global\@topnum\z@   % Prevents figures from going at top of page.
11580     \@maketitle
11581     \fi
11582     \thispagestyle{plain}\@thanks
11583   \endgroup
11584   \setcounter{footnote}{0}%
11585   \global\let\thanks\relax
11586   \global\let\LTRthanks\relax
11587   \global\let\RTLthanks\relax
11588   \global\let\maketitle\relax
11589   \global\let\@maketitle\relax
11590   \global\let\@thanks\@empty
11591   \global\let\@author\@empty
11592   \global\let\@date\@empty
11593   \global\let\@title\@empty
11594   \global\let\title\relax
11595   \global\let\author\relax
11596   \global\let\date\relax
11597   \global\let\and\relax
11598 }
11599 \def\@maketitle{%
11600   \newpage
11601   \null
11602   \vskip 2em%
11603   \begin{center}%
11604     \let \footnote \thanks
11605     \let \LTRfootnote \LTRthanks
11606     \let \RTLfootnote \RTLthanks
11607     {\LARGE \@title \par}%
11608     \vskip 1.5em%
11609     {\large
11610       \lineskip .5em%
11611       \begin{tabular}[t]{c}%
11612         \@author
11613       \end{tabular}\par}%
11614     \vskip 1em%
11615     {\large \@date}%
11616   \end{center}%
11617   \par
11618   \vskip 1.5em}
11619 \fi
11620 \renewcommand*\l@part[2]{%
11621   \ifnum \c@tocdepth >-2\relax
11622     \addpenalty{-\@highpenalty}%
11623     \advspace{2.25em \@plus\p@}%
11624     \begingroup
11625       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11626       \parfillskip -\@pnumwidth
11627       {\leavevmode
11628         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par

```



```

11629     \nobreak
11630     \global\@nobreaktrue
11631     \everypar{\global\@nobreakfalse\everypar{}}%
11632 \endgroup
11633 \fi}
11634 \renewcommand\theequation
11635   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11636 \renewcommand \thefigure
11637   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11638 \renewcommand \thetable
11639   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11640 \renewcommand \thechapter {\@arabic\c@chapter}
11641 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11642 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11643 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11644 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11645 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
11646 \def\@makechapterhead#1{%
11647   \vspace*{50\p@}%
11648   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
11649     \ifnum \c@secnumdepth >\m@ne
11650       \ifmainmatter
11651         \huge\bfseries \@chapapp\space \thechapter
11652         \par\nobreak
11653         \vskip 20\p@
11654       \fi
11655     \fi
11656     \interlinepenalty\@M
11657     \Huge \bfseries #1\par\nobreak
11658     \vskip 40\p@
11659   }}
11660
11661 \def\@makeschapterhead#1{%
11662   \vspace*{50\p@}%
11663   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11664     \normalfont
11665     \interlinepenalty\@M
11666     \Huge \bfseries #1\par\nobreak
11667     \vskip 40\p@
11668   }}
11669 \renewcommand\backmatter{%
11670   \if@openright
11671     \cleardoublepage
11672   \else
11673     \clearpage
11674   \fi
11675   \@mainmatterfalse}
11676 \renewenvironment{thebibliography}[1]
11677   {\chapter*{\bibname
11678     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
11679     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11680     \bidi@thebibliography@font@hook%
11681     \list{\@biblabel{\@arabic\c@enumiv}}%
11682     {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

11683         \leftmargin\labelwidth
11684         \advance\leftmargin\labelsep
11685         \@openbib@code
11686         \usecounter{enumiv}%
11687         \let\p@enumiv\@empty
11688         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11689     \sloppy
11690     \clubpenalty4000
11691     \@clubpenalty \clubpenalty
11692     \widowpenalty4000%
11693     \sfcode`. \m}
11694     {\def\@noitemerr
11695      {\@latex@warning{Empty `thebibliography' environment}}%
11696     \endlist}

```

85 File extletter-xetex-bidi.def

```

11697 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter clas
11698 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
11699   \thispagestyle{firstpage}%
11700   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
11701   \else % home address
11702     \thispagestyle{empty}%
11703     {\if@RTL\raggedright\begin{tabular}{r{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignor
11704     \fromaddress \[*[2\parskip]%
11705     \@date \end{tabular}\par}%
11706   \fi
11707   \vspace{2\parskip}%
11708   {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
11709   \vspace{2\parskip}%
11710   #1\par\nobreak}
11711 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
11712   \stopbreaks
11713   \noindent
11714   \ifx\@empty\fromaddress\else
11715     \hspace*{\longindentation}\fi
11716   \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
11717     \ignorespaces #1\[\[6\medskipamount]%
11718     \ifx\@empty\fromsig
11719       \fromname
11720     \else \fromsig \fi\strut}%
11721   \par}
11722 \renewcommand\left@footnoterule{%
11723   \kern-\p@
11724   \hrule \@width .4\columnwidth
11725   \kern .6\p@}
11726 \renewcommand\right@footnoterule{%
11727   \kern-\p@
11728   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11729   \kern .6\p@}

```

86 File extrafootnotefeatures-xetex-bidi.def

```

11730 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2025/09/13 v2.8 bidi extra footnote fea

```



```

11731 \newdimen\ bidi@columnwidth
11732 \def\ bidi@floathook{%
11733   \ bidi@columnwidth\columnwidth
11734 }
11735 \newcommand*{\@ bidi@before@Hy@hyperfootnotes}{%
11736 \if@ bidi@csundef{ifHy@hyperfootnotes}{ }{%
11737 \if@ bidi@csundef{HLTR@LTRfootnotetext}{ }{%
11738 \ifHy@hyperfootnotes
11739   \let\@H@@footnotetext\@footnotetext
11740   \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
11741   \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
11742   \let\@H@mpfootnotetext\@mpfootnotetext
11743   \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11744   \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11745 \fi
11746 }%
11747 }%
11748 }
11749 \newcommand*{\@ bidi@after@Hy@hyperfootnotes}{%
11750 \if@ bidi@csundef{ifHy@hyperfootnotes}{ }{%
11751 \if@ bidi@csundef{HLTR@LTRfootnotetext}{ }{%
11752 \ifHy@hyperfootnotes
11753   \let\H@@footnotetext\@footnotetext
11754   \let\@footnotetext\@H@@footnotetext
11755   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11756   \let\@LTRfootnotetext\@HLTR@LTRfootnotetext
11757   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11758   \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
11759   \let\H@mpfootnotetext\@mpfootnotetext
11760   \let\@mpfootnotetext\@H@mpfootnotetext
11761   \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11762   \let\@mpLTRfootnotetext\@HLTR@mpLTRfootnotetext
11763   \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11764   \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
11765 \fi
11766 }%
11767 }%
11768 }
11769 \let\ autofooterule\relax
11770 \let\ rightfootnoterule\relax
11771 \let\ leftfootnoterule\relax
11772 \let\ textwidthfootnoterule\relax
11773 \let\ LRfootnoterule\relax
11774 \def\ footerule{\kern-3\p@
11775   \hrule \@width \columnwidth \kern 2.6\p@}
11776 \newcommand{\@preamnormalfmt}{%
11777   \parindent 1em%
11778   \noindent
11779 }
11780 \newcommand{\@normalfootfmt}[1]{%
11781   \@preamnormalfmt
11782   \footfootmark
11783   \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
11784   \@finalstrut\strutbox

```



```

11785 }
11786 \newcommand{\@normalRTLfootfmt}[1]{%
11787   \@preamnormalfmt
11788   \RTLfootfootmark
11789   \rule{z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
11790   \@finalstrut\strutbox
11791 }
11792 \newcommand{\@normalLTRfootfmt}[1]{%
11793   \@preamnormalfmt
11794   \LTRfootfootmark
11795   \rule{z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
11796   \@finalstrut\strutbox
11797 }
11798 \renewcommand{\@footnotetext}[1]{%
11799   \insert\footins{%
11800     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11801     \def\baselinestretch{\m@m@footnote@spacing}%
11802     \reset@font
11803     \foottextfont
11804     \@preamfntext
11805     \hsize\columnwidth
11806     \protected@edef\@currentlabel{%
11807       \csname p@footnote\endcsname\@thefnmark}%
11808     \color@begingroup
11809       \@normalfootfmt{#1}%
11810     \color@endgroup}%
11811     \m@mmf@prepare}
11812 \renewcommand{\@RTLfootnotetext}[1]{%
11813   \insert\footins{%
11814     \@RTLtrue%
11815     \def\baselinestretch{\m@m@footnote@spacing}%
11816     \reset@font
11817     \RTLfoottextfont
11818     \@preamfntext
11819     \hsize\columnwidth
11820     \protected@edef\@currentlabel{%
11821       \csname p@footnote\endcsname\@thefnmark}%
11822     \color@begingroup
11823       \@normalRTLfootfmt{#1}%
11824     \color@endgroup}%
11825     \m@mmf@prepare}
11826 \renewcommand{\@LTRfootnotetext}[1]{%
11827   \insert\footins{%
11828     \@RTLfalse%
11829     \def\baselinestretch{\m@m@footnote@spacing}%
11830     \reset@font
11831     \LTRfoottextfont
11832     \@preamfntext
11833     \hsize\columnwidth
11834     \protected@edef\@currentlabel{%
11835       \csname p@footnote\endcsname\@thefnmark}%
11836     \color@begingroup
11837       \@normalLTRfootfmt{#1}%
11838     \color@endgroup}%

```



```

11839     \m@mmf@prepare}
11840 \renewcommand{\@mpfootnotetext}[1]{%
11841   \global\setbox\@mpfootins\vbox{%
11842     \unvbox\@mpfootins
11843     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
11844     \def\baselinestretch{\m@footnote@spacing}%
11845     \reset@font%
11846     \foottextfont \hsize\columnwidth \@parboxrestore
11847     \protected@edef\@currentlabel{%
11848       \csname p@mpfootnote\endcsname\@thefnmark}%
11849     \color@begingroup
11850     \@normalfootfmt{#1}%
11851     \color@endgroup}}
11852 \renewcommand{\@mpLTRfootnotetext}[1]{%
11853   \global\setbox\@mpfootins\vbox{%
11854     \unvbox\@mpfootins
11855     \@RTLfalse
11856     \def\baselinestretch{\m@footnote@spacing}%
11857     \reset@font%
11858     \LTRfoottextfont \hsize\columnwidth \@parboxrestore
11859     \protected@edef\@currentlabel{%
11860       \csname p@mpfootnote\endcsname\@thefnmark}%
11861     \color@begingroup
11862     \@normalLTRfootfmt{#1}%
11863     \color@endgroup}}
11864 \renewcommand{\@mpRTLfootnotetext}[1]{%
11865   \global\setbox\@mpfootins\vbox{%
11866     \unvbox\@mpfootins
11867     \@RTLtrue
11868     \def\baselinestretch{\m@footnote@spacing}%
11869     \reset@font%
11870     \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11871     \protected@edef\@currentlabel{%
11872       \csname p@mpfootnote\endcsname\@thefnmark}%
11873     \color@begingroup
11874     \@normalRTLfootfmt{#1}%
11875     \color@endgroup}}
11876 \let\m@mold@footnotetext\@footnotetext
11877 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
11878 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
11879 \let\m@mold@mpfootnotetext\@mpfootnotetext
11880 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
11881 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
11882 \bidi@ensure@newcommand{\normalfootnotes}{%
11883   \@bidi@before@Hy@hyperfootnotes
11884   \let\@footnotetext\m@mold@footnotetext
11885   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
11886   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
11887   \let\@mpfootnotetext\m@mold@mpfootnotetext
11888   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
11889   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
11890   \@bidi@after@Hy@hyperfootnotes
11891   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11892 }

```



```

11893 \IfClassLoadedT{memoir}{\let\plainfootnotes\normalfootnotes}
11894 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
11895   \def\m@m@singlespace{#1}%
11896   \def\m@m@footnote@spacing{#1}%
11897   \def\m@m@float@spacing{#1} %
11898 }
11899 \setSingleSpace{1}
11900 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
11901 \bidi@ensure@newcommand*{\m@m@m@prepare}{%
11902   \kern-\multiplefootnotemarker
11903   \kern\multiplefootnotemarker\relax}
11904 \bidi@ensure@newlength{\footmarkwidth}
11905 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
11906 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
11907 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
11908 \bidi@ensure@newcommand{\footfootmark}{%
11909   \ifdim\footmarkwidth < \z@
11910     \llap{\hb@xt@ -\footmarkwidth{%
11911       \hss\normalfont\footscript{\@thefnmark}}%
11912       \hspace*{-\footmarkwidth}}%
11913   \else
11914     \ifdim\footmarkwidth = \z@
11915       {\normalfont\footscript{\@thefnmark}}%
11916     \else
11917       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
11918     \fi
11919   \fi}
11920 \bidi@ensure@newcommand{\LTRfootfootmark}{%
11921   \ifdim\footmarkwidth < \z@
11922     \llap{\hb@xt@ -\footmarkwidth{%
11923       \hss\normalfont\LTRfootscript{\@thefnmark}}%
11924       \hspace*{-\footmarkwidth}}%
11925   \else
11926     \ifdim\footmarkwidth = \z@
11927       {\normalfont\LTRfootscript{\@thefnmark}}%
11928     \else
11929       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
11930     \fi
11931   \fi}
11932 \bidi@ensure@newcommand{\RTLfootfootmark}{%
11933   \ifdim\footmarkwidth < \z@
11934     \llap{\hb@xt@ -\footmarkwidth{%
11935       \hss\normalfont\RTLfootscript{\@thefnmark}}%
11936       \hspace*{-\footmarkwidth}}%
11937   \else
11938     \ifdim\footmarkwidth = \z@
11939       {\normalfont\RTLfootscript{\@thefnmark}}%
11940     \else
11941       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
11942     \fi
11943   \fi}
11944 \footmarkstyle{\textsuperscript{#1}}
11945 \LTRfootmarkstyle{\textsuperscript{#1}}
11946 \RTLfootmarkstyle{\textsuperscript{#1}}

```



```

11947 \newcommand*\bidi@normal@footmarkwidth}{%
11948   \setlength{\footmarkwidth}{1em plus.3em minus.3em}%
11949 }
11950 \newcommand*\bidi@star@footmarkwidth}{%
11951   \setlength{\footmarkwidth}{0em plus.3em minus.3em}%
11952 }
11953 \bidi@normal@footmarkwidth
11954 \bidi@ensure@newcommand{\m@doextrafeet}{\extrafeetins}
11955 \bidi@ensure@newcommand*\extrafeetins}{%
11956   \bidi@joinfootnotes\footinsv@r\@footstartv@r\@footgroupv@r
11957   \bidi@joinfootnotes\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11958   \bidi@joinfootnotes\@bidi@copyins@{\unvbox\@bidi@copyins@}%
11959   \extrafeetinshook}
11960 \bidi@ensure@newcommand{\extrafeetinshook}{%
11961   \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
11962   \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
11963   \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
11964   \bidi@ensure@newlength{\footinsdim}
11965   \setlength{\footinsdim}{8in} % standard for \dimen\footins
11966   \bidi@ensure@newcommand{\@preamfntext}{%
11967     \interlinepenalty\interfootnotelinepenalty
11968     \floatingpenalty \@MM
11969     \splittopskip=\footnotesep
11970     \splitmaxdepth=\dp\strutbox
11971     \@parboxrestore}
11972 \def\bidi@ifmulticol#1#2{\@tempswafalse
11973   \ifnum\col@number>\@ne
11974     \ifnum\count\footins>1999 \@tempwattrue \fi
11975     \fi
11976     \if@tempswa #1\else #2\fi
11977 }
11978 \def\bidi@joinfootnotes#1#2#3{%
11979   \ifvoid#1
11980   \else
11981     \@tempskipa\skip#1%
11982     \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
11983     \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
11984     \bidi@removexfootskip
11985     \ifvoid\footins
11986       \global\setbox\footins\vbox{#2#3}%
11987     \else
11988       \global\setbox\footins\vbox{%
11989         \unvbox\footins
11990         \bidi@footskip
11991         #2#3%
11992       }%
11993     \fi
11994   \fi
11995 }
11996 \def\bidi@joinmpfootnotes#1#2#3{%
11997   \ifvoid#1
11998   \else
11999     \@tempskipa\skip#1%
12000     \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%

```




```

12001 \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
12002 \bidi@removexfootskip
12003 \ifvoid\@mpfootins
12004 \global\setbox\@mpfootins\vbox{#2#3}%
12005 \else
12006 \global\setbox\@mpfootins\vbox{%
12007 \unvbox\@mpfootins
12008 \bidi@footskip
12009 #2#3%
12010 }%
12011 \fi
12012 \fi
12013 }
12014 \bidi@ensure@newcommand{\m@mndoextrafeetmini}{%
12015 \extrafeetminihook}
12016 \bidi@ensure@newcommand{\extrafeetendmini}{%
12017 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12018 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12019 \extrafeetendminihook}
12020 \bidi@ensure@newcommand{\extrafeetendminihook}{%
12021 \bidi@ensure@newcommand{\m@mndoextrafeetendmini}{\extrafeetendmini}
12022 \def\endminipage{%
12023 \par
12024 \unskip
12025 \m@mndoextrafeetendmini
12026 \ifvoid\@mpfootins
12027 \else
12028 \vskip\skip\@mpfootins
12029 \normalcolor
12030 \footnoterule
12031 \unvbox\@mpfootins
12032 \fi
12033 \@minipagefalse
12034 \color@endgroup
12035 \egroup
12036 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
12037 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
12038 \@namedef{\@footstart#1}{%
12039 \leftskip=\z@
12040 \rightskip=\z@
12041 \parindent=\z@
12042 }%
12043 }
12044 \newinsert\footinsv@r
12045 \skip\footinsv@r\skip\footins
12046 \count\footinsv@r=1000 % no magnification
12047 \dimen\footinsv@r=\footinsdim
12048 \m@make@footstart{v@r}
12049 \newinsert\footinsv@l
12050 \skip\footinsv@l\skip\footins
12051 \count\footinsv@l=1000 % no magnification
12052 \dimen\footinsv@l=\footinsdim
12053 \m@make@footstart{v@l}
12054 \bidi@ensure@newcommand{\@footgroupv@r}{%

```



```

12055 \newinsert\@mpfootinsv@r
12056 \skip\@mpfootinsv@r\skip\@mpfootins
12057 \newinsert\@mpfootinsv@l
12058 \skip\@mpfootinsv@l\skip\@mpfootins
12059 \bidi@ensure@newcommand{\mp@footgroupv@r}{ }
12060 \newcount\m@m@k \newdimen\m@m@h
12061 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12062 \@@line{\beginR\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12063 \valign{##\vfill\cr\m@mdosplits}\endR}}
12064 \newcommand*{\bidi@LTRrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12065 \@@line{\beginL\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12066 \valign{##\vfill\cr\m@mdosplits}\endL}}
12067 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
12068 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
12069 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
12070 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
12071 \setbox2 \vsplit0 to \dimen0
12072 \unvbox2 }
12073 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
12074 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12075 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12076 \@bidi@before@Hy@hyperfootnotes
12077 \let\@footnotetext\@twocolfootnotetext
12078 \let\@LTRfootnotetext\@twocolLTRfootnotetext
12079 \let\@RTLfootnotetext\@twocolRTLfootnotetext
12080 \dimen\footinsv@r=2\footinsdim
12081 \count\footinsv@r=500\relax
12082 \m@make@twocol@footgroup{v@r}%
12083 \let\@footgroupv@r\@twocol@footgroupv@r
12084 \dimen\footinsv@l=2\footinsdim
12085 \count\footinsv@l=500\relax
12086 \bidi@make@twocol@LTRfootgroup{v@l}%
12087 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12088 \let\@mpfootnotetext\@mptwocolfootnotetext
12089 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
12090 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
12091 \@bidi@after@Hy@hyperfootnotes
12092 \m@make@mptwocol@footgroup{v@r}%
12093 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
12094 \bidi@make@mptwocol@LTRfootgroup{v@l}%
12095 \let\mp@LTRfootgroupv@l\@mptwocol@LTRfootgroupv@l
12096 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12097 }
12098 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert
12099 \if@RTL@footnote
12100 \footinsv@r
12101 \else
12102 \footinsv@l
12103 \fi
12104 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12105 \def\baselinestretch{\m@m@footnote@spacing}%
12106 \reset@font\foottextfont
12107 \@preamfntext
12108 \protected@edef\@currentlabel{%

```



```

12109 \csname p@footnote\endcsname\@thefnmark}%
12110 \color@begingroup
12111 \@twocolfootfmt{#1}%
12112 \color@endgroup}%
12113 \m@mmf@prepare}
12114 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12115 \def\baselinestretch{\m@m@footnote@spacing}%
12116 \reset@font\LTRfoottextfont
12117 \@preamftext
12118 \protected@edef\@currentlabel{%
12119 \csname p@footnote\endcsname\@thefnmark}%
12120 \color@begingroup
12121 \@twocolLTRfootfmt{#1}%
12122 \color@endgroup}%
12123 \m@mmf@prepare}
12124 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12125 \def\baselinestretch{\m@m@footnote@spacing}%
12126 \reset@font\RTLfoottextfont
12127 \@preamftext
12128 \protected@edef\@currentlabel{%
12129 \csname p@footnote\endcsname\@thefnmark}%
12130 \color@begingroup
12131 \@twocolRTLfootfmt{#1}%
12132 \color@endgroup}%
12133 \m@mmf@prepare}
12134 \bidi@ensure@newcommand{\@preamtwofmt}{%
12135 \hspace .45\hspace
12136 \parindent=\z@
12137 \tolerance=5000\relax
12138 \leavevmode}
12139 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
12140 \@preamtwofmt
12141 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12142 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
12143 \@preamtwofmt
12144 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12145 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
12146 \@preamtwofmt
12147 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12148 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
12149 \global\setbox
12150 \if@RTL@footnote
12151 \@mpfootinsv@r
12152 \else
12153 \@mpfootinsv@l
12154 \fi
12155 \vbox{%
12156 \unvbox
12157 \if@RTL@footnote
12158 \@mpfootinsv@r
12159 \else
12160 \@mpfootinsv@l
12161 \fi
12162 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi

```



```

12163 \def\baselinestretch{\m@m@footnote@spacing}%
12164 \reset@font\foottextfont
12165 \hsize\columnwidth \@parboxrestore
12166 \protected@edef\@currentlabel{%
12167   \csname p@mpfootnote\endcsname\@thefnmark}%
12168 \color@begingroup
12169   \@twocolfootfmt{#1}%
12170 \color@endgroup}%
12171 \m@mmf@prepare}
12172 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
12173   \global\setbox\@mpfootinsv@l\vbox{%
12174     \unvbox\@mpfootinsv@l
12175     \RTLfalse
12176     \def\baselinestretch{\m@m@footnote@spacing}%
12177     \reset@font\LTRfoottextfont
12178     \hsize\columnwidth \@parboxrestore
12179     \protected@edef\@currentlabel{%
12180       \csname p@mpfootnote\endcsname\@thefnmark}%
12181     \color@begingroup
12182       \@twocolLTRfootfmt{#1}%
12183     \color@endgroup}%
12184     \m@mmf@prepare}
12185 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
12186   \global\setbox\@mpfootinsv@r\vbox{%
12187     \unvbox\@mpfootinsv@r
12188     \RTLtrue
12189     \def\baselinestretch{\m@m@footnote@spacing}%
12190     \reset@font\RTLfoottextfont
12191     \hsize\columnwidth \@parboxrestore
12192     \protected@edef\@currentlabel{%
12193       \csname p@mpfootnote\endcsname\@thefnmark}%
12194     \color@begingroup
12195       \@twocolRTLfootfmt{#1}%
12196     \color@endgroup}%
12197     \m@mmf@prepare}
12198 \bidi@ensure@newcommand{\@m@make@twocol@footgroup}[1]{%
12199   \@namedef{@twocol@footgroup#1}{%
12200     \def\baselinestretch{\m@m@footnote@spacing}%
12201     \hsize\bidi@columnwidth
12202     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12203     \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}
12204 \newcommand{\bidi@make@twocol@LTRfootgroup}[1]{%
12205   \@namedef{@twocol@LTRfootgroup#1}{%
12206     \def\baselinestretch{\m@m@footnote@spacing}%
12207     \hsize\bidi@columnwidth
12208     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12209     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}
12210 \bidi@ensure@newcommand{\@m@make@mptwocol@footgroup}[1]{%
12211   \@namedef{@mptwocol@footgroup#1}{%
12212     \def\baselinestretch{\m@m@footnote@spacing}%
12213     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12214     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}
12215 \newcommand{\bidi@make@mptwocol@LTRfootgroup}[1]{%
12216   \@namedef{@mptwocol@LTRfootgroup#1}{%

```



```

12217 \def\baselinestretch{\m@m@footnote@spacing}%
12218 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12219 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
12220 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
12221 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12222 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12223 \@bidi@before@Hy@hyperfootnotes
12224 \let\@footnotetext\@threecolfootnotetext
12225 \let\@LTRfootnotetext\@threecolLTRfootnotetext
12226 \let\@RTLfootnotetext\@threecolRTLfootnotetext
12227 \dimen\footinsv@r=3\footinsdim
12228 \count\footinsv@r=333\relax
12229 \m@make@threecol@footgroup{v@r}%
12230 \let\@footgroupv@r\@threecol@footgroupv@r
12231 \dimen\footinsv@l=3\footinsdim
12232 \count\footinsv@l=333\relax
12233 \bidi@make@threecol@LTRfootgroup{v@l}%
12234 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12235 \let\@mpfootnotetext\@mpthreecolfootnotetext
12236 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
12237 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
12238 \@bidi@after@Hy@hyperfootnotes
12239 \m@make@mpthreecol@footgroup{v@r}%
12240 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12241 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12242 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12243 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12244 }
12245 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert
12246 \if@RTL@footnote
12247 \footinsv@r
12248 \else
12249 \footinsv@l
12250 \fi
12251 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
12252 \def\baselinestretch{\m@m@footnote@spacing}%
12253 \reset@font\foottextfont
12254 \@preamfntext
12255 \protected@edef\@currentlabel{%
12256 \csname p@footnote\endcsname\@thefnmark}%
12257 \color@begingroup
12258 \@threecolfootfmt{#1}%
12259 \color@endgroup}\m@mmf@prepare}
12260 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12261 \def\baselinestretch{\m@m@footnote@spacing}%
12262 \reset@font\LTRfoottextfont
12263 \@preamfntext
12264 \protected@edef\@currentlabel{%
12265 \csname p@footnote\endcsname\@thefnmark}%
12266 \color@begingroup
12267 \@threecolLTRfootfmt{#1}%
12268 \color@endgroup}\m@mmf@prepare}
12269 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12270 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

12271 \reset@font\RTLfoottextfont
12272 \@preamfntext
12273 \protected@edef\@currentlabel{%
12274   \csname p@footnote\endcsname\@thefnmark}%
12275 \color@begingroup
12276   \@threecolRTLfootfmt{#1}%
12277 \color@endgroup}\m@mmf@prepare}
12278 \bidi@ensure@newcommand{\@preamthreefmt}{%
12279   \hspace .3\hspace
12280   \parindent=\z@
12281   \tolerance=5000\relax
12282   \leavevmode}
12283 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
12284   \@preamthreefmt
12285   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12286 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
12287   \@preamthreefmt
12288   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12289 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
12290   \@preamthreefmt
12291   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12292 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
12293   \global\setbox
12294     \if@RTL@footnote
12295     \@mpfootinsv@r
12296   \else
12297     \@mpfootinsv@l
12298   \fi
12299   \vbox{%
12300     \unvbox
12301     \if@RTL@footnote
12302     \@mpfootinsv@r
12303   \else
12304     \@mpfootinsv@l
12305   \fi
12306   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12307   \def\baselinestretch{\m@mm@footnote@spacing}%
12308   \reset@font\foottextfont
12309   \hspace\columnwidth \@parboxrestore
12310   \protected@edef\@currentlabel{%
12311     \csname p@mpfootnote\endcsname\@thefnmark}%
12312   \color@begingroup
12313     \@threecolfootfmt{#1}%
12314   \color@endgroup}\m@mmf@prepare}
12315 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
12316   \global\setbox\@mpfootinsv@l\vbox{%
12317     \unvbox\@mpfootinsv@l
12318     \@RTLfalse
12319     \def\baselinestretch{\m@mm@footnote@spacing}%
12320     \reset@font\LTRfoottextfont
12321     \hspace\columnwidth \@parboxrestore
12322     \protected@edef\@currentlabel{%
12323       \csname p@mpfootnote\endcsname\@thefnmark}%
12324     \color@begingroup

```



```

12325 \@threecolLTRfootfmt{#1}%
12326 \color@endgroup}\m@mmf@prepare}
12327 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
12328 \global\setbox\@mpfootinsv@r\vbox{%
12329 \unvbox\@mpfootinsv@r
12330 \@RTLtrue
12331 \def\baselinestretch{\m@m@footnote@spacing}%
12332 \reset@font\RTLfoottextfont
12333 \hsize\columnwidth \@parboxrestore
12334 \protected@edef\@currentlabel{%
12335 \csname p@mpfootnote\endcsname\@thefnmark}%
12336 \color@bebingroup
12337 \@threecolRTLfootfmt{#1}%
12338 \color@endgroup}\m@mmf@prepare}
12339 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
12340 \@namedef{@threecol@footgroup#1}{%
12341 \def\baselinestretch{\m@m@footnote@spacing}%
12342 \hsize\bidi@columnwidth
12343 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12344 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
12345 \newcommand{\bidi@make@threecol@LTRfootgroup}[1]{%
12346 \@namedef{@threecol@LTRfootgroup#1}{%
12347 \def\baselinestretch{\m@m@footnote@spacing}%
12348 \hsize\bidi@columnwidth
12349 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12350 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
12351 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
12352 \@namedef{@mpthreecol@footgroup#1}{%
12353 \def\baselinestretch{\m@m@footnote@spacing}%
12354 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12355 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
12356 \newcommand{\bidi@make@mpthreecol@LTRfootgroup}[1]{%
12357 \@namedef{@mpthreecol@LTRfootgroup#1}{%
12358 \def\baselinestretch{\m@m@footnote@spacing}%
12359 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12360 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
12361 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
12362 \@namedef{foottextfontv@r}{\foottextfont}% \ [RS]
12363 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12364 \@bidi@before@Hy@hyperfootnotes
12365 \let\@footnotetext\@fourcolfootnotetext
12366 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
12367 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
12368 \dimen\footinsv@r=4\footinsdim
12369 \count\footinsv@r=250\relax
12370 \m@make@fourcol@footgroup{v@r}%
12371 \let\@footgroupv@r\@fourcol@footgroupv@r
12372 \dimen\footinsv@l=4\footinsdim
12373 \count\footinsv@l=250\relax
12374 \bidi@make@fourcol@LTRfootgroup{v@l}%
12375 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12376 \let\@mpfootnotetext\@mpfourcolfootnotetext
12377 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
12378 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext

```



```

12379 \@bidi@after@Hy@hyperfootnotes
12380 \m@make@mpfourcol@footgroup{v@r}%
12381 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12382 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12383 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12384 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12385 }
12386 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert
12387 \if@RTL@footnote
12388 \footinsv@r
12389 \else
12390 \footinsv@l
12391 \fi
12392 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12393 \def\baselinestretch{\m@m@footnote@spacing}%
12394 \reset@font\foottextfont
12395 \@preamfntext
12396 \protected@edef\@currentlabel{%
12397 \csname p@footnote\endcsname\@thefnmark}%
12398 \color@begingroup
12399 \@fourcolfootfmt{#1}%
12400 \color@endgroup}%
12401 \m@mmf@prepare}
12402 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12403 \def\baselinestretch{\m@m@footnote@spacing}%
12404 \reset@font\LTRfoottextfont
12405 \@preamfntext
12406 \protected@edef\@currentlabel{%
12407 \csname p@footnote\endcsname\@thefnmark}%
12408 \color@begingroup
12409 \@fourcolLTRfootfmt{#1}%
12410 \color@endgroup}%
12411 \m@mmf@prepare}
12412 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12413 \def\baselinestretch{\m@m@footnote@spacing}%
12414 \reset@font\RTLfoottextfont
12415 \@preamfntext
12416 \protected@edef\@currentlabel{%
12417 \csname p@footnote\endcsname\@thefnmark}%
12418 \color@begingroup
12419 \@fourcolRTLfootfmt{#1}%
12420 \color@endgroup}%
12421 \m@mmf@prepare}
12422 \bidi@ensure@newcommand{\@preamfourfmt}{%
12423 \hspace .25\hspace
12424 \parindent=\z@
12425 \tolerance=5000\relax
12426 \leavevmode}
12427 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
12428 \@preamfourfmt
12429 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12430 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
12431 \@preamfourfmt
12432 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}

```




```

12433 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
12434   \@preamfourfmt
12435   {\RTLfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12436 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
12437   \global\setbox
12438     \ifRTL@footnote
12439     \@mpfootinsv@r
12440   \else
12441     \@mpfootinsv@l
12442   \fi
12443   \vbox{%
12444     \unvbox
12445     \ifRTL@footnote
12446     \@mpfootinsv@r
12447   \else
12448     \@mpfootinsv@l
12449   \fi
12450   \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
12451   \def\baselinestretch{\m@m@footnote@spacing}%
12452   \reset@font\foottextfont
12453   \hsize\columnwidth \@parboxrestore
12454   \protected@edef\@currentlabel{%
12455     \csname p@mpfootnote\endcsname\@thefnmark}%
12456   \color@begingroup
12457     \@fourcolfootfmt{#1}%
12458   \color@endgroup}%
12459   \m@mmf@prepare}
12460 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
12461   \global\setbox\@mpfootinsv@l\vbox{%
12462     \unvbox\@mpfootinsv@l
12463     \@RTLfalse
12464     \def\baselinestretch{\m@m@footnote@spacing}%
12465     \reset@font\LTRfoottextfont
12466     \hsize\columnwidth \@parboxrestore
12467     \protected@edef\@currentlabel{%
12468       \csname p@mpfootnote\endcsname\@thefnmark}%
12469     \color@begingroup
12470       \@fourcolLTRfootfmt{#1}%
12471     \color@endgroup}%
12472     \m@mmf@prepare}
12473 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
12474   \global\setbox\@mpfootinsv@r\vbox{%
12475     \unvbox\@mpfootinsv@r
12476     \@RTLtrue
12477     \def\baselinestretch{\m@m@footnote@spacing}%
12478     \reset@font\RTLfoottextfont
12479     \hsize\columnwidth \@parboxrestore
12480     \protected@edef\@currentlabel{%
12481       \csname p@mpfootnote\endcsname\@thefnmark}%
12482     \color@begingroup
12483       \@fourcolRTLfootfmt{#1}%
12484     \color@endgroup}%
12485     \m@mmf@prepare}
12486 \bidi@ensure@newcommand{\@m@make@fourcol@footgroup}[1]{%

```



```

12487 \@namedef{@fourcol@footgroup#1}{%
12488 \def\baselinestretch{\m@m@footnote@spacing}%
12489 \hsize\ bidi@columnwidth
12490 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12491 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}
12492 \newcommand{\bidi@make@fourcol@LTRfootgroup}[1]{%
12493 \@namedef{@fourcol@LTRfootgroup#1}{%
12494 \def\baselinestretch{\m@m@footnote@spacing}%
12495 \hsize\ bidi@columnwidth
12496 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12497 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}
12498 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
12499 \@namedef{@mpfourcol@footgroup#1}{%
12500 \def\baselinestretch{\m@m@footnote@spacing}%
12501 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12502 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}
12503 \newcommand{\bidi@make@mpfourcol@LTRfootgroup}[1]{%
12504 \@namedef{@mpfourcol@LTRfootgroup#1}{%
12505 \def\baselinestretch{\m@m@footnote@spacing}%
12506 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12507 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}
12508 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
12509 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12510 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12511 \@bidi@before@Hy@hyperfootnotes
12512 \let\@footnotetext\@fivecolfootnotetext
12513 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
12514 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
12515 \dimen\footinsv@r=5\footinsdim
12516 \count\footinsv@r=200\relax
12517 \m@make@fivecol@footgroup{v@r}%
12518 \let\@footgroupv@r\@fivecol@footgroupv@r
12519 \dimen\footinsv@l=5\footinsdim
12520 \count\footinsv@l=200\relax
12521 \bidi@make@fivecol@LTRfootgroup{v@l}%
12522 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
12523 \let\@mpfootnotetext\@mpfivecolfootnotetext
12524 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
12525 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
12526 \@bidi@after@Hy@hyperfootnotes
12527 \m@make@mpfivecol@footgroup{v@r}%
12528 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
12529 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
12530 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
12531 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12532 }
12533 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert
12534 \if@RTL@footnote
12535 \footinsv@r
12536 \else
12537 \footinsv@l
12538 \fi
12539 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12540 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

12541 \reset@font\foottextfont
12542 \@preamfntext
12543 \protected@edef\@currentlabel{%
12544   \csname p@footnote\endcsname\@thefnmark}%
12545 \color@begingroup
12546   \@fivecolfootfmt{#1}%
12547 \color@endgroup}%
12548 \m@mmf@prepare}
12549 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12550 \def\baselinestretch{\m@m@footnote@spacing}%
12551 \reset@font\LTRfoottextfont
12552 \@preamfntext
12553 \protected@edef\@currentlabel{%
12554   \csname p@footnote\endcsname\@thefnmark}%
12555 \color@begingroup
12556   \@fivecolLTRfootfmt{#1}%
12557 \color@endgroup}%
12558 \m@mmf@prepare}
12559 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12560 \def\baselinestretch{\m@m@footnote@spacing}%
12561 \reset@font\RTLfoottextfont
12562 \@preamfntext
12563 \protected@edef\@currentlabel{%
12564   \csname p@footnote\endcsname\@thefnmark}%
12565 \color@begingroup
12566   \@fivecolRTLfootfmt{#1}%
12567 \color@endgroup}%
12568 \m@mmf@prepare}
12569 \bidi@ensure@newcommand{\@preamfivefmt}{%
12570 \hsize .2\hsize
12571 \parindent=\z@
12572 \tolerance=5000\relax
12573 \leavevmode}
12574 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
12575 \@preamfivefmt
12576   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12577 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
12578 \@preamfivefmt
12579   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12580 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
12581 \@preamfivefmt
12582   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12583 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
12584 \global\setbox
12585   \if@RTL@footnote
12586   \@mpfootinsv@r
12587   \else
12588   \@mpfootinsv@l
12589   \fi
12590 \vbox{%
12591   \unvbox
12592   \if@RTL@footnote
12593   \@mpfootinsv@r
12594   \else

```



```

12595 \mpfootinsv@l
12596 \fi
12597 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
12598 \def\baselinestretch{\m@m@footnote@spacing}%
12599 \reset@font\foottextfont
12600 \hsize\columnwidth \@parboxrestore
12601 \protected@edef\@currentlabel{%
12602 \csname p@mpfootnote\endcsname\@thefnmark}%
12603 \color@begingroup
12604 \@fivecolfootfmt{#1}%
12605 \color@endgroup}%
12606 \m@m@prepare}
12607 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
12608 \global\setbox\@mpfootinsv@l\vbox{%
12609 \unvbox\@mpfootinsv@l
12610 \@RTLfalse
12611 \def\baselinestretch{\m@m@footnote@spacing}%
12612 \reset@font\LTRfoottextfont
12613 \hsize\columnwidth \@parboxrestore
12614 \protected@edef\@currentlabel{%
12615 \csname p@mpfootnote\endcsname\@thefnmark}%
12616 \color@begingroup
12617 \@fivecolLTRfootfmt{#1}%
12618 \color@endgroup}%
12619 \m@m@prepare}
12620 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
12621 \global\setbox\@mpfootinsv@r\vbox{%
12622 \unvbox\@mpfootinsv@r
12623 \@RTLtrue
12624 \def\baselinestretch{\m@m@footnote@spacing}%
12625 \reset@font\RTLfoottextfont
12626 \hsize\columnwidth \@parboxrestore
12627 \protected@edef\@currentlabel{%
12628 \csname p@mpfootnote\endcsname\@thefnmark}%
12629 \color@begingroup
12630 \@fivecolRTLfootfmt{#1}%
12631 \color@endgroup}%
12632 \m@m@prepare}
12633 \bidi@ensure@newcommand{\@make@fivecol@footgroup}[1]{%
12634 \@namedef{@fivecol@footgroup#1}{%
12635 \def\baselinestretch{\m@m@footnote@spacing}%
12636 \hsize\bidi@columnwidth
12637 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12638 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
12639 \newcommand{\bidi@make@fivecol@LTRfootgroup}[1]{%
12640 \@namedef{@fivecol@LTRfootgroup#1}{%
12641 \def\baselinestretch{\m@m@footnote@spacing}%
12642 \hsize\bidi@columnwidth
12643 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12644 \bidi@LTRigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
12645 \bidi@ensure@newcommand{\@make@mpfivecol@footgroup}[1]{%
12646 \@namedef{@mpfivecol@footgroup#1}{%
12647 \def\baselinestretch{\m@m@footnote@spacing}%
12648 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

12649 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}
12650 \newcommand{\bidi@make@mpfivecol@LTRfootgroup}[1]{%
12651 \@namedef{@mpfivecol@LTRfootgroup#1}{%
12652 \def\baselinestretch{\m@m@footnote@spacing}%
12653 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12654 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
12655 \bidi@ensure@newcommand{\@sixcolumnfootnotes}{%
12656 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12657 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12658 \@bidi@before@Hy@hyperfootnotes
12659 \let\@footnotetext\@sixcolfootnotetext
12660 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
12661 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
12662 \dimen\footinsv@r=6\footinsdim
12663 \count\footinsv@r=166\relax
12664 \m@make@sixcol@footgroup{v@r}%
12665 \let\@footgroupv@r\@sixcol@footgroupv@r
12666 \dimen\footinsv@l=6\footinsdim
12667 \count\footinsv@l=166\relax
12668 \bidi@make@sixcol@LTRfootgroup{v@l}%
12669 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
12670 \let\@mpfootnotetext\@mpsixcolfootnotetext
12671 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
12672 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
12673 \@bidi@after@Hy@hyperfootnotes
12674 \m@make@mpsixcol@footgroup{v@r}%
12675 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
12676 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
12677 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
12678 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12679 }
12680 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert
12681 \if@RTL@footnote
12682 \footinsv@r
12683 \else
12684 \footinsv@l
12685 \fi
12686 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12687 \def\baselinestretch{\m@m@footnote@spacing}%
12688 \reset@font\foottextfont
12689 \@preamfntext
12690 \protected@edef\@currentlabel{%
12691 \csname p@footnote\endcsname\@thefnmark}%
12692 \color@begingroup
12693 \@sixcolfootfmt{#1}%
12694 \color@endgroup}%
12695 \m@mmf@prepare}
12696 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12697 \def\baselinestretch{\m@m@footnote@spacing}%
12698 \reset@font\LTRfoottextfont
12699 \@preamfntext
12700 \protected@edef\@currentlabel{%
12701 \csname p@footnote\endcsname\@thefnmark}%
12702 \color@begingroup

```



```

12703     \@sixcolLTRfootfmt{#1}%
12704     \color@endgroup}%
12705     \m@mmf@prepare}
12706 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12707     \def\baselinestretch{\m@m@footnote@spacing}%
12708     \reset@font\RTLfoottextfont
12709     \@preamfntext
12710     \protected@edef\@currentlabel{%
12711         \csname p@footnote\endcsname\@thefnmark}%
12712     \color@begingroup
12713         \@sixcolRTLfootfmt{#1}%
12714         \color@endgroup}%
12715         \m@mmf@prepare}
12716 \bidi@ensure@newcommand{\@preamsixfmt}{%
12717     \hspace .16\hspace
12718     \parindent=\z@
12719     \tolerance=5000\relax
12720     \leavevmode}
12721 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
12722     \@preamsixfmt
12723     {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12724 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
12725     \@preamsixfmt
12726     {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12727 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
12728     \@preamsixfmt
12729     {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12730 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{%
12731     \global\setbox
12732         \if@RTL@footnote
12733         \@mpfootinsv@r
12734         \else
12735         \@mpfootinsv@l
12736         \fi
12737     \vbox{%
12738         \unvbox
12739         \if@RTL@footnote
12740         \@mpfootinsv@r
12741         \else
12742         \@mpfootinsv@l
12743         \fi
12744         \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12745         \def\baselinestretch{\m@m@footnote@spacing}%
12746         \reset@font\foottextfont
12747         \hspace\columnwidth \@parboxrestore
12748         \protected@edef\@currentlabel{%
12749             \csname p@mpfootnote\endcsname\@thefnmark}%
12750         \color@begingroup
12751         \@sixcolfootfmt{#1}%
12752         \color@endgroup}%
12753         \m@mmf@prepare}
12754 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{%
12755     \global\setbox\@mpfootinsv@l\vbox{%
12756         \unvbox\@mpfootinsv@l

```



```

12757 \RTLfalse
12758 \def\baselinestretch{\m@m@footnote@spacing}%
12759 \reset@font\LTRfoottextfont
12760 \hsize\columnwidth \@parboxrestore
12761 \protected@edef\@currentlabel{%
12762   \csname p@mpfootnote\endcsname\@thefnmark}%
12763 \color@begingroup
12764 \@sixcolLTRfootfmt{#1}%
12765 \color@endgroup}%
12766 \m@mmf@prepare}
12767 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{%
12768   \global\setbox\@mpfootinsv@r\vbox{%
12769     \unvbox\@mpfootinsv@r
12770     \RTLtrue
12771     \def\baselinestretch{\m@m@footnote@spacing}%
12772     \reset@font\RTLfoottextfont
12773     \hsize\columnwidth \@parboxrestore
12774     \protected@edef\@currentlabel{%
12775       \csname p@mpfootnote\endcsname\@thefnmark}%
12776     \color@begingroup
12777     \@sixcolRTLfootfmt{#1}%
12778     \color@endgroup}%
12779     \m@mmf@prepare}
12780 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
12781   \@namedef{@sixcol@footgroup#1}{%
12782     \def\baselinestretch{\m@m@footnote@spacing}%
12783     \hsize\ bidi@columnwidth
12784     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12785     \m@mrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}
12786 \newcommand{\bidi@make@sixcol@LTRfootgroup}[1]{%
12787   \@namedef{@sixcol@LTRfootgroup#1}{%
12788     \def\baselinestretch{\m@m@footnote@spacing}%
12789     \hsize\ bidi@columnwidth
12790     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12791     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}
12792 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
12793   \@namedef{@mpsixcol@footgroup#1}{%
12794     \def\baselinestretch{\m@m@footnote@spacing}%
12795     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12796     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}
12797 \newcommand{\bidi@make@mpsixcol@LTRfootgroup}[1]{%
12798   \@namedef{@mpsixcol@LTRfootgroup#1}{%
12799     \def\baselinestretch{\m@m@footnote@spacing}%
12800     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12801     \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}
12802 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
12803   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12804   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12805   \@bidi@before@Hy@hyperfootnotes
12806   \let\@footnotetext\@sevendcolfootnotetext
12807   \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
12808   \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
12809   \dimen\footinsv@r=7\footinsdim
12810   \count\footinsv@r=142\relax

```



```

12811 \m@make@sevenscol@footgroup{v@r}%
12812 \let\@footgroupv@r\@sevenscol@footgroupv@r
12813 \dimen\footinsv@l=7\footinsdim
12814 \count\footinsv@l=142\relax
12815 \bidi@make@sevenscol@LTRfootgroup{v@l}%
12816 \let\@LTRfootgroupv@l\@sevenscol@LTRfootgroupv@l
12817 \let\@mpfootnotetext\@mpsevenscolfootnotetext
12818 \let\@mpLTRfootnotetext\@mpsevenscolLTRfootnotetext
12819 \let\@mpRTLfootnotetext\@mpsevenscolRTLfootnotetext
12820 \@bidi@after@Hy@hyperfootnotes
12821 \m@make@mpsevenscol@footgroup{v@r}%
12822 \let\mp@footgroupv@r\@mpsevenscol@footgroupv@r
12823 \bidi@make@mpsevenscol@LTRfootgroup{v@l}%
12824 \let\mp@LTRfootgroupv@l\@mpsevenscol@LTRfootgroupv@l
12825 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12826 }
12827 \bidi@ensure@newcommand{\@sevenscolfootnotetext}[1]{\insert
12828 \if@RTL@footnote
12829 \footinsv@r
12830 \else
12831 \footinsv@l
12832 \fi
12833 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}%
12834 \def\baselinestretch{\m@m@footnote@spacing}%
12835 \reset@font\foottextfont
12836 \@preamfntext
12837 \protected@edef\@currentlabel{%
12838 \csname p@footnote\endcsname\@thefnmark}%
12839 \color@begingroup
12840 \@sevenscolfootfmt{#1}%
12841 \color@endgroup}%
12842 \m@mmf@prepare}
12843 \bidi@ensure@newcommand{\@sevenscolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12844 \def\baselinestretch{\m@m@footnote@spacing}%
12845 \reset@font\LTRfoottextfont
12846 \@preamfntext
12847 \protected@edef\@currentlabel{%
12848 \csname p@footnote\endcsname\@thefnmark}%
12849 \color@begingroup
12850 \@sevenscolLTRfootfmt{#1}%
12851 \color@endgroup}%
12852 \m@mmf@prepare}
12853 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[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 \@sevenscolRTLfootfmt{#1}%
12861 \color@endgroup}%
12862 \m@mmf@prepare}
12863 \bidi@ensure@newcommand{\@preamsevenfmt}{%
12864 \hsize .142\hsize

```




```

12865 \parindent=\z@
12866 \tolerance=5000\relax
12867 \leavevmode}
12868 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
12869 \@preamsevenfmt
12870 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12871 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
12872 \@preamsevenfmt
12873 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12874 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
12875 \@preamsevenfmt
12876 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12877 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{%
12878 \global\setbox
12879 \if@RTL@footnote
12880 \@mpfootinsv@r
12881 \else
12882 \@mpfootinsv@l
12883 \fi
12884 \vbox{%
12885 \unvbox
12886 \if@RTL@footnote
12887 \@mpfootinsv@r
12888 \else
12889 \@mpfootinsv@l
12890 \fi
12891 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12892 \def\baselinestretch{\m@m@footnote@spacing}%
12893 \reset@font\foottextfont
12894 \hsize\columnwidth \@parboxrestore
12895 \protected@edef\@currentlabel{%
12896 \csname p@mpfootnote\endcsname\@thefnmark}%
12897 \color@begingroup
12898 \@sevendcolfootfmt{#1}%
12899 \color@endgroup}%
12900 \m@m@mf@prepare}
12901 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{%
12902 \global\setbox\@mpfootinsv@l\vbox{%
12903 \unvbox\@mpfootinsv@l
12904 \@RTLfalse
12905 \def\baselinestretch{\m@m@footnote@spacing}%
12906 \reset@font\LTRfoottextfont
12907 \hsize\columnwidth \@parboxrestore
12908 \protected@edef\@currentlabel{%
12909 \csname p@mpfootnote\endcsname\@thefnmark}%
12910 \color@begingroup
12911 \@sevendcolLTRfootfmt{#1}%
12912 \color@endgroup}%
12913 \m@m@mf@prepare}
12914 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{%
12915 \global\setbox\@mpfootinsv@r\vbox{%
12916 \unvbox\@mpfootinsv@r
12917 \@RTLtrue
12918 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

12919 \reset@font\RTLfoottextfont
12920 \hsize\columnwidth \@parboxrestore
12921 \protected@edef\@currentlabel{%
12922 \csname p@mpfootnote\endcsname\@thefnmark}%
12923 \color@begingroup
12924 \@sevenscolRTLfootfmt{#1}%
12925 \color@endgroup}%
12926 \m@mmf@prepare}
12927 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
12928 \@namedef{@sevenscol@footgroup#1}{%
12929 \def\baselinestretch{\m@footnote@spacing}%
12930 \hsize\bidi@columnwidth
12931 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12932 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}
12933 \newcommand{\bidi@make@sevenscol@LTRfootgroup}[1]{%
12934 \@namedef{@sevenscol@LTRfootgroup#1}{%
12935 \def\baselinestretch{\m@footnote@spacing}%
12936 \hsize\bidi@columnwidth
12937 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12938 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}
12939 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
12940 \@namedef{@mpsevenscol@footgroup#1}{%
12941 \def\baselinestretch{\m@footnote@spacing}%
12942 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12943 \m@mrigidbalance{\@nameuse{mpfootins#1}}{7}{\splittopskip}}
12944 \newcommand{\bidi@make@mpsevenscol@LTRfootgroup}[1]{%
12945 \@namedef{@mpsevenscol@LTRfootgroup#1}{%
12946 \def\baselinestretch{\m@footnote@spacing}%
12947 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12948 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{7}{\splittopskip}}
12949 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
12950 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12951 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12952 \@bidi@before@Hy@hyperfootnotes
12953 \let\@footnotetext\@eightcolfootnotetext
12954 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
12955 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
12956 \dimen\footinsv@r=8\footinsdim
12957 \count\footinsv@r=125\relax
12958 \m@make@eightcol@footgroup{v@r}%
12959 \let\@footgroupv@r\@eightcol@footgroupv@r
12960 \dimen\footinsv@l=8\footinsdim
12961 \count\footinsv@l=125\relax
12962 \bidi@make@eightcol@LTRfootgroup{v@l}%
12963 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
12964 \let\@mpfootnotetext\@mpeightcolfootnotetext
12965 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
12966 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
12967 \@bidi@after@Hy@hyperfootnotes
12968 \m@make@mpeightcol@footgroup{v@r}%
12969 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
12970 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
12971 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
12972 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth

```



```

12973 }
12974 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert
12975   \if@RTL@footnote
12976     \footinsv@r
12977   \else
12978     \footinsv@l
12979   \fi
12980 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12981 \def\baselinestretch{\m@m@footnote@spacing}%
12982 \reset@font\foottextfont
12983 \@preamfntext
12984 \protected@edef\@currentlabel{%
12985   \csname p@footnote\endcsname\@thefnmark}%
12986 \color@begingroup
12987   \@eightcolfootfmt{#1}%
12988 \color@endgroup}%
12989 \m@m@mmf@prepare}
12990 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12991 \def\baselinestretch{\m@m@footnote@spacing}%
12992 \reset@font\LTRfoottextfont
12993 \@preamfntext
12994 \protected@edef\@currentlabel{%
12995   \csname p@footnote\endcsname\@thefnmark}%
12996 \color@begingroup
12997   \@eightcolLTRfootfmt{#1}%
12998 \color@endgroup}%
12999 \m@m@mmf@prepare}
13000 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13001 \def\baselinestretch{\m@m@footnote@spacing}%
13002 \reset@font\RTLfoottextfont
13003 \@preamfntext
13004 \protected@edef\@currentlabel{%
13005   \csname p@footnote\endcsname\@thefnmark}%
13006 \color@begingroup
13007   \@eightcolRTLfootfmt{#1}%
13008 \color@endgroup}%
13009 \m@m@mmf@prepare}
13010 \bidi@ensure@newcommand{\@preameightfmt}{%
13011 \hsize .125\hsize
13012 \parindent=\z@
13013 \tolerance=5000\relax
13014 \leavevmode}
13015 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
13016 \@preameightfmt
13017 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13018 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
13019 \@preameightfmt
13020 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13021 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
13022 \@preameightfmt
13023 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13024 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
13025 \global\setbox
13026   \if@RTL@footnote

```



```

13027 \mpfootinsv@r
13028 \else
13029 \mpfootinsv@l
13030 \fi
13031 \vbox{%
13032 \unvbox
13033 \if@RTL@footnote
13034 \mpfootinsv@r
13035 \else
13036 \mpfootinsv@l
13037 \fi
13038 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13039 \def\baselinestretch{\m@m@footnote@spacing}%
13040 \reset@font\foottextfont
13041 \hsize\columnwidth \@parboxrestore
13042 \protected@edef\@currentlabel{%
13043 \csname p@mpfootnote\endcsname\@thefnmark}%
13044 \color@begingroup
13045 \@eightcolfootfmt{#1}%
13046 \color@endgroup}%
13047 \m@m@prepare}
13048 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
13049 \global\setbox\@mpfootinsv@l\vbox{%
13050 \unvbox\@mpfootinsv@l
13051 \@RTLfalse
13052 \def\baselinestretch{\m@m@footnote@spacing}%
13053 \reset@font\LTRfoottextfont
13054 \hsize\columnwidth \@parboxrestore
13055 \protected@edef\@currentlabel{%
13056 \csname p@mpfootnote\endcsname\@thefnmark}%
13057 \color@begingroup
13058 \@eightcolLTRfootfmt{#1}%
13059 \color@endgroup}%
13060 \m@m@prepare}
13061 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
13062 \global\setbox\@mpfootinsv@r\vbox{%
13063 \unvbox\@mpfootinsv@r
13064 \@RTLtrue
13065 \def\baselinestretch{\m@m@footnote@spacing}%
13066 \reset@font\RTLfoottextfont
13067 \hsize\columnwidth \@parboxrestore
13068 \protected@edef\@currentlabel{%
13069 \csname p@mpfootnote\endcsname\@thefnmark}%
13070 \color@begingroup
13071 \@eightcolRTLfootfmt{#1}%
13072 \color@endgroup}%
13073 \m@m@prepare}
13074 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
13075 \@namedef{@eightcol@footgroup#1}{-%
13076 \def\baselinestretch{\m@m@footnote@spacing}%
13077 \hsize\bidi@columnwidth
13078 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13079 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}
13080 \newcommand{\bidi@make@eightcol@LTRfootgroup}[1]{%

```



```

13081 \@namedef{@eightcol@LTRfootgroup#1}{%
13082 \def\baselinestretch{\m@m@footnote@spacing}%
13083 \hsize\ bidi@columnwidth
13084 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13085 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}
13086 \bidi@ensure@newcommand{\m@make@peightcol@footgroup}[1]{%
13087 \@namedef{@peightcol@footgroup#1}{%
13088 \def\baselinestretch{\m@m@footnote@spacing}%
13089 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13090 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}
13091 \newcommand{\bidi@make@peightcol@LTRfootgroup}[1]{%
13092 \@namedef{@peightcol@LTRfootgroup#1}{%
13093 \def\baselinestretch{\m@m@footnote@spacing}%
13094 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13095 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}
13096 \bidi@ensure@newcommand{\ninelcolumnfootnotes}{%
13097 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13098 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13099 \@bidi@before@Hy@hyperfootnotes
13100 \let\@footnotetext\@ninelcolfootnotetext
13101 \let\@LTRfootnotetext\@ninelcolLTRfootnotetext
13102 \let\@RTLfootnotetext\@ninelcolRTLfootnotetext
13103 \dimen\footinsv@r=9\footinsdim
13104 \count\footinsv@r=111\relax
13105 \m@make@ninelcol@footgroup{v@r}%
13106 \let\@footgroupv@r\@ninelcol@footgroupv@r
13107 \dimen\footinsv@l=9\footinsdim
13108 \count\footinsv@l=111\relax
13109 \bidi@make@ninelcol@LTRfootgroup{v@l}%
13110 \let\@LTRfootgroupv@l\@ninelcol@LTRfootgroupv@l
13111 \let\@mpfootnotetext\@mpninelcolfootnotetext
13112 \let\@mpLTRfootnotetext\@mpninelcolLTRfootnotetext
13113 \let\@mpRTLfootnotetext\@mpninelcolRTLfootnotetext
13114 \@bidi@after@Hy@hyperfootnotes
13115 \m@make@mpninelcol@footgroup{v@r}%
13116 \let\mp@footgroupv@r\@mpninelcol@footgroupv@r
13117 \bidi@make@mpninelcol@LTRfootgroup{v@l}%
13118 \let\mp@LTRfootgroupv@l\@mpninelcol@LTRfootgroupv@l
13119 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13120 }
13121 \bidi@ensure@newcommand{\@ninelcolfootnotetext}[1]{\insert
13122 \if@RTL@footnote
13123 \footinsv@r
13124 \else
13125 \footinsv@l
13126 \fi
13127 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13128 \def\baselinestretch{\m@m@footnote@spacing}%
13129 \reset@font\foottextfont
13130 \@preamfntext
13131 \protected@edef\@currentlabel{%
13132 \csname p@footnote\endcsname\@thefnmark}%
13133 \color@begingroup
13134 \@ninelcolfootfmt{#1}%

```



```

13135 \color@endgroup}%
13136 \m@mmf@prepare}
13137 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@1{\@RTLfalse%
13138 \def\baselinestretch{\m@m@footnote@spacing}%
13139 \reset@font\LTRfoottextfont
13140 \@preamfntext
13141 \protected@edef\@currentlabel{%
13142 \csname p@footnote\endcsname\@thefnmark}%
13143 \color@begingroup
13144 \@ninecolLTRfootfmt{#1}%
13145 \color@endgroup}%
13146 \m@mmf@prepare}
13147 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13148 \def\baselinestretch{\m@m@footnote@spacing}%
13149 \reset@font\RTLfoottextfont
13150 \@preamfntext
13151 \protected@edef\@currentlabel{%
13152 \csname p@footnote\endcsname\@thefnmark}%
13153 \color@begingroup
13154 \@ninecolRTLfootfmt{#1}%
13155 \color@endgroup}%
13156 \m@mmf@prepare}
13157 \bidi@ensure@newcommand{\@preamninefmt}{%
13158 \hsize .1\hsize
13159 \parindent=\z@
13160 \tolerance=5000\relax
13161 \leavevmode}
13162 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
13163 \@preamninefmt
13164 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13165 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
13166 \@preamninefmt
13167 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13168 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
13169 \@preamninefmt
13170 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13171 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
13172 \global\setbox
13173 \if@RTL@footnote
13174 \@mpfootinsv@r
13175 \else
13176 \@mpfootinsv@l
13177 \fi
13178 \vbox{%
13179 \unvbox
13180 \if@RTL@footnote
13181 \@mpfootinsv@r
13182 \else
13183 \@mpfootinsv@l
13184 \fi
13185 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13186 \def\baselinestretch{\m@m@footnote@spacing}%
13187 \reset@font\foottextfont
13188 \hsize\columnwidth \@parboxrestore

```



```

13189 \protected@edef\@currentlabel{%
13190 \csname p@mpfootnote\endcsname\@thefnmark}%
13191 \color@begingroup
13192 \@ninecolfootfmt{#1}%
13193 \color@endgroup}%
13194 \m@mmf@prepare}
13195 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
13196 \global\setbox\@mpfootinsv1\vbox{%
13197 \unvbox\@mpfootinsv1
13198 \@RTLfalse
13199 \def\baselinestretch{\m@m@footnote@spacing}%
13200 \reset@font\LTRfoottextfont
13201 \hsize\columnwidth \@parboxrestore
13202 \protected@edef\@currentlabel{%
13203 \csname p@mpfootnote\endcsname\@thefnmark}%
13204 \color@begingroup
13205 \@ninecolLTRfootfmt{#1}%
13206 \color@endgroup}%
13207 \m@mmf@prepare}
13208 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
13209 \global\setbox\@mpfootinsv@r\vbox{%
13210 \unvbox\@mpfootinsv@r
13211 \@RTLtrue
13212 \def\baselinestretch{\m@m@footnote@spacing}%
13213 \reset@font\RTLfoottextfont
13214 \hsize\columnwidth \@parboxrestore
13215 \protected@edef\@currentlabel{%
13216 \csname p@mpfootnote\endcsname\@thefnmark}%
13217 \color@begingroup
13218 \@ninecolRTLfootfmt{#1}%
13219 \color@endgroup}%
13220 \m@mmf@prepare}
13221 \bidi@ensure@newcommand{\@make@ninecol@footgroup}[1]{%
13222 \@namedef{@ninecol@footgroup#1}{%
13223 \def\baselinestretch{\m@m@footnote@spacing}%
13224 \hsize\@bidi@columnwidth
13225 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13226 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
13227 \newcommand{\@bidi@make@ninecol@LTRfootgroup}[1]{%
13228 \@namedef{@ninecol@LTRfootgroup#1}{%
13229 \def\baselinestretch{\m@m@footnote@spacing}%
13230 \hsize\@bidi@columnwidth
13231 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13232 \@bidi@LTRrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
13233 \bidi@ensure@newcommand{\@make@mpninecol@footgroup}[1]{%
13234 \@namedef{@mpninecol@footgroup#1}{%
13235 \def\baselinestretch{\m@m@footnote@spacing}%
13236 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13237 \m@mrigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}}}
13238 \newcommand{\@bidi@make@mpninecol@LTRfootgroup}[1]{%
13239 \@namedef{@mpninecol@LTRfootgroup#1}{%
13240 \def\baselinestretch{\m@m@footnote@spacing}%
13241 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13242 \@bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}}}

```




```

13243 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
13244   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13245   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13246   \@bidi@before@Hy@hyperfootnotes
13247   \let\@footnotetext\@tencolfootnotetext
13248   \let\@LTRfootnotetext\@tencolLTRfootnotetext
13249   \let\@RTLfootnotetext\@tencolRTLfootnotetext
13250   \dimen\footinsv@r=10\footinsdim
13251   \count\footinsv@r=100\relax
13252   \m@make@tencol@footgroup{v@r}%
13253   \let\@footgroupv@r\@tencol@footgroupv@r
13254   \dimen\footinsv@l=10\footinsdim
13255   \count\footinsv@l=100\relax
13256   \bidi@make@tencol@LTRfootgroup{v@l}%
13257   \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
13258   \let\@mpfootnotetext\@mptencolfootnotetext
13259   \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
13260   \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
13261   \@bidi@after@Hy@hyperfootnotes
13262   \m@make@mptencol@footgroup{v@r}%
13263   \let\@mp@footgroupv@r\@mptencol@footgroupv@r
13264   \bidi@make@mptencol@LTRfootgroup{v@l}%
13265   \let\@mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
13266   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13267 }
13268 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert
13269   \if@RTL@footnote
13270     \footinsv@r
13271   \else
13272     \footinsv@l
13273   \fi
13274 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13275   \def\baselinestretch{\m@m@footnote@spacing}%
13276   \reset@font\foottextfont
13277   \@preamfntext
13278   \protected@edef\@currentlabel{%
13279     \csname p@footnote\endcsname\@thefnmark}%
13280   \color@begingroup
13281     \@tencolfootfmt{#1}%
13282   \color@endgroup}%
13283   \m@mmf@prepare}
13284 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13285   \def\baselinestretch{\m@m@footnote@spacing}%
13286   \reset@font\LTRfoottextfont
13287   \@preamfntext
13288   \protected@edef\@currentlabel{%
13289     \csname p@footnote\endcsname\@thefnmark}%
13290   \color@begingroup
13291     \@tencolLTRfootfmt{#1}%
13292   \color@endgroup}%
13293   \m@mmf@prepare}
13294 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13295   \def\baselinestretch{\m@m@footnote@spacing}%
13296   \reset@font\RTLfoottextfont

```




```

13297 \@preamfntext
13298 \protected@edef\@currentlabel{%
13299   \csname p@footnote\endcsname\@thefnmark}%
13300 \color@begingroup
13301   \@tencolRTLfootfmt{#1}%
13302 \color@endgroup}%
13303 \m@mmf@prepare}
13304 \bidi@ensure@newcommand{\@preamtenfmt}{%
13305   \hsize .1\hsize
13306   \parindent=\z@
13307   \tolerance=5000\relax
13308   \leavevmode}
13309 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
13310   \@preamtenfmt
13311   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13312 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
13313   \@preamtenfmt
13314   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13315 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
13316   \@preamtenfmt
13317   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13318 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
13319   \global\setbox
13320     \if@RTL@footnote
13321     \@mpfootinsv@r
13322   \else
13323     \@mpfootinsv@l
13324   \fi
13325   \vbox{%
13326     \unvbox
13327     \if@RTL@footnote
13328     \@mpfootinsv@r
13329   \else
13330     \@mpfootinsv@l
13331   \fi
13332   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13333   \def\baselinestretch{\m@m@footnote@spacing}%
13334   \reset@font\foottextfont
13335   \hsize\columnwidth \@parboxrestore
13336   \protected@edef\@currentlabel{%
13337     \csname p@mpfootnote\endcsname\@thefnmark}%
13338   \color@begingroup
13339     \@tencolfootfmt{#1}%
13340   \color@endgroup}%
13341   \m@mmf@prepare}
13342 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
13343   \global\setbox\@mpfootinsv@l\vbox{%
13344     \unvbox\@mpfootinsv@l
13345     \@RTLfalse
13346     \def\baselinestretch{\m@m@footnote@spacing}%
13347     \reset@font\LTRfoottextfont
13348     \hsize\columnwidth \@parboxrestore
13349     \protected@edef\@currentlabel{%
13350       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

13351 \color@begingroup
13352 \tencolLTRfootfmt{#1}%
13353 \color@endgroup}%
13354 \m@mmf@prepare}
13355 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
13356 \global\setbox\@mpfootinsv@r\vbox{%
13357 \unvbox\@mpfootinsv@r
13358 \@RTLtrue
13359 \def\baselinestretch{\m@m@footnote@spacing}%
13360 \reset@font\RTLfoottextfont
13361 \hsize\columnwidth \@parboxrestore
13362 \protected@edef\@currentlabel{%
13363 \csname p@mpfootnote\endcsname\@thefnmark}%
13364 \color@begingroup
13365 \tencolRTLfootfmt{#1}%
13366 \color@endgroup}%
13367 \m@mmf@prepare}
13368 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
13369 \@namedef{@tencol@footgroup#1}{%
13370 \def\baselinestretch{\m@m@footnote@spacing}%
13371 \hsize\ bidi@columnwidth
13372 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13373 \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
13374 \newcommand{\bidi@make@tencol@LTRfootgroup}[1]{%
13375 \@namedef{@tencol@LTRfootgroup#1}{%
13376 \def\baselinestretch{\m@m@footnote@spacing}%
13377 \hsize\ bidi@columnwidth
13378 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13379 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
13380 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
13381 \@namedef{@mptencol@footgroup#1}{%
13382 \def\baselinestretch{\m@m@footnote@spacing}%
13383 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13384 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
13385 \newcommand{\bidi@make@mptencol@LTRfootgroup}[1]{%
13386 \@namedef{@mptencol@LTRfootgroup#1}{%
13387 \def\baselinestretch{\m@m@footnote@spacing}%
13388 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13389 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
13390 \bidi@ensure@newcommand{\m@munvxh}[1]{%
13391 \setbox0=\vbox{\unvbox#1%
13392 \global\setbox1=\lastbox}%
13393 \unhbox1
13394 \unskip
13395 \unskip
13396 \unpenalty
13397 \hskip\m@mipn@skip}
13398 \bidi@ensure@newcommand{\m@mungebox}{%
13399 \setbox0=\hbox{\m@munvxh0}%
13400 \dp0=\z@
13401 \ht0=\footfudgefactor\wd0
13402 \box0
13403 \penalty0}
13404 \newskip\m@mipn@skip

```



```

13405 \bidi@ensure@newcommand*{\m@minterparanoteglu}[1]{%
13406   {\foottextfont\global\m@mipn@skip=#1\relax}}
13407 \m@minterparanoteglu{1em plus.3em minus.3em}
13408 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
13409   \setbox0=\hbox{}}%
13410   \loop
13411     \unpenalty
13412     \setbox2=\lastbox
13413   \ifhbox2
13414     \setbox0=\hbox{\box2\unhbox0}
13415   \repeat}
13416 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
13417   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
13418 \newcommand*\AddExtraParaSkip[1]{%
13419   \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
13420 }
13421 \let\bidi@xparaskip\relax
13422 \@onlypreamble\AddExtraParaSkip
13423 \@onlypreamble\bidi@xparaskip
13424 \def\bidi@startparafootskip#1{%
13425   \global\advance\skip#1\bidi@paraskip
13426 }
13427 \@onlypreamble\bidi@startparafootskip
13428 \bidi@ensure@newcommand{\paragraphfootnotes}{%
13429   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13430   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13431   \@bidi@before@Hy@hyperfootnotes
13432   \let\@footnotetext\@parafootnotetext
13433   \let\@LTRfootnotetext\@paraLTRfootnotetext
13434   \let\@RTLfootnotetext\@paraRTLfootnotetext
13435   \dimen\footinsv@r=\footinsdim
13436   \count\footinsv@r=1000\relax
13437   \let\bidi@removexfootskip\bidi@removexparafootskip
13438   \m@make@para@footgroup{v@r}%
13439   \m@make@para@footstart{v@r}%
13440   \let\@footgroupv@r\@para@footgroupv@r
13441   \let\@footstartv@r\@para@footstartv@r
13442   \dimen\footinsv@l=\footinsdim
13443   \count\footinsv@l=1000\relax
13444   \bidi@make@para@LTRfootgroup{v@l}%
13445   \m@make@para@footstart{v@l}%
13446   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
13447   \let\@footstartv@l\@para@footstartv@l
13448   \let\@mpfootnotetext\@mpparafootnotetext
13449   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
13450   \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
13451   \@bidi@after@Hy@hyperfootnotes
13452   \m@make@mppara@footgroup{v@r}%
13453   \bidi@make@mppara@LTRfootgroup{v@l}%
13454   \let\mp@footgroupv@r\@mppara@footgroupv@r
13455   \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
13456   \g@addto@macro\bidi@floathook{%
13457     \begingroup
13458     \foottextfont \@tempdima\normalbaselineskip

```



```

13459     \multiply \@tempdima \@cclvi
13460     \@tempdimb \columnwidth
13461     \divide \@tempdimb \@cclvi
13462     \divide \@tempdima \@tempdimb
13463     \xdef\footfudgefactor{\strip@pt\@tempdima}%
13464 \endgroup
13465 }
13466 \AtBeginDocument{%
13467   \begingroup
13468     \foottextfont
13469     \@tempdima\footnotesep
13470     \advance\@tempdima -\ht\strutbox
13471     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
13472     \advance\@tempdima.5\normalbaselineskip
13473     \bidi@xparaskip
13474     \xdef\bidi@paraskip{\the\@tempdima\relax}%
13475 \endgroup
13476 \bidi@startparafootskip\footinsv@r
13477 \bidi@startparafootskip\footinsv@l
13478 }
13479 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13480 }
13481 \newcommand{\normalRTLparaLTRfootnotes}{%
13482   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13483   \@bidi@before@Hy@hyperfootnotes
13484   \if@RTL@footnote
13485     \let\@footnotetext\m@mold@footnotetext
13486   \else
13487     \let\@footnotetext\@parafootnotetext
13488   \fi
13489   \let\@LTRfootnotetext\@paraLTRfootnotetext
13490   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
13491   \dimen\footinsv@l=\footinsdim
13492   \count\footinsv@l=1000\relax
13493   \let\bidi@removexfootskip\bidi@removexparafootskip
13494   \bidi@make@para@LTRfootgroup{v@l}%
13495   \m@make@para@footstart{v@l}%
13496   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
13497   \let\@footstartv@l\@para@footstartv@l
13498   \if@RTL@footnote
13499     \let\@mpfootnotetext\m@mold@mpfootnotetext
13500   \else
13501     \let\@mpfootnotetext\@mpparafootnotetext
13502   \fi
13503   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
13504   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
13505   \@bidi@after@Hy@hyperfootnotes
13506   \bidi@make@mppara@LTRfootgroup{v@l}%
13507   \let\@mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
13508   \g@addto@macro\bidi@floathook{%
13509     \begingroup
13510       \LTRfoottextfont \@tempdima\normalbaselineskip
13511       \multiply \@tempdima \@cclvi
13512       \@tempdimb \columnwidth

```



```

13513     \divide \@tempdimb \@cclvi
13514     \divide \@tempdima \@tempdimb
13515     \xdef\footfudgefactor{\strip@pt\@tempdima}%
13516   \endgroup
13517 }
13518 \AtBeginDocument{%
13519   \begingroup
13520     \LTRfoottextfont
13521     \@tempdima\footnotesep
13522     \advance\@tempdima -\ht\strutbox
13523     \ifdim\@tempdima<z@ \@tempdima\z@ \fi
13524     \advance\@tempdima.5\normalbaselineskip
13525     \bidi@xparaskip
13526     \xdef\bidi@paraskip{\the\@tempdima\relax}%
13527   \endgroup
13528   \bidi@startparafootskip\footinsv@l
13529 }
13530   \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13531 }
13532 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
13533   \if@RTL@footnote
13534     \footinsv@r
13535   \else
13536     \footinsv@l
13537   \fi
13538   {%
13539     \let\bidi@RTL@everypar\@empty%
13540     \def\baselinestretch{\m@m@footnote@spacing}%
13541     \reset@font\foottextfont
13542     \@preamfntext
13543     \protected@edef\@currentlabel{%
13544       \csname p@footnote\endcsname\@thefnmark}%
13545     \setbox0=\vbox{\hsize=\maxdimen
13546       \color@begingroup
13547         \noindent \@parafootfmt{#1}%
13548       \color@endgroup}%
13549     \m@mungebox}\m@mmf@prepare}
13550 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
13551   \let\bidi@RTL@everypar\@empty%
13552   \def\baselinestretch{\m@m@footnote@spacing}%
13553   \reset@font\LTRfoottextfont
13554   \@preamfntext
13555   \protected@edef\@currentlabel{%
13556     \csname p@footnote\endcsname\@thefnmark}%
13557   \setbox0=\vbox{\hsize=\maxdimen
13558     \color@begingroup
13559     \noindent \@paraLTRfootfmt{#1}%
13560   \color@endgroup}%
13561   \m@mungebox}\m@mmf@prepare}
13562 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
13563   \let\bidi@RTL@everypar\@empty%
13564   \def\baselinestretch{\m@m@footnote@spacing}%
13565   \reset@font\RTLfoottextfont
13566   \@preamfntext

```



```

13567 \protected@edef\@currentlabel{%
13568 \csname p@footnote\endcsname\@thefnmark}%
13569 \setbox0=\vbox{\hsize=\maxdimen
13570 \color@begingroup
13571 \noindent \@paraRTLfootfmt{#1}%
13572 \color@endgroup}%
13573 \m@mungebox}\m@mmf@prepare}
13574 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
13575 \parindent=\z@
13576 \parfillskip=0pt \@plus 1fil
13577 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
13578 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
13579 \parindent=\z@
13580 \parfillskip=0pt \@plus 1fil
13581 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
13582 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
13583 \parindent=\z@
13584 \parfillskip=0pt \@plus 1fil
13585 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
13586 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
13587 \global\setbox
13588 \if@RTL@footnote
13589 \@mpfootinsv@r
13590 \else
13591 \@mpfootinsv@l
13592 \fi
13593 \vbox{%
13594 \unvbox
13595 \if@RTL@footnote
13596 \@mpfootinsv@r
13597 \else
13598 \@mpfootinsv@l
13599 \fi
13600 \let\bidi@RTL@everypar\@empty
13601 \def\baselinestretch{\m@m@footnote@spacing}%
13602 \reset@font\foottextfont
13603 \hsize\columnwidth \@parboxrestore
13604 \protected@edef\@currentlabel{%
13605 \csname p@mpfootnote\endcsname\@thefnmark}%
13606 \setbox0=\vbox{\hsize=\maxdimen
13607 \color@begingroup
13608 \noindent \@parafootfmt{#1}%
13609 \color@endgroup}%
13610 \m@mungebox}\m@mmf@prepare}
13611 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
13612 \global\setbox\@mpfootinsv@l\vbox{%
13613 \unvbox\@mpfootinsv@l
13614 \let\bidi@RTL@everypar\@empty
13615 \def\baselinestretch{\m@m@footnote@spacing}%
13616 \reset@font\LTRfoottextfont
13617 \hsize\columnwidth \@parboxrestore
13618 \protected@edef\@currentlabel{%
13619 \csname p@mpfootnote\endcsname\@thefnmark}%
13620 \setbox0=\vbox{\hsize=\maxdimen

```



```

13621     \color@begingroup
13622     \noindent \@paraLTRfootfmt{#1}%
13623     \color@endgroup}%
13624     \m@mungebox}\m@mmf@prepare}
13625 \bidi@ensure@newcommand{\m@pparaRTLfootnotetext}[1]{%
13626   \global\setbox\@mpfootinsv@r\vbox{%
13627     \unvbox\@mpfootinsv@r
13628     \let\bidi@RTL@everypar\@empty
13629     \def\baselinestretch{\m@m@footnote@spacing}%
13630     \reset@font\RTLfoottextfont
13631     \hsize\columnwidth \@parboxrestore
13632     \protected@edef\@currentlabel{%
13633       \csname p@mpfootnote\endcsname\@thefnmark}%
13634     \setbox0=\vbox{\hsize=\maxdimen
13635       \color@begingroup
13636       \noindent \@paraRTLfootfmt{#1}%
13637       \color@endgroup}%
13638     \m@mungebox}\m@mmf@prepare}
13639 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
13640 \@namedef{@para@footgroup#1}{%
13641   \unvbox\@nameuse{footins#1}
13642   \@RTLtrue
13643   \m@mmakehboxofhboxes
13644   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
13645   \hsize\bidi@columnwidth
13646   \@parboxrestore
13647   \def\baselinestretch{\m@m@footnote@spacing}%
13648   \@nameuse{foottextfont#1}%
13649   \noindent\unhbox0\par}}
13650 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
13651 \@namedef{@para@LTRfootgroup#1}{%
13652   \unvbox\@nameuse{footins#1}
13653   \@RTLfalse
13654   \m@mmakehboxofhboxes
13655   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
13656   \hsize\bidi@columnwidth
13657   \@parboxrestore
13658   \def\baselinestretch{\m@m@footnote@spacing}%
13659   \@nameuse{foottextfont#1}%
13660   \noindent\unhbox0\par}}
13661 \newcommand{\bidi@removexparafootskip}{%
13662   \advance\@tempkipa -\bidi@paraskip
13663   \edef\bidi@footskip{\vskip\the\@tempkipa\relax}%
13664 }
13665 \let\bidi@removexfootskip\relax
13666 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
13667 \@namedef{@mppara@footgroup#1}{%
13668   \unvbox\@nameuse{@mpfootins#1}
13669   \@RTLtrue
13670   \m@mmakehboxofhboxes
13671   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
13672   \def\baselinestretch{\m@m@footnote@spacing}%
13673   \@nameuse{foottextfont#1}%
13674   \noindent\unhbox0\par}}

```



```

13675 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
13676 \@namedef{@mppara@LTRfootgroup#1}{%
13677   \unvbox\@nameuse{@mpfootins#1}
13678   \@RTLfalse
13679   \@mmakehboxofhboxes
13680   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
13681   \def\baselinestretch{\m@m@footnote@spacing}%
13682   \@nameuse{foottextfont#1}%
13683   \noindent\unhbox0\par}}
13684 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
13685 \@namedef{@para@footstart#1}{%
13686   \leftskip=\z@
13687   \rightskip=\z@
13688   \parindent=\z@
13689   }%
13690 }
13691 \bidi@ensure@newcommand*\m@m@makecolfloats}{%
13692   \xdef\@freelist{\@freelist\@midlist}%
13693   \global\let\@midlist\@empty
13694   \@combinefloats}
13695 \bidi@ensure@newcommand*\m@m@makecoltext}{%
13696   \ifvbox\@kludgeins
13697     \@makespecialcolbox
13698   \else
13699     \setbox\@outputbox \vbox to\@colht{%
13700       \@texttop
13701       \dimen@ \dp\@outputbox
13702       \unvbox \@outputbox
13703       \vskip -\dimen@
13704       \@textbottom}%
13705   \fi}
13706 \bidi@ensure@newcommand*\m@m@makecolintro}{%}
13707 \bidi@ensure@newcommand*\m@mopfootnote}{\setbox\@outputbox \vbox{%
13708   \boxmaxdepth\@maxdepth
13709   \@tempdima\dp\@cclv
13710   \unvbox\@cclv
13711   \vskip-\@tempdima
13712   \bidi@mopfn@bottom
13713   \vskip \skip\footins
13714   \color@begingroup
13715     \normalcolor
13716     \footnoterule
13717     \unvbox \footins
13718   \color@endgroup
13719   }%
13720 }
13721 \newcommand*\bidi@mopfootnotebf}{%
13722   \setbox\@outputbox \vbox{%
13723     \boxmaxdepth\@maxdepth
13724     \unvbox\@outputbox
13725     \bidi@mopfn@bottom
13726     \vskip\skip\footins
13727     \color@begingroup
13728     \normalcolor

```




```

13729 \footnoterule
13730 \unvbox \footins
13731 \color@endgroup
13732 }%
13733 }
13734 \gdef\mem@makecol{%
13735 \m@m@makecolintro
13736 \m@mdoextrafeet
13737 \ifvoid\footins
13738 \setbox\@outputbox \box\@cclv
13739 \else
13740 \m@mopfootnote
13741 \fi
13742 \m@m@makecolfloats
13743 \m@m@makecoltext
13744 \global \maxdepth \@maxdepth}
13745 \gdef\bidi@makecolbf{%
13746 \m@m@makecolintro
13747 \m@mdoextrafeet
13748 \setbox\@outputbox \box\@cclv
13749 \m@m@makecolfloats
13750 \ifvoid\footins
13751 \else
13752 \bidi@mopfootnotebf
13753 \fi
13754 \m@m@makecoltext
13755 \global \maxdepth \@maxdepth}
13756 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
13757 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
13758 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
13759 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
13760 \FeetAboveFloat
13761 \FeetBelowRagged
13762 \def\bidi@reinserts#1{\ifvoid#1\else
13763 \ifnum\count\@currbox>\z@
13764 \advance\@pageht \ht#1%
13765 \advance\@pageht \skip#1%
13766 \advance\@pageht \dp#1%
13767 \fi
13768 \insert#1{\unvbox#1}%
13769 \fi
13770 }
13771 \def\bidi@init@multi@footins#1{%
13772 \multiply\count#1\col@number
13773 \multiply\skip#1\col@number
13774 }
13775 \def\bidi@reinsert@footnotes#1{\ifvoid#1\else
13776 \insert#1{}\fi}
13777 \AtBeginDocument{%
13778 \bidi@preto\@doclearpage\m@mdoextrafeet
13779 \g@addto@macro\@reinserts{%
13780 \bidi@reinserts\footinsv@
13781 \bidi@reinserts\footinsv@l
13782 }

```



```

13783 \bidi@floathook
13784 \g@addto@macro\@floatplacement{%
13785   \bidi@ifmulticol}{\bidi@floathook}%
13786 }%
13787 \if@bidi@csundef{multi@column@out}{%
13788   \@onlypreamble\bidi@init@multi@footins
13789   \let\bidi@ifmulticol\@secondoftwo
13790 }{%
13791   \bidi@preto\multi@column@out\m@doextrafeet
13792   \g@addto@macro\init@mult@footins{%
13793     \bidi@init@multi@footins\footinsv@r
13794     \bidi@init@multi@footins\footinsv@l
13795   }%
13796   \g@addto@macro\reinsert@footnotes{%
13797     \bidi@reinsert@footnotes\footinsv@r
13798     \bidi@reinsert@footnotes\footinsv@l
13799   }%
13800 }%
13801 }

```

87 File extreport-xetex-bidi.def

```

13802 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport clas
13803 \renewcommand*\l@part[2]{%
13804   \ifnum \c@tocdepth >-2\relax
13805     \addpenalty{-\@highpenalty}%
13806     \advspace{2.25em \@plus\p@}%
13807     \begingroup
13808       \setlength\@tempdima{3em}%
13809       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13810       \parfillskip -\@pnumwidth
13811       {\leavevmode
13812         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13813         \nobreak
13814         \global\@nobreaktrue
13815         \everypar{\global\@nobreakfalse\everypar{}}%
13816       \endgroup
13817     \fi}
13818 \renewcommand*\l@chapter[2]{%
13819   \ifnum \c@tocdepth >\m@ne
13820     \addpenalty{-\@highpenalty}%
13821     \vskip 1.0em \@plus\p@
13822     \setlength\@tempdima{1.5em}%
13823     \begingroup
13824       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13825       \parfillskip -\@pnumwidth
13826       \leavevmode \bfseries
13827       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13828       \hskip -\if@RTL\rightskip\else\leftskip\fi
13829       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13830       \penalty\@highpenalty
13831     \endgroup
13832     \fi}
13833 \def\@makechapterhead#1{%

```



```

13834 \vspace*{50\p@}%
13835 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
13836 \ifnum \c@secnumdepth >\m@ne
13837 \huge\bfseries \@chapapp\space \thechapter
13838 \par\nobreak
13839 \vskip 20\p@
13840 \fi
13841 \interlinepenalty\@M
13842 \Huge \bfseries #1\par\nobreak
13843 \vskip 40\p@
13844 }}
13845 \def\@makeschapterhead#1{%
13846 \vspace*{50\p@}%
13847 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
13848 \normalfont
13849 \interlinepenalty\@M
13850 \Huge \bfseries #1\par\nobreak
13851 \vskip 40\p@
13852 }}
13853 \renewcommand\left@footnoterule{%
13854 \kern-3\p@
13855 \hrule\@width.4\columnwidth
13856 \kern2.6\p@}
13857 \renewcommand\right@footnoterule{%
13858 \kern-3\p@
13859 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13860 \kern2.6\p@}
13861 \renewenvironment{thebibliography}[1]
13862 {\chapter*{\bibname
13863 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
13864 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13865 \bidi@thebibliography@font@hook%
13866 \list{\@biblabel{\@arabic\c@enumiv}}%
13867 {\settowidth\labelwidth{\@biblabel{#1}}%
13868 \leftmargin\labelwidth
13869 \advance\leftmargin\labelsep
13870 \@openbib@code
13871 \usecounter{enumiv}%
13872 \let\p@enumiv\@empty
13873 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
13874 \sloppy\clubpenalty4000\widowpenalty4000%
13875 \sfcode`..\@m}
13876 {\def\@noitemerr
13877 {\@latex@warning{Empty `thebibliography' environment}}%
13878 \endlist}
13879 \if@titlepage
13880 \renewcommand\maketitle{\begin{titlepage}%
13881 \let\footnotesize\small
13882 \let\right@footnoterule\relax
13883 \let\left@footnoterule\relax
13884 \let\textwidth@footnoterule\relax
13885 \let \footnote \thanks
13886 \null\vfil
13887 \vskip 60\p@

```



```

13888 \begin{center}%
13889   {\LARGE \@title \par}%
13890   \vskip 3em%
13891   {\large
13892     \lineskip .75em%
13893     \begin{tabular}[t]{c}%
13894       \@author
13895     \end{tabular}\par}%
13896     \vskip 1.5em%
13897     {\large \@date \par}%           % Set date in \large size.
13898 \end{center}\par
13899 \@thanks
13900 \vfil\null
13901 \end{titlepage}%
13902 \setcounter{footnote}{0}%
13903 \global\let\thanks\relax
13904 \global\let\maketitle\relax
13905 \global\let\@thanks\@empty
13906 \global\let\@author\@empty
13907 \global\let\@date\@empty
13908 \global\let\@title\@empty
13909 \global\let\title\relax
13910 \global\let\author\relax
13911 \global\let\date\relax
13912 \global\let\and\relax
13913 }
13914 \else
13915 \renewcommand\maketitle{\par
13916   \begingroup
13917     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13918     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13919     \long\def\@makefntext##1{\parindent 1em\noindent
13920       \hb@xt@1.8em{%
13921         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
13922     \if@twocolumn
13923       \ifnum \col@number=\@one
13924         \@maketitle
13925       \else
13926         \twocolumn[\@maketitle]%
13927       \fi
13928     \else
13929       \newpage
13930       \global\@topnum\z@   % Prevents figures from going at top of page.
13931       \@maketitle
13932     \fi
13933     \thispagestyle{plain}\@thanks
13934   \endgroup
13935   \setcounter{footnote}{0}%
13936   \global\let\thanks\relax
13937   \global\let\maketitle\relax
13938   \global\let\@maketitle\relax
13939   \global\let\@thanks\@empty
13940   \global\let\@author\@empty
13941   \global\let\@date\@empty

```



```

13942 \global\let\@title\@empty
13943 \global\let\title\relax
13944 \global\let\author\relax
13945 \global\let\date\relax
13946 \global\let\and\relax
13947 }
13948 \def\@maketitle{%
13949 \newpage
13950 \null
13951 \vskip 2em%
13952 \begin{center}%
13953 \let \footnote \thanks
13954 {\LARGE \@title \par}%
13955 \vskip 1.5em%
13956 {\large
13957 \lineskip .5em%
13958 \begin{tabular}[t]{c}%
13959 \@author
13960 \end{tabular}\par}%
13961 \vskip 1em%
13962 {\large \@date}%
13963 \end{center}%
13964 \par
13965 \vskip 1.5em}
13966 \fi
13967 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
13968 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
13969 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\csubsubsection}
13970 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\cparagraph}
13971 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
13972 \renewcommand\theequation{%
13973 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@equation}
13974 \renewcommand\thefigure{%
13975 \ifnum \c@chapter>z@\thechapter\@SepMark\fi \@arabic\c@figure}
13976 \renewcommand\thetable{%
13977 \ifnum \c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@table}

```

88 File fancybox-xetex-bidi.def

```

13978 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
13979 \def\fancy@oval#1#2#3{%
13980 \boxmaxdepth \maxdimen
13981 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
13982 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
13983 \@ovxx#1\relax
13984 \advance\@ovxx-\@wholewidth
13985 \@ovyy#2\relax
13986 \advance\@ovyy-\@wholewidth
13987 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
13988 \advance\@tempdimb-2\p@
13989 \ifdim\@tempdimb>\the@cornersize\relax
13990 \@tempdimb=\the@cornersize
13991 \fi
13992 \@getcirc\@tempdimb

```



```

13993 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
13994 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
13995 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
13996 \@circleft
13997 \setbox\@tempboxa\hbox{\beginL%
13998 \if@ovr \@ovvert32\kern -\@tempdima \fi
13999 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
14000 \if@ovt \@ovhorz \kern -\@ovxx \fi
14001 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
14002 \advance\@ovdx\@ovro
14003 \advance\@ovdy\@ovro
14004 \advance\@ovxx\@wholewidth
14005 \wd\@tempboxa=\@ovxx
14006 \dp\@tempboxa=\z@}

```

89 File fancyhdr-xetex-bidi.def

```

14007 \ProvidesFile{fancyhdr-xetex-bidi.def}[2025/09/03 v1.0 bidi adaptations for fancyhdr package]
14008
14009 \let\f@nch@everypar\everypar
14010
14011 \def\f@nch@parbox@align@hl{\def\f@nch@align@h{\bidi@raggedright}}
14012 \def\f@nch@parbox@align@hr{\def\f@nch@align@h{\bidi@raggedleft}}
14013

```

90 File fix2col-xetex-bidi.def

```

14014 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
14015 \def\RTL@outputdblcol{%
14016 \if@firstcolumn
14017 \global\@firstcolumnfalse
14018 \global\setbox\@leftcolumn\copy\@outputbox
14019 \splitmaxdepth\maxdimen
14020 \vbadness\maxdimen
14021 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14022 \toks@\expandafter{\topmark}%
14023 \xdef\@firstcoltopmark{\the\toks@}%
14024 \toks@\expandafter{\splitfirstmark}%
14025 \xdef\@firstcolfirstmark{\the\toks@}%
14026 \ifx\@firstcolfirstmark\@empty
14027 \global\let\@setmarks\relax
14028 \else
14029 \gdef\@setmarks{%
14030 \let\firstmark\@firstcolfirstmark
14031 \let\topmark\@firstcoltopmark}%
14032 \fi
14033 \else \global\@firstcolumntrue
14034 \setbox\@outputbox \vbox {\hbox to\textwidth {%
14035 \hskip \columnwidth
14036 \hfil \vrule width\columnseprule \hfil
14037 \hbox to\columnwidth {%
14038 \bidi@firstcolumn@status@write%
14039 \box\@leftcolumn \hss}%
14040 \hskip -\textwidth

```



```

14041 \hbox to\columnwidth{%
14042 \bidi@lastcolumn@status@write%
14043 \box\@outputbox \hss}%
14044 \hskip \columnsep
14045 \hskip \columnwidth }}%
14046 \@combinedblfloats \@setmarks \@outputpage
14047 \begingroup \@dblfloatplacement \@startdblcolumn
14048 \@whilesw@if@fcolmade \fi
14049 {\@outputpage \@startdblcolumn }\endgroup
14050 \fi}
14051 \def\LTR@outputdblcol{%
14052   \if@firstcolumn
14053     \global\@firstcolumnfalse
14054     \global\setbox\@leftcolumn\copy\@outputbox
14055     \splitmaxdepth\maxdimen
14056     \vbadness\maxdimen
14057     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14058     \toks@\expandafter{\topmark}%
14059     \xdef\@firstcoltopmark{\the\toks@}%
14060     \toks@\expandafter{\splitfirstmark}%
14061     \xdef\@firstcolfirstmark{\the\toks@}%
14062     \ifx\@firstcolfirstmark\@empty
14063       \global\let\@setmarks\relax
14064     \else
14065       \gdef\@setmarks{%
14066         \let\firstmark\@firstcolfirstmark
14067         \let\topmark\@firstcoltopmark}%
14068     \fi
14069   \else
14070     \global\@firstcolumntrue
14071     \setbox\@outputbox\vbox{%
14072       \hb@xt@\textwidth{%
14073         \hb@xt@\columnwidth{%
14074           \bidi@firstcolumn@status@write%
14075           \box\@leftcolumn \hss}%
14076         \hfil
14077         \vrule \@width\columnseprule
14078         \hfil
14079         \hb@xt@\columnwidth{%
14080           \bidi@lastcolumn@status@write%
14081           \box\@outputbox \hss}}}%
14082   \@combinedblfloats
14083   \@setmarks
14084   \@outputpage
14085   \begingroup
14086     \@dblfloatplacement
14087     \@startdblcolumn
14088     \@whilesw@if@fcolmade \fi{\@outputpage\@startdblcolumn}%
14089   \endgroup
14090 \fi}

```

91 File fleqn-xetex-bidi.def

14091 \ProvidesFile{fleqn-xetex-bidi.def}[2024/12/07 v0.2 bidi adaptations for fleqn tag for XeTeX]



```

14092 \DeclareRobustCommand\[{ \relax
14093         \ifmode \@badmath
14094         \else
14095         \begin{trivlist}%
14096         \beginparpenalty\predisplaypenalty
14097         \endparpenalty\postdisplaypenalty
14098         \item[]\leavevmode
14099         \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
14100         \hskip\mathindent\bgroup
14101         \fi}
14102 \DeclareRobustCommand\] { \relax
14103         \ifmode
14104         \egroup $\hfil% $
14105         \endL\egroup
14106         \end{trivlist}%
14107         \else \@badmath
14108         \fi}
14109 \renewenvironment{equation}%
14110   {\beginparpenalty\predisplaypenalty
14111   \endparpenalty\postdisplaypenalty
14112   \refstepcounter{equation}%
14113   \trivlist \item[]\leavevmode
14114   \hb@xt@\linewidth\bgroup\beginL $ \m@th% $
14115   \displaystyle
14116   \hskip\mathindent}%
14117   {$\hfil % $
14118   \displaywidth\linewidth\hbox{\@eqnnum}%
14119   \endL\egroup
14120   \endtrivlist}

```

92 File float-xetex-bidi.def

```

14121 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for
14122 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
14123 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
14124 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
14125 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
14126 \expandafter\edef\csname the#1\endcsname{%
14127 \expandafter\noexpand\csname
14128 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
14129 {\PackageWarning{float}{Can't redefine counter variable for #1.}}

```

93 File floatrow-xetex-bidi.def

```

14130 \ProvidesFile{floatrow-xetex-bidi.def}[2025/01/03 v0.2 bidi adaptations for floatrow packag
14131 \RequirePackage{color}
14132 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
14133 \expandafter\edef\csname the\FB@captype\endcsname{%
14134 \expandafter\noexpand\csname
14135 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}%

```

94 File flowfram-xetex-bidi.def

```

14136 \ProvidesFile{flowfram-xetex-bidi.def}[2025/01/03 v0.6 bidi adaptations for flowfram packag

```




```

14137 \def\@outputdblcol{%
14138 \c@nextcol=\c@thisframe
14139 \c@curpg=\c@page
14140 \g@tnextcol{\c@nextcol}%
14141 \if@ff@nwp % next flow frame starts on new page
14142 \global\@firstcolumntrue
14143 \setcolbox\c@thisframe
14144 \if@specialpage
14145 \global\@specialpagefalse
14146 \@nameuse{ps@\@specialstyle}\relax
14147 \fi
14148 \if@twoside
14149 \ifodd\count\z@
14150 \let\@thehead\@oddhead
14151 \let\@thefoot\@oddfoot
14152 \else
14153 \let\@thehead\@evenhead
14154 \let\@thefoot\@evenfoot
14155 \fi
14156 \else
14157 \let\@thehead\@oddhead
14158 \let\@thefoot\@oddfoot
14159 \fi
14160 \@begindvi
14161 \@dodynamicthehead\@dodynamicthefoot
14162 \vbadness=\@M
14163 \setbox\@outputbox\vbox{\hbox to \textwidth{\ff@do@allframes}}%
14164 \@combinedblfloats
14165 \@outputpage
14166 \advance\c@curpg by -\c@page\relax
14167 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
14168 \setbox\@outputbox\vbox{\hbox to \textwidth{\ff@do@allframes}}%
14169 \@outputpage}
14170 \begingroup
14171 \dblfloatplacement
14172 \startdblcolumn
14173 \@whilesw \if@colmade \fi
14174 {\@outputpage \startdblcolumn }\endgroup
14175 \@resetst@tics
14176 \@resetdyn@tics
14177 \else % still on same page, save contents of box255
14178 \global\@firstcolumnfalse
14179 \setcolbox\c@thisframe
14180 \fi
14181 \global\c@thisframe=\c@nextcol
14182 \@setcol{\c@thisframe}\relax
14183 \global\colht\vsiz
14184 }
14185 \def\@outputpage{%
14186 \begingroup
14187 \let\protect\noexpand
14188 \@resetactivechars
14189 \global\let\@if@newlist\if@newlist
14190 \global\@newlistfalse\@parboxrestore

```



```

14191 \global\let\bidibeforeoutputpageshipout\@firstofone
14192 \bidibeforeoutputpageshipouthook
14193 \shipout\vbox{\set@typeset@protect
14194 \aftergroup
14195 \endgroup
14196 \aftergroup
14197 \set@typeset@protect
14198 \reset@font\normalsize
14199 \bidi@font@@outputpage
14200 \normalsfcodes
14201 \let\label@gobble
14202 \let\index@gobble
14203 \let\glossary@gobble
14204 \baselineskip\z@skip
14205 \lineskip\z@skip
14206 \lineskiplimit\z@
14207 \vskip\topmargin\moveright\@themargin
14208 \vbox{%
14209 \global\let\bidibeforeheader\@firstofone
14210 \bidibeforeheaderhook
14211 \vskip\headheight
14212 \vskip\headsep
14213 \global\let\bidibeforeoutputboxoutputpage\@firstofone
14214 \bidibeforeoutputboxoutputpagehook
14215 \box\@outputbox
14216 \global\let\bidiafteroutputboxoutputpage\@firstofone
14217 \bidiafteroutputboxoutputpagehook
14218 }}%
14219 \global\let\bidiafteroutputpageshipout\@firstofone
14220 \bidiafteroutputpageshipouthook
14221 \global\let\ifnewlist\@ifnewlist
14222 \stepcounter{page}%
14223 \setcounter{displayedframe}{0}%
14224 \let\firstmark\botmark
14225 \global\let\bidiatendoutputpage\@firstofone
14226 \bidiatendoutputpagehook
14227 }
14228
14229
14230 \newcommand*\bidis@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\%
14231 \expandafter\bidicolor\ff@txtcol}}
14232
14233 \newcommand{\bidiff@box}[3]{\@ffbackground{\vbox to#2
14234 {\hb@xt@ #1{\hss{\bidis@tfftextcol #3}\hss}\vss\kern\z@}}}}
14235
14236
14237 \renewcommand*\@docolbox}[1]{%
14238 \edef\ff@frametype{%
14239 \csname @ff@frametype@romannumeral#1\endcsname}%
14240 \edef\ff@col{\csname @ff@col@romannumeral#1\endcsname}%
14241 \edef\ff@txtcol{\csname @ff@txtcol@romannumeral#1\endcsname}%
14242 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
14243 \@ff@setoffset{#1}%
14244 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%

```



```

14245 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
14246 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
14247 {\csname colheight\romannumeral#1\endcsname}{%
14248 \expandafter\box\csname column\romannumeral#1\endcsname}{%
14249 \csname\ff@frametype\endcsname}%
14250 }{%
14251 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
14252 {\csname colheight\romannumeral#1\endcsname}{%
14253 \expandafter\box\csname column\romannumeral#1\endcsname}%
14254 }}}
14255 \IfClassLoadedT{book}{%
14256 \renewcommand\theequation
14257   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14258 \renewcommand \thefigure
14259   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
14260 \renewcommand \thetable
14261   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
14262 \renewcommand \thechapter {\@arabic\c@chapter}
14263 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
14264 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
14265 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
14266 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
14267 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}
14268 \IfClassLoadedT{report}{%
14269 \renewcommand\theequation
14270   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14271 \renewcommand \thefigure
14272   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
14273 \renewcommand \thetable
14274   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
14275 \renewcommand \thechapter {\@arabic\c@chapter}
14276 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
14277 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
14278 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
14279 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
14280 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}
14281 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
14282 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}
14283 \else
14284 #2\relax
14285 \fi}

```

95 File fnpct-xetex-bidi.def

```

14286 \ProvidesFile{fnpct-xetex-bidi.def}[2025/09/12 v0.2 bidi adaptations for fnpct package for
14287 \ExplSyntaxOn
14288   \@ifclassloaded{beamer}
14289   {
14290     \AdaptNote \footnote{d< >o+m} [\beamer@mpfn]
14291     {
14292       \IfNoValueTF{#1}
14293       {\IfNoValueTF{#2}{#NOTE{#3}}{#NOTE{#2}{#3}}}
14294       {\IfNoValueTF{#2}{#NOTE<#1>{#3}}{#NOTE<#1>{#2}{#3}}}
14295     }

```



```

14296     \AdaptNote \RTLfootnote{d<>o+m} [\beamer@mpfn]
14297     {
14298         \IfNoValueTF{#1}
14299             {\IfNoValueTF{#2}{#NOTE{#3}}{#NOTE[#2]{#3}}}
14300             {\IfNoValueTF{#2}{#NOTE<#1>{#3}}{#NOTE<#1>[#2]{#3}}}
14301     }
14302     \AdaptNote \LTRfootnote{d<>o+m} [\beamer@mpfn]
14303     {
14304         \IfNoValueTF{#1}
14305             {\IfNoValueTF{#2}{#NOTE{#3}}{#NOTE[#2]{#3}}}
14306             {\IfNoValueTF{#2}{#NOTE<#1>{#3}}{#NOTE<#1>[#2]{#3}}}
14307     }
14308 }
14309 {
14310     \AdaptNote \RTLfootnote {o+m} [\@mpfn]
14311     { \IfNoValueTF {#1} {#NOTE{#2}} {#NOTE[#1]{#2}} }
14312     \AdaptNote \LTRfootnote {o+m} [\@mpfn]
14313     { \IfNoValueTF {#1} {#NOTE{#2}} {#NOTE[#1]{#2}} }
14314 }
14315 \ExplSyntaxOff

```

96 File footnote-xetex-bidi.def

```

14316 \ProvidesFile{footnote-xetex-bidi.def}[2024/12/14 v1.3 bidi footnote macros for XeTeX engine]
14317 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
14318 \newif\ifbidi@autofooterule
14319 \def\bidi@mpfootnoterule{\footnoterule}
14320 \newcounter{footdir@label}
14321 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
14322 \newcommand*{\footdir@write}{%
14323   \stepcounter{footdir@label}%
14324   \zref@labelbyprops{\thefootdir@label}{abspage}%
14325 }
14326 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
14327 \newtoks\footdir@toks
14328 \newcommand*{\footdir@debug}[1]{%
14329   \iffootdir@debug
14330     \typeout{[footdir] #1}%
14331   \fi
14332 }
14333 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
14334 %  \newcommand*{\footdir@LeftRightElse}{%
14335 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
14336 %      \footdir@debug{abspage \the\value{zabspage}: else}%
14337 %      \ltx@thirdofthree
14338 %    }{%
14339 %      \if\csname footdir@the\value{zabspage}\endcsname L%
14340 %        \footdir@debug{abspage \the\value{zabspage}: left}%
14341 %        \expandafter\ltx@firstofthree
14342 %      \else
14343 %        \footdir@debug{abspage \the\value{zabspage}: right}%
14344 %        \expandafter\ltx@secondofthree
14345 %      \fi
14346 %    }%

```



```

14347 % }%
14348 %}{-%
14349 \providecommand*{\c@zabspage}{\c@abspage}%
14350 \newcommand*{\footdir@LeftRightElse}{%
14351   \footdir@write
14352   \zifrefundefined{\thefootdir@label}{%
14353     \footdir@debug{abspage ??: else}%
14354     \ltx@thirdofthree
14355   }{%
14356     \edef\footdir@abspage{%
14357       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
14358     }%
14359     \ltx@ifundefined{footdir@\footdir@abspage}{%
14360       \footdir@debug{\footdir@abspage: else}%
14361       \ltx@thirdofthree
14362     }{%
14363       \if\csname footdir@\footdir@abspage\endcsname L%
14364         \footdir@debug{\footdir@abspage: left}%
14365         \expandafter\ltx@firstofthree
14366       \else
14367         \footdir@debug{\footdir@abspage: right}%
14368         \expandafter\ltx@secondofthree
14369       \fi
14370     }%
14371   }%
14372 }%
14373 %}
14374 \newcommand*{\footdir@fntext}[1]{%
14375   \zifrefundefined{\thefootdir@label}{%
14376   }{%
14377     \edef\footdir@name{%
14378       footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
14379     }%
14380     \@ifundefined{\footdir@name}{%
14381       \expandafter\gdef\csname\footdir@name\endcsname{#1}%
14382     }{}%
14383   }%
14384 }
14385
14386 \newcommand*{\footdir@temp}[3]{%
14387   \@ifdefinable{#1}{%
14388     \let#1#2%
14389     \renewcommand{#2}[1]{%
14390       \footdir@write
14391       \footdir@fntext{#3}%
14392       \stepcounter{footdir@label}%
14393       \footdir@fntext{#3}%
14394       \footdir@toks{##1}%
14395       \footdir@toks\expandafter{%
14396         \the\expandafter\footdir@toks
14397       \expandafter
14398       \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
14399     }%
14400     \expandafter#1\expandafter{\the\footdir@toks}%

```



```

14401 }%
14402 }%
14403 }
14404
14405 \def\right@footnoterule{%
14406 \kern-3\p@
14407 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14408 \kern2.6\p@}
14409 \def\left@footnoterule{\kern-3\p@
14410 \hrule \@width .4\columnwidth \kern 2.6\p@}
14411 \def\textwidth@footnoterule{\kern-3\p@
14412 \hrule \@width \columnwidth \kern 2.6\p@}
14413 \def\leftfootnoterule{%
14414 \bidi@autofootnoterulefalse%
14415 \def\footnoterule{\left@footnoterule}}
14416 \let\LRfootnoterule=\leftfootnoterule
14417 \def\rightfootnoterule{%
14418 \bidi@autofootnoterulefalse%
14419 \def\footnoterule{\right@footnoterule}}
14420 \def\textwidthfootnoterule{%
14421 \bidi@autofootnoterulefalse%
14422 \def\footnoterule{\textwidth@footnoterule}}
14423
14424
14425
14426 \def\auto@footnoterule{%
14427 \footdir@LeftRightElse%
14428 \left@footnoterule%
14429 \right@footnoterule%
14430 \left@footnoterule%
14431 }
14432
14433
14434
14435 \def\autofootnoterule{%
14436 \bidi@autofootnoteruletrue%
14437 \def\footnoterule{\auto@footnoterule}%
14438 }
14439
14440 \newcommand*\SplitFootnoteRule{%
14441 \gdef\split@prev{0}
14442 \let\pagefootnoterule\footnoterule
14443 \let\mpfootnoterule\footnoterule
14444 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
14445 \def\footnoterule{\relax
14446 \ifx \@listdepth\@mplistdepth
14447 \mpfootnoterule
14448 \else
14449 \ifnum\split@prev=\z@
14450 \pagefootnoterule
14451 \else
14452 \splitfootnoterule
14453 \fi
14454 \xdef\split@prev{\the\insertpenalties}}%

```



```

14455     \fi
14456   }%
14457 }
14458
14459
14460
14461
14462 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
14463   \protected@xdef\@thefnmark{\thempfn}%
14464   \@footnotemark\@RTLfootnotetext}}
14465 \def\@xRTLfootnote[#1]{%
14466   \begingroup
14467     \csname c@\@mpfn\endcsname #1\relax
14468     \unrestored@protected@xdef\@thefnmark{\thempfn}%
14469   \endgroup
14470   \@footnotemark\@RTLfootnotetext}
14471 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
14472   \protected@xdef\@thefnmark{\thempfn}%
14473   \@footnotemark\@LTRfootnotetext}}
14474 \def\@xLTRfootnote[#1]{%
14475   \begingroup
14476     \csname c@\@mpfn\endcsname #1\relax
14477     \unrestored@protected@xdef\@thefnmark{\thempfn}%
14478   \endgroup
14479   \@footnotemark\@LTRfootnotetext}
14480
14481
14482 \def\setfootnoteRL{\@RTL@footnotetrue}
14483 \def\unsetfootnoteRL{\@RTL@footnotefalse}
14484 \def\setfootnoteLR{\unsetfootnoteRL}
14485
14486 \newcommand*\bidi@footnotetext@font{\footnotesize}
14487 \newcommand*\bidi@LTRfootnotetext@font{\footnotesize}
14488 \newcommand*\bidi@RTLfootnotetext@font{\footnotesize}
14489
14490 \long\def\@footnotetext#1{\insert\footins{%
14491   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14492   \reset@font%
14493   \bidi@footnotetext@font% \reset@font\footnotesize
14494   \interlinepenalty\interfootnotelinepenalty
14495   \splittopskip\footnotesep
14496   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
14497   \hsize\columnwidth \@parboxrestore
14498   \protected@edef\@currentlabel{%
14499     \csname p@footnote\endcsname\@thefnmark
14500   }%
14501   \color@begingroup
14502     \@makefntext{%
14503       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14504   \color@endgroup}}%
14505
14506
14507 \long\def\@RTLfootnotetext#1{\insert\footins{%
14508   \@RTLtrue%

```



```

14509 \reset@font%
14510 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
14511 \interlinepenalty\interfootnotelinepenalty
14512 \splittopskip\footnotesep
14513 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
14514 \hsize\columnwidth \@parboxrestore
14515 \protected@edef\@currentlabel{%
14516   \csname p@footnote\endcsname\@thefnmark
14517 }%
14518 \color@begingroup
14519   \makefntext{%
14520     \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14521   \color@endgroup}}%
14522
14523 \long\def\@LTRfootnotetext#1{\insert\footins{%
14524   \RTLfalse%
14525   \reset@font%
14526   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
14527   \interlinepenalty\interfootnotelinepenalty
14528   \splittopskip\footnotesep
14529   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
14530   \hsize\columnwidth \@parboxrestore
14531   \protected@edef\@currentlabel{%
14532     \csname p@footnote\endcsname\@thefnmark
14533   }%
14534   \color@begingroup
14535     \makefntext{%
14536       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14537     \color@endgroup}}%
14538
14539 \AtBeginDocument{%
14540 \ifRTL@footnote
14541   \newcommand*\bidi@footdir@footnote}{R}
14542 \else
14543   \newcommand*\bidi@footdir@footnote}{L}
14544 \fi%
14545 }
14546
14547 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
14548 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
14549 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
14550
14551 \long\def\@mpRTLfootnotetext#1{%
14552   \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@fo
14553   \global\setbox\@mpfootins\vbox{%
14554     \unvbox\@mpfootins
14555     \RTLtrue
14556     \reset@font%
14557     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
14558     \hsize\columnwidth
14559     \@parboxrestore
14560     \protected@edef\@currentlabel
14561       {\csname p@mpfootnote\endcsname\@thefnmark}%
14562     \color@begingroup

```




```

14563     \@makefnstext{%
14564         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14565     \color@endgroup}}
14566 \long\def\@mpLTrfootnotetext#1{%
14567 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
14568 \global\setbox\@mpfootins\vbox{%
14569     \unvbox\@mpfootins
14570     \@RTLfalse
14571     \reset@font%
14572     \bidi@LTrfootnotetext@font% \reset@font\footnotesize
14573     \hsize\columnwidth
14574     \@parboxrestore
14575     \protected@edef\@currentlabel
14576         {\csname p@mpfootnote\endcsname\@thefnmark}%
14577     \color@begingroup
14578     \@makefnstext{%
14579         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14580     \color@endgroup}}
14581 \long\def\@mpfootnotetext#1{%
14582 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnot
14583 \global\setbox\@mpfootins\vbox{%
14584     \unvbox\@mpfootins
14585     \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
14586     \reset@font%
14587     \bidi@footnotetext@font% \reset@font\footnotesize
14588     \hsize\columnwidth
14589     \@parboxrestore
14590     \protected@edef\@currentlabel
14591         {\csname p@mpfootnote\endcsname\@thefnmark}%
14592     \color@begingroup
14593     \@makefnstext{%
14594         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14595     \color@endgroup}}
14596 \def\@iiiminipage#1#2[#3]#4{%
14597     \leavevmode
14598     \@pboxswfalse
14599     \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
14600     \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
14601     \setlength\@tempdima{#4}%
14602     \def\@mpargs{#1}#2[#3]#4}%
14603     \setbox\@tempboxa\vbox\bgroup
14604     \color@begingroup
14605         \hsize\@tempdima
14606         \textwidth\hsize \columnwidth\hsize
14607         \@parboxrestore
14608         \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
14609         \let\@footnotetext\@mpfootnotetext
14610         \let\@LTrfootnotetext\@mpLTrfootnotetext
14611         \let\@RTLfootnotetext\@mpRTLfootnotetext
14612         \let\@listdepth\@mplistdepth \@mplistdepth\z@
14613         \@minipagerestore
14614         \@setminipage}
14615 \def\endminipage{%
14616     \par

```



```

14617 \unskip
14618 \ifvoid\@mpfootins\else
14619   \vskip\skip\@mpfootins
14620   \normalcolor
14621   \bidi@mpfootnoterule
14622   \unvbox\@mpfootins
14623 \fi
14624 \@minipagefalse %% added 24 May 89
14625 \color@endgroup
14626 \egroup
14627 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}
14628 \def\LTRthanks#1{\footnotemark
14629   \protected@xdef\@thanks{\@thanks
14630     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
14631 }
14632 \def\LTRfootnotetext{%
14633   \@ifnextchar [\@xLTRfootnotenext
14634     {\protected@xdef\@thefnmark{\thempfn}%
14635     \@LTRfootnotetext}}
14636 \def\@xLTRfootnotenext[#1]{%
14637   \begingroup
14638     \csname c@\mpfn\endcsname #1\relax
14639     \unrestored@protected@xdef\@thefnmark{\thempfn}%
14640   \endgroup
14641   \@LTRfootnotetext}
14642 \def\RTLthanks#1{\footnotemark
14643   \protected@xdef\@thanks{\@thanks
14644     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
14645 }
14646 \let\@thanks\@empty
14647 \def\RTLfootnotetext{%
14648   \@ifnextchar [\@xRTLfootnotenext
14649     {\protected@xdef\@thefnmark{\thempfn}%
14650     \@RTLfootnotetext}}
14651 \def\@xRTLfootnotenext[#1]{%
14652   \begingroup
14653     \csname c@\mpfn\endcsname #1\relax
14654     \unrestored@protected@xdef\@thefnmark{\thempfn}%
14655   \endgroup
14656   \@RTLfootnotetext}
14657 \leftfootnoterule

```

97 File footnotebackref-xetex-bidi.def

```

14658 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
14659 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
14660 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
14661
14662 \renewcommand*\LTRfootnote{%
14663   \refstepcounter{BackrefHyperFootnoteCounter}%
14664   \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
14665   \label{\BackrefFootnoteTag}%
14666   \@ifnextchar [\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
14667

```



```

14668 \renewcommand*{\RTLfootnote}{%
14669     \refstepcounter{BackrefHyperFootnoteCounter}%
14670     \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
14671     \label{\BackrefFootnoteTag}%
14672     \@ifnextchar[\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote]{%
14673 \newcommand\Backref@HyperLTRFootnote[1]{%
14674     \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
14675
14676 \newcommand\Backref@HyperRTLFootnote[1]{%
14677     \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
14678
14679 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
14680     \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
14681
14682 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
14683     \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
14684
14685 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
14686 \ifFootnoteBackref@numberlinked
14687 \renewcommand{\footfootmark}{%
14688     \ifdim\footmarkwidth < \z@
14689         \llap{\hb@xt@ -\footmarkwidth{%
14690             \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14691             \hspace*{-\footmarkwidth}}}%
14692     \else
14693         \ifdim\footmarkwidth = \z@
14694             {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14695         \else
14696             \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14697         \fi
14698     \fi}
14699 \renewcommand{\LTRfootfootmark}{%
14700     \ifdim\footmarkwidth < \z@
14701         \llap{\hb@xt@ -\footmarkwidth{%
14702             \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14703             \hspace*{-\footmarkwidth}}}%
14704     \else
14705         \ifdim\footmarkwidth = \z@
14706             {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14707         \else
14708             \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14709         \fi
14710     \fi}
14711 \renewcommand{\RTLfootfootmark}{%
14712     \ifdim\footmarkwidth < \z@
14713         \llap{\hb@xt@ -\footmarkwidth{%
14714             \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14715             \hspace*{-\footmarkwidth}}}%
14716     \else
14717         \ifdim\footmarkwidth = \z@
14718             {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14719         \else
14720             \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14721         \fi

```



```

14722 \fi}
14723 \fi
14724 }

```

98 File framed-xetex-bidi.def

```

14725 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package fo
14726 \renewcommand\TitleBarFrame[3][\begingroup
14727 \ifx\delimiter#1\delimiter
14728 \let\TF@conlab\@empty
14729 \else
14730 \def\TF@conlab{% continuation label
14731 \nointerlineskip
14732 \smash{\rlap{\kern\wd\@tempboxa\kern\fb@rule\kern\fb@sep #1}}}%
14733 \fi
14734 %\let\TF@savecolor\current@color
14735 \textcolor{TF@FrameColor}{%
14736 \CustomFBox
14737 {\TF@Title{#2}}{\TF@conlab}}%
14738 \fb@rule\fb@rule\fb@rule\fb@rule
14739 %{\let\current@color\TF@savecolor\set@color #3}%
14740 {\normalcolor #3}%
14741 }\endgroup
14742 }
14743 \renewenvironment{titled-frame}[1]{%
14744 \def\FrameCommand{\fb@sep8pt\fb@rule2pt
14745 \TitleBarFrame{\textbf{#1}}}%
14746 \def\FirstFrameCommand{\fb@sep8pt\fb@rule2pt
14747 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
14748 \def\MidFrameCommand{\fb@sep8pt\fb@rule2pt
14749 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} \ (Co
14750 \def\LastFrameCommand{\fb@sep8pt\fb@rule2pt
14751 \TitleBarFrame{\textbf{#1} \ (cont)}}}%
14752 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
14753 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
14754 % could interfere with the width measurement.
14755 {\endMakeFramed}
14756 \chardef\FrameRestore=\catcode`\| % for debug
14757 \catcode`\|=\catcode`\% (debug: insert space after backslash)
14758 \def\fb@put@frame#1#2{\relax
14759 \ifdim\pagegoal=\maxdimen \pagegoal\vsizel\fi
14760 | \message{===== Entering putframe =====^^J
14761 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
14762 \ifinner
14763 \fb@putboxa#1%
14764 \fb@afterframe
14765 \else
14766 \dimen@=\pagegoal \advance\dimen@-\pagetotal % natural space left on page
14767 \ifdim\dimen@<2\baselineskip % Too little room on page
14768 | \message{Page has only \the\dimen@\space room left; eject. }%
14769 \eject \fb@adjheight \fb@put@frame#1#2%
14770 \else % there's appreciable room left on the page
14771 \fb@sizeofframe#1%
14772 | \message{\string\pagetotal=\the\pagetotal,

```



```

14773 |         \string\pagegoal=\the\pagegoal,
14774 |         \string\pagestretch=\the\pagestretch,
14775 |         \string\pageshrink=\the\pageshrink,
14776 |         \string\fb@frh=\the\fb@frh. \space}
14777 | \message{^^JBox of size \the\ht\@tempboxa\space}%
14778 | \begingroup % temporarily set \dimen@ to be...
14779 | \advance\dimen@.8\pageshrink % maximum space available on page
14780 | \advance\dimen@-\fb@frh\relax % max space available for frame's contents
14781 |%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
14782 | \expandafter\endgroup
14783 | % expand \ifdim, then restore \dimen@ to real room left on page
14784 | \ifdim\dimen@>\ht\@tempboxa % whole box does fit
14785 | \message{fits in \the\dimen@. }%
14786 | % ToDo: Change this to use vsplit anyway to capture the marks
14787 | % MERGE THIS WITH THE else CLAUSE!!!
14788 | \fb@putboxa#1%
14789 | \fb@afterframe
14790 | \else % box must be split
14791 | \message{must be split to fit in \the\dimen@. }%
14792 | % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
14793 | \fb@sizeofframe#2%
14794 | \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
14795 |     \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
14796 |     \kern137sp\kern-137sp\penalty-30
14797 |     \unvbox\@tempboxa}%
14798 | \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
14799 |     \splittopskip\the\splittopskip}%
14800 | \boxmaxdepth\z@ \splittopskip\z@
14801 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
14802 | % Split box here
14803 | \setbox\tw@\vsplit\@tempboxa to\dimen@
14804 | \toks99\expandafter{\splitfirstmark}%
14805 | \toks98\expandafter{\splitbotmark}%
14806 | \message{Marks are: \the\toks99, \the\toks98. }%
14807 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
14808 | \message{Natural height of split box is \the\ht\tw@, leaving
14809 |     \the\ht\@tempboxa\space remainder. }%
14810 | % If the split-to size > (\vsize-\topskip), then set box to full size.
14811 | \begingroup
14812 | \advance\dimen@\topskip
14813 | \expandafter\endgroup
14814 | \ifdim\dimen@>\pagegoal
14815 | \message{Frame is big -- Use up the full column. }%
14816 | \dimen@ii\pagegoal
14817 | \advance\dimen@ii -\topskip
14818 | \advance\dimen@ii \FrameHeightAdjust\relax
14819 | \else % suspect this is implemented incorrectly:
14820 | % If the split-to size > feasible room_on_page, rebox it smaller.
14821 | \advance\dimen@.8\pageshrink
14822 | \ifdim\ht\tw@>\dimen@
14823 | \message{Box too tall; rebox it to \the\dimen@. }%
14824 | \dimen@ii\dimen@
14825 | \else % use natural size
14826 | \dimen@ii\ht\tw@

```



```

14827     \fi
14828     \fi
14829     % Re-box contents to desired size \dimen@ii
14830     \advance\dimen@ii -\fb@frh
14831     \setbox\tw@\vbox to\dimen@ii \bgroup
14832     % remove simulated frame and page flexibility:
14833     \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
14834     \unvbox\tw@ \unpenalty\unpenalty
14835     \ifdim\lastkern=-137sp % whole box went to next page
14836 |     \message{box split at beginning! }%
14837     % need work here???
14838     \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
14839     \fb@adjheight
14840     \fb@put@frame#1#2% INSERTED ???
14841   \else % Got material split off at the head
14842     \egroup \fb@resto@set
14843     \ifvoid\@tempboxa % it all fit after all
14844 |     \message{box split at end! }%
14845     \setbox\@tempboxa\box\tw@
14846     \fb@putboxa#1%
14847     \fb@afterframe
14848     \else % it really did split
14849 |     \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
14850     \ifdim\wd\tw@>\z@
14851       \wd\tw@\wd\@tempboxa
14852       \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
14853     \else
14854 |     \message{Zero width means likely blank. Don't frame it (guess)}%
14855     \box\tw@
14856     \fi
14857     \hrule \@height\z@ \@width\hsize
14858     \eject
14859     \fb@adjheight
14860     \fb@put@frame\LastFrameCommand\MidFrameCommand
14861   \fi\fi\fi\fi\fi
14862 }
14863 \def\fb@putboxa#1{%
14864   \ifvoid\@tempboxa
14865     \PackageWarning{framed}{Boxa is void -- discard it. }%
14866   \else
14867 |   \message{Frame and place boxa. }%
14868 |   %{\showoutput\showbox\@tempboxa}%
14869   \centerline{#1{\hboxL{\box\@tempboxa}}}%
14870   \fi
14871 }
14872 \catcode`\|= \FrameRestore
14873 \def\FrameRestore{%
14874   \let\if@nobreak\iffalse
14875   \let\if@noskipsec\iffalse
14876   \let\-\@dischyp
14877   \let'\@acci\let\-\@accii\let\=\@acciii
14878   % \message{FrameRestore:
14879   %   \@totalleftmargin=\the \@totalleftmargin,
14880   %   \rightmargin=\the\rightmargin,

```



```

14881 % \listdepth=\the\listdepth. }%
14882 % Test if we are in a list (or list-like paragraph)
14883 \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
14884 \ifdim\rightmargin>\z@ 1\fi
14885 \ifnum\listdepth>\z@ 1\fi 0>\z@
14886 % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\totalleft
14887 % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
14888 % \labelwidth=\the\labelwidth. }%
14889 \@setminipage % snug fit around the item
14890 % Now try to propagate changes of width from \hsize to list parameters.
14891 % This is deficient, but a more advanced way to indicate modification to text
14892 % dimensions is not (yet) provided; in particular, no separate left/right
14893 % adjustment.
14894 \advance\linewidth-\columnwidth \advance\linewidth\hsize
14895 \parshape\@ne \@totalleftmargin \linewidth
14896 \else % Not in list
14897 \linewidth=\hsize
14898 \%message{No list, set \string\linewidth=\the\hsize. }%
14899 \fi
14900 \sloppy
14901 }

```

99 File `ftnright-xetex-bidi.def`

```

14902 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
14903
14904 \def\prepare@bidi@copyins{%
14905 \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
14906 \global\skip\@bidi@copyins@\z@
14907 \global\count\@bidi@copyins@\z@
14908 \global\dimen\@bidi@copyins@\textheight}
14909
14910 \newskip\bidi@rcol@copyinsskip
14911
14912 \def\LTR@outputdblcol{%
14913 \if@firstcolumn
14914 \global\@firstcolumnfalse
14915 \global\setbox\@leftcolumn\copy\@outputbox
14916 \global\count\footins\@m
14917 \global\skip\footins\rcol@footinsskip
14918 \global\count\@bidi@copyins@\@m
14919 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
14920 \splitmaxdepth\maxdimen
14921 \vbadness\maxdimen
14922 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14923 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14924 \toks@\expandafter{\topmark}%
14925 \xdef\@firstcoltopmark{\the\toks@}%
14926 \toks@\expandafter{\splitfirstmark}%
14927 \xdef\@firstcolfirstmark{\the\toks@}%
14928 \ifx\@firstcolfirstmark\@empty
14929 \global\let\@setmarks\relax
14930 \else
14931 \gdef\@setmarks{%

```



```

14932     \let\firstmark\@firstcolfirstmark
14933     \let\topmark\@firstcoltopmark}%
14934   \fi
14935 \else
14936 \preparefootins
14937 \prepare@bidi@copyins
14938 \global\@firstcolumntrue
14939 \setbox\@outputbox\vbox{%
14940   \hb@xt@\textwidth{%
14941     \hb@xt@\columnwidth{%
14942       \bidi@firstcolumn@status@write%
14943       \box\@leftcolumn \hss}%
14944     \hfil
14945     {\normalcolor\vrule \@width\columnseprule}%
14946     \hfil
14947     \hb@xt@\columnwidth{%
14948       \bidi@lastcolumn@status@write%
14949       \box\@outputbox \hss}}}%
14950 \@combinedblfloats
14951   \@setmarks
14952   \@outputpage
14953   \begingroup
14954     \@dblfloatplacement
14955     \@startdblcolumn
14956     \@whilesw@if@fcolmade \fi{\@outputpage
14957       \@startdblcolumn}%
14958   \endgroup
14959 \fi}%
14960
14961 \def\RTL@outputdblcol{%
14962   \if@firstcolumn
14963     \global\@firstcolumnfalse
14964     \global\setbox\@leftcolumn\copy\@outputbox
14965     \global\count\footins\@m
14966     \global\skip\footins\rcol@footinsskip
14967     \global\count\@bidi@copyins\@m
14968     \global\skip\@bidi@copyins\@bidi@rcol@copyinsskip
14969     \splitmaxdepth\maxdimen
14970     \vbadness\maxdimen
14971     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14972     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14973     \toks@\expandafter{\topmark}%
14974     \xdef\@firstcoltopmark{\the\toks@}%
14975     \toks@\expandafter{\splitfirstmark}%
14976     \xdef\@firstcolfirstmark{\the\toks@}%
14977     \ifx\@firstcolfirstmark\@empty
14978       \global\let\@setmarks\relax
14979     \else
14980       \gdef\@setmarks{%
14981         \let\firstmark\@firstcolfirstmark
14982         \let\topmark\@firstcoltopmark}%
14983     \fi
14984   \else
14985     \preparefootins

```




```

14986 \prepare@bidi@copyins
14987 \global\@firstcolumntrue
14988 \setbox\@outputbox\ vbox{%
14989   \hb@xt@\textwidth{%
14990     \hskip \columnwidth
14991     \hfil
14992     {\normalcolor\vrule \@width\columnseprule}%
14993     \hfil
14994     \hb@xt@\columnwidth{%
14995       \bidi@firstcolumn@status@write%
14996       \box\@leftcolumn \hss}%
14997       \hskip -\textwidth
14998       \hb@xt@\columnwidth{%
14999         \bidi@lastcolumn@status@write%
15000         \box\@outputbox \hss}%
15001         \hskip \columnsep
15002         \hskip \columnwidth }%
15003 \@combinedblfloats
15004 \setmarks
15005 \@outputpage
15006 \begin@group
15007 \@dblfloatplacement
15008 \startdblcolumn
15009 \@whilesw@if@fcolmade \fi{\@outputpage
15010 \startdblcolumn}%
15011 \end@group
15012 \fi}%
15013
15014 \def\@startcolumn{%
15015 \ifx\@deferlist\@empty
15016 \global\@fcolmadefalse
15017 \global\@colroom\@colht
15018 \else
15019 \ifvoid\footins\else
15020 \ftn@amount\ht\footins
15021 \advance\ftn@amount\dp\footins
15022 \advance\ftn@amount\skip\footins
15023 \fi
15024 \ifvoid\@bidi@copyins\else
15025 \bidi@copyins@amount\ht\@bidi@copyins@
15026 \advance\bidi@copyins@amount\dp\@bidi@copyins@
15027 \advance\bidi@copyins@amount\skip\@bidi@copyins@
15028 \fi
15029 \global\advance\@colht-\ftn@amount
15030 \global\advance\@colht-\bidi@copyins@amount
15031 \global\@colroom\@colht
15032 \xstartcol
15033 \global\advance\@colht\ftn@amount
15034 \global\advance\@colroom\ftn@amount
15035 \global\advance\@colht\bidi@copyins@amount
15036 \global\advance\@colroom\bidi@copyins@amount
15037 \fi
15038 \if@fcolmade
15039 \setbox\@cclv\box\@outputbox

```



```

15040 \@makecol
15041 \else
15042   \ifvoid\footins\else
15043     \insert\footins{\unvbox\footins}\fi
15044   \ifvoid\@bidi@copyins@\else
15045     \insert\@bidi@copyins@{\unvbox\@bidi@copyins@}\fi
15046 \fi}
15047
15048 \newdimen\@bidi@copyins@amount
15049
15050 \def\@makecol{\if@firstcolumn
15051   \setbox\@outputbox\box\@cclv
15052   \if@twocolumn \else
15053     \ifvoid\footins \else
15054       \@latexerr{ftnright package
15055         used in one-column mode}%
15056     {The ftnright package was designed to
15057     work with LaTeX's standard^^Jtwocolumn
15058     option. It does *not* work with the
15059     multicol package.^^JSo please specify
15060     `twocolumn' in the
15061     \noexpand\documentclass command.}%
15062     \shipout\box\footins \fi
15063   \ifvoid\@bidi@copyins@ \else
15064     \@latexerr{ftnright package
15065       used in one-column mode}%
15066   {The ftnright package was designed to
15067   work with LaTeX's standard^^Jtwocolumn
15068   option. It does *not* work with the
15069   multicol package.^^JSo please specify
15070   `twocolumn' in the
15071   \noexpand\documentclass command.}%
15072   \shipout\box\@bidi@copyins@ \fi\fi
15073 \ifnum\insertpenalties>\z@
15074   \@latexerr{ftnright package
15075     scrambled footnotes}%
15076 {There is too much footnote material in
15077 the first column and ftnright^^Jis
15078 unable to cope with this.^^JYou need
15079 to reduce the amount to get a properly
15080 formatted page.}%
15081 \fi
15082 \else
15083   \ifvoid\footins
15084     \ifvoid\@bidi@copyins@
15085       \setbox\@outputbox\box\@cclv
15086     \else
15087       \setbox\@outputbox\vbox
15088       {\ifvoid\@cclv \else
15089         \unvbox\@cclv
15090         \vskip \skip\@bidi@copyins@
15091       \fi
15092       \color@begingroup
15093       \normalcolor

```



```

15094         \unvbox \@bidi@copyins@
15095         \color@endgroup}%
15096     \fi
15097 \else
15098     \setbox\@outputbox\vbox
15099     {\ifvoid\@cclv \else
15100      \unvbox\@cclv
15101      \vskip\skip\footins\fi
15102      \color@begingroup
15103      \normalcolor
15104      \footnoterule\unvbox\footins
15105      \color@endgroup
15106      \ifvoid\@bidi@copyins@
15107      \else
15108       \vskip \skip\@bidi@copyins@
15109       \color@begingroup
15110       \normalcolor
15111       \unvbox \@bidi@copyins@
15112       \color@endgroup
15113      \fi
15114     }%
15115 \fi
15116 \fi
15117 \xdef\@freelist{\@freelist\@midlist}%
15118 \global \let \@midlist \@empty
15119 \@combinefloats
15120 \ifvbox\@kludgeins
15121     \@makespecialcolbox
15122 \else
15123     \setbox\@outputbox\vbox to\@colht
15124     {\boxmaxdepth\maxdepth
15125      \@texttop
15126      \@tempdima\dp\@outputbox
15127      \unvbox\@outputbox
15128      \vskip-\@tempdima
15129      \@textbottom}%
15130 \fi
15131 \global\maxdepth\@maxdepth}
15132
15133 \let\leftfootnoterule\@empty
15134 \let\rightfootnoterule\@empty
15135 \let\textwidthfootnoterule\@empty
15136 \let\autofootnoterule\@empty
15137 \let\footnoterule\@empty
15138 \long\def\@makefntext#1{\parindent 1em
15139  \noindent\hbox to 2em{}}%
15140 \llap{\@thefnmark\hbox{.}\, \, }#1}
15141
15142 \setlength{\skip\@bidi@copyins@}
15143         {10pt plus 5pt minus 3pt}
15144 \AtBeginDocument{\prepare@bidi@copyins}

```

100 File graphicx-xetex-bidi.def



```

15145 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
15146 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
15147   \Grot@setangle{#1}%
15148   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
15149   \Grot@x\z@
15150   \Grot@y\z@
15151   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
15152 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
15153   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
15154   \Grot@x\width \divide\Grot@x\tw@
15155   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
15156   \setkeys{Grot}{#1}%
15157   \setbox\z@\box@tempboxa
15158   \Grot@setangle{#2}%
15159   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
15160 \end@tempboxa}
15161 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
15162   \leavevmode
15163   \def\Gscale@x{#1}\def\Gscale@y{#2}%
15164   \setbox\z@\hbox{#3}%
15165   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
15166   \ifdim#2\p@<\z@
15167     \ht\tw@-#2\dp\z@
15168     \dp\tw@-#2\ht\z@
15169   \else
15170     \ht\tw@#2\ht\z@
15171     \dp\tw@#2\dp\z@
15172   \fi
15173   \ifdim#1\p@<\z@
15174     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
15175   \else
15176     \wd\tw@#1\wd\z@
15177     \box\tw@
15178   \fi\ifmmode\else\if@RTL\endL\fi\fi}
15179 \def\Gin@iii[#1,#2][#3,#4]#5{%
15180   \begingroup
15181   \ifmmode\else\if@RTL\beginL\fi\fi
15182   \Gin@bboxtrue
15183   \Gin@defaultbp\Gin@llx{#1}%
15184   \Gin@defaultbp\Gin@lly{#2}%
15185   \Gin@defaultbp\Gin@urx{#3}%
15186   \Gin@defaultbp\Gin@ury{#4}%
15187   \Gin@include@graphics{#5}%
15188   \ifmmode\else\if@RTL\endL\fi\fi
15189   \endgroup}
15190 \def\Gin@ii[#1]#2{%
15191   \def\@tempa{[]}\def\@tempb{#2}%
15192   \ifx\@tempa\@tempb
15193     \def\@tempa{\Gin@iii[#1] []}%
15194     \expandafter\@tempa
15195   \else
15196     \begingroup
15197     \ifmmode\else\if@RTL\beginL\fi\fi
15198     \@tempswafalse

```



```

15199     \toks@{\Gininclude@graphics{#2}}%
15200     \setkeys{Gin}{#1}%
15201     \Gin@esetsize
15202     \the\toks@
15203     \ifmmode\else\if@RTL\endL\fi\fi
15204     \endgroup
15205     \fi}
15206 \def\reflectbox{\bidiGscale@box-1[1]}
15207 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
15208   \leavevmode
15209   \def\Gscale@x{#1}\def\Gscale@y{#2}%
15210   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RT
15211   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
15212   \ifdim#2\p@<\z@
15213     \ht\tw@-#2\dp\z@
15214     \dp\tw@-#2\ht\z@
15215   \else
15216     \ht\tw@#2\ht\z@
15217     \dp\tw@#2\dp\z@
15218   \fi
15219   \ifdim#1\p@<\z@
15220     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
15221   \else
15222     \wd\tw@#1\wd\z@
15223     \box\tw@
15224   \fi\ifmmode\else\if@RTL\endL\fi\fi}
15225 \def\scalebox#1{%
15226   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}]
15227 \def\resizebox{%
15228   \leavevmode
15229   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
15230 \def\bidiGscale@@box#1#2#3{%
15231   \let\@tempa\Gin@exclamation
15232   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
15233   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
15234   \ifx\@tempb\@tempa
15235     \ifx\@tempc\@tempa
15236       \toks@{\mbox}%
15237     \else
15238       \toks@{\bidiGscale@box@dd{#3}#1}%
15239     \fi
15240   \else
15241     \ifx\@tempc\@tempa
15242       \toks@{\bidiGscale@box@dd{#2}\width}%
15243     \else
15244       \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
15245     \fi
15246   \fi
15247   \the\toks@}
15248 \long\def\bidiGscale@box@dd#1#2#3{%
15249   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3
15250   \setlength\@tempdima{#1}%
15251   \setlength\@tempdimb{#2}%
15252   \Gscale@div\@tempa\@tempdima\@tempdimb

```



```

15253 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
15254 \end@tempboxa}
15255 \long\def\bidigscale@box@dddd#1#2#3#4#5{%
15256 \begin@tempboxa\hbox{\ifmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\
15257 \setlength\@tempdima{#1}%
15258 \setlength\@tempdimb{#2}%
15259 \Gscale@div\@tempa\@tempdima\@tempdimb
15260 \setlength\@tempdima{#3}%
15261 \setlength\@tempdimb{#4}%
15262 \Gscale@div\@tempb\@tempdima\@tempdimb
15263 \ifGin@iso
15264 \ifdim\@tempa\p@>\@tempb\p@
15265 \let\@tempa\@tempb
15266 \else
15267 \let\@tempb\@tempa
15268 \fi
15269 \fi
15270 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
15271 \end@tempboxa}

```

101 File geometry-xetex-bidi.def

```

15272 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry packag
15273 \renewcommand*\Gm@vrules@mpi}{%
15274 \if@RTLmain%
15275 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
15276 \llap{\Gm@vrule}\ignorespaces
15277 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
15278 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
15279 \else%
15280 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
15281 \hskip \textwidth\Gm@vrule\hskip \marginparsep
15282 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
15283 \renewcommand*\Gm@vrules@mpii}{%
15284 \if@RTLmain%
15285 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
15286 \hskip \textwidth\Gm@vrule\hskip \marginparsep
15287 \llap{\Gm@vrule}\hfil\Gm@vrule}%
15288 \else%
15289 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
15290 \llap{\Gm@vrule}\ignorespaces
15291 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
15292 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
15293 \bidi@patchcmd{\Gm@pageframes}{%
15294 \ifodd\count\z@
15295 \let\@themargin\oddsidemargin
15296 \else
15297 \let\@themargin\evensidemargin
15298 \fi
15299 }{%
15300 \ifodd\count\z@
15301 \if@RTLmain
15302 \let\@themargin\evensidemargin
15303 \else

```



```

15304         \let\@themargin\oddsidemargin
15305         \fi
15306     \else
15307         \if@RTLmain
15308             \let\@themargin\oddsidemargin
15309         \else
15310             \let\@themargin\evensidemargin
15311         \fi
15312     \fi
15313 }-{}-{}

```

102 File hvfloat-xetex-bidi.def

```

15314 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package
15315 \def\do@hvFloat[#1]#2#3{%
15316 \def\hv@shortCap{#1}
15317 \def\hv@longCap{#2}
15318 \def\hv@label{#3}
15319 %\newcommand*{\hvFloat}[5] [] {%
15320 % [#1]: keyvalues
15321 % #2: type figure | table | ...
15322 % #3: float contents
15323 % [#4]: short caption
15324 % #5: caption
15325 % #6: label
15326 % \setDefault%
15327 % \def\@tempa{#1}%
15328 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
15329 \def\@tempa{90}%
15330 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
15331 \else \setlength{\hvMaxCapWidth}{\linewidth}
15332 \fi
15333 %
15334 % First we save the object in \hvObjectBox
15335 %
15336 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
15337 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
15338 \else
15339 \savebox{\hvObjectBox}{%
15340 \rotatebox{\hvSet@objectAngle}{%
15341 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
15342 \fi
15343 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
15344 %
15345 % Now we save the caption with its defined \hvCapWidth
15346 %
15347 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
15348 \else
15349 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
15350 \else
15351 \setlength{\hvCapWidth}{\hvObjectWidth}
15352 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
15353 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
15354 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth

```



```

15355 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
15356     \else
15357 \setlength{\hvCapWidth}{\hvMaxCapWidth}
15358     \fi
15359     \fi
15360 \fi
15361 %
15362 % now we have the object and the caption with the right
15363 % rotated angles saved in boxes
15364 %
15365 \def\fps@figure{\hvSet@floatPos}
15366 \ifhv@nonFloat\begin{group}% Start the nonfloat part
15367 \else \begin{\hv@floatType}% Start the floating environment
15368 \fi%
15369 \saveCaptionSkip% we put this space ourselve
15370 \ifx\hvSet@capAngle\hv@Width % need rotation?
15371 \sbox{\hvCaptionBox}{%
15372 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
15373 \ifhv@nonFloat%
15374 \ifhv@onlyText#2%
15375 \else%
15376 \ifx\hv@floatType\hv@figure
15377 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
15378 \else
15379 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
15380 \fi
15381 \fi
15382 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
15383 \fi%
15384 \label{#3}%
15385 \end{minipage}%
15386 }%
15387 \else%
15388 \sbox{\hvCaptionBox}{%
15389 \rotatebox{\hvSet@capAngle}{%
15390 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
15391 \ifhv@nonFloat%
15392 \ifhv@onlyText#2%
15393 \else%
15394 \ifx\hv@floatType\hv@figure
15395 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
15396 \else
15397 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
15398 \fi
15399 \fi
15400 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
15401 \fi%
15402 \label{#3}%
15403 \end{minipage}%
15404 }%
15405 }%
15406 \fi%
15407 %%
15408 \restoreCaptionSkip% save old values

```




```

15409 \ifx\hvSet@objectPos\hv@Right\ bidi@raggedleft%
15410 \else%
15411 \ifx\hvSet@objectPos\hv@Center
15412 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
15413 \fi%
15414 \fi%
15415 %
15416 % to rotate object and caption together, we save all in another box
15417 % the caption comes first, if its on the left or the top
15418 %
15419 \savebox{\@tempboxa}{%
15420 \ifx\hvSet@capPos\hv@Left % caption on left side
15421 \if@RTL%
15422 \ifx\hvSet@capVPos\hv@Center%
15423 \ifhv@fbox
15424 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
15425 \else
15426 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
15427 \fi%
15428 \hspace{\hvSet@floatCapSep pt}%
15429 \ifhv@fbox
15430 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
15431 \else
15432 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
15433 \fi%
15434 \else%
15435 \ifx\hvSet@capVPos\hv@Top
15436 \ifhv@fbox
15437 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
15438 \else
15439 \raisebox{-\height}{\usebox{\hvObjectBox}}%
15440 \fi%
15441 \hspace{\hvSet@floatCapSep pt}%
15442 \ifhv@fbox
15443 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
15444 \else
15445 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
15446 \fi
15447 \else
15448 \ifhv@fbox
15449 \fbox{\usebox{\hvObjectBox}}%
15450 \else
15451 \usebox{\hvObjectBox}%
15452 \fi
15453 \hspace{\hvSet@floatCapSep pt}%
15454 \ifhv@fbox
15455 \fbox{\usebox{\hvCaptionBox}}%
15456 \else
15457 \usebox{\hvCaptionBox}%
15458 \fi%
15459 \fi%
15460 \fi%
15461 \else% not RTL
15462 \ifx\hvSet@capVPos\hv@Center%

```



```

15463     \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
15464     \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
15465     \fi%
15466     \hspace{\hvSet@floatCapSep pt}% capfloatsep
15467     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
15468     \else     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
15469     \fi%
15470     \else%
15471     \ifx\hvSet@capVPos\hv@Top % caption at top
15472     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
15473     \else     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
15474     \fi
15475     \hspace{\hvSet@floatCapSep pt}% capfloatsep
15476     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
15477     \else     \raisebox{-\height}{\usebox{\hvObjectBox}}%
15478     \fi%
15479     \else% caption on bottom
15480     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
15481     \else\usebox{\hvCaptionBox}
15482     \fi%
15483     \hspace{\hvSet@floatCapSep pt}%
15484     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
15485     \else     \usebox{\hvObjectBox}
15486     \fi%
15487     \fi%
15488 \fi% end of RTL
15489 \fi%
15490 \else
15491     \ifx\hvSet@capPos\hv@Top
15492     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
15493     \begin{minipage}{\wd\hvCaptionBox}
15494     \else
15495     \begin{minipage}{\wd\hvObjectBox}
15496     \fi
15497     \centering
15498     \ifhv@fbox
15499     \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
15500     \fbbox{\usebox{\hvObjectBox}}
15501     \else
15502     \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
15503     \usebox{\hvObjectBox}
15504     \fi%
15505     \end{minipage}
15506     \else
15507     \ifx\hvSet@capPos\hv@Bottom
15508     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
15509     \begin{minipage}{\wd\hvCaptionBox}
15510     \else
15511     \begin{minipage}{\wd\hvObjectBox}
15512     \fi
15513     \centering
15514     \ifhv@fbox
15515     \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
15516     \fbbox{\usebox{\hvCaptionBox}}

```



```

15517     \else
15518     \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
15519     \usebox{\hvCaptionBox}
15520     \fi%
15521     \end{minipage}
15522     \else% the last option: put the caption on the right
15523 \if@RTL%
15524     \ifx\hvSet@capVPos\hv@Center%
15525     \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
15526     \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
15527     \fi%
15528     \hspace{\hvSet@floatCapSep pt}% capfloatsep
15529     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
15530     \else     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
15531     \fi%
15532 \else%
15533     \ifx\hvSet@capVPos\hv@Top % caption at top
15534     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
15535     \else     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
15536     \fi
15537     \hspace{\hvSet@floatCapSep pt}% capfloatsep
15538     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
15539     \else     \raisebox{-\height}{\usebox{\hvObjectBox}}%
15540     \fi%
15541     \else% caption on bottom
15542     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
15543     \else\usebox{\hvCaptionBox}
15544     \fi%
15545     \hspace{\hvSet@floatCapSep pt}%
15546     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
15547     \else     \usebox{\hvObjectBox}
15548     \fi%
15549     \fi%
15550 \fi%
15551 \else% not RTL
15552     \ifx\hvSet@capVPos\hv@Center%
15553     \ifhv@fbox
15554     \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
15555     \else
15556     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
15557     \fi%
15558     \hspace{\hvSet@floatCapSep pt}%
15559     \ifhv@fbox
15560     \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
15561     \else
15562     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
15563     \fi%
15564     \else%
15565     \ifx\hvSet@capVPos\hv@Top
15566     \ifhv@fbox
15567     \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
15568     \else
15569     \raisebox{-\height}{\usebox{\hvObjectBox}}%
15570     \fi%

```



```

15571     \hspace{\hvSet@floatCapSep pt}%
15572     \ifhv@fbox
15573     \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
15574     \else
15575     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
15576     \fi
15577   \else
15578     \ifhv@fbox
15579     \fbox{\usebox{\hvObjectBox}}%
15580     \else
15581     \usebox{\hvObjectBox}%
15582     \fi
15583     \hspace{\hvSet@floatCapSep pt}%
15584     \ifhv@fbox
15585     \fbox{\usebox{\hvCaptionBox}}%
15586     \else
15587     \usebox{\hvCaptionBox}%
15588     \fi%
15589   \fi%
15590   \fi
15591 \fi% end of RTL
15592   \fi
15593   \fi
15594   \fi
15595 }% End savebox Object and caption
15596 %
15597 % now we rotate the object and caption, if needed
15598 %
15599 \ifx\hvSet@rotAngle\hv@Zero
15600   \usebox{\@tempboxa}
15601 \else
15602   \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
15603 \fi
15604 \ifhv@nonFloat
15605 \ifx\hvSet@objectPos\hv@Center
15606   \ifhv@nonFloat
15607     \hspace{\fill}
15608   \fi
15609 \fi
15610 \endgroup% End the nonfloat part
15611 \else
15612 \end{\hv@floatType}% End the floating environment
15613 \fi
15614 }

```

103 File `hyperref-xetex-bidi.def`

```

15615 \ProvidesFile{hyperref-xetex-bidi.def}[2025/01/05 v1.4 bidi adaptations for hyperref package]
15616 \AtBeginDocument{%
15617 \def\contentsline#1#2#3#4{%
15618   \ifx\#4\%
15619     \csname l@#1\endcsname{#2}{#3}%
15620   \else
15621     \ifcase\Hy@linktoc % none

```



```

15622     \csname l@#1\endcsname{#2}{#3}%
15623 \or % section
15624     \csname l@#1\endcsname{%
15625     \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
15626     }{#3}%
15627 \or % page
15628     \csname l@#1\endcsname{#{2}}{#3}%
15629     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
15630     }%
15631 \else % all
15632     \csname l@#1\endcsname{%
15633     \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
15634     }{#3}%
15635     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
15636     }%
15637 \fi
15638 \fi
15639 }
15640 \ifHy@hyperfootnotes
15641 \let\H@@footnotetext\@footnotetext
15642 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
15643 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
15644 \def\xfootnotenext[#1]{%
15645 \begingroup
15646 \csname c@\@mpfn\endcsname #1\relax
15647 \unrestored@protected@xdef\@thefnmark{\thempfn}%
15648 \endgroup
15649 \ifx\@footnotetext\@mpfootnotetext
15650 \expandafter\H@@mpfootnotetext
15651 \else
15652 \expandafter\H@@footnotetext
15653 \fi
15654 }%
15655 \def\@xRTLfootnotenext[#1]{%
15656 \begingroup
15657 \csname c@\@mpfn\endcsname #1\relax
15658 \unrestored@protected@xdef\@thefnmark{\thempfn}%
15659 \endgroup
15660 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
15661 \expandafter\HRTL@mpRTLfootnotetext
15662 \else
15663 \expandafter\HRTL@RTLfootnotetext
15664 \fi
15665 }%
15666 \def\@xLTRfootnotenext[#1]{%
15667 \begingroup
15668 \csname c@\@mpfn\endcsname #1\relax
15669 \unrestored@protected@xdef\@thefnmark{\thempfn}%
15670 \endgroup
15671 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
15672 \expandafter\HLTR@mpLTRfootnotetext
15673 \else
15674 \expandafter\HLTR@LTRfootnotetext
15675 \fi

```



```

15676 }%
15677 \def\xfootnotemark[#1]{%
15678 \begingroup
15679 \c@footnote #1\relax
15680 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
15681 \endgroup
15682 \H@@footnotemark
15683 }%
15684 \let\H@@mpfootnotetext\@mpfootnotetext
15685 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
15686 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
15687 \long\def\@mpfootnotetext#1{%
15688 \H@@mpfootnotetext{%
15689 \ifHy@nesting
15690 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15691 \else
15692 \Hy@raisedlink{%
15693 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15694 }#1%
15695 \fi
15696 }%
15697 }%
15698 \long\def\@mpRTLfootnotetext#1{%
15699 \HRTL@@mpRTLfootnotetext{%
15700 \ifHy@nesting
15701 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15702 \else
15703 \Hy@raisedlink{%
15704 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15705 }#1%
15706 \fi
15707 }%
15708 }%
15709 \long\def\@mpLTRfootnotetext#1{%
15710 \HLTR@@mpLTRfootnotetext{%
15711 \ifHy@nesting
15712 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15713 \else
15714 \Hy@raisedlink{%
15715 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15716 }#1%
15717 \fi
15718 }%
15719 }%
15720 \long\def\@footnotetext#1{%
15721 \H@@footnotetext{%
15722 \ifHy@nesting
15723 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15724 \else
15725 \Hy@raisedlink{%
15726 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15727 }%
15728 \let\@currentHlabel\Hy@footnote@currentHlabel
15729 \let\@currentHref\Hy@footnote@currentHref

```



```

15730     \let\@currentlabelname\@empty
15731     #1%
15732     \fi
15733   }%
15734 }%
15735 \long\def\@RTLfootnotetext#1{%
15736 \HRTL@RTLfootnotetext{%
15737   \ifHy@nesting
15738     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15739   \else
15740     \Hy@raisedlink{%
15741       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15742     }%
15743     \let\@currentHlabel\Hy@footnote@currentHlabel
15744     \let\@currentHref\Hy@footnote@currentHref
15745     \let\@currentlabelname\@empty
15746     #1%
15747     \fi
15748   }%
15749 }%
15750 \long\def\@LTRfootnotetext#1{%
15751 \HLTR@LTRfootnotetext{%
15752   \ifHy@nesting
15753     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15754   \else
15755     \Hy@raisedlink{%
15756       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15757     }%
15758     \let\@currentHlabel\Hy@footnote@currentHlabel
15759     \let\@currentHref\Hy@footnote@currentHref
15760     \let\@currentlabelname\@empty
15761     #1%
15762     \fi
15763   }%
15764 }%
15765 \ApplyPatchCodeToPackage{tabularx}{%
15766 \let\HyOrg@TX@endtabularx\TX@endtabularx
15767 \def\Hy@tabularx@hook{%
15768   \let\@footnotetext\H@@footnotetext
15769   \let\@LTRfootnotetext\HLTR@LTRfootnotetext
15770   \let\@RTLfootnotetext\HRTL@RTLfootnotetext
15771   \let\@footnotemark\H@@footnotemark
15772   \let\@mpfootnotetext\H@mpfootnotetext
15773   \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
15774   \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
15775 }%
15776 \begingroup
15777   \toks@ \expandafter{\TX@endtabularx}%
15778   \xdef\Hy@gtemp{%
15779     \noexpand\Hy@tabularx@hook
15780     \the\toks@
15781   }%
15782 \endgroup
15783 \let\TX@endtabularx\Hy@gtemp

```



```

15784 }%
15785 \ApplyPatchCodeToPackage{longtable}{%
15786 \CheckCommand{\LT@p@LTRftntext}[1]{%
15787   \edef\@tempa{%
15788     \the\LT@p@ftn
15789     \noexpand\LTRfootnotetext[\the\c@footnote]%
15790   }%
15791   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
15792 }%
15793 \long\def\LT@p@LTRftntext#1{%
15794   \edef\@tempa{%
15795     \the\LT@p@ftn
15796     \begingroup
15797     \noexpand\c@footnote=\the\c@footnote\relax
15798     \noexpand\protected@xdef\noexpand\@thefnmark{%
15799       \noexpand\thempfn
15800     }%
15801     \noexpand\Hy@LT@LTRfootnotetext{%
15802       \Hy@footnote@currentHref
15803     }%
15804   }%
15805   \global\LT@p@ftn\expandafter{%
15806     \@tempa{#1}%
15807   \endgroup
15808 }%
15809 }%
15810 \long\def\Hy@LT@LTRfootnotetext#1#2{%
15811   \HLTR@@LTRfootnotetext{%
15812     \ifHy@nesting
15813       \hyper@@anchor{#1}{#2}%
15814     \else
15815       \Hy@raisedlink{%
15816         \hyper@@anchor{#1}{\relax}%
15817       }%
15818       \def\@currentHref{#1}%
15819       \let\@currentlabelname\@empty
15820       #2%
15821     \fi
15822   }%
15823 }%
15824 \CheckCommand{\LT@p@RTLftntext}[1]{%
15825   \edef\@tempa{%
15826     \the\LT@p@ftn
15827     \noexpand\RTLfootnotetext[\the\c@footnote]%
15828   }%
15829   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
15830 }%
15831 \long\def\LT@p@RTLftntext#1{%
15832   \edef\@tempa{%
15833     \the\LT@p@ftn
15834     \begingroup
15835     \noexpand\c@footnote=\the\c@footnote\relax
15836     \noexpand\protected@xdef\noexpand\@thefnmark{%
15837       \noexpand\thempfn

```




```

15838     }%
15839     \noexpand\Hy@LT@RTLfootnotetext{%
15840         \Hy@footnote@currentHref
15841     }%
15842 }%
15843 \global\LT@p@ftn\expandafter{%
15844     \@tempa{#1}%
15845     \endgroup
15846 }%
15847 }%
15848 \long\def\Hy@LT@RTLfootnotetext#1#2{%
15849     \HRTL@RTLfootnotetext{%
15850         \ifHy@nesting
15851             \hyper@@anchor{#1}{#2}%
15852         \else
15853             \Hy@raisedlink{%
15854                 \hyper@@anchor{#1}{\relax}%
15855             }%
15856             \def\@currentHref{#1}%
15857             \let\@currentlabelname\@empty
15858             #2%
15859         \fi
15860     }%
15861 }%
15862 }%
15863 \ApplyPatchCodeToPackage{bidipoem}{%
15864 \long\def\bidipoem@p@ftntext#1{%
15865     \edef\@tempx{%
15866         \the\bidipoem@p@ftn
15867     \begingroup
15868         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
15869         \noexpand\protected@xdef\noexpand\@thefnmark{%
15870             \noexpand\thempfn
15871         }%
15872         \noexpand\Hy@bidipoem@footnotetext{%
15873             \Hy@footnote@currentHref
15874         }%
15875     }%
15876     \global\bidipoem@p@ftn\expandafter{%
15877         \@tempx{#1}%
15878     \endgroup
15879 }%
15880 }%
15881 \long\def\Hy@bidipoem@footnotetext#1#2{%
15882     \H@@footnotetext{%
15883         \ifHy@nesting
15884             \hyper@@anchor{#1}{#2}%
15885         \else
15886             \Hy@raisedlink{%
15887                 \hyper@@anchor{#1}{\relax}%
15888             }%
15889             \def\@currentHref{#1}%
15890             \let\@currentlabelname\@empty
15891             #2%

```



```

15892     \fi
15893   }%
15894 }%
15895   \long\def\bidipoem@p@LTRftntext#1{%
15896   \edef\@tempxi{%
15897     \the\bidipoem@p@ftn
15898   \begingroup
15899     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
15900     \noexpand\protected@xdef\noexpand\@thefnmark{%
15901       \noexpand\thempfn
15902     }%
15903     \noexpand\Hy@bidipoem@LTRfootnotetext{%
15904       \Hy@footnote@currentHref
15905     }%
15906   }%
15907   \global\bidipoem@p@ftn\expandafter{%
15908     \@tempxi{#1}%
15909   \endgroup
15910   }%
15911 }%
15912 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
15913   \HLTR@@LTRfootnotetext{%
15914     \ifHy@nesting
15915       \hyper@@anchor{#1}{#2}%
15916     \else
15917       \Hy@raisedlink{%
15918         \hyper@@anchor{#1}{\relax}%
15919       }%
15920       \def\@currentHref{#1}%
15921       \let\@currentlabelname\@empty
15922       #2%
15923     \fi
15924   }%
15925 }%
15926   \long\def\bidipoem@p@RTLftntext#1{%
15927   \edef\@tempxii{%
15928     \the\bidipoem@p@ftn
15929   \begingroup
15930     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
15931     \noexpand\protected@xdef\noexpand\@thefnmark{%
15932       \noexpand\thempfn
15933     }%
15934     \noexpand\Hy@bidipoem@RTLfootnotetext{%
15935       \Hy@footnote@currentHref
15936     }%
15937   }%
15938   \global\bidipoem@p@ftn\expandafter{%
15939     \@tempxii{#1}%
15940   \endgroup
15941   }%
15942 }%
15943 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
15944   \HRTL@@RTLfootnotetext{%
15945     \ifHy@nesting

```



```

15946         \hyper@@anchor{#1}{#2}%
15947     \else
15948         \Hy@raisedlink{%
15949             \hyper@@anchor{#1}{\relax}%
15950         }%
15951         \def\@currentHref{#1}%
15952         \let\@currentlabelname\@empty
15953         #2%
15954     \fi
15955 }%
15956 }%
15957 }%
15958 \let\HyOrg@maketitle\maketitle
15959 \def\maketitle{%
15960     \let\Hy@saved@footnotemark\@footnotemark
15961     \let\Hy@saved@footnotetext\@footnotetext
15962     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
15963     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
15964     \let\@footnotemark\H@@footnotemark
15965     \let\@footnotetext\H@@footnotetext
15966     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
15967     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
15968     \@ifnextchar[\Hy@maketitle@optarg{% ]
15969         \HyOrg@maketitle
15970         \Hy@maketitle@end
15971     }%
15972 }%
15973 \def\Hy@maketitle@optarg[#1]{%
15974     \HyOrg@maketitle[{#1}]%
15975     \Hy@maketitle@end
15976 }%
15977 \def\Hy@maketitle@end{%
15978     \ifx\@footnotemark\H@@footnotemark
15979         \let\@footnotemark\Hy@saved@footnotemark
15980         \fi
15981     \ifx\@footnotetext\H@@footnotetext
15982         \let\@footnotetext\Hy@saved@footnotetext
15983         \fi
15984     \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
15985         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
15986         \fi
15987     \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
15988         \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
15989         \fi
15990 }%
15991 \def\realfootnote{%
15992     \@ifnextchar[\@xfootnote{%
15993         \stepcounter{\@mpfn}%
15994         \protected@xdef\@thefnmark{\thempfn}%
15995         \H@@footnotemark\H@@footnotetext
15996     }%
15997 }%
15998 \fi
15999 \def\Hy@BeginAnnot#1{%

```



```

16000 \ifmmode\else\beginL\fi%
16001 \global\advance\c@Hy@AnnotLevel\@ne
16002 \ifnum\c@Hy@AnnotLevel=\@ne
16003 #1%
16004 \fi
16005 }
16006 \def\Hy@endAnnot{%
16007 \ifnum\c@Hy@AnnotLevel=\@ne
16008 \Hy@endcolorlink
16009 \@pdfm@mark{eann}%
16010 \fi
16011 \global\advance\c@Hy@AnnotLevel\m@ne
16012 \ifmmode\else\endL\fi%
16013 }
16014 \def\hyper@link#1#2#3{%
16015 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
16016 }
16017 \def\hyper@linkfile#1#2#3{%
16018 \leavevmode
16019 \Hy@BeginAnnot{%
16020 \def\Hy@pstringF{#2}%
16021 \Hy@CleanupFile\Hy@pstringF
16022 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
16023 \Hy@pstringdef\Hy@pstringD{#3}%
16024 \Hy@MakeRemoteAction
16025 \@pdfm@mark{%
16026 bann<<%
16027 /Type/Annot%
16028 /Subtype/Link%
16029 \ifHy@pdfa /F 4\fi
16030 \Hy@setpdfborder
16031 \ifx\@filebordercolor\relax
16032 \else
16033 /C[\@filebordercolor]%
16034 \fi
16035 /A<<%
16036 /S/GoToR%
16037 /F(\Hy@pstringF)%
16038 /D%
16039 \ifx\@#3\%
16040 [\Hy@href@page\pdfremotestartview]%
16041 \else
16042 (\Hy@pstringD)%
16043 \fi
16044 \Hy@SetNewWindow
16045 \Hy@href@nextactionraw
16046 >>%
16047 >>%
16048 }%
16049 \Hy@colorlink\@filecolor
16050 }%
16051 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
16052 \Hy@endAnnot
16053 }

```



```

16054 \def\@hyper@launch run:#1\|#2#3{% filename, anchor text linkname
16055 \leavevmode
16056 \Hy@BeginAnnot{%
16057 \Hy@pstringdef\Hy@pstringF{#1}%
16058 \Hy@pstringdef\Hy@pstringP{#3}%
16059 \@pdfm@mark{%
16060 bann<<%
16061 /Type/Annot%
16062 /Subtype/Link%
16063 \ifHy@pdfa /F 4\fi
16064 \Hy@setpdfborder
16065 \ifx\@runbordercolor\relax
16066 \else
16067 /C[\@runbordercolor]%
16068 \fi
16069 /A<<%
16070 /F(\Hy@pstringF)%
16071 /S/Launch%
16072 \Hy@SetNewWindow
16073 \ifx\|#3\|%
16074 \else
16075 /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
16076 \fi
16077 \Hy@href@nextactionraw
16078 >>%
16079 >>%
16080 }%
16081 \Hy@colorlink\@runcolor
16082 }%
16083 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
16084 \Hy@EndAnnot
16085 }
16086 \def\hyper@linkurl#1#2{%
16087 \leavevmode
16088 \Hy@BeginAnnot{%
16089 \Hy@pstringdef\Hy@pstringURI{#2}%
16090 \@pdfm@mark{%
16091 bann<<%
16092 /Type/Annot%
16093 /Subtype/Link%
16094 \ifHy@pdfa /F 4\fi
16095 \Hy@setpdfborder
16096 \ifx\@urlbordercolor\relax
16097 \else
16098 /C[\@urlbordercolor]%
16099 \fi
16100 /A<<%
16101 /S/URI%
16102 /URI(\Hy@pstringURI)%
16103 \ifHy@href@ismap
16104 /IsMap true%
16105 \fi
16106 \Hy@href@nextactionraw
16107 >>%

```



```

16108     >>%
16109   }%
16110   \Hy@colorlink \@urlcolor
16111 }%
16112 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
16113 \Hy@EndAnnot
16114 }
16115 \def\Acrobatmenu#1#2{%
16116   \Hy@Acrobatmenu{#1}{#2}{%
16117     \Hy@BeginAnnot{%
16118       \EdefEscapeName\Hy@temp@menu{#1}%
16119       \@pdfm@mark{%
16120         bann<<%
16121         /Type/Annot%
16122         /Subtype/Link%
16123         \ifHy@pdfa /F 4\fi
16124         \Hy@setpdfborder
16125         \ifx\@menubordercolor\relax
16126         \else
16127           /C[\@menubordercolor]%
16128         \fi
16129         /A<<%
16130         /S/Named%
16131         /N\Hy@temp@menu
16132         \Hy@href@nextactionraw
16133         >>%
16134       >>%
16135     }%
16136     \Hy@colorlink \@menucolor
16137   }%
16138   \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
16139   \Hy@EndAnnot
16140 }%
16141 }
16142 \def\hyper@natlinkstart#1{%
16143   \Hy@backout{#1}%
16144   \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
16145   \def\hyper@nat@current{#1}%
16146 }
16147 \def\hyper@natlinkend{%
16148   \if@RTL\endR\fi\hyper@linkend
16149 }
16150 \def\hyper@natlinkbreak#1#2{%
16151   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
16152 }%
16153 }
16154 \pdfstringdefDisableCommands{%
16155   \let\LRE\@firstofone
16156   \let\LR\@firstofone
16157   \let\RLE\@firstofone
16158   \let\RL\@firstofone
16159   \def\XeTeX{Xe\TeX}%
16160   \def\XeLaTeX{Xe\LaTeX}%
16161 }

```



```

16162 \bidi@patchcmd\@TextField{%
16163   \@pdfm@mark
16164 }{%
16165   \if@RTL
16166     \hskip\Fld@width
16167   \fi
16168   \@pdfm@mark
16169 }{}{}
16170 \bidi@patchcmd\@TextField{%
16171   \unhbox
16172 }{%
16173   \if@RTL
16174     \hskip-\Fld@width
16175   \fi
16176   \unhbox
16177 }{}{}
16178 \bidi@patchcmd\@@Radio{%
16179   \@pdfm@mark
16180 }{%
16181   \if@RTL
16182     \hskip\Fld@width
16183   \fi
16184   \@pdfm@mark
16185 }{}{}
16186 \bidi@patchcmd\@@Radio{%
16187   \unhcopy
16188 }{%
16189   \if@RTL
16190     \hskip-\Fld@width
16191   \fi
16192   \unhcopy
16193 }{}{}
16194 \bidi@patchcmd\@Submit{%
16195   \@pdfm@mark
16196 }{%
16197   \if@RTL
16198     \null
16199     \hskip\wd\pdfm@box
16200   \fi
16201   \@pdfm@mark
16202 }{}{}
16203 \bidi@patchcmd\@Submit{%
16204   \unhbox
16205 }{%
16206   \if@RTL
16207     \hskip-\wd\pdfm@box
16208   \fi
16209   \unhbox
16210 }{}{}
16211 \bidi@patchcmd\@Reset{%
16212   \@pdfm@mark
16213 }{%
16214   \if@RTL
16215     \null

```



```

16216 \hskip\wd\pdfm@box
16217 \fi
16218 \@pdfm@mark
16219 }-{}
16220 \bidi@patchcmd\@Reset{%
16221 \unhbox
16222 }-{}
16223 \if@RTL
16224 \hskip-\wd\pdfm@box
16225 \fi
16226 \unhbox
16227 }-{}

```

104 File `imsproc-xetex-bidi.def`

```

16228 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class fo
16229 \newenvironment{thebibliography}[1]{%
16230 \@bibtitlestyle
16231 \normalfont\bibliofont\labelsep .5em\relax
16232 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
16233 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16234 \bidi@thebibliography@font@hook
16235 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
16236 \leftmargin\labelwidth \advance\leftmargin\labelsep
16237 \usecounter{enumiv}}%
16238 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
16239 \sfcode\.=\@m
16240 }-{}
16241 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
16242 \endlist
16243 }
16244
16245 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
16246 \columnseprule\z@ \columnsep 35\p@
16247 \@indextitlestyle
16248 \thispagestyle{plain}%
16249 \let\item\@idxitem
16250 \parindent\z@ \parskip\z@\@plus.3\p@\relax
16251 \if@RTL\raggedleft\else\raggedright\fi
16252 \hyphenpenalty\@M
16253 \footnotesize}
16254 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
16255 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
16256 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
16257
16258 \def\right@footnoterule{%
16259 \kern-.4\p@
16260 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
16261 \kern1\p@\kern-\footnotesep}
16262 \def\left@footnoterule{\kern-.4\p@
16263 \hrule\@width 5pc\kern1\p@\kern-\footnotesep}
16264 \def\@makefnmark{%
16265 \leavevmode
16266 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}

```




```

16267 }
16268
16269 \def\part{\@startsection{part}{0}%
16270 \z@\{\linespacing\@plus\linespacing\}.5\linespacing}%
16271 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
16272 \def\@tocline#1#2#3#4#5#6#7{\relax
16273 \ifnum #1>\c@tocdepth % then omit
16274 \else
16275 \par \addpenalty\@secpenalty\advspace{#2}%
16276 \begingroup \hyphenpenalty\@M
16277 \ifempty{#4}{%
16278 \@tempdima\c@tocindent\@tocdepth\endcsname\relax
16279 }{%
16280 \@tempdima#4\relax
16281 }%
16282 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else
16283 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
16284 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
16285 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16286 \nobreak
16287 \endgroup
16288 \fi}
16289 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
16290 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
16291 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
16292 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
16293 \def\maketitle{\par
16294 \@topnum\z@ % this prevents figures from falling at the top of page 1
16295 \@setcopyright
16296 \thispagestyle{firstpage}% this sets first page specifications
16297 \uppercase\shorttitle
16298 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
16299 \else \andify\shortauthors
16300 \fi
16301 \@maketitle@hook
16302 \begingroup
16303 \@maketitle
16304 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
16305 \toks4{\def\{\ignorespaces}}% defend against questionable usage
16306 \edef\@tempa{%
16307 \@nx\markboth{\the\toks4
16308 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
16309 \@tempa
16310 \endgroup
16311 \c@footnote\z@
16312 \cleartopmattertags
16313 }

```

105 File leqno-xetex-bidi.def

```

16314 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
16315 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
16316 \rlap{\hskip -\displaywidth
16317 {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR}}

```



106 File letter-xetex-bidi.def

```
16318 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter c
16319 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
16320   \thispagestyle{firstpage}%
16321   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
16322   \else % home address
16323     \thispagestyle{empty}%
16324     {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r{}}\else\begin{tabular}
16325       \fromaddress \*[2\parskip]%
16326       \@date \end{tabular}\par}%
16327   \fi
16328   \vspace{2\parskip}%
16329   {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
16330   \vspace{2\parskip}%
16331   #1\par\nobreak}
16332 \renewcommand\left@footnoterule{%
16333   \kern-\p@
16334   \hrule \@width .4\columnwidth
16335   \kern .6\p@}
16336 \renewcommand\right@footnoterule{%
16337   \kern-\p@
16338   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16339   \kern .6\p@}
```

107 File lettrine-xetex-bidi.def

```
16340 \ProvidesFile{lettrine-xetex-bidi.def}[2024/12/08 v0.9 bidi adaptations for lettrine packag
16341 \RemoveFromHook{begindocument}[lettrine]
16342 \AtBeginDocument[lettrine]{%
16343   \if\DefaultOptionsFile\relax
16344   \else
16345     \InputIfFileExists{\DefaultOptionsFile}%
16346     {%
16347       {\PackageWarning{lettrine.sty}%
16348         {File \DefaultOptionsFile\space not found}%
16349       }%
16350   \fi
16351   \let\ifL@RTL\if@RTL
16352 }
```

108 File lineno-xetex-bidi.def

```
16353 \ProvidesFile{lineno-xetex-bidi.def}[2024/12/07 v0.3 bidi adaptations for lineno package fo
16354 \bidi@patchcmd{\MakeLineNo}{%
16355   \hb@xt@\z@{\makeLineNumber}%
16356 }{%
16357   \hboxL to \z@{\makeLineNumber}%
16358 }{}{}
16359
16360 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
16361   \if@RTL
16362     \hb@xt@\linewidth{\LineNumber\hss}%
16363   \else
```



```

16364     \LineNumber
16365     \fi
16366 }-{}
16367
16368 \bidi@patchcmd{\makeLineNumberRight}{%
16369   \hb@xt@\linewidth{\hss\LineNumber}%
16370 }-{}
16371   \if@RTL
16372     \LineNumber
16373   \else
16374     \hb@xt@\linewidth{\hss\LineNumber}%
16375   \fi
16376 }-{}
16377
16378 \bidi@AfterPreamble{%
16379   \if@RTLmain
16380     \rightlinenumbers*
16381   \else
16382     \leftlinenumbers*
16383   \fi
16384   \@ifpackagewith{lineno}{left}{%
16385     \leftlinenumbers*
16386   }-{}
16387   \@ifpackagewith{lineno}{right}{%
16388     \rightlinenumbers*
16389   }-{}
16390   \@ifpackagewith{lineno}{switch}{%
16391     \if@RTLmain
16392       \switchlinenumbers*%
16393     \else
16394       \switchlinenumbers
16395     \fi
16396   }-{}
16397   \@ifpackagewith{lineno}{switch*}{%
16398     \if@RTLmain
16399       \switchlinenumbers
16400     \else
16401       \switchlinenumbers*%
16402     \fi
16403   }-{}
16404 }
16405

```

109 File listings-xetex-bidi.def

```

16406 \ProvidesFile{listings-xetex-bidi.def}[2025/01/03 v1.6 bidi adaptations for listings package]
16407 \lst@Key{captiondirection}{textdirection}{%
16408   \lstKV@SwitchCases{#1}%
16409   {textdirection:\\%
16410     RTL:\chardef\bidi@lst@caption@direction@one\\%
16411     LTR:\chardef\bidi@lst@caption@direction@z%
16412   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
16413
16414 \lst@Key{captionscript}{textscript}{%

```



```

16415 \lstKV@SwitchCases{#1}%
16416 {textscript:\%
16417 latin:\chardef\bidi@lst@caption@script@one\%
16418 nonlatin:\chardef\bidi@lst@caption@script@z%
16419 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
16420
16421 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
16422 \ifundefined{bidi@lst@caption@direction}{}%
16423 \ifnum\bidi@lst@caption@direction=\z%
16424 #1%
16425 \else%
16426 \ifnum\bidi@lst@caption@direction=@ne%
16427 #2%
16428 \fi%
16429 \fi%
16430 }}
16431
16432 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
16433 \ifundefined{bidi@lst@caption@script}{}%
16434 \ifnum\bidi@lst@caption@script=\z%
16435 #1%
16436 \else%
16437 \ifnum\bidi@lst@caption@script=@ne%
16438 #2%
16439 \fi%
16440 \fi%
16441 }}
16442
16443 \long\def\@bidi@lst@makecaption#1#2{%
16444 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
16445 \vskip\abovecaptionskip
16446 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
16447 \sbox\@tempboxa{%
16448 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
16449 #1: #2%
16450 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
16451 }%
16452 \ifdim \wd\@tempboxa >\hspace
16453 #1: #2\par
16454 \else
16455 \global \@minipagefalse
16456 \hb@xt@\hspace{\hfil\box\@tempboxa\hfil}%
16457 \fi
16458 \vskip\belowcaptionskip}%
16459 \def\lst@makecaption{\@bidi@lst@makecaption}
16460 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
16461 \bidi@AtEndPreamble{%
16462 \bidi@patchcmd{\lst@MakeCaption}{%
16463 \ifx #1t%
16464 \ifx\lst@caption@empty\expandafter\lst@HRefStepCounter \else
16465 \expandafter\refstepcounter
16466 \fi {lstlisting}}%
16467 }{%
16468 \ifx #1t%

```



```

16469     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
16470     \ifx\lst@caption\empty\expandafter\lst@HRefStepCounter \else
16471         \expandafter\refstepcounter
16472     \fi {lstlisting}%
16473     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
16474 }-{}%
16475 \bidi@patchcmd{\lst@MakeCaption}{%
16476     \addcontentsline{lol}{lstlisting}%
16477     {\protect\numberline{\thelstlisting}\lst@caption}%
16478 }-{}%
16479 \begingroup%
16480     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
16481     \addcontentsline{lol}{lstlisting}%
16482     {\protect\numberline{\thelstlisting}\lst@caption}%
16483 \endgroup%
16484 }-{}%
16485 }
16486 \ApplyPatchIfPackageLoaded{caption}{%
16487     \AtBeginCaption{%
16488         \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
16489         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
16490     }
16491     \let\@bidi@lst@makecaption\caption@makecaption%
16492     \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
16493     \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
16494 }-{}%
16495 \AtBeginDocument{%
16496     \@ifundefined{captionlabelfalse}{-{}%
16497         \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
16498     \@ifundefined{captionstartrue}{-{}%
16499         \def\lst@maketitle{\captionstartrue\@bidi@lst@makecaption\@empty}}%
16500 }%
16501 }
16502 \AtBeginDocument{
16503     \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{-{}
16504     \lst@ifnumberbychapter
16505         \gdef\thelstlisting%
16506             {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
16507     \else
16508         \gdef\thelstlisting{\@arabic\c@lstlisting}
16509     \fi}

```

110 File longtable-xetex-bidi.def

```

16510 \ProvidesFile{longtable-xetex-bidi.def}[2025/01/05 v0.8 bidi adaptations for longtable pack
16511 \ExplSyntaxOn
16512 \def\LT@array[#1]#2{%
16513     \UseTaggingSocket{tbl/init}
16514     \tl_if_empty:eTF { \LTcapttype }
16515     {
16516         \tl_gset:Ne \@currentHref {LT@tables.\theHLT@tables}
16517     }
16518     {
16519         \@kernel@refstepcounter{\LTcapttype}\stepcounter{LT@tables}

```



```

16520     \tl_gset:Ne \@currentHref {\LTcapytype.\cs_if_exist_use:c {theH\LTcapytype}}
16521     }
16522 \tbl_gzero_row_count:
16523 \UseTaggingSocket{tbl/longtable/init}
16524 \if l#1%
16525   \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
16526 \else\if r#1%
16527   \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
16528 \else\if c#1%
16529   \LTleft\fill \LTright\fill
16530 \fi\fi\fi
16531 \let\LT@mc@multicolumn
16532 \let\LT@@tabarray\@tabarray
16533 \let\LT@@hl\hline
16534 \def\@tabarray{%
16535   \let\hline\LT@@hl
16536   \LT@@tabarray}%
16537 \let\\\LT@tabularcr
16538 \let\tabularnewline\\%
16539 \def\newpage{\noalign{\break}}%
16540 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
16541 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
16542 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
16543 \@tempdima\ht\strutbox
16544 \let\@endpbox\LT@endpbox
16545 \ifx\extrarowheight\@undefined
16546   \let\@acol\@tabacol
16547   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
16548   \def\@startpbox{\vtop\LT@startpbox}%
16549   \let\@@startpbox\@startpbox
16550   \let\@@endpbox\@endpbox
16551   \let\LT@LL@FM@cr\@tabularcr
16552 \else
16553   \advance\@tempdima\extrarowheight
16554   \col@sep\tabcolsep
16555   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
16556 \fi
16557 \setbox\@arstrutbox\hbox{\vrule
16558   \@height \arraystretch \@tempdima
16559   \@depth \arraystretch \dp \strutbox
16560   \@width \z@}%
16561 \let\@sharp#\let\protect\relax
16562 \begingroup
16563 \mkpream{#2}%
16564 \tbl_count_table_cols:
16565 \xdef\LT@bchunk{%
16566   \tbl_inbetween_rows:
16567   \global\advance\c@LT@chunks\@ne
16568   \global\LT@rows\z@\setbox\z@\vbox\bgroup
16569   \LT@setprevdepth
16570   \tabskip\LTleft \noexpand\halign to\hsize\bgroup
16571   \tabskip\z@ \@arstrut
16572   \UseTaggingSocket{tbl/row/begin}%
16573   \tbl_init_cell_data_for_row:

```



```

16574     \@preamble \tabskip\LT@right \cr}%
16575 \endgroup
16576 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
16577 \LT@make@row
16578 \m@th\let\par\@empty
16579 \everycr{%
16580   \noalign{%
16581     \tbl_trace:n {--longtable-->-chunk-row:~ \the\LT@rows \space
16582                 row:~ \the\g__tbl_row_int \space
16583                 column:~ \the\g__tbl_col_int
16584   }
16585   \tbl_if_row_was_started:T
16586   {
16587     \UseTaggingSocket{tbl/row/end}
16588     \tbl_inbetween_rows:
16589   }
16590   \int_compare:nNnT \LT@rows < \LT@chunksize
16591   { \tbl_gincr_row_count: } % next is row about to start
16592 }%
16593 }%
16594 \lineskip\z@\baselineskip\z@
16595 \LT@bchunk}
16596 \ExplSyntaxOff
16597 \def\LT@makecaption#1#2#3{%
16598   \LT@mc@l\LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
16599     \reset@font
16600     \sbox\@tempboxa{\if@RTL\beginR\fi#1#2: }#3\if@RTL\endR\fi}%
16601     \ifdim\wd\@tempboxa>\hsize
16602       #1#2: }#3%
16603     \else
16604       \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
16605     \fi
16606     \endgraf\vskip\baselineskip}%
16607   \hss}}
16608 \ApplyPatchCodeToPackage{caption}{%
16609   \renewcommand\LT@makecaption[3]{%
16610     \caption@LT@make{%
16611       \caption@LT@settype\LT@capttype
16612       \caption@LT@setup
16613       \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
16614       \caption@startrue#1\caption@starfalse
16615       \caption@prepare@stepcounter\LT@capttype
16616       \caption@begin\LT@capttype
16617       \caption@normalsize
16618       \vskip-\ht\strutbox
16619       \caption@ifdefined\FBifcaptop{%
16620         \let\caption@belowskip\@empty}{}%
16621       \caption@make@above
16622       \caption@@make{#2}{#3}\endgraf
16623       \caption@make@below
16624       \caption@end}}%
16625 }
16626 \def\LT@startpbox#1{%
16627   \bgroup

```



```

16628 \color@begingroup
16629 \let\@footnotetext\LT@p@ftntext
16630 \let\@LTRfootnotetext\LT@p@LTRftntext
16631 \let\@RTLfootnotetext\LT@p@RTLftntext
16632 \setlength\hsize{#1}%
16633 \@arrayparboxrestore
16634 \everypar{%
16635     \vrule \@height \ht\@arstrutbox \@width \z@
16636     \everypar{}}%
16637 }
16638 \long\def\LT@p@LTRftntext#1{%
16639     \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}%
16640     \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
16641 \long\def\LT@p@RTLftntext#1{%
16642     \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}%
16643     \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
16644 \def\LT@output{%
16645     \ifnum\outputpenalty <-\@Mi
16646     \ifnum\outputpenalty > -\LT@end@pen
16647         \LT@err{floats and marginpars not allowed in a longtable}\@ehc
16648     \else
16649         \setbox\z@\vbox{\unvbox\@cclv}%
16650         \ifdim \ht\LT@lastfoot>\ht\LT@foot
16651             \dimen@\pagegoal
16652             \advance\dimen@\ht\LT@foot
16653             \advance\dimen@-\ht\LT@lastfoot
16654             \ifdim\dimen@<\ht\z@
16655                 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
16656                 \@makecol
16657                 \@outputpage
16658                 \global\vsiz@\colroom
16659                 \setbox\z@\vbox{\box\LT@head}%
16660             \fi
16661         \fi
16662         \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
16663         \unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastfoot\fi
16664         \UseTaggingSocket{tbl/longtable/foot}
16665         \if@RTLtab\egroup\endR\egroup\fi
16666     \fi
16667 \else
16668     \setbox\@cclv\vbox{%
16669         \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
16670         \unvbox\@cclv\copy\LT@foot\vss
16671         \if@RTLtab\egroup\endR\egroup\fi
16672     }%
16673     \UseTaggingSocket{tbl/longtable/foot}
16674     \@makecol
16675     \@outputpage
16676     \global\vsiz@\colroom
16677     \copy\LT@head\nobreak
16678 \fi}

```

111 File lscape-xetex-bidi.def




```

16679 \ProvidesFile{lscape-xetex-bidi.def}[2025/01/03 v0.3 bidi adaptations for lscape package fo
16680 \RequirePackage{graphicx}
16681 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
16682   \if@RTL
16683     \rotatebox[origin=br]{-90}{\box\@outputbox}%
16684   \else
16685     \rotatebox{90}{\box\@outputbox}%
16686   \fi
16687 }-{}
16688
16689 \g@addto@macro{\landscape}{%
16690   \if@bidi@csdef{bidi@columnwidth}{%
16691     \bidi@columnwidth\columnwidth
16692   }-{}%
16693   \let\@bidi@left@footnoterule\left@footnoterule
16694   \let\@bidi@right@footnoterule\right@footnoterule
16695   \def\left@footnoterule{%
16696     \if@RTL
16697       \bidi@right@footnoterule
16698     \else
16699       \bidi@left@footnoterule
16700     \fi
16701   }%
16702   \def\right@footnoterule{%
16703     \if@RTL
16704       \bidi@left@footnoterule
16705     \else
16706       \bidi@right@footnoterule
16707     \fi
16708   }%
16709 }

```

112 File `mathtools-xetex-bidi.def`

```

16710 \ProvidesFile{mathtools-xetex-bidi.def}[2025/01/03 v0.2 bidi adaptations for mathtools pack
16711 \RequirePackage{graphicx}
16712 \MHInternalSyntaxOn
16713 \def\MT_define_tagform:nwnn #1[#2]#3#4{
16714   \@namedef{MT_tagform_#1:n}##1
16715     {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4
16716 }
16717 \renewtagform{default}{()-{}}
16718 \MHInternalSyntaxOff

```

113 File `mdframed-xetex-bidi.def`

```

16719 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed packag
16720 \newif\if@bidi@mdf@RTL
16721 \def\mdf@lrbbox#1{%
16722   \mdf@patchamsthm%patch amsthm
16723   \if@RTL\@bidi@mdf@RTLtrue\fi%
16724   \@RTLfalse%
16725   \setbox#1\ vbox\bgroup%
16726   \color@begingroup%

```



```

16727 \if@bidi@mdf@RTL@RTLtrue\fi%
16728 \mdf@horizontalmargin@equation%
16729 \columnwidth=\hsize%
16730 \textwidth=\hsize%
16731 \let\if@nobreak\iffalse%
16732 \let\if@noskipsec\iffalse%
16733 \let\par\@par%
16734 \let\-\@dischyph%
16735 \let'\@acci\let'\@accii\let\=@acciii%
16736 \parindent\z@ \parskip\z@skip%
16737 \linewidth\hsize%
16738 \@totalleftmargin\z@%
16739 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
16740 \parfillskip\@flushglue \lineskip\normallineskip%
16741 \baselineskip\normalbaselineskip%
16742 %% \sloppy%
16743 \let\\\@normalcr%
16744 \mdf@par@local%New feature to restore parskip/parindent local in save box
16745 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
16746 \@afterindentfalse%
16747 %\@afterheading%
16748 }
16749 \renewrobustcmd\mdfframedtitleenv[1]{%
16750 \mdf@lrbox{\mdf@frametitlebox}%
16751 \mdf@frametitlealignment%
16752 \leavevmode{\color{\mdf@frametitlefontcolor}%
16753 \normalfont\mdf@frametitlefont{#1}
16754 \ifbool{mdf@ignorelastdescenders}%
16755 {%
16756 \par\strut\par
16757 \unskip\unskip\setbox0=\lastbox
16758 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
16759 }{}%
16760 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi}%
16761 \endmdf@lrbox\relax%
16762 \mdf@ignorevbadness%
16763 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
16764 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
16765 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
16766 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
16767 \mdfframetitleboxtotalheight=\dimexpr
16768 \ht\mdf@frametitlebox
16769 +\dp\mdf@frametitlebox%
16770 +\mdf@frametitleaboveskip@length
16771 +\mdf@frametitlebelowskip@length
16772 \relax%
16773 }
16774
16775 \renewrobustcmd*\mdf@footnoteoutput{%
16776 \ifvoid\@mpfootins\else%
16777 \nobreak%
16778 \vskip\mdf@footnotedistance@length%
16779 \normalcolor%
16780 \bidi@mpfootnoterule%

```



```

16781         \unvbox\@mpfootins%
16782     \fi%
16783 }
16784
16785
16786 \renewrobustcmd*\mdf@footnoteinput{%
16787     \def\@mpfn{mpfootnote}%
16788     \def\thempfn{\thempfootnote}%
16789     \c@mpfootnote\z@%
16790     \let\@footnotetext\@mpfootnotetext%
16791     \let\@LTRfootnotetext\@mpLTRfootnotetext%
16792     \let\@RTLfootnotetext\@mpRTLfootnotetext%
16793 }

```

114 File media9-xetex-bidi.def

```

16794 \ProvidesFile{media9-xetex-bidi.def}[2025/01/03 v0.1 bidi adaptations for media9 package fo
16795 \RequirePackage{bidi-media9}

```

115 File bidi-media9.sty

```

16796 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
16797 {bidi fixes for media9 package for the XeTeX engine}
16798
16799 \keys_define:nn{media9/mbtn}{
16800     draft .code:n = {},
16801     final .code:n = {},
16802
16803     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
16804     tooltip .value_required:n = {true},
16805
16806     overface .code:n = {
16807         \sbox\l_mix_poster_box{
16808             \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
16809             \mix_pdfxform:n{\l_mix_poster_box}
16810             \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
16811         },
16812         overface .value_required:n = {true},
16813
16814     downface .code:n = {
16815         \sbox\l_mix_poster_box{
16816             \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
16817             \mix_pdfxform:n{\l_mix_poster_box}
16818             \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
16819         },
16820         downface .value_required:n = {true},
16821
16822     3Dgotoview .code:n = {
16823         \tl_set:Nx\l_tmpa_tl{#1}                %extract ref
16824         \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl
16825         \tl_trim_spaces:N\l_tmpa_tl
16826         \tl_if_exist:cTF{ann@\l_tmpa_tl}{
16827             \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
16828                 \tl_set:Nx\l_tmpb_tl{#1}                %extract idx

```



```

16829 \regex_replace_once:nnN{[^\:]+:~?}{\l_tmpb_tl
16830 \tl_trim_spaces:N\l_tmpb_tl
16831 \tl_if_blank:VF\l_tmpb_tl{
16832 \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
16833 \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
16834 }{
16835 \regex_match:nVTF{^\d+$}\l_tmpb_tl{
16836 \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
16837 }{
16838 \regex_replace_once:nnN{^\(\s*\)}{\l_tmpb_tl
16839 \regex_replace_once:nnN{\s*\)}{\l_tmpb_tl
16840 \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl)}
16841 }
16842 }
16843 }
16844 \mix_pdfobj:nnn{}{dict}{
16845 /S/JavaScript/JS-(
16846 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
16847 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
16848 annotRM['\l_tmpa_tl']=
16849 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
16850 }
16851 annotRM['\l_tmpa_tl'].activated=true;
16852 )
16853 \tl_if_blank:VF\l_tmpb_tl{
16854 /Next~<<
16855 /S/GoTo3DView
16856 /TA~\tl_use:c{ann@\l_tmpa_tl}
16857 /V\l_mix_vidx_tl
16858 >>
16859 }
16860 }
16861 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
16862 }
16863 }{
16864 \msg_warning:nx{media9}{undefined~reference}{\l_tmpa_tl}
16865 \cs_if_exist:NF\g_mix_refundefwarned_tl{
16866 \tl_new:N\g_mix_refundefwarned_tl
16867 \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
16868 }
16869 }
16870 },
16871 3Dgotoview .value_required:n = {true},
16872
16873 mediacommand .code:n = {
16874 \tl_set:Nx\l_tmpa_tl{#1}
16875 \regex_replace_once:nnN{([^\:]+):~?.*}{\1}\l_tmpa_tl %extract ref
16876 \tl_trim_spaces:N\l_tmpa_tl
16877 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
16878 \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
16879 \tl_set:Nx\l_tmpb_tl{#1}
16880 \regex_replace_once:nnN{[^\:]+:~?}{\l_tmpb_tl
16881 \tl_trim_spaces:N\l_tmpb_tl
16882 \regex_replace_all:nnN{^\{|\}$}{\l_tmpb_tl

```



```

16883     \tl_set:Nx\l_mix_cmd_tl{
16884       \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
16885     \tl_trim_spaces:N\l_mix_cmd_tl
16886     \tl_set:Nx\l_mix_arg_tl{
16887       \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
16888     \tl_trim_spaces:N\l_mix_arg_tl
16889     \mix_pdfobj:nnn{}{dict}{
16890       /S/JavaScript/JS~(
16891         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
16892         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
16893           annotRM['\l_tmpa_tl']=
16894             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
16895         }
16896         annotRM['\l_tmpa_tl'].activated=true;
16897       )
16898     \tl_if_blank:VF\l_mix_cmd_tl{
16899       /Next~<<
16900       /S/RichMediaExecute
16901       /TA~\tl_use:c{ann@\l_tmpa_tl}
16902       /TI~\tl_use:c{main@\l_tmpa_tl}
16903       /CMD~<<
16904       /C~(\l_mix_cmd_tl)
16905       \tl_if_blank:VF\l_mix_arg_tl{
16906         /A~[\l_mix_arg_tl]
16907       }
16908       >>
16909     >>
16910   }
16911 }
16912 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
16913 }
16914 }{
16915   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
16916   \cs_if_exist:NF\g_mix_refundefwarned_tl{
16917     \tl_new:N\g_mix_refundefwarned_tl
16918     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
16919   }
16920 }
16921 },
16922 mediacommand .value_required:n = {true},
16923
16924 jsaction .code:n = {
16925   \tl_set:Nx\l_tmpa_tl{#1}
16926   \regex_match:nVTF{^[^[:]+:.*$}\l_tmpa_tl{
16927     \regex_replace_once:nnN{([[:]+):??.*}{\1}\l_tmpa_tl %extract ref
16928     \tl_trim_spaces:N\l_tmpa_tl
16929   }{\tl_clear:N\l_tmpa_tl}
16930   \tl_set:Nx\l_tmpb_tl{#1}
16931   \tl_if_blank:VF\l_tmpa_tl{
16932     \tl_if_exist:cF{ann@\l_tmpa_tl}{
16933       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
16934       \cs_if_exist:NF\g_mix_refundefwarned_tl{
16935         \tl_new:N\g_mix_refundefwarned_tl
16936         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}

```



```

16937     }
16938   }
16939   \regex_replace_once:nnN{[^\:]+\:}{}\l_tmpb_tl
16940 }
16941 \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
16942 \tl_trim_spaces:N\l_tmpb_tl
16943 \tl_if_blank:VF\l_tmpb_tl{
16944 \mix_pdfobj:nnn}{dict}{
16945   /S/JavaScript/JS~(
16946     try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
16947 \bool_lazy_and:nnT{
16948   \tl_if_exist_p:c{ann@\l_tmpa_tl}
16949 }{
16950   !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
16951 }{
16952   \mix_pdfobj:nnn}{dict}{
16953     /S/JavaScript/JS~(
16954       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
16955       if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
16956         annotRM['\l_tmpa_tl']=
16957           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
16958       }
16959       annotRM['\l_tmpa_tl'].activated=true;
16960     )
16961     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
16962   }
16963 }
16964 \bool_if:nT{
16965   \bool_lazy_and_p:nn{
16966     \tl_if_exist_p:c{ann@\l_tmpa_tl}
16967   }{
16968     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
16969   }
16970   || !\tl_if_blank_p:V\l_tmpb_tl
16971 }{
16972   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
16973 }
16974 },
16975 jsaction .value_required:n = {true},
16976
16977 unknown .code:n = {
16978   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
16979 }
16980 }
16981
16982 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file
16983   \mix_uriend:
16984   \group_begin:
16985   \mix_beginLTR:
16986   \mode_leave_vertical:
16987   %empty stream as appearance dummy
16988   \cs_if_exist:NF\g_mix_appearance_tl{
16989     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
16990     \mix_pdfxform:n{\l_mix_poster_box}

```



```

16991 \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
16992 }
16993 \mix_reset:
16994 \mix_uribegin: %treat URI characters correctly
16995 \keys_set:nn{media9/user}{#1}
16996 \mix_uriend:
16997 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
16998 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
16999 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
17000 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
17001 \tl_gtrim_spaces:N\g_mix_flashvars_tl
17002
17003 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
17004
17005 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
17006 %\hbox_set:Nn\l_mix_poster_box{#2}
17007 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
17008 \mix_scale:n{\l_mix_poster_box}
17009 \bool_if:nT{
17010 \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
17011 \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
17012 }{
17013 \tl_gset:Nn\g_mix_usrpbtn_tl{none}
17014 }
17015 \bool_if:NTF\g_mix_usrdraft_bool{
17016 \tl_if_empty:NF\g_mix_usrlabel_tl{
17017 \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
17018 }
17019 \tl_if_blank:oTF{#2}{
17020 \mix_uribegin: %treat URI characters correctly
17021 \mix_draftbox:n{\tl_to_str:n{#3}}
17022 \mix_uriend:
17023 }{
17024 \hbox_to_wd:nn{\g_mix_wd_tl}{
17025 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
17026 \box_use:N\l_mix_poster_box\hss
17027 }
17028 }
17029 }{
17030 \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
17031 %attach script that switches off play button overlay upon activation
17032 \mix_pdfobj:nmn{}{stream}{
17033 {}{
17034 var~ocgs=host.getOCGs(host.pageNum);
17035 for(var~i=0;i<ocgs.length;i++){
17036 if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
17037 ocgs[i].state=false;
17038 }
17039 }
17040 }
17041 }
17042 \mix_pdfobj:nmn{}{dict}{
17043 /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
17044 }

```



```

17045     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
17046     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:-}
17047     %enforce plain playbutton overlay for XeTeX
17048     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
17049   }
17050   %embed main asset
17051   \mix_uribegin:
17052   \mix_embedasset:n{#3}
17053   \bool_if:nTF{
17054     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
17055   }{
17056     \bool_gset_true:N\g_mix_iiid_bool
17057     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
17058   }{
17059     \str_case_e:nnF{\l_mix_base_tl}{
17060       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
17061       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
17062       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
17063       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
17064       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
17065     }\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
17066   }
17067   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
17068   \mix_uriend:
17069   %secondary assets (added by addresource)
17070   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
17071   \seq_map_inline:Nn\g_mix_script_seq{
17072     \mix_embedasset:n{##1}
17073     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
17074   }
17075   %attach 3D calculation script
17076   \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
17077     \mix_embedasset:n{3Dmenu.js}
17078     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
17079   }
17080   %create 3D views from file (option 3Dviews)
17081   \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
17082     \tl_set:Nn\l_mix_level_tl{-1}
17083     \int_zero:N\l_mix_viewcnt_int
17084     \int_zero:N\l_mix_lineno_int
17085
17086     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
17087     \ior_map_inline:Nn\l_mix_vfile_stream{
17088       \int_incr:N\l_mix_lineno_int
17089       \keys_set:nn{media9/views}{##1} %process input line
17090     }
17091     \ior_close:N\l_mix_vfile_stream
17092   }
17093   \bool_if:nT{ %create default 3D view if required
17094     \g_mix_iiid_bool &&
17095     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
17096   }{
17097     \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
17098     \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl

```




```

17099 \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
17100 \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
17101 \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
17102 \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
17103 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
17104
17105 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
17106 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
17107 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
17108 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
17109
17110 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
17111 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
17112 \tl_clear:N\l_mix_naarray_tl
17113
17114 \bool_if:NF\l_mix_ciiw_bool{
17115   \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
17116   \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
17117 }
17118
17119 \tl_clear:N\l_mix_naarray_tl
17120 \tl_clear:N\l_mix_saarray_tl
17121 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
17122
17123 \mix_view:n{Default}
17124 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
17125
17126 }
17127 \mix_pdfobj:nnn{}{dict}{
17128   /Type/RichMediaInstance
17129   /Subtype/\g_mix_mainassetsub_tl
17130   /Asset~\g_mix_mainasset_tl
17131   \bool_if:NF\g_mix_iiid_bool{
17132     /Params~<<
17133     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
17134       /Foreground
17135     }{
17136       /Background
17137     }
17138     \tl_if_blank:VF\g_mix_flashvars_tl{
17139       /FlashVars~(\g_mix_flashvars_tl)
17140     }
17141     >>
17142   }
17143 }
17144 \tl_if_empty:NF\g_mix_usrlabel_tl{
17145   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
17146 }
17147 \mix_pdfobj:nnn{}{dict}{
17148   /Type/RichMediaConfiguration
17149   /Subtype/\g_mix_mainassetsub_tl
17150   /Instances~[\mix_pdflastobj:]
17151 }
17152 \mix_pdfobj:nnn{}{dict}{

```



```

17153 /Type/RichMediaContent
17154 /Assets~<</Names~[\g_mix_assets_tl]>>
17155 /Configurations~[\mix_pdflastobj:]
17156 \bool_if:nT{
17157   \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
17158 }{
17159   /Views~[\l_mix_iiidviewarray_tl]
17160 }
17161 }
17162 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
17163 \bool_if:nT{
17164   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
17165 }{
17166   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
17167 }
17168 %determine floating window size
17169 \bool_if:NT\g_mix_opt_windowed_bool{
17170   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
17171 }
17172 \mix_pdfobj:nnn{}{dict}{
17173   /Activation~<<
17174     /Condition\g_mix_act_tl
17175     \bool_if:nT{
17176       \g_mix_iiid_bool &&
17177       !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
17178     }{%seems to work only with 3D content
17179       /Animation~<<
17180         /Subtype/\g_mix_playtpe_tl
17181         /PlayCount~\g_mix_playcnt_tl
17182         /Speed~\g_mix_playspd_tl
17183       >>
17184     }
17185     \bool_if:nT{
17186       \g_mix_iiid_bool && (
17187         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
17188       )
17189     }{/View~\l_mix_dfltview_tl}
17190   /Presentation~<<
17191     /Transparent~\g_mix_transp_tl
17192     \bool_if:NTF\g_mix_opt_windowed_bool{
17193       /Style/Windowed
17194       /Window~<<
17195         /Width~<</Default~\tl_mix_fltwd>>
17196         /Height~<</Default~\tl_mix_fltht>>
17197       /Position~<<
17198         /Hoffset~0/Voffset~0
17199         \str_case_e:nnF{\g_mix_winpos_tl}{
17200           {tl}{VAlign/Near/HAlign/Near}
17201           {cl}{VAlign/Center/HAlign/Near}
17202           {bl}{VAlign/Far/HAlign/Near}
17203           {bc}{VAlign/Far/HAlign/Center}
17204           {br}{VAlign/Far/HAlign/Far}
17205           {cr}{VAlign/Center/HAlign/Far}
17206           {tr}{VAlign/Near/HAlign/Far}

```



```

17207         {tc}{/VAlign/Near/HAlign/Center}
17208     }{/HAlign/Center/VAlign/Center}
17209     >>
17210     >>
17211     }{
17212     /Style/Embedded
17213     }
17214     \bool_if:NTF\g_mix_iiid_bool{
17215     /Toolbar~\g_mix_tools_tl
17216     /NavigationPane~\g_mix_nav_tl
17217     }{
17218     /PassContextClick~\g_mix_contextclick_tl
17219     }
17220     >>
17221     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
17222     >>
17223     /Deactivation~<</Condition\g_mix_deact_tl>>
17224     }
17225     \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
17226     \tl_if_empty:NF\g_mix_usrlabel_tl{
17227     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
17228     }
17229     % #1:width, #2:height, #3:depth, #4:content (key-value)
17230     \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
17231     /Subtype/RichMedia
17232     /F~4
17233     /BS~<</W~0/S/S>>
17234     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
17235     /NM~(\g_mix_label_tl)
17236     /AP~<</N~\g_mix_appearance_tl>>
17237     /RichMediaSettings~\l_mix_settings_tl
17238     /RichMediaContent~\l_mix_content_tl
17239     }
17240     \tl_if_empty:NF\g_mix_usrlabel_tl{
17241     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
17242     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
17243     \noexpand\the\g@mix@page@int}
17244     }
17245     \mix_pdfobj:nnn{}{dict}{
17246     /S/JavaScript/JS~(
17247     try{
17248     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
17249     if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
17250     annotRM['\g_mix_label_tl']=
17251     this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
17252     }
17253     \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
17254     if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
17255     var~ocgs=this.getOCGs(this.pageNum);
17256     for(var~i=0;i<ocgs.length;i++){
17257     if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
17258     var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
17259     }
17260     }

```



```

17261     }
17262     if(
17263         !annotRM['\g_mix_label_tl'].activated&&(
17264             app.viewerType=='Reader' ||
17265             app.viewerType=='Exchange' ||
17266             app.viewerType=='Exchange-Pro'
17267         )&&app.viewerVersion>=9
17268     ){
17269         ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
17270     }
17271     }
17272     }catch(e){}
17273     this.dirty=false;
17274 )
17275 }
17276 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
17277     /Subtype/Widget
17278     /FT/Btn/Ff-65537/F~2
17279     /BS~<</W~0>>
17280     /T~(fd@\g_mix_label_tl)
17281     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
17282 }
17283 \mix_appendtofields:n{\mix_pdflastann:}
17284 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
17285 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
17286     \hbox_to_wd:nn{\g_mix_wd_tl}{
17287         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
17288     }
17289 }{%insert play button overlay
17290     \mix_insert_btnocg: %create OCG
17291     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
17292     \group_begin:
17293     \cs_if_exist:NT\textdir{\textdir TLT}
17294     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
17295     \box_move_down:nn{\g_mix_dp_tl}{
17296         \hbox_to_wd:nn{\g_mix_wd_tl}{
17297             \vbox_to_ht:nn{\g_mix_tt_tl}{
17298                 \vss
17299                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
17300                 \box_use:N\l_mix_pbtn_box
17301                 \ocgbase_oc_emc:
17302             }
17303         }
17304     }
17305     \group_end:
17306 }
17307 \int_gincr:N\g_mix_rmcnt_int
17308 }
17309 \mix_endLTR:
17310 \group_end:
17311 }
17312 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
17313 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
17314

```



```

17315 \RenewDocumentCommand\mediabutton{0{m}}{#1 options, #2 normal button text
17316 \mix_uriend:
17317 \group_begin:
17318 \mix_beginLTR:
17319 \mode_leave_vertical:
17320 %reset various variables
17321 \tl_gclear:N\g_mix_overbtn_tl
17322 \tl_gclear:N\g_mix_downbtn_tl
17323 \tl_gclear:N\g_mix_btnactions_tl
17324 \tl_gclear:N\g_mix_tooltip_tl
17325 %process options
17326 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
17327 \mix_uribegin: %treat URI characters correctly
17328 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
17329 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
17330 \mix_uriend:
17331 %normal button appearance
17332 %\hbox_set:Nn\l_mix_poster_box{#2}
17333 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
17334 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
17335 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
17336 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
17337 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
17338 \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
17339 \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
17340 \mix_pdfxform:n{\l_mix_poster_box}
17341 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
17342 %insert widget annotation
17343 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
17344 /Subtype/Widget
17345 /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
17346 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
17347 /FT/Btn/Ff-65536
17348 \tl_if_empty:NF\g_mix_downbtn_tl{/H/I}{/H/P}
17349 /AP~<<
17350 /N~\g_mix_normalbtn_tl
17351 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
17352 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
17353 >>
17354 /MK~<<<
17355 /TP~1~/IF~<</S/A/FB~true/A~[0.0-0.0]>>
17356 /I~\g_mix_normalbtn_tl
17357 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
17358 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
17359 >>
17360 /A~<<
17361 /S/JavaScript/JS~(app.focusRect=false;)
17362 %sequence of actions to perform
17363 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
17364 >>
17365 }
17366 \mix_appendtofields:n{\mix_pdflastann:}
17367 \hbox_to_wd:nn{\width}{
17368 \vrule-width~\c_zero_dim-height~\height-depth~\depth\hss

```



```

17369 }
17370 \int_gincr:N\g_mix_mbtncnt_int
17371 }
17372 \mix_endLTR:
17373 \group_end:
17374 }
17375 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
17376 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
17377

```

116 File memoir-xetex-bidi.def

```

17378 \ProvidesFile{memoir-xetex-bidi.def}[2025/01/03 v0.7 bidi adaptations for memoir class for
17379 \renewcommand{\keepthetitle}{%
17380 \@bsmtitleempty
17381 \global\let\thanks\relax
17382 \global\let\LTRthanks\relax
17383 \global\let\RTLthanks\relax
17384 \global\let\and\relax
17385 \global\let\andnext\relax
17386 \global\let\@thanks\@empty
17387 \global\let\@title\@empty
17388 \global\let\@author\@empty
17389 \global\let\@date\@empty}
17390 \renewcommand{\maketitle}{\par
17391 \beginingroup
17392 \@bsmarkseries
17393 \def\@makefnmark{\@textsuperscript{%
17394 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
17395 \long\def\@makefntext##1{\makethanksmark ##1}
17396 \if@twocolumn
17397 \ifnum \col@number=\@one
17398 \@maketitle
17399 \else
17400 \twocolumn[\@maketitle]%
17401 \fi
17402 \else
17403 \ifdim\pagetotal>\z@
17404 \newpage
17405 \fi
17406 \global\@topnum\z@
17407 \@maketitle
17408 \fi
17409 \thispagestyle{title}\@thanks
17410 \endgroup
17411 \@bscontmark % \setcounter{footnote}{0}%
17412 }
17413 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
17414 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
17415 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
17416 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
17417 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
17418 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
17419 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}

```



```

17420 \renewcommand*{\thesubsection}{%
17421         \thesection\@SepMark\@arabic\c@subsection}
17422 \renewcommand*{\thesubsubsection}{%
17423         \thesubsection\@SepMark\@arabic\c@subsubsection}
17424 \renewcommand*{\theparagraph}{%
17425         \thesubsubsection\@SepMark\@arabic\c@paragraph}
17426 \renewcommand*{\thesubparagraph}{%
17427         \theparagraph\@SepMark\@arabic\c@subparagraph}
17428 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
17429 \renewcommand{\theequation}{%
17430     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
17431 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
17432 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
17433 \ifartopt
17434     \chapterstyle{article}
17435     \counterwithout{figure}{chapter}
17436     \counterwithout{table}{chapter}
17437     \counterwithout{footnote}{chapter}
17438     \counterwithout{equation}{chapter}
17439     \renewcommand{\chaptername}{}
17440     \renewcommand{\maketitlehookb}{%
17441         \vskip -1.5\topsep\vskip -1.5\partopsep}
17442     \renewcommand{\maketitlehookc}{%
17443         \vskip -1.5\topsep\vskip -1.5\partopsep}
17444 \fi
17445 \long\def\@makecaption#1#2{\let\@memtempa\relax
17446     \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
17447     \else \def\@memtempa{\vbox to\topskip{}}\fi
17448     \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
17449     \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
17450     \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
17451     \let\footnote\@contfnote
17452     \let\footnotemark\@contfmark
17453     \ifdim\wd\@tempboxa<\linewidth \centering \fi
17454     \if@contcw
17455         \centering
17456         \parbox{\@contcwidth}{%
17457             \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
17458         }
17459     \ifdim\wd\@tempboxa<\linewidth
17460         \@contpre
17461         {\@contnfont #1\@contdelim}\@memtempa
17462         {\@contcshortstyle \@conttfont #2\@contfinal\par}
17463     \else
17464         \if@conthang
17465             \sbox\@tempboxa{\@contnfont #1\@contdelim}
17466             \@contpre%
17467             {\@contcstyle\hangindent=\wd\@tempboxa
17468                 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
17469         \else
17470             \if@contindent
17471                 \@contpre%
17472                 {\@contnfont #1\@contdelim}\@memtempa
17473                 {\@contcstyle\hangindent=\@contindw

```



```

17474         \hangafter=\@ne\@conttfont #2\@contfinal\par}% <- v1.4
17475     \else
17476         \@contpre%
17477         {\@contnfont #1\@contdelim}\@memtempa
17478         {\@contcstyle \@conttfont #2\@contfinal\par}
17479     \fi
17480 \fi
17481 \fi
17482 \@contpost
17483 \if@contcw
17484     \par
17485 } % end of the \parbox
17486 \fi
17487 \vskip\belowcaptionskip}
17488 \ApplyPatchCodeToPackage{caption}{%
17489 \AtBeginPackage{caption}{
17490 \ClassWarningNoLine{memoir}{%
17491 You are using the caption package with the memoir \MessageBreak
17492 class. This may cause unexpected or inconsistent \MessageBreak
17493 results if you use any of memoir's captioning facilities}
17494
17495 \long\def\@makecaption##1##2{%
17496     \vskip\abovecaptionskip
17497     \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
17498     \ifdim \wd\@tempboxa >\hsize
17499         \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
17500     \else
17501         \global \@minipagefalse
17502         \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
17503     \fi
17504     \vskip\belowcaptionskip}
17505
17506 \def\caption{%
17507     \ifx\@capttype\undefined
17508         \@latex@error{\noexpand\caption outside float}\@ehd
17509         \expandafter\@gobble
17510     \else
17511         \refstepcounter\@capttype
17512         \expandafter\@firstofone
17513     \fi
17514     {\@dblarg{\@caption\@capttype}}%
17515 }
17516
17517 \long\def\@caption##1[##2]##3{%
17518     \par
17519     \addcontentsline{\csname ext@##1\endcsname}{##1}%
17520     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
17521     \begingroup
17522         \@parboxrestore
17523         \if@minipage
17524             \setminipage
17525         \fi
17526         \normalsize
17527         \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par

```




```

17528 \endgroup}
17529 }}
17530 \renewenvironment{thebibliography}[1]{%
17531 \bibsection
17532 \ifRTL\ifLTRbibitems@RTLfalse\else\fi\else\ifRTLbibitems@RTLtrue\else\fi\fi
17533 \bidi@thebibliography@font@hook%
17534 \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

117 File midfloat-xetex-bidi.def

```

17535 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
17536 \def\RTL@outputdblcol{%
17537 \if@firstcolumn
17538 \global \@firstcolumnfalse
17539 \global\setbox\@leftcolumn\copy\@outputbox
17540 \splitmaxdepth\maxdimen
17541 \vbadness\maxdimen
17542 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
17543 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
17544 \toks@\expandafter{\topmark}%
17545 \xdef\@firstcoltopmark{\the\toks@}%
17546 \toks@\expandafter{\splitfirstmark}%
17547 \xdef\@firstcolfirstmark{\the\toks@}%
17548 \ifx\@firstcolfirstmark\@empty
17549 \global\let\@setmarks\relax
17550 \else
17551 \gdef\@setmarks{%
17552 \let\firstmark\@firstcolfirstmark
17553 \let\topmark\@firstcoltopmark}%
17554 \fi
17555 \global\c@colht\@colht\global\c@advipersep\z@
17556 \ifnum\j@o@sk>0
17557 \remove@strip\j@o@sar
17558 \global\@colht\the\j@o@pr
17559 \ifdim\right@cor>\z@
17560 \global\advance\@colht by\right@cor
17561 \fi
17562 \global\advance\@colht by\cor@height
17563 \global\cor@height=0pt
17564 \fi
17565 \global\setbox\@rightcolumn\vbox{}%
17566 \else
17567 \ifdim\c@colht>\@colht
17568 \@tempdima\@colht
17569 \ifdim\@colht>\z@
17570 \global\setbox\@rightcolumn\vbox{%
17571 \unvbox\@rightcolumn
17572 \vbox to\@tempdima{%
17573 \vskip\c@advipersep\unvbox\@outputbox}%
17574 \vskip\stripsep
17575 \vrule height\the\j@o@ht width 0pt depth 0pt
17576 \vskip\stripsep
17577 }%
17578 \global\c@advipersep@m@advipersep

```



```

17579         \else
17580         \global\setbox\@rightcolumn \vbox{%
17581             \unvbox\@rightcolumn
17582             \vrule height\the\jua@ht width Opt depth Opt
17583             \vskip\stripsep
17584         }%
17585     \fi
17586     \ifnum\jua@sk>0
17587         \remove@strip\jua@sar
17588         \global\@colht\the\jua@pr
17589         \global\advance\@colht by -\ht\@rightcolumn
17590         \global\advance\@colht by\cor@height
17591         \global\cor@height=Opt
17592     \else
17593         \global\advance\c@colht by-\ht\@rightcolumn
17594         \global\@colht\c@colht
17595     \fi
17596 \else
17597 \global\@firstcolumntrue
17598 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
17599     \unvbox\@rightcolumn
17600     \vskip\c@addvipersep
17601     \unvbox\@outputbox
17602 }%
17603 \setbox\@outputbox \vbox {%
17604     \hb@xt@\textwidth {%
17605         \hskip \columnwidth
17606         \hfil
17607         \vrule \@width\columnseprule
17608         \hfil
17609         \hb@xt@\columnwidth {%
17610             \bidi@firstcolumn@status@write%
17611             \box\@leftcolumn \hss}%
17612         \hskip-\textwidth
17613         \hb@xt@\columnwidth {%
17614             \bidi@lastcolumn@status@write%
17615             \box\@outputbox \hss}%
17616         \hskip\columnwidth
17617         \hskip\columnsep}%
17618     }%
17619 \@combinedblfloats
17620 \@setmarks
17621 \@outputpage
17622 \begingroup
17623     \@dblfloatplacement
17624     \@startdblcolumn
17625     \@whilesw\if@fcolmade \fi
17626     {\@outputpage
17627     \@startdblcolumn}%
17628 \endgroup
17629 \global\jua@sk=0\global\jua@sar={}%
17630 \global\cor@height\z@\global\c@addvipersep\z@
17631 \fi
17632 \fi

```



```

17633 }
17634
17635
17636 \def\LTR@outputdblcol{%
17637   \if@firstcolumn
17638     \global \@firstcolumnfalse
17639     \global\setbox\@leftcolumn\copy\@outputbox
17640     \splitmaxdepth\maxdimen
17641     \vbadness\maxdimen
17642     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
17643     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
17644     \toks@\expandafter{\topmark}%
17645     \xdef\@firstcoltopmark{\the\toks@}%
17646     \toks@\expandafter{\splitfirstmark}%
17647     \xdef\@firstcolfirstmark{\the\toks@}%
17648     \ifx\@firstcolfirstmark\@empty
17649       \global\let\@setmarks\relax
17650     \else
17651       \gdef\@setmarks{%
17652         \let\firstmark\@firstcolfirstmark
17653         \let\topmark\@firstcoltopmark}%
17654     \fi
17655     \global\c@colht\@colht\global\c@advipersep\z@
17656     \ifnum\j@o@sk>0
17657       \remove@strip\j@o@sar
17658       \global\@colht\the\j@o@pr
17659       \ifdim\right@cor>\z@
17660         \global\advance\@colht by\right@cor
17661       \fi
17662       \global\advance\@colht by\cor@height
17663       \global\cor@height=0pt
17664     \fi
17665     \global\setbox\@rightcolumn\vbox{}%
17666   \else
17667     \ifdim\c@colht>\@colht
17668       \@tempdima\@colht
17669       \ifdim\@colht>\z@
17670         \global\setbox\@rightcolumn\vbox{%
17671           \unvbox\@rightcolumn
17672           \vbox to\@tempdima{%
17673             \vskip\c@advipersep\unvbox\@outputbox}%
17674           \vskip\stripsep
17675           \vrule height\the\j@o@ht width 0pt depth 0pt
17676           \vskip\stripsep
17677         }%
17678         \global\c@advipersep\m@advipersep
17679       \else
17680         \global\setbox\@rightcolumn\vbox{%
17681           \unvbox\@rightcolumn
17682           \vrule height\the\j@o@ht width 0pt depth 0pt
17683           \vskip\stripsep
17684         }%
17685     \fi
17686     \ifnum\j@o@sk>0

```



```

17687         \remove@strip\juo@sar
17688         \global\@colht\the\juo@pr
17689         \global\advance\@colht by -\ht\@rightcolumn
17690         \global\advance\@colht by\cor@height
17691         \global\cor@height=0pt
17692     \else
17693         \global\advance\c@colht by-\ht\@rightcolumn
17694         \global\@colht\c@colht
17695     \fi
17696 \else
17697 \global\@firstcolumntrue
17698 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
17699     \unvbox\@rightcolumn
17700     \vskip\c@addvipersep
17701     \unvbox\@outputbox
17702     }%
17703 \setbox\@outputbox \vbox {%
17704     \hb@xt@\textwidth {%
17705         \hb@xt@\columnwidth {%
17706             \bidi@firstcolumn@status@write%
17707             \box\@leftcolumn \hss}%
17708         \hfil
17709         \vrule \@width\columnseprule
17710         \hfil
17711         \hb@xt@\columnwidth {%
17712             \bidi@lastcolumn@status@write%
17713             \box\@outputbox \hss}%
17714         }%
17715     }%
17716 \@combinedblfloats
17717 \@setmarks
17718 \@outputpage
17719 \begingroup
17720 \@dblfloatplacement
17721 \@startdblcolumn
17722 \@whiles\if@fcolmade \fi
17723     {\@outputpage
17724     \@startdblcolumn}%
17725 \endgroup
17726 \global\juo@sk=0\global\juo@sar={}%
17727 \global\cor@height\z@\global\c@addvipersep\z@
17728 \fi
17729 \fi
17730 }
17731
17732
17733 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
17734 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\f
17735     \hsize\textwidth
17736     \@parboxrestore
17737     \col@number \@ne
17738     \vrule height\topskip width0pt depth0pt
17739 }
17740

```



```

17741 \def\endstrip{%
17742     \egroup\egroup
17743     \if@firstcolumn
17744         \ifdim\pagetotal>\z@
17745             \vskip\stripsep
17746             \global\ht@strip\pagegoal
17747             \global\advance\ht@strip by-\pagetotal
17748             \global\advance\ht@strip by-\stripsep
17749             \global\advance\ht@strip by-\ht@viper
17750             \global\advance\ht@strip by-\stripsep
17751             \global\juo@ht=\ht@viper
17752         \else
17753             \global\ht@strip\z@
17754         \fi
17755     \ifdim\ht@strip>\z@
17756         \unvbox@viper
17757         \vskip\stripsep
17758         \add@strip{\the\pagetotal}{\the\juo@ht}{\the\@tempdima}{\the\@tempdimb}%
17759         \global\advance\juo@sk by1
17760     \else
17761         \@latex@error{Strip needs more place!}\@ehc
17762     \if@vihproof
17763         \framebox[\columnwidth]{??? Strip ???}%
17764     \fi
17765 \fi
17766 \else
17767     \@latex@error{Strip is used only on left column!}\@ehc
17768     \if@vihproof
17769         \framebox[\columnwidth]{??? Strip ???}%
17770     \fi
17771 \fi
17772 }

```

118 File minitoc-xetex-bidi.def

```

17773 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package
17774 \def\@undottedtocline#1#2#3#4#5{%
17775     \ifnum #1>\c@tocdepth\relax \else
17776         \vskip \z@ plus.2\p@
17777         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
17778         \parindent #2\relax\@afterindenttrue
17779         \interlinepenalty\@M
17780         \leavevmode
17781         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}}%
17782         \hskip -\if@RTL\righskip\else\leftskip\fi
17783         #4\nobreak\hfill \nobreak
17784         \null\par}%
17785     \fi}
17786 \def\@Undottedtocline#1#2#3#4#5{%
17787     \ifnum #1>\c@tocdepth\relax \else
17788         \vskip \z@ \@plus.2\p@
17789         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
17790         \parindent #2\relax\@afterindenttrue
17791         \interlinepenalty\@M

```



```

17792 \leavevmode
17793 \@tempdima #3\relax
17794 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
17795 {\coffeefont #4}\nobreak \nobreak\null
17796 \par}%
17797 \fi}
17798 \def\@Undottedtoclinep#1#2#3#4#5{%
17799 \ifnum #1>\c@tocdepth\relax \else
17800 \vskip \z@ \@plus.2\p@
17801 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@toctrm
17802 \parindent #2\relax\@afterindenttrue
17803 \interlinepenalty\@M
17804 \leavevmode
17805 \@tempdima #3\relax
17806 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
17807 {#4}\nobreak \hfill \nobreak\null
17808 \hbext@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
17809 \par}%
17810 \fi}

```

119 File multicol-xetex-bidi.def

```

17811 \ProvidesFile{multicol-xetex-bidi.def}[2022/07/10 v1.4 bidi adaptations for multicol package]
17812 \def\page@sofar{%
17813 \process@cols\mult@rightbox
17814 {\ifvoid\count@
17815 \setbox\count@\hbox to\hsize{}}%
17816 \else
17817 \wd\count@\hsize
17818 \fi}%
17819 \count@\col@number \advance\count@\m@ne
17820 \mult@info\z@
17821 {Column spec: \the\full@width\space = indent
17822 + columns + sep =\MessageBreak
17823 \the\multicol@leftmargin\space
17824 + \the\col@number\space
17825 x \the\hsize\space
17826 + \the\count@\space
17827 x \the\columnsep
17828 }%
17829 \ifvmode\else\errmessage{Multicol Error}\fi
17830 \nointerlineskip
17831 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
17832 \moveright\multicol@leftmargin
17833 \hbox to\full@width{%
17834 \bidi@multicol@align@columns
17835 \rlap{\phantom p}}%
17836 }%
17837 \prevdepth\z@
17838 \kern-\dimen\tw@
17839 \ifdim\dimen\tw@ > \mc@gridwarn
17840 \PackageWarning{multicol}%
17841 {Very deep columns!\MessageBreak
17842 Grid alignment might be broken}%

```



```

17843 \fi
17844 }
17845 \def\LTR@column@boxes{%
17846   \process@cols\mult@firstbox{%
17847     \ifdim\dp\count@>\dimen\tw@
17848       \global\dimen\tw@\dp\count@ \fi
17849     \mc@col@status@write
17850     \box\count@
17851     \hss{\columnseprulecolor\vrule
17852       \@width\columnseprule}\hss}%
17853   \ifdim\dp\mult@rightbox>\dimen\tw@
17854     \global\dimen\tw@\dp\mult@rightbox \fi
17855   \mc@lastcol@status@write
17856   \box\mult@rightbox
17857 }
17858
17859 \def\RTL@column@boxes{%
17860   \process@cols\mult@firstbox{%
17861     \hskip\hsize
17862     \hss{\columnseprulecolor\vrule
17863       \@width\columnseprule}\hss
17864   }%
17865   \hskip\hsize
17866   \process@cols\mult@firstbox{%
17867     \ifdim\dp\count@>\dimen\tw@
17868       \global\dimen\tw@\dp\count@ \fi
17869     \hskip-\hsize
17870     \mc@col@status@write
17871     \box\count@
17872     \hskip-\hsize
17873     \hskip-\columnsep
17874   }%
17875   \ifdim\dp\mult@rightbox>\dimen\tw@
17876     \global\dimen\tw@\dp\mult@rightbox \fi
17877   \hskip-\hsize
17878   \mc@lastcol@status@write
17879   \box\mult@rightbox
17880   \hskip-\hsize
17881   \hskip\full@width
17882 }
17883
17884 \newcommand\RTLmulticolcolumns
17885   {\let\ bidi@multicol@align@columns
17886     \RTL@column@boxes}
17887 \newcommand\LTRmulticolcolumns
17888   {\let\ bidi@multicol@align@columns
17889     \LTR@column@boxes}
17890 \newcommand\ bidi@multicol@align@columns
17891   {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
17892 \ bidi@AtEndPreamble{%
17893   \if@bidi@csdef{footinsv01}{%
17894     \def\footnoterule{\kern-3\p@
17895       \hrule \@width \textwidth \kern 2.6\p@}%
17896   }-}%

```



```

17897 }
17898 \def\multicols#1{\col@number#1\relax
17899   \ifnum\col@number<\tw@
17900     \PackageWarning{multicol}%
17901       {Using ``\number\col@number'
17902         columns doesn't seem a good idea.^^J
17903         I therefore use two columns instead}%
17904     \col@number\tw@ \fi
17905   \ifnum\col@number>20
17906     \PackageError{multicol}%
17907       {Too many columns}%
17908     {Current implementation doesn't
17909     support more than 20 columns.%
17910     \MessageBreak
17911     I therefore use 20 columns instead}%
17912   \col@number20 \fi
17913   \ifx\@footnotetext\mult@footnotetext
17914   \else
17915     \let\orig@footnotetext\@footnotetext
17916     \let\@footnotetext\mult@footnotetext
17917   \fi
17918   \ifx\@LTRfootnotetext\mult@LTRfootnotetext
17919   \else
17920     \let\orig@LTRfootnotetext\@LTRfootnotetext
17921     \let\@LTRfootnotetext\mult@LTRfootnotetext
17922   \fi
17923   \ifx\@RTLfootnotetext\mult@RTLfootnotetext
17924   \else
17925     \let\orig@RTLfootnotetext\@RTLfootnotetext
17926     \let\@RTLfootnotetext\mult@RTLfootnotetext
17927   \fi
17928   \@ifnextchar[\mult@cols{\mult@cols[]}]
17929 \long\def\mult@footnotetext#1{\begingroup
17930   \hsize\textwidth
17931   \columnwidth\textwidth
17932   \orig@footnotetext{#1}\endgroup}
17933 \long\def\mult@LTRfootnotetext#1{\begingroup
17934   \hsize\textwidth
17935   \columnwidth\textwidth
17936   \orig@LTRfootnotetext{#1}\endgroup}
17937 \long\def\mult@RTLfootnotetext#1{\begingroup
17938   \hsize\textwidth
17939   \columnwidth\textwidth
17940   \orig@RTLfootnotetext{#1}\endgroup}
17941 \def\right@footnoterule{%
17942   \kern-3\p@
17943   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
17944   \kern2.6\p@}
17945 \def\textwidth@footnoterule{\kern-3\p@
17946   \hrule \@width \textwidth \kern 2.6\p@}
17947 \def\bidi@leave@mult@copyins{%
17948   \advance\dimen@-\skip\@bidi@copyins@
17949   \advance\dimen@-\ht\@bidi@copyins@
17950 }

```




```

17951
17952 \bidi@AtEndPreamble{%
17953   \if@bidi@csundef{footinsv@1}{%
17954     \bidi@patchcmd{\multi@column@out}{%
17955       \ifvbox \@kludgeins
17956     }{%
17957       \ifvoid\@bidi@copyins@ \else
17958         \bidi@leave@mult@copyins
17959       \fi
17960     \ifvbox \@kludgeins
17961     }{}{}%
17962   }{}%
17963 }
17964
17965

```

120 File multienum-xetex-bidi.def

```

17966 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum pack
17967 \renewcommand{\itemx}[1]{\parbox[t]%
17968 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17969 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
17970 \renewcommand{\itemxx}[2]{\parbox[t]%
17971 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17972 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
17973 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17974 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
17975 \renewcommand{\itemxxx}[3]{\parbox[t]%
17976 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17977 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
17978 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17979 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
17980 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17981 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
17982 \renewcommand{\itemxxxx}[4]{\parbox[t]%
17983 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17984 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
17985 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17986 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
17987 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17988 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
17989 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17990 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
17991 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
17992 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17993 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
17994 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17995 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
17996 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17997 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
17998 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17999 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
18000 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18001 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}

```



```

18002 \renewcommand{\itemxox}[2]{\parbox[t]{
18003 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18004 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
18005 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18006 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
18007 \renewcommand{\itemxox}[2]{\parbox[t]{
18008 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18009 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
18010 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18011 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
18012 \renewcommand{\itemxox}[3]{\parbox[t]{
18013 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18014 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
18015 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18016 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
18017 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18018 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
18019 \renewcommand{\itemxox}[3]{\parbox[t]{
18020 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18021 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
18022 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18023 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
18024 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18025 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
18026 \renewcommand{\itemxox}[3]{\parbox[t]{
18027 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18028 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
18029 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18030 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
18031 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18032 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

121 File natbib-xetex-bidi.def

```

18033 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package fo
18034 \renewenvironment{thebibliography}[1]{%
18035 \bibsection
18036 \parindent\z@
18037 \bibpreamble
18038 \bibfont
18039 \ifRTL\ifLTRbibitems@RTLfalse\else\fi\else\ifRTLbibitems@RTLtrue\else\fi\fi
18040 \bidi@thebibliography@font@hook%
18041 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
18042 \ifNAT@openbib
18043 \renewcommand\newblock{\par}%
18044 \else
18045 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
18046 \fi
18047 \sloppy\clubpenalty4000\widowpenalty4000
18048 \sfcode`\.\@m
18049 \let\NAT@bibitem@first@sw\@firstoftwo
18050 \let\citeN\cite \let\shortcite\cite
18051 \let\citeasnoun\cite
18052 }-%

```



```

18053 \bibitem@fin
18054 \bibpostamble
18055 \def\@noitemerr{%
18056   \PackageWarning{natbib}{Empty `thebibliography' environment}%
18057 }%
18058 \endlist
18059 \bibcleanup
18060 }%

```

122 File newfloat-xetex-bidi.def

```

18061 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
18062 \renewcommand*\newfloat@setwithin[2]{%
18063   \ifcsname c@chapter\endcsname
18064     \@removefromreset{#1}{chapter}%
18065   \fi
18066   \@removefromreset{#1}{section}%
18067   \edef\@tempa{#2}%
18068   \ifx\@tempa\@empty
18069     \def\@tempa{none}%
18070   \fi
18071   \def\@tempb{none}%
18072   \ifx\@tempa\@tempb
18073     \ifcsname c@chapter\endcsname
18074       \@chapterlistsgap@off{#1}%
18075     \fi
18076     \newfloat@@setwithin{#1}{}%
18077   \else
18078     \def\@tempb{chapter}%
18079     \ifx\@tempa\@tempb
18080       \@addtoreset{#1}{chapter}%
18081       \@chapterlistsgap@on{#1}%
18082       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
18083     \else
18084       \def\@tempb{section}%
18085       \ifx\@tempa\@tempb
18086         \@addtoreset{#1}{section}%
18087         \ifcsname c@chapter\endcsname
18088           \@addtoreset{#1}{chapter}%
18089           \@chapterlistsgap@on{#1}%
18090           \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
18091         \else
18092           \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
18093         \fi
18094       \else
18095         \newfloat@Error{Invalid value `#2' for option `within'}%
18096       \fi
18097     \fi
18098   \fi}

```

123 File nicematrix-xetex-bidi.def

```

18099 \ProvidesFile{nicematrix-xetex-bidi.def}[2024/12/15 v0.3 bidi adaptations for nicematrix package]
18100 \ExplSyntaxOn

```



```

18101 \bidi@patchcmd{\__nicematrix_array:n}{\@tabarray}{%
18102 \bool_if:NF \l__nicematrix_tabular_bool \@RTLtabfalse
18103 \@tabarray
18104 }{}{}
18105 \ExplSyntaxOff
18106

```

124 File ntheorem-xetex-bidi.def

```

18107 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
18108 \gdef\@thm#1#2#3{%
18109 \if@thmmarks
18110 \stepcounter{end\InTheoType ctr}%
18111 \fi
18112 \renewcommand{\InTheoType}{#1}%
18113 \if@thmmarks
18114 \stepcounter{curr#1ctr}%
18115 \setcounter{end#1ctr}{0}%
18116 \fi
18117 \refstepcounter{#2}%
18118 \theorem@prework
18119 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
18120 \ifvmode \advance\thm@topsepadd\partopsep\fi
18121 \trivlist
18122 \@topsep \theorem@preskipamount
18123 \@topsepadd \thm@topsepadd % used by \@endparenv
18124 \advance\linewidth -\theorem@indent
18125 \advance\@totalleftmargin \theorem@indent
18126 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
18127 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

125 File ntheorem-hyper-xetex-bidi.def

```

18128 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-
18129 \gdef\@thm#1#2#3{%
18130 \if@thmmarks
18131 \stepcounter{end\InTheoType ctr}%
18132 \fi
18133 \renewcommand{\InTheoType}{#1}%
18134 \if@thmmarks
18135 \stepcounter{curr#1ctr}%
18136 \setcounter{end#1ctr}{0}%
18137 \fi
18138 \refstepcounter{#2}%
18139 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
18140 \ifvmode \advance\thm@topsepadd\partopsep\fi
18141 \trivlist
18142 \@topsep \theorem@preskipamount
18143 \@topsepadd \thm@topsepadd % used by \@endparenv
18144 \advance\linewidth -\theorem@indent
18145 \advance\@totalleftmargin \theorem@indent
18146 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
18147 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```



126 File overpic-xetex-bidi.def

```
18148 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package
18149 \renewenvironment{overpic}[2] [] {%
18150   \sbox{\z@}{\includegraphics[#1]{#2}}%
18151   \settodepth{\@tempcnta}{\usebox{\z@}}%
18152   \settoheight{\@tempcntb}{\usebox{\z@}}%
18153   \advance\@tempcntb\@tempcnta%
18154   \settowidth{\@tempcnta}{\usebox{\z@}}%
18155   \setlength{\@tempdima}{\unitlength}%
18156   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
18157 %
18158   \OVP@calc%
18159 %
18160   \begin{picture}(\@tempcnta,\@tempcntb)%
18161     \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
18162     \ifGin@grid%
18163       \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
18164         \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
18165     \fi\fi%
18166     % reset the graphics parameter
18167     \let\Gin@outer@scalex\relax
18168     \let\Gin@outer@scaley\relax
18169     \let\Gin@angle\relax
18170     \let\Gin@ewidth\Gin@exclamation
18171     \let\Gin@eheight\Gin@ewidth
18172     \def\Gin@scalex{1}
18173     \let\Gin@scaley\Gin@exclamation
18174   }{%
18175     \ifRTL\ifGin@grid%
18176       \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
18177         \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
18178     \fi%
18179     \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
18180   \end{picture}%
18181 }%
```

127 File pdfbase-xetex-bidi.def

```
18182 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package
18183 \ExplSyntaxOn
18184 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
18185 \cs_set_nopar:Npn\@outputpage{
18186   \int_gincr:N\g_pbs_page_int
18187   \box_if_vertical:cTF{\@outputbox}{
18188     \bool_set_true:N\l_pbs_is_vertical_bool
18189   }{
18190     \bool_set_false:N\l_pbs_is_vertical_bool
18191   }
18192   \hbox_set:Nn\@outputbox{
18193     %begin of page
18194     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
18195     \box_use_drop:N\@outputbox
18196     %end of page
```



```

18197   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
18198 }
18199 \bool_if:NT\l_pbs_is_vertical_bool{
18200   \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
18201 }
18202 \pbs_outputpage_orig:
18203 }
18204 \ExplSyntaxOff

```

128 File pdfscape-xetex-bidi.def

```

18205 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape pack
18206 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
18207   \if@RTL
18208     \PLS@Rotate{-90}%
18209   \else
18210     \PLS@Rotate{90}%
18211   \fi
18212 }-{}-{}

```

129 File pgfcorescopes.code-xetex-bidi.def

```

18213 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf p
18214 \def\pgfpicture{%
18215   \begingroup%
18216   \ifmmode\else\@RTLfalse\beginL\fi%
18217   \pgfpicturetrue%
18218   \global\advance\pgf@picture@serial@count by1\relax%
18219   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
18220   \let\pgf@nodecallback=\pgfutil@gobble%
18221   \pgf@picmaxx=-16000pt\relax%
18222   \pgf@picminx=16000pt\relax%
18223   \pgf@picmaxy=-16000pt\relax%
18224   \pgf@picminy=16000pt\relax%
18225   \pgf@relevantforpicturesizetrue%
18226   \pgf@resetpathsizes%
18227   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
18228 \def\endpgfpicture{%
18229   \ifpgfrememberpicturepositiononpage%
18230     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
18231   \fi%
18232   % ok, now let's position the box
18233   \ifdim\pgf@picmaxx=-16000pt\relax%
18234     % empty picture. make size 0.
18235     \global\pgf@picmaxx=0pt\relax%
18236     \global\pgf@picminx=0pt\relax%
18237     \global\pgf@picmaxy=0pt\relax%
18238     \global\pgf@picminy=0pt\relax%
18239   \fi%
18240   % Shift baseline outside:
18241   \pgf@relevantforpicturesizefalse%
18242   \pgf@process{\pgf@baseline}%
18243   \xdef\pgf@shift@baseline{\the\pgf@y}%
18244   %

```



```

18245         \pgf@process{\pgf@trimleft}%
18246         \global\advance\pgf@x by-\pgf@picminx
18247         % prepare \hskip\pgf@trimleft@final.
18248         % note that \pgf@trimleft@final is also queried
18249         % by the pgf image externalization.
18250         \xdef\pgf@trimleft@final{-\the\pgf@x}%
18251         %
18252         \pgf@process{\pgf@trimright}%
18253         \global\advance\pgf@x by-\pgf@picmaxx
18254         % prepare \hskip\pgf@trimright@final.
18255         % note that \pgf@trimright@final is also queried
18256         % by the pgf image externalization.
18257         \xdef\pgf@trimright@final{\the\pgf@x}%
18258     %
18259     \pgf@remember@layerlist@globally
18260     \endgroup%
18261     \hss%
18262     \egroup%
18263     \pgf@restore@layerlist@from@global
18264     \pgf@insertlayers%
18265     \endgroup%
18266     \pgfsys@discardpath%
18267     \endgroup%
18268     \pgfsys@endscope%
18269     \pgfsys@endpicture%
18270     \endgroup%
18271     \hss
18272     \egroup%
18273     \pgfsys@typesetpicturebox\pgfpic%
18274     \ifmmode\else\endL\fi%
18275     \endgroup%
18276 }

```

130 File `pgfsys-xetex-bidi.def`

```

18277 \ProvidesFile{pgfsys-xetex-bidi.def}[2025/01/05 v0.1 bidi adaptations for pgfsys package fo
18278 \def\pgfsys@shadingoutsidepgfpicture#1{%
18279     \beginL#1\endL%
18280 }
18281
18282

```

131 File `picinpar-xetex-bidi.def`

```

18283 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar packag
18284 \long\def\@makewincaption#1#2{%
18285     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
18286     \ifdim\wd\@tempboxa>\picwd
18287         {\footnotesize{\bf #1:\enspace}{#2\par}}
18288     \else
18289         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
18290     \fi}
18291 \def\endwindow{%
18292     \global\tcd=\tcdsav

```



```

18293 \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
18294 \vbadness=10000
18295 \splittopskip=0pt
18296 %
18297 % Typeset the lines above the window
18298 %
18299 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
18300 \tcn=\tcd
18301 \loop\advance\tcn -1
18302 \setbox\fslice=\vsplit\holder to\baselineskip
18303 \prune\fslice\linewidth
18304 \topheight=0pt
18305 \ifnum\dp\fslice>\dp\wstrutbox
18306 \advance\topheight-\dp\fslice
18307 \advance\topheight\dp\wstrutbox
18308 \advance\topheight\ilg\fi
18309 \hbox to\linewidth{\box\fslice}
18310 \vskip-\topheight
18311 \ifdim\ht\holder>0pt\repeat
18312 \fi
18313 %
18314 % Now we build the boxes beside the window
18315 %
18316 \global\topheight=\tcl\baselineskip
18317 \ifnum\cumpartcl>0\global\tcl=\cumtcl
18318 \global\topheight=\vpic
18319 \fi
18320 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
18321 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
18322 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
18323 \tcn=\tcl \na=0 \nb=0
18324 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
18325 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
18326 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
18327 \ifnum\na=0\ifnum\nb=0
18328 \setbox\waslice=\vbox to\vpic{\vss}
18329 \setbox\wbslice=\vbox to\vpic{\vss}
18330 \bl=1\br=1
18331 \vskip\ilg
18332 \fi\fi
18333 %
18334 % both sides
18335 %
18336 \ifnum\na>0 \ifnum\nb>0
18337 \loop\advance\nb -1
18338 \advance\na -1
18339 \if@RTL%
18340 \setbox\bslice=\vsplit\holder to\baselineskip
18341 \prune\bslice\rtside
18342 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
18343 to\rtside{\box\bslice\hfil}}
18344 \setbox\aslice=\vsplit\holder to\baselineskip
18345 \prune\aslice\lftside
18346 \setbox\waslice=\vbox{\unvbox\waslice\hbox

```




```

18347 to\lftside{\box\aslice\hfil}}
18348 \else%
18349 \setbox\aslice=\vsplit\holder to\baselineskip
18350 \prune\aslice\lftside
18351 \setbox\waslice=\vbox{\unvbox\waslice\hbox
18352 to\lftside{\box\aslice\hfil}}
18353 \setbox\bslice=\vsplit\holder to\baselineskip
18354 \prune\bslice\rtside
18355 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
18356 to\rtside{\box\bslice\hfil}}
18357 \fi%
18358 \ifnum\nb>0\repeat
18359 \fi\fi
18360 %
18361 % only text on the left side
18362 %
18363 \ifnum\na>0
18364   \loop\advance\na -1
18365   \setbox\aslice=\vsplit\holder to\baselineskip
18366   \prune\aslice\lftside
18367   \setbox\waslice=\vbox{\unvbox\waslice\hbox
18368   to\lftside{\box\aslice\hfil}}
18369   \ifdim\ht\holder>0pt\repeat
18370 \fi
18371 %
18372 % only text on the right side
18373 %
18374 \ifnum\nb>0
18375   \loop\advance\nb -1
18376   \setbox\bslice=\vsplit\holder to\baselineskip
18377   \prune\bslice\rtside
18378   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
18379   to\rtside{\box\bslice\hfil}}
18380   \ifdim\ht\holder>0pt\repeat
18381 \fi
18382 %
18383 % fixing the dimensions of the window part
18384 %
18385 \ifnum\bl=0\topheight=\ht\wbslice
18386 \else\ifnum\br=0\topheight=\ht\waslice
18387   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
18388   \else\topheight=\ht\wbslice\fi\fi\fi
18389 %
18390 % ship out the window material to the main vertical list
18391 %
18392 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
18393 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
18394 \fi\fi\fi
18395 \setbox>windowbox=\vbox{\hbox to\linewidth{%
18396 \ifnum\bl>0\box\waslice\hfill\fi%
18397 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
18398 \vfill\unvbox\picbox%
18399 \ifnum\picwd>0\vfill\fi%
18400 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%

```



```

18401 \unvbox\windowbox%
18402 \loop
18403 \setbox\bslice=\vsplit\rawtext to\baselineskip
18404 \prune\bslice\linewidth
18405 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
18406 \unvbox\wbslice
18407 \ifdim\ht\rawtext>0pt
18408 \repeat
18409 }% FINITO

```

132 File plain-xetex-bidi.def

```

18410 \def\TeXeTOn{\TeXeTstate=1 }
18411 \def\TeXeTOff{\TeXeTstate=0 }
18412 \TeXeTOn
18413 \def\usebox#1{\leavevmode\copy #1\relax}
18414 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\useb
18415 \let\bidi@o@everypar=\everypar
18416 \newtoks\bidi@n@everypar
18417 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
18418 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
18419 \let\everypar=\bidi@n@everypar
18420 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
18421 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
18422 \protected\def\hboxR{\hbox\bgroup
18423 \everyhbox{%
18424 \aftergroup\egroup
18425 \everyhbox{}}%
18426 \beginR
18427 \@hboxRconstructtrue
18428 \bgroup
18429 \aftergroup\endR
18430 \aftergroup\egroup
18431 }\hbox}
18432 \protected\def\hboxL{\hbox\bgroup
18433 \everyhbox{%
18434 \aftergroup\egroup
18435 \everyhbox{}}%
18436 \beginL
18437 \@hboxRconstructfalse
18438 \bgroup
18439 \aftergroup\endL
18440 \aftergroup\egroup
18441 }\hbox}
18442 \protected\def\vboxR{\vbox\bgroup
18443 \everyvbox{%
18444 \aftergroup\egroup
18445 \everyvbox{}}%
18446 \@RTLtrue
18447 \bgroup
18448 \aftergroup\egroup
18449 }\vbox}
18450 \protected\def\vboxL{\vbox\bgroup
18451 \everyvbox{%

```



```

18452 \aftergroup\egroup
18453 \everyvbox{}%
18454 \@RTLfalse
18455 \bgroup
18456 \aftergroup\egroup
18457 }\vbox}
18458 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
18459 \def\endLTR{\par}
18460 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
18461 \def\endRTL{\par}
18462 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
18463 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
18464 \let\unsetRTL=\setLTR
18465 \let\unsetLTR=\setRTL
18466 \let\LR=\LRE
18467 \let\RL=\RLE
18468 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
18469 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
18470 \let\@ensure@RL=\@ensure@RTL
18471 \let\@ensure@LR=\@ensure@LTR
18472 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
18473 \let\@ensure@maindir=\@ensure@dir
18474 \def\@RTL{RTL}
18475 \def\@LTR{LTR}
18476 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
18477 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
18478 \let\@TeX\TeX
18479 \def\TeX{\@ensure@LTR{\@TeX}}
18480 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi}
18481 \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
18482 \ifvoid\footins\else % footnote info is present
18483 \vskip\skip\footins
18484 \footnoterule
18485 \unvbox\footins\fi
18486 \if@ggedbottom \kern-\dimen@ \vfil \fi
18487 \ifvoid\@bidi@copyins@
18488 \else
18489 \vskip\skip\@bidi@copyins@
18490 \unvbox\@bidi@copyins@
18491 \fi
18492 }
18493 \long\def\bidi@reflect@box#1{%
18494 \leavevmode
18495 \setbox\z@\hbox{{#1}}%
18496 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
18497 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
18498 }
18499 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
18500 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
18501 \let\setRL=\setRTL
18502 \let\setLR=\setLTR
18503 \let\unsetRL=\setLTR
18504 \let\bidi@samed@eqno=\eqno
18505 \let\bidi@samed@leqno=\leqno

```



```

18506 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
18507 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
18508 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
18509 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
18510 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

133 File pstricks-xetex-bidi.def

```

18511 \ProvidesFile{pstricks-xetex-bidi.def}[2025/01/08 v0.7 bidi adaptations for pstricks package]
18512 \bidi@patchcmd\pspicture\beginRgroup{%
18513   \beginRgroup
18514     \ifmmode
18515       \else
18516         \@RTLfalse
18517         \beginL
18518       \fi
18519 }{\bidi@warningnoline{Oops! patching '\string\pspicture' failed}}
18520
18521 \bidi@patchcmd\endRpicture{%
18522   \endRgroup
18523   \psset[pstricks]{shift=0}% reset value
18524 }{%
18525   \ifmmode
18526     \else
18527       \endL
18528     \fi
18529   \endRgroup
18530   \psset[pstricks]{shift=0}% reset value
18531 }{\bidi@warningnoline{Oops! patching '\string\endRpicture' failed}}
18532
18533 \bidi@patchcmd@@@scalebox{%
18534   \special{x: bscale \pst@tempc \pst@tempd}%
18535   \hbox to \z@{\box\pst@hbox\hss}%
18536   \special{x: escale}%
18537 }{%
18538   \if@RTL
18539     \special{x: escale}%
18540   \else
18541     \special{x: bscale \pst@tempc \pst@tempd}%
18542   \fi
18543   \hbox to \z@{\box\pst@hbox\hss}%
18544   \if@RTL
18545     \special{x: bscale \pst@tempc \pst@tempd}%
18546   \else
18547     \special{x: escale}%
18548   \fi
18549 }{\bidi@warningnoline{Oops! patching '\string@@@scalebox' failed}}
18550 \let\ps@@@scalebox@@@scalebox
18551

```

134 File quotchap-xetex-bidi.def

```

18552 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
18553 \renewcommand{\qauthor}[1]{%

```



```

18554 \par\smallskip
18555 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{\par}\bigskip}
18556 \renewcommand{\@makechapterhead}[1]{\chapterheadstart\vskip%
18557 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
18558 {\chapnumfont
18559 \ifnum \c@secnumdepth >\m@ne%
18560 \if@mainmatter\thechapter%
18561 \fi\fi
18562 \par\nobreak}%
18563 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi
18564 \nobreak\chapterheadend\vskip}}
18565 \renewcommand*{\@iprintcites}{%
18566 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
18567 \global\let\@printcites\relax}

```

135 File ragged2e-xetex-bidi.def

```

18568 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
18569 \renewcommand{\Centering}{%
18570 \ifx\\ \@raggedtwo@savedcr
18571 \let\\ \@centercr
18572 \fi
18573 \let\@gnewline\@raggedtwo@gnewline
18574 \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
18575 \@rightskip\CenteringRightskip
18576 \if@RTL\leftskip\else\rightskip\fi\@rightsip
18577 \parfillskip\CenteringParfillskip
18578 \parindent\CenteringParindent
18579 \@raggedtwo@spaceskiptrue
18580 \@raggedtwo@everyselectfont
18581 }
18582 \renewcommand{\RaggedLeft}{%
18583 \ifx\\ \@raggedtwo@savedcr
18584 \let\\ \@centercr
18585 \fi
18586 \let\@gnewline\@raggedtwo@gnewline
18587 \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
18588 \@rightsip\RaggedLeftRightskip
18589 \if@RTL\leftskip\else\rightskip\fi\@rightsip
18590 \parfillskip\RaggedLeftParfillskip
18591 \parindent\RaggedLeftParindent
18592 \@raggedtwo@spaceskiptrue
18593 \@raggedtwo@everyselectfont
18594 }
18595 \renewcommand{\RaggedRight}{%
18596 \ifx\\ \@raggedtwo@savedcr
18597 \let\\ \@centercr
18598 \fi
18599 \let\@gnewline\@raggedtwo@gnewline
18600 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
18601 \@rightsip\RaggedRightRightskip
18602 \if@RTL\leftskip\else\rightskip\fi\@rightsip
18603 \parfillskip\RaggedRightParfillskip
18604 \parindent\RaggedRightParindent

```



```

18605 \@raggedtwo@spaceskiptrue
18606 \@raggedtwo@everyselectfont
18607 }
18608 \renewcommand{\justifying}{%
18609 \let\\@raggedtwo@savedcr
18610 \let@gnewline\@raggedtwo@saved@gnewline
18611 \if@RTL\rightright\else\leftskip\fi\z@
18612 \@rightskip\z@
18613 \if@RTL\leftskip\else\rightright\fi\@rightskip
18614 \parfillskip\JustifyingParfillskip
18615 \parindent\JustifyingParindent
18616 \@raggedtwo@spaceskipfalse
18617 \@raggedtwo@everyselectfont
18618 }
18619 \def\@raggedtwo@raggedrightboxes@opt{%
18620 \renewcommand{\@arrayparboxrestore}{%
18621 \let\if@nobreak\iffalse
18622 \let\if@noskipsec\iffalse
18623 \let\par\@par
18624 \let\-\@dischyph
18625 \let'\@acci\let`\@accii\let\=\@acciii
18626 \parskip\z@skip
18627 \everypar{}%
18628 \linewidth\hsize
18629 \@totalleftmargin\z@
18630 \if@RTL
18631 \RaggedLeft
18632 \else
18633 \RaggedRight
18634 \fi
18635 \lineskip\normallineskip
18636 \baselineskip\normalbaselineskip
18637 \sloppy}%
18638 \let\@raggedtwo@raggedrightboxes@opt\relax
18639 }
18640 \def\@raggedtwo@document@opt{%
18641 \AtBeginDocument{\@raggedtwo@abdhook}%
18642 \@raggedtwo@raggedrightboxes@opt
18643 \@raggedtwo@footmisctrue
18644 \let\@raggedtwo@document@opt\relax
18645 }
18646 \def\@raggedtwo@abdhook{%
18647 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
18648 right to left documents and '\string\RaggedRight' for left
18649 to right documents}%
18650 \if@RTL
18651 \RaggedLeft
18652 \else
18653 \RaggedRight
18654 \fi
18655 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
18656 \let\@raggedtwo@abdhook\relax
18657 }
18658 \@ifpackagewith{ragged2e}{raggedrightboxes}{%

```



```

18659 \@raggedtwoe@raggedrightboxes@opt
18660 }{}
18661 \@ifpackagewith{ragged2e}{document}{%
18662 \@raggedtwoe@document@opt
18663 }{}
18664 \let\origin@RaggedLeft=\RaggedLeft
18665 \let\origin@RaggedRight=\RaggedRight
18666 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
18667 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

136 File rapport1-xetex-bidi.def

```

18668 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class]
18669 \renewenvironment{theindex}{%
18670 \@if@twocolumn
18671 \@restonecolfalse
18672 \else
18673 \@restonecoltrue
18674 \fi
18675 \columnseprule \z@
18676 \columnsep 35\p@
18677 \twocolumn[\@makeschapterhead{\indexname}]%
18678 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
18679 \thispagestyle{plain}\parindent\z@
18680 \parskip\z@ \@plus .3\p@\relax
18681 \let\item\@idxitem
18682 }{%
18683 \if@restonecol\onecolumn\else\clearpage\fi}
18684 \renewcommand*{\head@style}{%
18685 \interlinepenalty \@M
18686 \hyphenpenalty=\@M \exhyphenpenalty=\@M
18687 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsizel\relax}
18688 \if@titlepage
18689 \renewenvironment{abstract}{%
18690 \titlepage
18691 \null\vfil
18692 \section*{\SectFont\abstractname}%
18693 \noindent\ignorespaces}
18694 {\par\vfil\null\endtitlepage}
18695 \else
18696 \renewenvironment{abstract}{%
18697 \if@twocolumn
18698 \section*{\abstractname}%
18699 \else
18700 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
18701 \section*{\small\SectFont\abstractname}%
18702 \noindent\ignorespaces
18703 \fi}
18704 {\if@twocolumn\else\par\egroup\fi}
18705 \fi
18706 \renewcommand*{\@regtocoline[3]}{%
18707 \ifnum #1>\c@tocdepth
18708 \else
18709 \vskip\z@ \@plus .2\p@

```



```

18710 {\hangindent\z@ \@afterindenttrue \interlinepenalty\M
18711 \if@RTL\rightskip\else\leftskip\fi\unitindent
18712 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
18713 \parfillskip\z@
18714 \@tempdima\unitindent
18715 \parindent\z@
18716 \leavevmode
18717 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
18718 \hskip 1em \nobreak{\slshape #3}\par
18719 }%
18720 \fi}
18721 \if@oldtoc
18722 \renewcommand*\l@part[2]{%
18723 \ifnum \c@tocdepth >-2\relax
18724 \addpenalty{-\@highpenalty}%
18725 \addvspace{2.25em \@plus\p@}%
18726 \begingroup
18727 \setlength\@tempdima{3em}%
18728 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18729 \parfillskip -\@pnumwidth
18730 {\leavevmode
18731 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
18732 \nobreak
18733 \global\@nobreaktrue
18734 \everypar{\global\@nobreakfalse\everypar{}}%
18735 \endgroup
18736 \fi}
18737 \else
18738 \renewcommand*\l@part{%
18739 \ifnum \c@tocdepth >-2\relax
18740 \addpenalty{-\@highpenalty}%
18741 \addvspace{2.25em \@plus \p@}%
18742 \@regtocline{0}%
18743 \fi}
18744 \fi
18745 \if@oldtoc
18746 \renewcommand*\l@chapter[2]{%
18747 \addpenalty{-\@highpenalty}%
18748 \vskip 1.0em \@plus\p@
18749 \setlength\@tempdima{1.5em}%
18750 \begingroup
18751 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18752 \parfillskip -\@pnumwidth
18753 \leavevmode \bfseries
18754 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
18755 \hskip -\if@RTL\rightskip\else\leftskip\fi
18756 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
18757 \penalty\@highpenalty
18758 \endgroup}
18759 \else
18760 \renewcommand*\l@chapter{\@regtocline{0}}
18761 \fi
18762 \renewcommand*\left@footnoterule{%
18763 \kern-3\p@

```




```

18764 \kern.5\baselineskip
18765 \hrule\@width\unitindent
18766 \kern.4\baselineskip
18767 }
18768 \renewcommand*\right@footnoterule{%
18769 \kern-3\p@
18770 \kern.5\baselineskip
18771 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
18772 \kern.4\baselineskip}
18773 \renewenvironment{thebibliography}[1]
18774 {\chapter*{\bibname}%
18775 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
18776 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18777 \bidi@thebibliography@font@hook%
18778 \list{\@biblabel{\@arabic\c@enumiv}}%
18779 {\settowidth\labelwidth{\@biblabel{#1}}%
18780 \leftmargin\labelwidth
18781 \advance\leftmargin\labelsep
18782 \@openbib@code
18783 \usecounter{enumiv}%
18784 \let\p@enumiv\@empty
18785 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
18786 \sloppy\clubpenalty4000\widowpenalty4000%
18787 \sfcode`. \@m}
18788 {\def\@noitemerr
18789 {\@latex@warning{Empty `thebibliography' environment}}%
18790 \endlist}
18791 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
18792 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
18793 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
18794 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18795 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
18796 \renewcommand*\theequation{%
18797 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
18798 \renewcommand*\thefigure{%
18799 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
18800 \renewcommand*\thetable{%
18801 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
18802 \if@titlepage
18803 \renewcommand*\TitleFont{\rmfamily}
18804 \renewcommand*\maketitle{%
18805 \begin{titlepage}%
18806 \let\footnotesize\small
18807 \let\right@footnoterule\relax
18808 \let\left@footnoterule\relax
18809 \let\textwidth@footnoterule\relax
18810 \let \footnote \thanks
18811 \long\def\@makefnmark##1{\parindent\z@
18812 \def\labelitemi{\textendash}\@revlabeltrue
18813 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
18814 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18815 \if@compatibility\setcounter{page}{0}\fi
18816 \null\vfil
18817 \vskip 60\p@

```



```

18818 \begin{center}%
18819 \TitleFont
18820 {\LARGE \def\{\penalty -\@M}
18821 \if@allcaps
18822 \expandafter\uc@nothanks\@title\thanks\relax
18823 \else
18824 \@title
18825 \fi\par}%
18826 \vskip 3em%
18827 {\large
18828 \lineskip .75em \parindent\z@
18829 \begin{tabular}[t]{c}%
18830 \if@allcaps
18831 \expandafter\uc@authornothanks\@author\and\relax
18832 \else
18833 \@author
18834 \fi
18835 \end{tabular}\par}%
18836 \vskip 1.5em%
18837 {\large
18838 \if@allcaps
18839 \uppercase\expandafter{\@date}%
18840 \else
18841 \@date
18842 \fi\par}%
18843 \end{center}\par
18844 \@thanks
18845 \vfil\null
18846 \end{titlepage}%
18847 \setcounter{footnote}{0}%
18848 \global\let\thanks\relax
18849 \global\let\maketitle\relax
18850 \global\let\@thanks\@empty
18851 \global\let\@author\@empty
18852 \global\let\@title\@empty
18853 \global\let\@date\@empty
18854 \global\let\title\relax
18855 \global\let\author\relax
18856 \global\let\date\relax
18857 \global\let\and\relax
18858 }
18859 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
18860 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
18861 \futurelet\@tempa\uc@ax}
18862 \def\uc@ax{%
18863 \ifx\@tempa\relax
18864 \else
18865 \\\andname \\\expandafter\uc@authornothanks
18866 \fi}
18867 \def\uc@tx{\ifx\@tempa\relax
18868 \else \expandafter\uc@ty \fi}
18869 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
18870 \else
18871 \renewcommand*\maketitle{\par

```



```

18872 \begingroup
18873 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18874 \def\@makefnmark{\rlap{%
18875 \@textsuperscript{\normalfont\@thefnmark}}}%
18876 \long\def\@makefntext{\@xmakefntext{%
18877 \@textsuperscript{\normalfont\@thefnmark}}}%
18878 \if@twocolumn
18879 \ifnum \col@number=\@ne
18880 \@maketitle
18881 \else
18882 \twocolumn[\@maketitle]%
18883 \fi
18884 \else
18885 \newpage
18886 \global\@topnum\z@
18887 \@maketitle
18888 \fi
18889 \thispagestyle{plain}\@thanks
18890 \endgroup
18891 \setcounter{footnote}{0}%
18892 \global\let\thanks\relax
18893 \global\let\maketitle\relax
18894 \global\let\@maketitle\relax
18895 \global\let\@thanks\@empty
18896 \global\let\@author\@empty
18897 \global\let\@title\@empty
18898 \global\let\@date\@empty
18899 \global\let\title\relax
18900 \global\let\author\relax
18901 \global\let\date\relax
18902 \global\let\and\relax
18903 }
18904 \def\@maketitle{%
18905 \newpage
18906 \null
18907 \vskip 2em%
18908 \begin{center}%
18909 \let \footnote \thanks
18910 {\LARGE \TitleFont \@title \par}%
18911 \vskip 1.5em%
18912 {\large \TitleFont
18913 \lineskip .5em%
18914 \begin{tabular}[t]{c}%
18915 \@author
18916 \end{tabular}\par}%
18917 \vskip 1em%
18918 {\large \TitleFont \@date}%
18919 \end{center}%
18920 \par
18921 \vskip 1.5em}
18922 \fi

```

137 File rapport3-xetex-bidi.def



```

18923 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class
18924 \renewenvironment{theindex}{%
18925   \if@twocolumn
18926     \@restonecolfalse
18927   \else
18928     \@restonecoltrue
18929   \fi
18930   \columnseprule \z@
18931   \columnsep 35\p@
18932   \twocolumn[\@makeschapterhead{\indexname}]%
18933   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
18934   \thispagestyle{plain}\parindent\z@
18935   \parskip\z@ \@plus .3\p@\relax
18936   \let\item\@idxitem
18937 }{%
18938   \if@restonecol\onecolumn\else\clearpage\fi}
18939 \if@titlepage
18940 \renewcommand*{\TitleFont{\rmfamily}
18941 \renewcommand*\maketitle{%
18942   \begin{titlepage}%
18943     \let\footnotesize\small
18944     \let\right@footnoterule\relax
18945     \let\left@footnoterule\relax
18946     \let\textwidth@footnoterule\relax
18947     \let \footnote \thanks
18948     \let \LTRfootnote \LTRthanks
18949     \let \RTLfootnote \RTLthanks
18950     \long\def\@makefnmark##1{\parindent\z@
18951       \def\labelitemi{\textendash}\@revlabeltrue
18952       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
18953     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18954     \if@compatibility\setcounter{page}{0}\fi
18955     \null\vfil
18956     \vskip 60\p@
18957     \begin{center}%
18958       \TitleFont
18959       {\LARGE \def\{\{\penalty -\@M}
18960         \if@allcaps
18961           \expandafter\uc@nothanks\@title\thanks\relax
18962         \else
18963           \@title
18964         \fi\par}%
18965       \vskip 3em%
18966       {\large
18967         \lineskip .75em \parindent\z@
18968         \begin{tabular}[t]{c}%
18969           \if@allcaps
18970             \expandafter\uc@authornothanks\@author\and\relax
18971           \else
18972             \@author
18973           \fi
18974         \end{tabular}\par}%
18975       \vskip 1.5em%
18976       {\large

```



```

18977     \if@allcaps
18978         \uppercase\expandafter{\@date}%
18979     \else
18980         \@date
18981     \fi\par}%
18982 \end{center}\par
18983 \@thanks
18984 \vfil\null
18985 \end{titlepage}%
18986 \setcounter{footnote}{0}%
18987 \global\let\thanks\relax
18988 \global\let\LTRthanks\relax
18989 \global\let\RTLthanks\relax
18990 \global\let\maketitle\relax
18991 \global\let\@thanks\@empty
18992 \global\let\@author\@empty
18993 \global\let\@title\@empty
18994 \global\let\@date\@empty
18995 \global\let\title\relax
18996 \global\let\author\relax
18997 \global\let\date\relax
18998 \global\let\and\relax
18999 }
19000 \def\@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\@c@tx}
19001 \def\@authornothanks#1\and{\@nothanks#1\thanks\relax
19002     \futurelet\@tempa\@c@ax}
19003 \def\@c@ax{%
19004     \ifx\@tempa\relax
19005     \else
19006         \ \andname \ \expandafter\@authornothanks
19007     \fi}
19008 \def\@c@tx{\ifx\@tempa\relax
19009     \else \expandafter\@c@ty \fi}
19010 \def\@c@ty#1{\thanks{#1}\@nothanks}
19011 \else
19012 \renewcommand*\maketitle{\par
19013     \begingroup
19014     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19015     \def\@makefnmark{\rlap{%
19016         \@textsuperscript{\normalfont\@thefnmark}}}%
19017     \long\def\@makefntext{\@xmakefntext{%
19018         \@textsuperscript{\normalfont\@thefnmark}}}%
19019     \if@twocolumn
19020         \ifnum \col@number=\@ne
19021             \@maketitle
19022         \else
19023             \twocolumn[\@maketitle]%
19024         \fi
19025     \else
19026         \newpage
19027         \global\@topnum\z@
19028         \@maketitle
19029     \fi
19030     \thispagestyle{plain}\@thanks

```



```

19031 \endgroup
19032 \setcounter{footnote}{0}%
19033 \global\let\thanks\relax
19034 \global\let\LTRthanks\relax
19035 \global\let\RTLthanks\relax
19036 \global\let\maketitle\relax
19037 \global\let@\maketitle\relax
19038 \global\let@thanks@empty
19039 \global\let@author@empty
19040 \global\let@title@empty
19041 \global\let@date@empty
19042 \global\let\title\relax
19043 \global\let\author\relax
19044 \global\let\date\relax
19045 \global\let\and\relax
19046 }
19047 \def@maketitle{%
19048 \newpage
19049 \null
19050 \vskip 2em%
19051 \if@titlecentered
19052 \begin{center}%
19053 \let \footnote \thanks
19054 \let \LTRfootnote \LTRthanks
19055 \let \RTLfootnote \RTLthanks
19056 {\LARGE \TitleFont \@title \par}%
19057 \vskip 1.5em%
19058 {\large \TitleFont
19059 \lineskip .5em%
19060 \begin{tabular}[t]{c}%
19061 \author
19062 \end{tabular}\par}%
19063 \vskip 1em%
19064 {\large \TitleFont \@date}%
19065 \end{center}%
19066 \else
19067 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
19068 {\large \TitleFont \lineskip .5em \tabcolsep\z@
19069 \def\and{%% \begin{tabular} has already started
19070 \end{tabular}\hskip 1em plus .17fil
19071 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tab
19072 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\author\end{tabular}
19073 \vskip 1em {\large \TitleFont \@date}
19074 \fi
19075 \par
19076 \vskip 1.5em}
19077 \fi
19078 \renewcommand*\@regtocline[3]{%
19079 \ifnum #1>\c@tocdepth
19080 \else
19081 \vskip\z@\@plus.2\p@
19082 {\hangindent\z@ \@afterindenttrue \interlinepenalty\M
19083 \if@RTL\righskip\else\leftskip\fi\unitindent
19084 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil

```



```

19085 \parfillskip\z@
19086 \@tempdima\unitindent
19087 \parindent\z@
19088 \leavevmode
19089 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
19090 \hskip 1em \nobreak{\slshape #3}\par
19091 }%
19092 \fi}
19093 \if@oldtoc
19094 \renewcommand*\l@part[2]{%
19095 \ifnum \c@tocdepth >-2\relax
19096 \addpenalty{-\@highpenalty}%
19097 \addvspace{2.25em \@plus\p@}%
19098 \begingroup
19099 \setlength\@tempdima{3em}%
19100 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
19101 \parfillskip -\@pnumwidth
19102 {\leavevmode
19103 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
19104 \nobreak
19105 \global\@nobreaktrue
19106 \everypar{\global\@nobreakfalse\everypar{}}%
19107 \endgroup
19108 \fi}
19109 \else
19110 \renewcommand*\l@part{%
19111 \ifnum \c@tocdepth >-2\relax
19112 \addpenalty{-\@highpenalty}%
19113 \addvspace{2.25em \@plus \p@}%
19114 \@regtocline{0}%
19115 \fi}
19116 \fi
19117 \if@oldtoc
19118 \renewcommand*\l@chapter[2]{%
19119 \addpenalty{-\@highpenalty}%
19120 \vskip 1.0em \@plus\p@
19121 \setlength\@tempdima{1.5em}%
19122 \begingroup
19123 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
19124 \parfillskip -\@pnumwidth
19125 \leavevmode \bfseries
19126 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
19127 \hskip -\if@RTL\righskip\else\leftskip\fi
19128 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
19129 \penalty\@highpenalty
19130 \endgroup}
19131 \else
19132 \renewcommand*\l@chapter{\@regtocline{0}}
19133 \fi
19134 \renewcommand*\head@style{%
19135 \interlinepenalty \@M
19136 \hyphenpenalty=\@M \exhyphenpenalty=\@M
19137 \if@RTL\leftskip\else\righskip\fi=0cm plus .7\hsize\relax}
19138 \if@titlepage

```



```

19139 \renewenvironment{abstract}{%
19140     \titlepage
19141     \null\vfil
19142     \section*{\SectFont\abstractname}%
19143     \noindent\ignorespaces}
19144     {\par\vfil\null\endtitlepage}
19145 \else
19146 \renewenvironment{abstract}{%
19147     \if@twocolumn
19148     \section*{\abstractname}%
19149     \else
19150     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
19151     \section*{\small\SectFont\abstractname}%
19152     \noindent\ignorespaces
19153     \fi}
19154     {\if@twocolumn\else\par\egroup\fi}
19155 \fi
19156 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
19157 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
19158 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
19159 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
19160 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
19161 \renewcommand*\thefigure{%
19162     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
19163 \renewcommand*\thetable{%
19164     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
19165 \renewcommand*\theequation{%
19166     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
19167 \renewenvironment{thebibliography}[1]
19168     {\chapter*{\bibname}%
19169     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
19170     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19171     \bidi@thebibliography@font@hook%
19172     \list{\@biblabel{\@arabic\c@enumiv}}%
19173         {\settowidth\labelwidth{\@biblabel{#1}}%
19174         \leftmargin\labelwidth
19175         \advance\leftmargin\labelsep
19176         \@openbib@code
19177         \usecounter{enumiv}%
19178         \let\p@enumiv\@empty
19179         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
19180     \sloppy\clubpenalty4000\widowpenalty4000%
19181     \sfcode`\.\@m}
19182     {\def\@noitemerr
19183     {\@latex@warning{Empty `thebibliography' environment}}%
19184     \endlist}
19185 \renewcommand*\left@footnoterule{%
19186     \kern-3\p@
19187     \kern.5\baselineskip
19188     \hrule\@width\unitindent
19189     \kern.4\baselineskip
19190 }
19191 \renewcommand*\right@footnoterule{%
19192     \kern-3\p@

```




```

19193 \kern.5\baselineskip
19194 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
19195 \kern.4\baselineskip}
19196 \renewcommand*\head@style{%
19197   \interlinepenalty \@M
19198   \hyphenpenalty=\@M \exhyphenpenalty=\@M
19199   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

138 File refrep-xetex-bidi.def

```

19200 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for
19201 \if@titlepage
19202 \renewcommand\maketitle{\begin{titlepage}%
19203 \let\footnotesize\small
19204 \let\right@footnoterule\relax
19205 \let\left@footnoterule\relax
19206 \let\textwidth@footnoterule\relax
19207 \let\footnote\thanks
19208 \let\LTRfootnote\LTRthanks
19209 \let\RTLfootnote\RTLthanks
19210 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
19211 \def\@makefnmark%
19212   {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
19213 \long\def\@makefntext##1{%
19214   \setpar{\@par
19215     \tempdima = \hsize
19216     \advance\tempdima -1em
19217     \parshape \@ne 1em \tempdima}%
19218   \par\parindent 1em \noindent
19219   \hb@xt@\z@\{ \hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
19220 \null\vfil
19221 \vskip 60\p@
19222 \begin{center}%
19223   {\LARGE \@title \par}%
19224   \vskip 3em%
19225   {\large
19226     \lineskip .75em%
19227     \begin{tabular}[t]{c}%
19228       \@author
19229     \end{tabular}\par}%
19230   \vskip 1.5em%
19231   {\large \@date \par}%           % Set date in \large size.
19232 \end{center}\par
19233 \@thanks
19234 \vfil\null
19235 \end{titlepage}%
19236 \setcounter{footnote}{0}%
19237 \global\let\thanks\relax
19238 \global\let\LTRthanks\relax
19239 \global\let\RTLthanks\relax
19240 \global\let\maketitle\relax
19241 \global\let\@thanks\@empty
19242 \global\let\@author\@empty
19243 \global\let\@date\@empty

```



```

19244 \global\let\@title\@empty
19245 \global\let\title\relax
19246 \global\let\author\relax
19247 \global\let\date\relax
19248 \global\let\and\relax
19249 }
19250 \else
19251 \renewcommand\maketitle{\par
19252 \begingroup
19253 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
19254 \def\@makefnmark%
19255 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
19256 \long\def\@makefntext##1{%
19257 \setpar{\@par
19258 \@tempdima = \hspace
19259 \advance\@tempdima -1em
19260 \parshape \@ne 1em \@tempdima}%
19261 \par\parindent 1em \noindent
19262 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
19263 \if@twocolumn
19264 \ifnum \col@number=\@ne
19265 \maketitle
19266 \else
19267 \twocolumn[\maketitle]%
19268 \fi
19269 \else
19270 \newpage
19271 \global\@topnum\z@ % Prevents figures from going at top of page.
19272 \maketitle
19273 \fi
19274 \thispagestyle{empty}\@thanks
19275 \endgroup
19276 \setcounter{footnote}{0}%
19277 \global\let\thanks\relax
19278 \global\let\LTRthanks\relax
19279 \global\let\RTLthanks\relax
19280 \global\let\maketitle\relax
19281 \global\let\@maketitle\relax
19282 \global\let\@thanks\@empty
19283 \global\let\@author\@empty
19284 \global\let\@date\@empty
19285 \global\let\@title\@empty
19286 \global\let\title\relax
19287 \global\let\author\relax
19288 \global\let\date\relax
19289 \global\let\and\relax
19290 }
19291 \def\@maketitle{%
19292 \newpage
19293 \null
19294 \longthickrule\vskip1.5em%
19295 \let \footnote \thanks
19296 \let \LTRfootnote \LTRthanks
19297 \let \RTLfootnote \RTLthanks

```



```

19298 {\secshape \parskip\z@ \parindent\z@
19299 \Large\bfseries \@title \par}%
19300 \vskip1.5em\longthickrule\vskip1.5em%
19301 {\normalsize
19302 \lineskip .5em%
19303 \begin{flushright}%
19304 {\slshape\@author\par}
19305 \vskip 1em%
19306 {\@date}%
19307 \end{flushright}\par}%
19308 \vskip 1.5em}
19309 \fi
19310 \renewcommand*\l@part[2]{%
19311 \ifnum \c@tocdepth >-2\relax
19312 \addpenalty{-\@highpenalty}%
19313 \addvspace{2.25em \@plus\p@}%
19314 \begingroup
19315 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19316 \parfillskip -\@pnumwidth
19317 {\leavevmode
19318 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
19319 \nobreak
19320 \global\@nobreaktrue
19321 \everypar{\global\@nobreakfalse\everypar{}}%
19322 \endgroup
19323 \fi}
19324 \renewcommand*\l@chapter[2]{%
19325 \ifnum \c@tocdepth >\m@ne
19326 \addpenalty{-\@highpenalty}%
19327 \vskip 1.0em \@plus\p@
19328 \setlength\@tempdima{1.5em}%
19329 \begingroup
19330 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19331 \parfillskip -\@pnumwidth
19332 \leavevmode \bfseries
19333 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
19334 \hskip -\if@RTL\rightskip\else\leftskip\fi
19335 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
19336 \penalty\@highpenalty
19337 \endgroup
19338 \fi}
19339 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
19340 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
19341 \hyphenpenalty=2000}
19342 \renewcommand\left@footnoterule{%
19343 \kern-3\p@
19344 \hrule\@width.4\columnwidth
19345 \kern 2.6\p@}
19346 \renewcommand\right@footnoterule{%
19347 \kern-3\p@
19348 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
19349 \kern2.6\p@}
19350 \renewcommand\theequation
19351 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}

```



```

19352 \renewcommand\thefigure
19353     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
19354 \renewcommand\thetable%
19355     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
19356 \renewcommand\thesection     {\thechapter\@SepMark\@arabic\c@section}
19357 \renewcommand\thesubsection  {\thesection\@SepMark\@arabic\c@subsection}
19358 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
19359 \renewcommand\theparagraph   {\thesubsubsection\@SepMark\@arabic\c@paragraph}
19360 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
19361 \renewenvironment{thebibliography}[1]
19362     {\chapter*{\bibname
19363         \@mkboth{\bibname}{\bibname}}%
19364         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19365         \bidi@thebibliography@font@hook%
19366         \list{\@biblabel{\@arabic\c@enumiv}}%
19367             {\settowidth\labelwidth{\@biblabel{#1}}%
19368             \leftmargin\labelwidth
19369             \advance\leftmargin\labelsep
19370             \@openbib@code
19371             \usecounter{enumiv}%
19372             \let\p@enumiv\@empty
19373             \renewcommand\theenumiv{\@arabic\c@enumiv}}%
19374             \sloppy
19375             \clubpenalty4000
19376             \@clubpenalty \clubpenalty
19377             \widowpenalty4000%
19378     \sfcode`\.=\@m}
19379 {\def\@noitemerr
19380     {\@latex@warning{Empty `thebibliography' environment}}%
19381     \endlist}

```

139 File report-xetex-bidi.def

```

19382 \ProvidesFile{report-xetex-bidi.def}[2025/09/04 v1.0 bidi adaptations for standard report c
19383 \renewenvironment{theindex}
19384     {\if@twocolumn
19385         \@restonecolfalse
19386         \else
19387         \@restonecoltrue
19388         \fi
19389         \columnseprule \z@
19390         \columnsep 35\p@
19391         \twocolumn[\@makeschapterhead{\indexname}]%
19392         \@mkboth{\MakeUppercase\indexname}%
19393             {\MakeUppercase\indexname}%
19394         \thispagestyle{plain}\parindent\z@
19395         \parskip\z@ \@plus .3\p@\relax
19396         \let\item\@idxitem}
19397     {\if@restonecol\onecolumn\else\clearpage\fi}
19398 \if@titlepage
19399 \renewcommand\maketitle{\begin{titlepage}%
19400 \let\footnotesize\small
19401 \let\right@footnoterule\relax
19402 \let\left@footnoterule\relax

```



```

19403 \let\textwidth@footnoterule\relax
19404 \let \footnote \thanks
19405 \let \LTRfootnote \LTRthanks
19406 \let \RTLfootnote \RTLthanks
19407 \null\vfil
19408 \vskip 60\p@
19409 \begin{center}%
19410   {\LARGE \@title \par}%
19411   \vskip 3em%
19412   {\large
19413     \lineskip .75em%
19414     \begin{tabular}[t]{c}%
19415       \@author
19416     \end{tabular}\par}%
19417     \vskip 1.5em%
19418     {\large \@date \par}%           % Set date in \large size.
19419 \end{center}\par
19420 \@thanks
19421 \vfil\null
19422 \end{titlepage}%
19423 \setcounter{footnote}{0}%
19424 \global\let\thanks\relax
19425 \global\let\LTRthanks\relax
19426 \global\let\RTLthanks\relax
19427 \global\let\maketitle\relax
19428 \global\let\@thanks\@empty
19429 \global\let\@author\@empty
19430 \global\let\@date\@empty
19431 \global\let\@title\@empty
19432 \global\let\title\relax
19433 \global\let\author\relax
19434 \global\let\date\relax
19435 \global\let\and\relax
19436 }
19437 \else
19438 \renewcommand\maketitle{\par
19439   \begingroup
19440     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
19441     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
19442     \long\def\@makefntext##1{\parindent 1em\noindent
19443       \hb@xt@1.8em{%
19444         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
19445     \if@twocolumn
19446       \ifnum \col@number=\@ne
19447         \@maketitle
19448       \else
19449         \twocolumn[\@maketitle]%
19450       \fi
19451     \else
19452       \newpage
19453       \global\@topnum\z@   % Prevents figures from going at top of page.
19454       \@maketitle
19455     \fi
19456     \thispagestyle{plain}\@thanks

```



```

19457 \endgroup
19458 \setcounter{footnote}{0}%
19459 \global\let\thanks\relax
19460 \global\let\LTRthanks\relax
19461 \global\let\RTLthanks\relax
19462 \global\let\maketitle\relax
19463 \global\let@\maketitle\relax
19464 \global\let@thanks@empty
19465 \global\let@author@empty
19466 \global\let@date@empty
19467 \global\let@title@empty
19468 \global\let\title\relax
19469 \global\let\author\relax
19470 \global\let\date\relax
19471 \global\let\and\relax
19472 }
19473 \def@maketitle{%
19474 \newpage
19475 \null
19476 \vskip 2em%
19477 \begin{center}%
19478 \let \footnote \thanks
19479 \let \LTRfootnote \LTRthanks
19480 \let \RTLfootnote \RTLthanks
19481 {\LARGE \@title \par}%
19482 \vskip 1.5em%
19483 {\large
19484 \lineskip .5em%
19485 \begin{tabular}[t]{c}%
19486 \author
19487 \end{tabular}\par}%
19488 \vskip 1em%
19489 {\large \@date}%
19490 \end{center}%
19491 \par
19492 \vskip 1.5em}
19493 \fi
19494 \IfPackageLoadedF{tocloft}{%
19495 \renewcommand*\l@part[2]{%
19496 \ifnum \c@tocdepth >-2\relax
19497 \addpenalty{-\@highpenalty}%
19498 \addvspace{2.25em \@plus\p@}%
19499 \setlength\@tempdima{3em}%
19500 \begin{group
19501 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19502 \parfillskip -\@pnumwidth
19503 {\leavevmode
19504 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
19505 \nobreak
19506 \global@nobreaktrue
19507 \everypar{\global@nobreakfalse\everypar{}}%
19508 \endgroup
19509 \fi}
19510 \renewcommand*\l@chapter[2]{%

```



```

19511 \ifnum \c@tocdepth >\m@ne
19512 \addpenalty{-\@highpenalty}%
19513 \vskip 1.0em \@plus\p@
19514 \setlength\@tempdima{1.5em}%
19515 \begingroup
19516 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19517 \parfillskip -\@pnumwidth
19518 \leavevmode \bfseries
19519 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
19520 \hskip -\if@RTL\rightskip\else\leftskip\fi
19521 #1\nobreak\hfil \nobreak\hbxt@\@pnumwidth{\hss #2}\par
19522 \penalty\@highpenalty
19523 \endgroup
19524 \fi}
19525 }
19526 \renewcommand\left@footnoterule{%
19527 \kern-3\p@
19528 \hrule\@width.4\columnwidth
19529 \kern2.6\p@}
19530 \renewcommand\right@footnoterule{%
19531 \kern-3\p@
19532 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
19533 \kern2.6\p@}
19534 \renewcommand\theequation
19535 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19536 \renewcommand \thefigure
19537 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
19538 \renewcommand \thetable
19539 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
19540 \renewcommand \thechapter {\@arabic\c@chapter}
19541 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
19542 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
19543 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
19544 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
19545 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
19546 \def\@makechapterhead#1{%
19547 \vspace*{50\p@}%
19548 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
19549 \ifnum \c@secnumdepth >\m@ne
19550 \huge\bfseries \@chapapp\space \thechapter
19551 \par\nobreak
19552 \vskip 20\p@
19553 \fi
19554 \interlinepenalty\@M
19555 \Huge \bfseries #1\par\nobreak
19556 \vskip 40\p@
19557 }}
19558 \def\@makeschapterhead#1{%
19559 \vspace*{50\p@}%
19560 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
19561 \normalfont
19562 \interlinepenalty\@M
19563 \Huge \bfseries #1\par\nobreak
19564 \vskip 40\p@

```



```

19565   }}
19566 \IfPackageLoadedF{natbib}{%
19567 \renewenvironment{thebibliography}[1]
19568   {\chapter*{\bibname}%
19569   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
19570   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19571   \bidi@thebibliography@font@hook%
19572   \list{\@biblabel{\@arabic\c@enumiv}}%
19573     {\settowidth\labelwidth{\@biblabel{#1}}%
19574     \leftmargin\labelwidth
19575     \advance\leftmargin\labelsep
19576     \@openbib@code
19577     \usecounter{enumiv}%
19578     \let\p@enumiv\@empty
19579     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
19580   \sloppy
19581   \clubpenalty4000
19582   \@clubpenalty \clubpenalty
19583   \widowpenalty4000%
19584   \sfcode`..\@m}
19585   {\def\@noitemerr
19586     {\@latex@warning{Empty `thebibliography' environment}}%
19587   \endlist}
19588 }

```

140 File rotating-xetex-bidi.def

```

19589 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating packag
19590 \def\end@rotfloat{%
19591   \end{minipage}\end{lrbox}%
19592   \stepcounter{r@tfl@t}%
19593   \rot@label{RF\ther@tfl@t}%
19594   \rot@pageref{RF\ther@tfl@t}{\R@page}%
19595   \edef\@tempa{Adding sideways \capttype\space on page \R@page\space}
19596   \rot@mess@toks\expandafter{\@tempa}
19597   \wd\rot@float@box\z@
19598   \ht\rot@float@box\z@
19599   \dp\rot@float@box\z@
19600   \vboxL to \textheight{%
19601     \setkeys{Grot}{units=360}%
19602     \if@rot@twoside
19603     \else
19604       \let\R@page\rot@LR
19605     \fi
19606     \ifthenelse{\isodd{\R@page}}{%
19607       \if@rot@twoside
19608         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
19609       \fi
19610       \vfill
19611       \@@line{%
19612         \hskip\rotFPtop
19613         \rotatebox{90}{\box\rot@float@box}%
19614         \hskip\rotFPbot
19615       }%

```




```

19616 }{%
19617   \if@rot@twoside
19618     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
19619   \fi
19620   \@@line{%
19621     \hskip\rotFPbot
19622     \rotatebox{-90}{\box\rot@float@box}%
19623     \hskip\rotFPtop
19624   }%
19625   \vfill
19626 }%
19627 \rot@message{\the\rot@mess@toks}
19628 }%
19629 \end@float
19630 }
19631 \let\endsidewaysfigure\end@rotfloat
19632 \let\endsidewaysstable\end@rotfloat
19633 \def\end@rotdblfloat{%
19634   \end{minipage}\end{lrbox}%
19635   \stepcounter{r@tfl@t}%
19636   \rot@label{RF\ther@tfl@t}%
19637   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
19638   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
19639   \rot@mess@toks\expandafter{\@tempa}
19640   \@tempdima\ht\rot@float@box
19641   \advance\@tempdima by \dp\rot@float@box
19642   \wd\rot@float@box\z@
19643   \ht\rot@float@box\z@
19644   \dp\rot@float@box\z@
19645   \vboxL to \textheight{%
19646     \setkeys{Grot}{units=360}%
19647     \if@rot@twoside
19648     \else
19649       \let\R@@page\rot@LR
19650     \fi
19651     \ifthenelse{\isodd{\R@@page}}{%
19652       \ifrot@messages
19653       \if@rot@twoside
19654       \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
19655     \fi
19656     \fi
19657     \vfill
19658     \@@line{%
19659       \hskip\rotFPtop
19660       \rotatebox{90}{\box\rot@float@box}%
19661       \hskip\rotFPbot
19662     }%
19663   }{%
19664     \ifrot@messages
19665     \if@rot@twoside
19666     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
19667   \fi
19668   \fi%
19669   \@@line{%

```



```

19670         \hskip\rotFPbot
19671         \rotatebox{-90}{\box\rot@float@box}%
19672         \hskip\rotFPtop
19673     }%
19674     \vfill
19675 }%
19676 \rot@message{\the\rot@mess@toks}%
19677 }%
19678 \enddblfloat
19679 }
19680 \def\turn#1{%
19681   \Grot@setangle{#1}%
19682   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
19683 \def\endturn{%
19684   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
19685   \unskip\color@endbox
19686   \Grot@x\z@
19687   \Grot@y\z@
19688   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
19689 }
19690 \def\rotate#1{%
19691   \Grot@setangle{#1}%
19692   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
19693 \def\endrotate{%
19694   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
19695   \unskip\color@endbox
19696   \Grot@x\z@
19697   \Grot@y\z@
19698   \wd0\z@\dp0\z@\ht0\z@
19699   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
19700 }
19701 \def\turnbox#1#2{%
19702   \Grot@setangle{#1}%
19703   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
19704   \Grot@x\z@\Grot@y\z@
19705   \wd0\z@\dp0\z@\ht0\z@
19706   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
19707 }
19708 \def\sideways{%
19709   \Grot@setangle{90}%
19710   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
19711 \def\endsideways{%
19712   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
19713   \unskip\color@endbox
19714   \Grot@x\z@
19715   \Grot@y\z@
19716   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
19717 }

```

141 File `scrartcl-xetex-bidi.def`

```

19718 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class]
19719 \newcommand{\scr@saved@LTRfootnotetext}{}
19720 \newcommand{\scr@saved@RTLfootnotetext}{}

```



```

19721 \let\scr@saved@footnotetext\@footnotetext
19722 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
19723 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
19724 \renewcommand{\@footnotetext}[1]{%
19725   \scr@saved@footnotetext{#1}%
19726   \csname FN@mf@prepare\endcsname
19727 }
19728 \renewcommand{\@LTRfootnotetext}[1]{%
19729   \scr@saved@LTRfootnotetext{#1}%
19730   \csname FN@mf@prepare\endcsname
19731 }
19732 \renewcommand{\@RTLfootnotetext}[1]{%
19733   \scr@saved@RTLfootnotetext{#1}%
19734   \csname FN@mf@prepare\endcsname
19735 }
19736 \renewcommand\deffootnote[4] []{%
19737   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
19738     \long\def\@makefnmark##1{%
19739       \ExecuteDoHook{footnote/text/begin}%
19740       \raggedfootnote
19741       \if@RTL
19742         \rightskip
19743       \else
19744         \leftskip
19745       \fi
19746       #2
19747       \l@addto@macro\@trivlist{%
19748         \ifnum\@listdepth=\@ne
19749           \if@RTL
19750             \advance\rightmargin #2\relax
19751           \else
19752             \advance\leftmargin #2\relax
19753           \fi
19754         \fi
19755       }%
19756       \parindent #3\noindent
19757       \IfArgIsEmpty{#1}{-}{-}{%
19758         \hskip \dimexpr #1-#2\relax
19759       }%
19760       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19761       \ExecuteDoHook{footnote/text/end}%
19762     }%
19763   \else
19764     \ClassInfo{\KOMAClassName}{%
19765       Using old \string\@makefnmark\space due to compatibility
19766       level\MessageBreak
19767       less than 3.22}%
19768     \long\def\@makefnmark##1{%
19769       \setlength{\@tempdimc}{#3}%
19770       \def\@tempa{#1}\ifx\@tempa\@empty
19771         \setpar{\@par
19772           \@tempdima = \hsize
19773           \addtolength{\@tempdima}{-#2}%
19774           \if@RTL

```



```

19775         \parshape \@ne \z@ \@tempdima
19776         \else
19777         \parshape \@ne #2 \@tempdima
19778         \fi}%
19779     \else
19780         \addtolength{\@tempdimc}{#2}%
19781         \addtolength{\@tempdimc}{-#1}%
19782         \@setpar{\@par
19783         \@tempdima = \hsize
19784         \addtolength{\@tempdima}{-#1}%
19785         \@tempdimb = \hsize
19786         \addtolength{\@tempdimb}{-#2}%
19787         \ifRTL
19788         \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
19789         \else
19790         \parshape \tw@ #1 \@tempdima #2 \@tempdimb
19791         \fi
19792     }%
19793     \fi
19794     \par
19795     \parindent\@tempdimc\noindent
19796     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19797 }%
19798 \fi
19799 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
19800 }
19801 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
19802 \renewcommand*\left@footnoterule{%
19803     \normalsize\ftn@rule@test@values
19804     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19805     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19806     {\usekomafont{footnoterule}{%
19807         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
19808     \kern 2.6\p@}
19809 \renewcommand*\right@footnoterule{%
19810     \normalsize\ftn@rule@test@values
19811     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19812     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19813     {\usekomafont{footnoterule}{%
19814         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
19815         \kern 2.6\p@}
19816     \renewcommand*\maketitle[1][1]{%
19817     \expandafter\ifnum \c@name scr@v03.12\endcsname>\scr@compatibility\relax
19818     \else
19819     \def\and{%
19820     \end{tabular}%
19821     \hskip 1em \@plus.17fil%
19822     \begin{tabular}[t]{c}%
19823     }%
19824     \fi
19825     \if@titlepage
19826     \begin{titlepage}
19827     \setcounter{page}{%
19828     #1%

```



```

19829 }%
19830 \if@titlepageiscoverpage
19831 \edef\titlename@restore{%
19832 \noexpand\endgroup
19833 \noexpand\global\noexpand\@colht\the\@colht
19834 \noexpand\global\noexpand\@colroom\the\@colroom
19835 \noexpand\global\vsizethe\vsizethe
19836 \noexpand\global\noexpand\@titlepageiscoverpagefalse
19837 \noexpand\let\noexpand\titlename@restore\noexpand\relax
19838 }%
19839 \begingroup
19840 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
19841 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
19842 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
19843 \textwidth=\dimexpr
19844 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
19845 \textheight=\dimexpr
19846 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
19847 \headheight=0pt
19848 \headsep=0pt
19849 \footskip=\baselineskip
19850 \@colht=\textheight
19851 \@colroom=\textheight
19852 \vsizethe=\textheight
19853 \columnwidth=\textwidth
19854 \hsizethe=\columnwidth
19855 \linewidth=\hsizethe
19856 \else
19857 \let\titlename@restore\relax
19858 \fi
19859 \let\footnotesize\small
19860 \let\right@footnoterule\relax
19861 \let\left@footnoterule\relax
19862 \let\textwidth@footnoterule\relax
19863 \let\footnote\thanks
19864 \let\LTRfootnote\LTRthanks
19865 \let\RTLfootnote\RTLthanks
19866 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19867 \let\@oldmakefnmark\@makefnmark
19868 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
19869 \ifx\@extratitle\@empty
19870 \ifx\@frontispiece\@empty
19871 \else
19872 \if@twoside\mbox{}\next@tpage\fi
19873 \noindent\@frontispiece\next@tdpage
19874 \fi
19875 \else
19876 \noindent\@extratitle
19877 \ifx\@frontispiece\@empty
19878 \else
19879 \next@tpage
19880 \noindent\@frontispiece
19881 \fi
19882 \next@tdpage

```



```

19883 \fi
19884 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
19885 \ifx\@titlehead\@empty \else
19886 \begin{minipage}[t]{\textwidth}%
19887 \usekomafont{titlehead}{\@titlehead\par}%
19888 \end{minipage}\par
19889 \fi
19890 \null\vfill
19891 \begin{center}
19892 \ifx\@subject\@empty \else
19893 {\usekomafont{subject}{\@subject\par}}%
19894 \vskip 3em
19895 \fi
19896 {\usekomafont{title}{\huge \@title\par}}%
19897 \vskip 1em
19898 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
19899 \vskip 2em
19900 {%
19901 \usekomafont{author}{%
19902 \lineskip 0.75em
19903 \begin{tabular}[t]{c}
19904 \@author
19905 \end{tabular}\par
19906 }%
19907 }%
19908 \vskip 1.5em
19909 {\usekomafont{date}{\@date \par}}%
19910 \vskip \z@ \@plus3fill
19911 {\usekomafont{publishers}{\@publishers \par}}%
19912 \vskip 3em
19913 \end{center}\par
19914 \@thanks\global\let\@thanks\@empty
19915 \vfill\null
19916 \if@twoside
19917 \@tempwatrue
19918 \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
19919 \else
19920 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
19921 \@tempwafalse
19922 \fi\fi
19923 \fi
19924 \if@tempswa
19925 \next@tpage
19926 \begin{minipage}[t]{\textwidth}
19927 \@uppertitleback
19928 \end{minipage}\par
19929 \vfill
19930 \begin{minipage}[b]{\textwidth}
19931 \@lowertitleback
19932 \end{minipage}\par
19933 \@thanks\global\let\@thanks\@empty
19934 \fi
19935 \else
19936 \ifx\@uppertitleback\@empty\else

```



```

19937         \ClassWarning{\KOMAClassName}{%
19938             non empty \string\uppertitleback\space ignored
19939             by \string\maketitle\MessageBreak
19940             in `twoside=false' mode%
19941         }%
19942     \fi
19943     \ifx\@lowertitleback\@empty\else
19944         \ClassWarning{\KOMAClassName}{%
19945             non empty \string\lowertitleback\space ignored
19946             by \string\maketitle\MessageBreak
19947             in `twoside=false' mode%
19948         }%
19949     \fi
19950 \fi
19951 \ifx\@dedication\@empty
19952 \else
19953     \next@tdpage\null\vfill
19954     {\centering\usekomafont{dedication}{\@dedication \par}}%
19955     \vskip \z@ \@plus3fill
19956     \@thanks\global\let\@thanks\@empty
19957     \cleardoubleemptypage
19958 \fi
19959 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
19960 \end{titlepage}
19961 \else
19962     \par
19963     \@tempcnta=%
19964     #1%
19965     \relax\ifnum\@tempcnta=1\else
19966         \ClassWarning{\KOMAClassName}{%
19967             Optional argument of \string\maketitle\space ignored\MessageBreak
19968             in `titlepage=false' mode%
19969         }%
19970     \fi
19971     \ifx\@uppertitleback\@empty\else
19972         \ClassWarning{\KOMAClassName}{%
19973             non empty \string\uppertitleback\space ignored
19974             by \string\maketitle\MessageBreak
19975             in `titlepage=false' mode%
19976         }%
19977     \fi
19978     \ifx\@lowertitleback\@empty\else
19979         \ClassWarning{\KOMAClassName}{%
19980             non empty \string\lowertitleback\space ignored
19981             by \string\maketitle\MessageBreak
19982             in `titlepage=false' mode%
19983         }%
19984     \fi
19985 \beginngroup
19986     \let\titlepage@restore\relax
19987     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19988     \let\@oldmakefnmark\@makefnmark
19989     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
19990     \next@tdpage

```



```

19991 \if@twocolumn
19992 \ifnum \col@number=\@ne
19993 \ifx\@extratitle\@empty
19994 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19995 \else
19996 \makeextratitle
19997 \fi
19998 \ifx\@frontispiece\@empty
19999 \ifx\@extratitle\@empty\else\next@tdpage\fi
20000 \else
20001 \next@tpage
20002 \makefrontispiece
20003 \next@tdpage
20004 \fi
20005 \maketitle
20006 \else
20007 \ifx\@extratitle\@empty
20008 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20009 \else
20010 \twocolumn[\makeextratitle]%
20011 \fi
20012 \ifx\@frontispiece\@empty
20013 \ifx\@extratitle\@empty\else\next@tdpage\fi
20014 \else
20015 \next@tpage
20016 \twocolumn[\makefrontispiece]%
20017 \next@tdpage
20018 \fi
20019 \twocolumn[\maketitle]%
20020 \fi
20021 \else
20022 \ifx\@extratitle\@empty
20023 \ifx\@frontispiece\@empty\else \mbox{}\fi
20024 \else
20025 \makeextratitle
20026 \fi
20027 \ifx\@frontispiece\@empty
20028 \ifx\@extratitle\@empty\else\next@tdpage\fi
20029 \else
20030 \next@tpage
20031 \makefrontispiece
20032 \next@tdpage
20033 \fi
20034 \maketitle
20035 \fi
20036 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
20037 \@thanks\global\let\@thanks\@empty
20038 \endgroup
20039 \fi
20040 \setcounter{footnote}{0}%
20041 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
20042 \let\thanks\relax
20043 \let\LTRthanks\relax
20044 \let\RTLthanks\relax

```




```

20045 \let\maketitle\relax
20046 \let\@maketitle\relax
20047 \global\let\@thanks\@empty
20048 \global\let\@author\@empty
20049 \global\let\@date\@empty
20050 \global\let\@title\@empty
20051 \global\let\@subtitle\@empty
20052 \global\let\@extratitle\@empty
20053 \global\let\@frontispiece\@empty
20054 \global\let\@titlehead\@empty
20055 \global\let\@subject\@empty
20056 \global\let\@publishers\@empty
20057 \global\let\@uppertitleback\@empty
20058 \global\let\@lowertitleback\@empty
20059 \global\let\@dedication\@empty
20060 \global\let\author\relax
20061 \global\let\title\relax
20062 \global\let\extratitle\relax
20063 \global\let\titlehead\relax
20064 \global\let\subject\relax
20065 \global\let\publishers\relax
20066 \global\let\uppertitleback\relax
20067 \global\let\lowertitleback\relax
20068 \global\let\dedication\relax
20069 \global\let\date\relax
20070 \fi
20071 \global\let\and\relax
20072 }%
20073 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
20074 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
20075 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
20076 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
20077 \renewcommand*\thesubsubsection{%
20078 \thesubsection\@SepMark\@arabic\c@subsubsection
20079 }
20080 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20081 \renewcommand*\thesubparagraph{%
20082 \theparagraph\@SepMark\@arabic\c@subparagraph
20083 }
20084 \renewenvironment{thebibliography}[1]{%
20085 \if@bib@break@
20086 \bib@beginhook
20087 \else
20088 \bib@heading
20089 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
20090 \noindent\bibpreamble\par\nobreak
20091 \fi\fi
20092 \bib@beginhook
20093 \bib@before@hook
20094 \fi
20095 \renewcommand{\BreakBibliography}[1]{%
20096 \@bib@break
20097 \end{thebibliography}}%
20098 \begingroup ##1\endgroup

```



```

20099 \begin{thebibliography}{#1}
20100 }%
20101 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
20102 \bidi@thebibliography@font@hook%
20103 \list{
20104 \@biblabel{\@arabic\c@enumiv}%
20105 }{
20106 \settowidth\labelwidth{\@biblabel{#1}}%
20107 \leftmargin\labelwidth
20108 \advance\leftmargin\labelsep
20109 \@openbib@code
20110 \if@bib@break@
20111 \edef\@tempa{
20112 \noexpand\usecounter{enumiv}%
20113 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
20114 }\@tempa
20115 \no@bib@break
20116 \else
20117 \usecounter{enumiv}%
20118 \fi
20119 \let\p@enumiv\@empty
20120 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
20121 }%
20122 \sloppy\clubpenalty4000 \widowpenalty4000
20123 \sfcode\.\@m
20124 }{
20125 \if@bib@break@
20126 \def\@noitemerr{%
20127 \@latex@warning{%
20128 \string\BreakBibliography\space at begin of `thebibliography'
20129 environment\MessageBreak
20130 or following \string\BreakBibliography}%
20131 }%
20132 \else
20133 \def\@noitemerr{%
20134 \@latex@warning{%
20135 Empty `thebibliography' environment or
20136 \string\BreakBibliography\MessageBreak
20137 before end of `thebibliography' environment}%
20138 }%
20139 \fi
20140 \endlist
20141 \if@bib@break@
20142 \else
20143 \bib@after@hook
20144 \let\bib@before@hook\@empty
20145 \let\bib@after@hook\@empty
20146 \fi
20147 \bib@endhook
20148 }
20149 \renewcommand*\@raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
20150 \renewcommand*\@raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
20151 \renewcommand*\@raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
20152 \renewcommand\marginline[1]{

```



```

20153 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
20154 }
20155 \renewcommand{\@@makecaption}[3]{%
20156 \cap@margin
20157 \begingroup
20158 \ifonelinecaptions
20159 \def\stepcounter##1{\advance\value{##1}\@ne}%
20160 \let\refstepcounter\stepcounter
20161 \let\label\@gobble
20162 \let\@footnotetext=\@gobble
20163 \let\@LTRfootnotetext=\@gobble
20164 \let\@RTLfootnotetext=\@gobble
20165 \let\hypertarget\@gobbletwo
20166 \edef\xnewline{%
20167 \unexpanded{\ClassInfo{\KOMAClassName}{%
20168 Workaround for not recommended usage of \string\ or\MessageBreak
20169 \string\newline in caption text
20170 }%
20171 \hspace*{\linewidth}\hspace{1sp}%
20172 }%
20173 \unexpanded\expandafter{\@xnewline}%
20174 }%
20175 \edef\xcentercr{%
20176 \unexpanded{\ClassInfo{\KOMAClassName}{%
20177 Workaround for not recommended usage of \string\ or\MessageBreak
20178 \string\newline in caption text
20179 }%
20180 \hspace*{\linewidth}\hspace{1sp}%
20181 }%
20182 \unexpanded\expandafter{\@xcentercr}%
20183 }%
20184 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
20185 \ifdim\@tempdima>\cap@width
20186 \aftergroup\scr@makemultilinecaption
20187 \else
20188 \aftergroup\scr@makesinglelinecaption
20189 \fi
20190 \else
20191 \aftergroup\scr@makemultilinecaption
20192 \fi
20193 \endgroup
20194 {#1}{#2}{#3}%
20195 }
20196 \renewcommand{\scr@makesinglelinecaption}[3]{%
20197 {%
20198 \usefontofkomafont{caption}{%
20199 \hb@xt@\hszize{%
20200 \cap@left
20201 \if@RTL
20202 \beginR
20203 \fi
20204 \scr@makesinglelinecaption{#1}{#2}{#3}%
20205 \if@RTL
20206 \endR

```



```

20207         \fi
20208         \cap@right
20209     }\par\kern\dp\strutbox%
20210     }%
20211 }\kern-\dp\strutbox
20212 }
20213 \renewcommand{\@makecaption}[2]{%
20214     \if@captionabove
20215         \vskip\belowcaptionskip
20216     \else
20217         \vskip\abovecaptionskip
20218     \fi
20219     \@makecaption\@firstofone{#1}{#2}%
20220     \if@captionabove
20221         \vskip\abovecaptionskip
20222     \else
20223         \vskip\belowcaptionskip
20224     \fi
20225 }
20226
20227 \renewcommand{\scr@makesinglelinecaption}[3]{%
20228     {\usekomafont{caption}\strut\ignorespaces
20229     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
20230     \ignorespaces #3\unskip}}%
20231 }
20232
20233 \renewcommand{\scr@makemultilinecaption}[3]{%
20234     {%
20235         \usefontofkomafont{caption}{%
20236             \hb@xt@\hsize{%
20237                 \cap@left
20238                 \vbox{\hsize\cap@width\linewidth\hsize
20239                     \scr@ifundefinedorrelax{@capttype}{%
20240                         \ClassWarning{\KOMAClassName}{%
20241                             `string\caption' outside float.\MessageBreak
20242                             Seems you are using `string\caption' outside a
20243                             float.\MessageBreak
20244                             Maybe you are using a package that uses
20245                             `string\@makecaption'\MessageBreak
20246                             without setting `string\@capttype' before.\MessageBreak
20247                             Because I cannot detect the caption type, I'm using\MessageBreak
20248                             the empty one.%
20249                         }%
20250                         \let\@capttype\@empty
20251                     }{}%
20252                     \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
20253                         \@nameuse{ragged\@capttype caption}%
20254                     }%
20255                     \ifdofullc@p
20256                         \@hangfrom{%
20257                             \strut
20258                             \scr@smashdp{%
20259                                 #1{%
20260                                     \usekomafont{caption}{%

```



```

20261             \usekomafont{captionlabel}{#2\captionformat}%
20262             }%
20263         }%
20264     }%
20265 }%
20266 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20267 \else
20268 \ifdim\cap@indent<\z@
20269     \strut
20270     #1{%
20271         {\usekomafont{caption}{%
20272             \usekomafont{captionlabel}{#2\captionformat}%
20273         }%
20274     }\par}%
20275     \noindent{{\usekomafont{caption}{%
20276         \hspace*{-\cap@indent}#3\scr@endstrut
20277     }}\par}%
20278 \else
20279     \if@capbreak
20280         \strut
20281         #1{%
20282             {\usekomafont{caption}{%
20283                 \usekomafont{captionlabel}{#2\captionformat}%
20284             }%
20285         }\par}%
20286     \noindent\@hangfrom{\hspace*{\cap@indent}}%
20287     {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20288 \else
20289     \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
20290     {%
20291         \hspace{-\cap@indent}%
20292         \scr@smashdp{%
20293             #1{\usekomafont{caption}{%
20294                 \usekomafont{captionlabel}{#2\captionformat}%
20295             }%
20296         }%
20297     }%
20298     {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20299     }%
20300     \fi
20301     \fi
20302     \fi
20303     }%
20304     \cap@right
20305     }\par\kern\dp\strutbox
20306     }%
20307     }\kern-\dp\strutbox
20308 }
20309
20310 \bidi@AfterFile{longtable-xetex-bidi.def}{%
20311     \if@komalongtable
20312         \renewcommand{\LT@makecaption}[3]{%
20313             \noalign{%
20314                 \if@captionabove

```



```

20315         \vskip\belowcaptionskip
20316     \else
20317         \vskip\abovecaptionskip
20318     \fi
20319 }%
20320 \LT@mcol\LT@cols c{%
20321     \hbox to\z@\{\hss\parbox[t]\linewidth{%
20322         \def\@capttype{table}%
20323         \@makecaption{#1}{#2}{#3}%
20324     \endgraf
20325     \if@captionabove
20326         \vskip\abovecaptionskip
20327     \else
20328         \vskip\belowcaptionskip
20329     \fi
20330 }%
20331 \hss
20332 }%
20333 }%
20334 }%
20335 \renewcommand*\{\scr@LT@array}{}%
20336 \let\scr@LT@array=\LT@array
20337 \renewcommand*\{\LT@array}{%
20338     \let\scr@caption=\LT@caption
20339     \def\captionabove{\noalign{\global\@captionabovetrue}%
20340         \scr@caption}%
20341     \def\captionbelow{\noalign{\global\@captionabovefalse}%
20342         \scr@caption}%
20343     \if@tablecaptionabove
20344         \let\LT@caption=\captionabove
20345     \else
20346         \let\LT@caption=\captionbelow
20347     \fi
20348     \scr@LT@array
20349 }%
20350 \ClassInfo{\KOMAClassName}{%
20351     longtable captions redefined%
20352 }%
20353 \fi
20354 }
20355
20356 \CloneTOCEntryStyle{tocline}{part}
20357 \TOCEntryStyleStartInitCode{part}{%
20358     \expandafter\renewcommand%
20359     \csname scr@tso@#1@linefill\endcsname{\hfill}%
20360     \expandafter\renewcommand%
20361     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
20362     \expandafter\renewcommand%
20363     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20364         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
20365     \expandafter\renewcommand\expandafter*%
20366     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
20367 }
20368

```



```

20369 \CloneTOCEntryStyle{tocline}{section}
20370 \TOCEntryStyleStartInitCode{section}{%
20371   \expandafter\renewcommand%
20372   \csname scr@tso@#1@linefill\endcsname{%
20373     \if@sectionentrywithdots
20374       {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
20375     \else
20376       \hfill
20377     \fi
20378   }%
20379   \expandafter\renewcommand%
20380   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
20381   \expandafter\renewcommand%
20382   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont
20383   \expandafter\renewcommand\expandafter*%
20384   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
20385 }
20386
20387 \CloneTOCEntryStyle{tocline}{subsection}
20388 \TOCEntryStyleStartInitCode{subsection}{%
20389   \expandafter\renewcommand%
20390   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20391   \expandafter\renewcommand%
20392   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20393     {\normalfont\normalcolor #1}}%
20394 }
20395
20396 \CloneTOCEntryStyle{subsection}{default}
20397
20398 \DeclareSectionCommand[%
20399   style=section,%
20400   level=1,%
20401   indent=\z@,%
20402   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
20403   afterskip=2.3ex \@plus .2ex,%
20404   tocstyle=section,%
20405   tocindent=Opt,%
20406   tocnumwidth=1.5em%
20407 ]{section}
20408 \DeclareSectionCommand[%
20409   style=part,%
20410   level=\z@,%
20411   tocstyle=part,%
20412   toclevel=\m@ne,%
20413   tocindent=\z@,%
20414   tocnumwidth=2em%
20415 ]{part}
20416 \DeclareSectionCommand[%
20417   style=section,%
20418   level=2,%
20419   indent=\z@,%
20420   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
20421   afterskip=1.5ex \@plus .2ex,%
20422   tocstyle=subsection,%

```



```

20423   tocindent=1.5em,%
20424   tocnumwidth=2.3em%
20425 ]{subsection}
20426 \DeclareSectionCommand[%
20427   style=section,%
20428   level=3,%
20429   indent=\z@,%
20430   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
20431   afterskip=1.5ex \@plus .2ex,%
20432   tocstyle=subsection,%
20433   tocindent=3.8em,%
20434   tocnumwidth=3.2em%
20435 ]{subsubsection}
20436 \DeclareSectionCommand[%
20437   style=section,%
20438   level=4,%
20439   indent=\z@,%
20440   beforekip=3.25ex \@plus1ex \@minus.2ex,%
20441   afterskip=-1em,%
20442   tocstyle=subsection,%
20443   tocindentfollows=subsubsection,%
20444   tocindent=7.0em,%
20445   tocnumwidth=4.1em%
20446 ]{paragraph}
20447 \DeclareSectionCommand[%
20448   style=section,%
20449   level=5,%
20450   indent=\scr@parindent,%
20451   beforekip=3.25ex \@plus1ex \@minus .2ex,%
20452   afterskip=-1em,%
20453   tocstyle=subsection,%
20454   tocindent=10em,%
20455   tocnumwidth=5em%
20456 ]{subparagraph}

```

142 File scrbook-xetex-bidi.def

```

20457 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class fo
20458 \newcommand{\scr@saved@LTRfootnotetext}{}
20459 \newcommand{\scr@saved@RTLfootnotetext}{}
20460 \let\scr@saved@footnotetext\@footnotetext
20461 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
20462 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
20463 \renewcommand{\@footnotetext}[1]{%
20464   \scr@saved@footnotetext{#1}%
20465   \csname FN@mf@prepare\endcsname
20466 }
20467 \renewcommand{\@LTRfootnotetext}[1]{%
20468   \scr@saved@LTRfootnotetext{#1}%
20469   \csname FN@mf@prepare\endcsname
20470 }
20471 \renewcommand{\@RTLfootnotetext}[1]{%
20472   \scr@saved@RTLfootnotetext{#1}%
20473   \csname FN@mf@prepare\endcsname

```




```

20474 }
20475 \renewcommand\deffootnote[4] []{%
20476   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
20477   \long\def\@makefntext##1{%
20478     \ExecuteDoHook{footnote/text/begin}%
20479     \raggedfootnote
20480     \if@RTL
20481       \rightskip
20482     \else
20483       \leftskip
20484     \fi
20485     #2
20486     \l@addto@macro\@trivlist{%
20487       \ifnum\@listdepth=\@ne\advance
20488         \if@RTL
20489           \rightmargin #2\relax
20490         \else
20491           \leftmargin #2\relax
20492         \fi
20493       \fi
20494     }%
20495     \parindent #3\noindent
20496     \IfArgIsEmpty{#1}{-}{%
20497       \hskip \dimexpr #1-#2\relax
20498     }%
20499     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
20500     \ExecuteDoHook{footnote/text/end}%
20501   }%
20502 \else
20503   \ClassInfo{\KOMAClassName}{%
20504     Using old \string\@makefntext\space due to compatibility
20505     level\MessageBreak
20506     less than 3.22}%
20507   \long\def\@makefntext##1{%
20508     \setlength{\@tempdimc}{#3}%
20509     \def\@tempa{#1}\ifx\@tempa\@empty
20510       \@setpar{\@par
20511         \@tempdima = \hspace
20512         \addtolength{\@tempdima}{-#2}%
20513         \if@RTL
20514           \parshape \@ne \z@ \@tempdima
20515         \else
20516           \parshape \@ne #2 \@tempdima
20517         \fi
20518       }%
20519     \else
20520       \addtolength{\@tempdimc}{#2}%
20521       \addtolength{\@tempdimc}{-#1}%
20522       \@setpar{\@par
20523         \@tempdima = \hspace
20524         \addtolength{\@tempdima}{-#1}%
20525         \@tempdimb = \hspace
20526         \addtolength{\@tempdimb}{-#2}%
20527         \if@RTL

```



```

20528         \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
20529         \else
20530         \parshape \tw@ #1 \@tempdima #2 \@tempdimb
20531         \fi
20532     }%
20533     \fi
20534     \par
20535     \parindent\@tempdimc\noindent
20536     \ftn@font\hbox to \z@\hss\@makefnmark}##1%
20537 }%
20538 \fi
20539 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
20540 }
20541 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
20542 \renewcommand*\left@footnoterule{%
20543     \normalsize\ftn@rule@test@values
20544     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
20545     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20546     {\usekomafont{footnoterule}{%
20547         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
20548     \kern 2.6\p@}
20549 \renewcommand*\right@footnoterule{%
20550     \normalsize\ftn@rule@test@values
20551     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
20552     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20553     {\usekomafont{footnoterule}{%
20554         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
20555         \kern 2.6\p@}
20556 \renewcommand*\maketitle[1][1]{%
20557     \expandafter\ifnum \cscname scr@v@3.12\endcscname>\scr@compatibility\relax
20558     \else
20559     \def\and{%
20560         \end{tabular}%
20561         \hskip 1em \@plus.17fil%
20562         \begin{tabular}[t]{c}%
20563     }%
20564     \fi
20565     \if@titlepage
20566     \begin{titlepage}
20567     \setcounter{page}{%
20568         #1%
20569     }%
20570     \if@titlepageiscoverpage
20571     \edef\titlepage@restore{%
20572         \noexpand\endgroup
20573         \noexpand\global\noexpand\@colht\the\@colht
20574         \noexpand\global\noexpand\@colroom\the\@colroom
20575         \noexpand\global\vsizethe\vsizethe
20576         \noexpand\global\noexpand\@titlepageiscoverpagefalse
20577         \noexpand\let\noexpand\titlepage@restore\noexpand\relax
20578     }%
20579     \begin{group}
20580     \topmargin=\dimexpr \coverpagetopmargin-1in\relax
20581     \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax

```



```

20582     \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
20583     \textwidth=\dimexpr
20584     \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
20585     \textheight=\dimexpr
20586     \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
20587     \headheight=0pt
20588     \headsep=0pt
20589     \footskip=\baselineskip
20590     \@colht=\textheight
20591     \@colroom=\textheight
20592     \vsize=\textheight
20593     \columnwidth=\textwidth
20594     \hsize=\columnwidth
20595     \linewidth=\hsize
20596   \else
20597     \let\titlepage@restore\relax
20598   \fi
20599   \let\footnotesize\small
20600   \let\right@footnoterule\relax
20601   \let\left@footnoterule\relax
20602   \let\textwidth@footnoterule\relax
20603   \let\footnote\thanks
20604   \let\LTRfootnote\LTRthanks
20605   \let\RTLfootnote\RTLthanks
20606   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20607   \let\oldmakefnmark\@makefnmark
20608   \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
20609   \ifx\@extratitle\@empty
20610     \ifx\@frontispiece\@empty
20611     \else
20612       \if@twoside\mbox{}\next@tpage\fi
20613       \noindent\@frontispiece\next@tdpage
20614     \fi
20615   \else
20616     \noindent\@extratitle
20617     \ifx\@frontispiece\@empty
20618     \else
20619       \next@tpage
20620       \noindent\@frontispiece
20621     \fi
20622     \next@tdpage
20623   \fi
20624   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
20625   \ifx\@titlehead\@empty \else
20626     \begin{minipage}[t]{\textwidth}%
20627       \usekomafont{titlehead}{\@titlehead\par}%
20628     \end{minipage}\par
20629   \fi
20630   \null\vfill
20631   \begin{center}
20632     \ifx\@subject\@empty \else
20633       {\usekomafont{subject}{\@subject\par}}%
20634     \vskip 3em
20635   \fi

```



```

20636     {\usekomafont{title}{\huge \@title\par}}%
20637     \vskip 1em
20638     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
20639     \vskip 2em
20640     {%
20641         \usekomafont{author}{%
20642             \lineskip 0.75em
20643             \begin{tabular}[t]{c}
20644                 \@author
20645             \end{tabular}\par
20646         }%
20647     }%
20648     \vskip 1.5em
20649     {\usekomafont{date}{\@date \par}}%
20650     \vskip \z@ \@plus3fill
20651     {\usekomafont{publishers}{\@publishers \par}}%
20652     \vskip 3em
20653 \end{center}\par
20654 \@thanks\global\let\@thanks\@empty
20655 \vfill\null
20656 \if@twoside
20657     \@tempwatrue
20658     \expandafter\ifnum \@nameuse{scr@v3.12}>\scr@compatibility\relax
20659     \else
20660         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
20661             \@tempwafalse
20662         \fi\fi
20663     \fi
20664     \if@tempswa
20665         \next@tpage
20666         \begin{minipage}[t]{\textwidth}
20667             \@uppertitleback
20668         \end{minipage}\par
20669         \vfill
20670         \begin{minipage}[b]{\textwidth}
20671             \@lowertitleback
20672         \end{minipage}\par
20673         \@thanks\global\let\@thanks\@empty
20674     \fi
20675 \else
20676     \ifx\@uppertitleback\@empty\else
20677         \ClassWarning{\KOMAClassName}{%
20678             non empty \string\uppertitleback\space ignored
20679             by \string\maketitle\MessageBreak
20680             in `twoside=false' mode%
20681         }%
20682     \fi
20683     \ifx\@lowertitleback\@empty\else
20684         \ClassWarning{\KOMAClassName}{%
20685             non empty \string\lowertitleback\space ignored
20686             by \string\maketitle\MessageBreak
20687             in `twoside=false' mode%
20688         }%
20689     \fi

```



```

20690     \fi
20691     \ifx\@dedication\@empty
20692     \else
20693         \next@tdpage\null\vfill
20694         {\centering\usekomafont{dedication}{\@dedication \par}}%
20695         \vskip \z@ \@plus3fill
20696         \@thanks\global\let\@thanks\@empty
20697         \cleardoubleemptypage
20698     \fi
20699     \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
20700 \end{titlepage}
20701 \else
20702     \par
20703     \@tempcnta=%
20704     #1%
20705     \relax\ifnum\@tempcnta=1\else
20706         \ClassWarning{\KOMAClassName}{%
20707             Optional argument of \string\maketitle\space ignored\MessageBreak
20708             in `titlepage=false' mode%
20709         }%
20710     \fi
20711     \ifx\@uppertitleback\@empty\else
20712         \ClassWarning{\KOMAClassName}{%
20713             non empty \string\uppertitleback\space ignored
20714             by \string\maketitle\MessageBreak
20715             in `titlepage=false' mode%
20716         }%
20717     \fi
20718     \ifx\@lowertitleback\@empty\else
20719         \ClassWarning{\KOMAClassName}{%
20720             non empty \string\lowertitleback\space ignored
20721             by \string\maketitle\MessageBreak
20722             in `titlepage=false' mode%
20723         }%
20724     \fi
20725     \begingroup
20726         \let\titlepage@restore\relax
20727         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20728         \let\@oldmakefnmark\@makefnmark
20729         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
20730     \next@tdpage
20731     \if@twocolumn
20732         \ifnum \col@number=\@ne
20733             \ifx\@extratitle\@empty
20734                 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20735             \else
20736                 \@makeextratitle
20737             \fi
20738             \ifx\@frontispiece\@empty
20739                 \ifx\@extratitle\@empty\else\next@tdpage\fi
20740             \else
20741                 \next@tpage
20742                 \@makefrontispiece
20743                 \next@tdpage

```



```

20744     \fi
20745     \@maketitle
20746   \else
20747     \ifx\@extratitle\@empty
20748       \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20749     \else
20750       \twocolumn[\@makeextratitle]%
20751     \fi
20752     \ifx\@frontispiece\@empty
20753       \ifx\@extratitle\@empty\else\next@tdpage\fi
20754     \else
20755       \next@tpage
20756       \twocolumn[\@makefrontispiece]%
20757       \next@tdpage
20758     \fi
20759     \twocolumn[\@maketitle]%
20760   \fi
20761 \else
20762   \ifx\@extratitle\@empty
20763     \ifx\@frontispiece\@empty\else \mbox{}\fi
20764   \else
20765     \@makeextratitle
20766   \fi
20767   \ifx\@frontispiece\@empty
20768     \ifx\@extratitle\@empty\else\next@tdpage\fi
20769   \else
20770     \next@tpage
20771     \@makefrontispiece
20772     \next@tdpage
20773   \fi
20774   \@maketitle
20775 \fi
20776   \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
20777   \@thanks\global\let\@thanks\@empty
20778 \endgroup
20779 \fi
20780 \setcounter{footnote}{0}%
20781 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
20782   \let\thanks\relax
20783   \let\LTRthanks\relax
20784   \let\RTLthanks\relax
20785   \let\maketitle\relax
20786   \let\@maketitle\relax
20787   \global\let\@thanks\@empty
20788   \global\let\@author\@empty
20789   \global\let\@date\@empty
20790   \global\let\@title\@empty
20791   \global\let\@subtitle\@empty
20792   \global\let\@extratitle\@empty
20793   \global\let\@frontispiece\@empty
20794   \global\let\@titlehead\@empty
20795   \global\let\@subject\@empty
20796   \global\let\@publishers\@empty
20797   \global\let\@uppertitleback\@empty

```



```

20798 \global\let\@lowertitleback\@empty
20799 \global\let\@dedication\@empty
20800 \global\let\author\relax
20801 \global\let\title\relax
20802 \global\let\extratitle\relax
20803 \global\let\titlehead\relax
20804 \global\let\subject\relax
20805 \global\let\publishers\relax
20806 \global\let\uppertitleback\relax
20807 \global\let\lowertitleback\relax
20808 \global\let\dedication\relax
20809 \global\let\date\relax
20810 \fi
20811 \global\let\and\relax
20812 }%
20813 \def\raggedsection{\ifRTL\raggedleft\else\raggedright\fi}
20814 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
20815 \renewcommand*\thesection{%
20816 \expandafter\ifnum\scr@v@is>{2.97d}%
20817 \if@mainmatter\thechapter\@SepMark\fi
20818 \else
20819 \thechapter\@SepMark%
20820 \fi
20821 \@arabic\c@section
20822 }
20823 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
20824 \renewcommand*\thesubsubsection{%
20825 \thesubsection\@SepMark\@arabic\c@subsubsection
20826 }
20827 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20828 \renewcommand*\thesubparagraph{%
20829 \theparagraph\@SepMark\@arabic\c@subparagraph
20830 }
20831 \expandafter\ifnum\scr@v@is<{2.97d}%
20832 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
20833 \fi
20834 \expandafter\ifnum\scr@v@is<{2.97d}%
20835 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
20836 \fi
20837 \renewcommand*\theequation{%
20838 \expandafter\ifnum\scr@v@is>{2.97d}%
20839 \if@mainmatter\thechapter\@SepMark\fi
20840 \else
20841 \thechapter\@SepMark%
20842 \fi
20843 \@arabic\c@equation
20844 }
20845 \renewenvironment{thebibliography}[1]{%
20846 \if@bib@break@
20847 \bib@beginhook
20848 \else
20849 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
20850 \setchapterpreamble{\bibpreamble}%
20851 \fi\fi

```



```

20852 \bib@heading
20853 \bib@beginhook
20854 \bib@before@hook
20855 \fi
20856 \renewcommand{\BreakBibliography}[1]{%
20857 \@bib@break
20858 \end{thebibliography}%
20859 \begingroup ##1\endgroup
20860 \begin{thebibliography}{#1}
20861 }%
20862 \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
20863 \bidi@thebibliography@font@hook%
20864 \list{%
20865 \@biblabel{\@arabic\c@enumiv}%
20866 }{%
20867 \settowidth\labelwidth{\@biblabel{#1}}%
20868 \leftmargin\labelwidth
20869 \advance\leftmargin\labelsep
20870 \@openbib@code
20871 \if@bib@break@
20872 \edef\@tempa{%
20873 \noexpand\usecounter{enumiv}%
20874 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
20875 }\@tempa
20876 \no@bib@break
20877 \else
20878 \usecounter{enumiv}%
20879 \fi
20880 \let\p@enumiv\@empty
20881 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
20882 }%
20883 \sloppy\clubpenalty4000 \widowpenalty4000
20884 \sfcode`.\=\@m
20885 }{%
20886 \if@bib@break@
20887 \def\@noitemerr{%
20888 \@latex@warning{%
20889 \string\BreakBibliography\space at begin of `thebibliography'
20890 environment\MessageBreak
20891 or following \string\BreakBibliography}%
20892 }%
20893 \else
20894 \def\@noitemerr{%
20895 \@latex@warning{%
20896 Empty `thebibliography' environment or
20897 \string\BreakBibliography\MessageBreak
20898 before end of `thebibliography' environment}%
20899 }%
20900 \fi
20901 \endlist
20902 \if@bib@break@
20903 \else
20904 \bib@after@hook
20905 \let\bib@before@hook\@empty

```




```

20906 \let\bib@after@hook\@empty
20907 \fi
20908 \bib@endhook
20909 }
20910 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
20911 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
20912 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
20913 \renewcommand\marginline[1]{%
20914 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}
20915 }
20916 \renewcommand{\@makecaption}[3]{%
20917 \cap@margin
20918 \begingroup
20919 \ifonelinecaptions
20920 \def\stepcounter##1{\advance\value{##1}\@ne}%
20921 \let\refstepcounter\stepcounter
20922 \let\label\@gobble
20923 \let\@footnotetext=\@gobble
20924 \let\@LTRfootnotetext=\@gobble
20925 \let\@RTLfootnotetext=\@gobble
20926 \let\hypertarget\@gobbletwo
20927 \edef\xnewline{%
20928 \unexpanded{\ClassInfo{\KOMAClassName}{%
20929 Workaround for not recommended usage of \string\\ or\MessageBreak
20930 \string\newline in caption text
20931 }%
20932 \hspace*{\linewidth}\hspace{1sp}}%
20933 }%
20934 \unexpanded\expandafter{\xnewline}%
20935 }%
20936 \edef\xcentercr{%
20937 \unexpanded{\ClassInfo{\KOMAClassName}{%
20938 Workaround for not recommended usage of \string\\ or\MessageBreak
20939 \string\newline in caption text
20940 }%
20941 \hspace*{\linewidth}\hspace{1sp}}%
20942 }%
20943 \unexpanded\expandafter{\xcentercr}%
20944 }%
20945 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
20946 \ifdim\@tempdima>\cap@width
20947 \aftergroup\scr@makemultilinecaption
20948 \else
20949 \aftergroup\scr@makesinglelinecaption
20950 \fi
20951 \else
20952 \aftergroup\scr@makemultilinecaption
20953 \fi
20954 \endgroup
20955 {#1}{#2}{#3}}%
20956 }
20957 \renewcommand{\scr@makesinglelinecaption}[3]{%
20958 {%
20959 \usefontofkomafont{caption}{%

```



```

20960     \hb@xt@\hsize{%
20961     \cap@left
20962     \if@RTL
20963     \beginR
20964     \fi
20965     \scr@makesinglelinecaption{#1}{#2}{#3}%
20966     \if@RTL
20967     \endR
20968     \fi
20969     \cap@right
20970     }\par\kern\dp\strutbox%
20971     }%
20972     }\kern-\dp\strutbox
20973 }
20974 \renewcommand{\@makecaption}[2]{%
20975   \if@captionabove
20976     \vskip\belowcaptionskip
20977   \else
20978     \vskip\abovecaptionskip
20979   \fi
20980   \@makecaption\@firstofone{#1}{#2}%
20981   \if@captionabove
20982     \vskip\abovecaptionskip
20983   \else
20984     \vskip\belowcaptionskip
20985   \fi
20986 }
20987
20988 \renewcommand{\scr@makesinglelinecaption}[3]{%
20989   {\usekomafont{caption}{\strut\ignorespaces
20990     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
20991     \ignorespaces #3\unskip}}%
20992 }
20993
20994 \renewcommand{\scr@makemultilinecaption}[3]{%
20995   {%
20996     \usefontofkomafont{caption}{%
20997       \hb@xt@\hsize{%
20998         \cap@left
20999         \vbox{\hsize\cap@width\linewidth\hsize
21000           \scr@ifundefinedorrelax{@capttype}{%
21001             \ClassWarning{\KOMAClassName}{%
21002               ``\string\caption' outside float.\MessageBreak
21003               Seems you are using ``\string\caption' outside a
21004               float.\MessageBreak
21005               Maybe you are using a package that uses
21006               ``\string\@makecaption'\MessageBreak
21007               without setting ``\string\@capttype' before.\MessageBreak
21008               Because I cannot detect the caption type, I'm using\MessageBreak
21009               the empty one.%
21010             }%
21011             \let\@capttype\@empty
21012           }{}}%
21013           \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%

```



```

21014         \@nameuse{ragged\@captype caption}%
21015     }%
21016     \ifdofullc@p
21017         \@hangfrom{%
21018             \strut
21019             \scr@smashdp{%
21020                 #1{%
21021                     \usekomafont{caption}{%
21022                         \usekomafont{captionlabel}{#2\captionformat}%
21023                     }%
21024                 }%
21025             }%
21026         }%
21027         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21028     \else
21029         \ifdim\cap@indent<\z@
21030             \strut
21031             #1{%
21032                 {\usekomafont{caption}{%
21033                     \usekomafont{captionlabel}{#2\captionformat}%
21034                 }%
21035             }\par}%
21036             \noindent{{\usekomafont{caption}{%
21037                 \hspace*{-\cap@indent}#3\scr@endstrut
21038             }}\par}%
21039         \else
21040             \if@capbreak
21041                 \strut
21042                 #1{%
21043                     {\usekomafont{caption}{%
21044                         \usekomafont{captionlabel}{#2\captionformat}%
21045                     }
21046                 }\par}%
21047                 \noindent\@hangfrom{\hspace*{\cap@indent}}%
21048                 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21049             \else
21050                 \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
21051                 {%
21052                     \hspace{-\cap@indent}%
21053                     \scr@smashdp{%
21054                         #1{\usekomafont{caption}{%
21055                             \usekomafont{captionlabel}{#2\captionformat}%
21056                         }%
21057                     }%
21058                 }%
21059                 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21060             }%
21061             \fi
21062         \fi
21063     \fi
21064 }%
21065 \cap@right
21066 }\par\kern\dp\strutbox
21067 }%

```



```

21068 } \kern-\dp\strutbox
21069 }
21070
21071
21072 \bidi@AfterFile{longtable-xetex-bidi.def}{%
21073   \if@komalongtable
21074     \renewcommand{\LT@makecaption}[3]{%
21075       \noalign{%
21076         \if@captionabove
21077           \vskip\belowcaptionskip
21078         \else
21079           \vskip\abovecaptionskip
21080         \fi
21081       }%
21082     \LT@mc@LT@cols c{%
21083       \hbox to\z@{\hss\parbox[t]{\linewidth{%
21084         \def\@capttype{table}%
21085         \@makecaption{#1}{#2}{#3}%
21086         \endgraf
21087         \if@captionabove
21088           \vskip\abovecaptionskip
21089         \else
21090           \vskip\belowcaptionskip
21091         \fi
21092       }%
21093       \hss
21094     }%
21095   }%
21096 }%
21097 \renewcommand*\scr@LT@array{}%
21098 \let\scr@LT@array=\LT@array
21099 \renewcommand*\LT@array{%
21100   \let\scr@caption=\LT@caption
21101   \def\captionabove{\noalign{\global\@captionabovetrue}%
21102     \scr@caption}%
21103   \def\captionbelow{\noalign{\global\@captionabovefalse}%
21104     \scr@caption}%
21105   \if@tablecaptionabove
21106     \let\LT@caption=\captionabove
21107   \else
21108     \let\LT@caption=\captionbelow
21109   \fi
21110   \scr@LT@array
21111 }%
21112 \ClassInfo{\KOMAClassName}{%
21113   longtable captions redefined%
21114 }%
21115 \fi
21116 }
21117
21118 \CloneTOCEntryStyle{tocline}{part}
21119 \TOCEntryStyleStartInitCode{part}{%
21120   \expandafter\renewcommand%
21121   \csname scr@tso@#1@linefill\endcsname{\hfill}%

```



```

21122 \expandafter\renewcommand%
21123 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
21124 \expandafter\renewcommand%
21125 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21126   {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
21127 \expandafter\renewcommand\expandafter*%
21128 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
21129 }
21130
21131 \CloneTOCEntryStyle{tocline}{chapter}
21132 \TOCEntryStyleStartInitCode{chapter}{%
21133   \expandafter\renewcommand%
21134   \csname scr@tso@#1@linefill\endcsname{%
21135     \if@chapterentrywithdots
21136       {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
21137     \else
21138       \hfill
21139     \fi
21140   }%
21141   \expandafter\renewcommand%
21142   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
21143   \expandafter\renewcommand%
21144   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21145     {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
21146   \expandafter\renewcommand\expandafter*%
21147   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
21148 }
21149
21150 \CloneTOCEntryStyle{tocline}{section}
21151 \TOCEntryStyleStartInitCode{section}{%
21152   \expandafter\renewcommand%
21153   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
21154   \expandafter\renewcommand%
21155   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21156     {\normalfont\normalcolor ##1}}%
21157 }
21158
21159 \CloneTOCEntryStyle{section}{default}
21160
21161 \DeclareSectionCommand[%
21162   style=chapter,%
21163   level=\z@,%
21164   pagestyle=plain,%
21165   tocstyle=chapter,%
21166   tocindent=\z@,%
21167   tocnumwidth=1.5em%
21168 ]{chapter}
21169 \DeclareSectionCommand[%
21170   style=section,%
21171   level=1,%
21172   indent=\z@,%
21173   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
21174   afterskip=2.3ex \@plus .2ex,%
21175   tocstyle=section,%

```



```

21176 tocindentfollows=chapter,%
21177 tocindent=1.5em,%
21178 tocnumwidth=2.3em%
21179 ]{section}
21180 \DeclareSectionCommand[%
21181 style=part,%
21182 level=\m@ne,%
21183 pagestyle=plain,%
21184 tocstyle=part,%
21185 toclevel=\m@ne,%
21186 tocindent=\z@,%
21187 tocnumwidth=2em%
21188 ]{part}
21189 \DeclareSectionCommand[%
21190 style=section,%
21191 level=2,%
21192 indent=\z@,%
21193 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
21194 afterskip=1.5ex \@plus .2ex,%
21195 tocstyle=section,%
21196 tocindent=3.8em,%
21197 tocnumwidth=3.2em%
21198 ]{subsection}
21199 \DeclareSectionCommand[%
21200 style=section,%
21201 level=3,%
21202 indent=\z@,%
21203 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
21204 afterskip=1.5ex \@plus .2ex,%
21205 tocstyle=section,%
21206 tocindent=7.0em,%
21207 tocnumwidth=4.1em%
21208 ]{subsubsection}
21209 \DeclareSectionCommand[%
21210 style=section,%
21211 level=4,%
21212 indent=\z@,%
21213 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
21214 afterskip=-1em,%
21215 tocindentfollows=subsubsection,%
21216 tocstyle=section,%
21217 tocindent=10em,%
21218 tocnumwidth=5em%
21219 ]{paragraph}
21220 \DeclareSectionCommand[%
21221 style=section,%
21222 level=5,%
21223 indent=\scr@parindent,%
21224 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
21225 afterskip=-1em,%
21226 tocstyle=section,%
21227 tocindent=12em,%
21228 tocnumwidth=6em%
21229 ]{subparagraph}

```



143 File `scrreprt-xetex-bidi.def`

```
21230 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class
21231 \newcommand{\scr@saved@LTRfootnotetext}{}
21232 \newcommand{\scr@saved@RTLfootnotetext}{}
21233 \let\scr@saved@footnotetext\@footnotetext
21234 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
21235 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
21236 \renewcommand{\@footnotetext}[1]{%
21237   \scr@saved@footnotetext{#1}%
21238   \csname FN@mfb@prepare\endcsname
21239 }
21240 \renewcommand{\@LTRfootnotetext}[1]{%
21241   \scr@saved@LTRfootnotetext{#1}%
21242   \csname FN@mfb@prepare\endcsname
21243 }
21244 \renewcommand{\@RTLfootnotetext}[1]{%
21245   \scr@saved@RTLfootnotetext{#1}%
21246   \csname FN@mfb@prepare\endcsname
21247 }
21248 \renewcommand\deffootnote[4][1]{%
21249   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
21250     \long\def\@makefnmark##1{%
21251       \ExecuteDoHook{footnote/text/begin}%
21252       \raggedfootnote
21253       \if@RTL
21254         \rightskip
21255       \else
21256         \leftskip
21257       \fi
21258       #2
21259       \l@addto@macro\@trivlist{%
21260         \ifnum\@listdepth=\@ne
21261           \if@RTL
21262             \advance\rightmargin #2\relax
21263           \else
21264             \advance\leftmargin #2\relax
21265           \fi
21266         \fi
21267       }%
21268       \parindent #3\noindent
21269       \IfArgIsEmpty{#1}{}{-%
21270         \hskip \dimexpr #1-#2\relax
21271       }%
21272       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21273       \ExecuteDoHook{footnote/text/end}%
21274     }%
21275   \else
21276     \ClassInfo{\KOMAClassName}{-%
21277       Using old \string\@makefnmark\space due to compatibility
21278       level\MessageBreak
21279       less than 3.22}%
21280     \long\def\@makefnmark##1{%
21281       \setlength{\@tempdimc}{#3}%
```



```

21282 \def\@tempa{#1}\ifx\@tempa\@empty
21283 \setpar{\@par
21284 \tempdima = \hsize
21285 \addtolength{\tempdima}{-#2}%
21286 \if@RTL
21287 \parshape \@ne \z@ \tempdima
21288 \else
21289 \parshape \@ne #2 \tempdima
21290 \fi
21291 }%
21292 \else
21293 \addtolength{\tempdimc}{#2}%
21294 \addtolength{\tempdimc}{-#1}%
21295 \setpar{\@par
21296 \tempdima = \hsize
21297 \addtolength{\tempdima}{-#1}%
21298 \tempdimb = \hsize
21299 \addtolength{\tempdimb}{-#2}%
21300 \if@RTL
21301 \parshape \tw@ \z@ \tempdima \z@ \tempdimb
21302 \else
21303 \parshape \tw@ #1 \tempdima #2 \tempdimb
21304 \fi
21305 }%
21306 \fi
21307 \par
21308 \parindent\tempdimc\noindent
21309 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21310 }%
21311 \fi
21312 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
21313 }
21314 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
21315 \renewcommand*\left@footnoterule{%
21316 \normalsize\ftn@rule@test@values
21317 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21318 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21319 {\usekomafont{footnoterule}{%
21320 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
21321 \kern 2.6\p@}
21322 \renewcommand*\right@footnoterule{%
21323 \normalsize\ftn@rule@test@values
21324 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21325 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21326 {\usekomafont{footnoterule}{%
21327 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
21328 \kern 2.6\p@}
21329 \renewcommand*\maketitle[1][1]{%
21330 \expandafter\ifnum \cscname scr@v@3.12\endcsname>\scr@compatibility\relax
21331 \else
21332 \def\and{%
21333 \end{tabular}}%
21334 \hskip 1em \@plus.17fil%
21335 \begin{tabular}[t]{c}%

```




```

21336 }%
21337 \fi
21338 \if@titlepage
21339 \begin{titlepage}
21340 \setcounter{page}{%
21341 #1%
21342 }%
21343 \if@titlepageiscoverpage
21344 \edef\titlepage@restore{%
21345 \noexpand\endgroup
21346 \noexpand\global\noexpand\@colht\the\@colht
21347 \noexpand\global\noexpand\@colroom\the\@colroom
21348 \noexpand\global\vsizethe\vsizethe
21349 \noexpand\global\noexpand\@titlepageiscoverpagefalse
21350 \noexpand\let\noexpand\titlepage@restore\noexpand\relax
21351 }%
21352 \begingroup
21353 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
21354 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
21355 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
21356 \textwidth=\dimexpr
21357 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
21358 \textheight=\dimexpr
21359 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
21360 \headheight=0pt
21361 \headsep=0pt
21362 \footskip=\baselineskip
21363 \@colht=\textheight
21364 \@colroom=\textheight
21365 \vsizethe=\textheight
21366 \columnwidth=\textwidth
21367 \hsizethe=\columnwidth
21368 \linewidth=\hsizethe
21369 \else
21370 \let\titlepage@restore\relax
21371 \fi
21372 \let\footnotesize\small
21373 \let\right@footnoterule\relax
21374 \let\left@footnoterule\relax
21375 \let\textwidth@footnoterule\relax
21376 \let\footnote\thanks
21377 \let\LTRfootnote\LTRthanks
21378 \let\RTLfootnote\RTLthanks
21379 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21380 \let\@oldmakefnmark\@makefnmark
21381 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
21382 \ifx\@extratitle\@empty
21383 \ifx\@frontispiece\@empty
21384 \else
21385 \if@twoside\mbox{}\next@tpage\fi
21386 \noindent\@frontispiece\next@tdpage
21387 \fi
21388 \else
21389 \noindent\@extratitle

```



```

21390     \ifx\@frontispiece\@empty
21391     \else
21392         \next@tpage
21393         \noindent\@frontispiece
21394     \fi
21395     \next@tdpage
21396 \fi
21397 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
21398 \ifx\@titlehead\@empty \else
21399     \begin{minipage}[t]{\textwidth}%
21400         \usekomafont{titlehead}{\@titlehead\par}%
21401     \end{minipage}\par
21402 \fi
21403 \null\vfill
21404 \begin{center}
21405     \ifx\@subject\@empty \else
21406         {\usekomafont{subject}{\@subject\par}}%
21407         \vskip 3em
21408     \fi
21409     {\usekomafont{title}{\huge \@title\par}}%
21410     \vskip 1em
21411     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
21412     \vskip 2em
21413     {%
21414         \usekomafont{author}{%
21415             \lineskip 0.75em
21416             \begin{tabular}[t]{c}
21417                 \@author
21418             \end{tabular}\par
21419         }%
21420     }%
21421     \vskip 1.5em
21422     {\usekomafont{date}{\@date \par}}%
21423     \vskip \z@ \@plus3fill
21424     {\usekomafont{publishers}{\@publishers \par}}%
21425     \vskip 3em
21426 \end{center}\par
21427 \@thanks\global\let\@thanks\@empty
21428 \vfill\null
21429 \if@twoside
21430     \@tempwattrue
21431     \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
21432     \else
21433         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
21434             \@tempwafalse
21435         \fi\fi
21436     \fi
21437 \if@tempwa
21438     \next@tpage
21439     \begin{minipage}[t]{\textwidth}
21440         \@uppertitleback
21441     \end{minipage}\par
21442     \vfill
21443     \begin{minipage}[b]{\textwidth}

```



```

21444         \@lowertitleback
21445         \end{minipage}\par
21446         \@thanks\global\let\@thanks\@empty
21447     \fi
21448 \else
21449     \ifx\@uppertitleback\@empty\else
21450         \ClassWarning{\KOMAClassName}{%
21451             non empty \string\uppertitleback\space ignored
21452             by \string\maketitle\MessageBreak
21453             in `twoside=false' mode%
21454         }%
21455     \fi
21456     \ifx\@lowertitleback\@empty\else
21457         \ClassWarning{\KOMAClassName}{%
21458             non empty \string\lowertitleback\space ignored
21459             by \string\maketitle\MessageBreak
21460             in `twoside=false' mode%
21461         }%
21462     \fi
21463 \fi
21464 \ifx\@dedication\@empty
21465 \else
21466     \next@tdpage\null\vfill
21467     {\centering\usekomafont{dedication}{\@dedication \par}}%
21468     \vskip \z@ \@plus3fill
21469     \@thanks\global\let\@thanks\@empty
21470     \cleardoubleemptypage
21471 \fi
21472 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
21473 \end{titlepage}
21474 \else
21475     \par
21476     \@tempcnta=%
21477     #1%
21478     \relax\ifnum\@tempcnta=1\else
21479         \ClassWarning{\KOMAClassName}{%
21480             Optional argument of \string\maketitle\space ignored\MessageBreak
21481             in `titlepage=false' mode%
21482         }%
21483     \fi
21484     \ifx\@uppertitleback\@empty\else
21485         \ClassWarning{\KOMAClassName}{%
21486             non empty \string\uppertitleback\space ignored
21487             by \string\maketitle\MessageBreak
21488             in `titlepage=false' mode%
21489         }%
21490     \fi
21491     \ifx\@lowertitleback\@empty\else
21492         \ClassWarning{\KOMAClassName}{%
21493             non empty \string\lowertitleback\space ignored
21494             by \string\maketitle\MessageBreak
21495             in `titlepage=false' mode%
21496         }%
21497     \fi

```



```

21498 \begingroup
21499   \let\titlepage@restore\relax
21500   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21501   \let\@oldmakefnmark\@makefnmark
21502   \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
21503   \next@tdpage
21504   \if@twocolumn
21505     \ifnum \col@number=\@ne
21506       \ifx\@extratitle\@empty
21507         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21508       \else
21509         \@makeextratitle
21510       \fi
21511       \ifx\@frontispiece\@empty
21512         \ifx\@extratitle\@empty\else\next@tdpage\fi
21513       \else
21514         \next@tpage
21515         \@makefrontispiece
21516         \next@tdpage
21517       \fi
21518       \@maketitle
21519     \else
21520       \ifx\@extratitle\@empty
21521         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21522       \else
21523         \twocolumn[\@makeextratitle]%
21524       \fi
21525       \ifx\@frontispiece\@empty
21526         \ifx\@extratitle\@empty\else\next@tdpage\fi
21527       \else
21528         \next@tpage
21529         \twocolumn[\@makefrontispiece]%
21530         \next@tdpage
21531       \fi
21532       \twocolumn[\@maketitle]%
21533     \fi
21534   \else
21535     \ifx\@extratitle\@empty
21536       \ifx\@frontispiece\@empty\else \mbox{}\fi
21537     \else
21538       \@makeextratitle
21539     \fi
21540     \ifx\@frontispiece\@empty
21541       \ifx\@extratitle\@empty\else\next@tdpage\fi
21542     \else
21543       \next@tpage
21544       \@makefrontispiece
21545       \next@tdpage
21546     \fi
21547     \@maketitle
21548   \fi
21549   \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
21550   \@thanks\global\let\@thanks\@empty
21551 \endgroup

```



```

21552 \fi
21553 \setcounter{footnote}{0}%
21554 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
21555 \let\thanks\relax
21556 \let\LTRthanks\relax
21557 \let\RTLthanks\relax
21558 \let\maketitle\relax
21559 \let\@maketitle\relax
21560 \global\let\@thanks\@empty
21561 \global\let\@author\@empty
21562 \global\let\@date\@empty
21563 \global\let\@title\@empty
21564 \global\let\@subtitle\@empty
21565 \global\let\@extratitle\@empty
21566 \global\let\@frontispiece\@empty
21567 \global\let\@titlehead\@empty
21568 \global\let\@subject\@empty
21569 \global\let\@publishers\@empty
21570 \global\let\@uppertitleback\@empty
21571 \global\let\@lowertitleback\@empty
21572 \global\let\@dedication\@empty
21573 \global\let\author\relax
21574 \global\let\title\relax
21575 \global\let\extratitle\relax
21576 \global\let\titlehead\relax
21577 \global\let\subject\relax
21578 \global\let\publishers\relax
21579 \global\let\uppertitleback\relax
21580 \global\let\lowertitleback\relax
21581 \global\let\dedication\relax
21582 \global\let\date\relax
21583 \fi
21584 \global\let\and\relax
21585 }%
21586 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
21587 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
21588 \renewcommand*\thesection{%
21589 \thechapter\@SepMark%
21590 \@arabic\c@section
21591 }
21592 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
21593 \renewcommand*{\thesubsubsection}{%
21594 \thesubsection\@SepMark\@arabic\c@subsubsection
21595 }
21596 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
21597 \renewcommand*{\thesubparagraph}{%
21598 \theparagraph\@SepMark\@arabic\c@subparagraph
21599 }
21600 \expandafter\ifnum\scr@v@is@le{2.97d}%
21601 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
21602 \fi
21603 \expandafter\ifnum\scr@v@is@le{2.97d}%
21604 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
21605 \fi

```



```

21606 \renewcommand*\theequation{%
21607   \thechapter\@SepMark%
21608   \@arabic\c@equation
21609 }
21610 \renewenvironment{thebibliography}[1]{%
21611   \if@bib@break@
21612     \bib@beginhook
21613   \else
21614     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
21615       \setchapterpreamble{\bibpreamble}%
21616     \fi\fi
21617     \bib@heading
21618     \bib@beginhook
21619     \bib@before@hook
21620   \fi
21621   \renewcommand{\BreakBibliography}[1]{%
21622     \@bib@break
21623     \end{thebibliography}%
21624     \begingroup ##1\endgroup
21625     \begin{thebibliography}{#1}
21626   }%
21627   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
21628   \bidi@thebibliography@font@hook%
21629   \list{%
21630     \@biblabel{\@arabic\c@enumiv}%
21631   }{%
21632     \settowidth\labelwidth{\@biblabel{#1}}%
21633     \leftmargin\labelwidth
21634     \advance\leftmargin\labelsep
21635     \@openbib@code
21636     \if@bib@break@
21637       \edef\@tempa{%
21638         \noexpand\usecounter{enumiv}%
21639         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
21640       }\@tempa
21641       \no@bib@break
21642     \else
21643       \usecounter{enumiv}%
21644     \fi
21645     \let\p@enumiv\@empty
21646     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
21647   }%
21648   \sloppy\clubpenalty4000 \widowpenalty4000
21649   \sfcode`.=\@m
21650 }{%
21651   \if@bib@break@
21652     \def\@noitemerr{%
21653       \@latex@warning{%
21654         \string\BreakBibliography\space at begin of `thebibliography'
21655         environment\MessageBreak
21656         or following \string\BreakBibliography}%
21657     }%
21658   \else
21659     \def\@noitemerr{%

```



```

21660     \@latex@warning{%
21661         Empty `thebibliography' environment or
21662         \string\BreakBibliography\MessageBreak
21663         before end of `thebibliography' environment}%
21664     }%
21665     \fi
21666     \endlist
21667     \if@bib@break@
21668     \else
21669         \bib@after@hook
21670         \let\bib@before@hook\@empty
21671         \let\bib@after@hook\@empty
21672     \fi
21673     \bib@endhook
21674 }
21675 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
21676 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
21677 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
21678 \renewcommand\marginline[1]{%
21679     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}
21680 }
21681 \renewcommand{\@@makecaption}[3]{%
21682     \cap@margin
21683     \begingroup
21684     \ifonelinecaptions
21685         \def\stepcounter##1{\advance\value{##1}\@ne}%
21686         \let\refstepcounter\stepcounter
21687         \let\label\@gobble
21688         \let\@footnotetext=\@gobble
21689         \let\@LTRfootnotetext=\@gobble
21690         \let\@RTLfootnotetext=\@gobble
21691         \let\hypertarget\@gobbletwo
21692         \edef\xnewline{%
21693             \unexpanded{\ClassInfo{\KOMAClassName}{%
21694                 Workaround for not recommended usage of \string\\ or\MessageBreak
21695                 \string\newline in caption text
21696             }}%
21697             \hspace*{\linewidth}\hspace{1sp}%
21698         }%
21699         \unexpanded\expandafter{\xnewline}%
21700     }%
21701     \edef\xcentercr{%
21702         \unexpanded{\ClassInfo{\KOMAClassName}{%
21703             Workaround for not recommended usage of \string\\ or\MessageBreak
21704             \string\newline in caption text
21705         }}%
21706         \hspace*{\linewidth}\hspace{1sp}%
21707     }%
21708     \unexpanded\expandafter{\xcentercr}%
21709 }%
21710 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
21711 \ifdim\@tempdima>\cap@width
21712     \aftergroup\scr@makemultilinecaption
21713 \else

```



```

21714         \aftergroup\scr@makesinglelinecaption
21715         \fi
21716     \else
21717         \aftergroup\scr@makemultilinecaption
21718     \fi
21719 \endgroup
21720 {#1}{#2}{#3}%
21721 }
21722 \renewcommand{\scr@makesinglelinecaption}[3]{%
21723     {%
21724         \usefontofkomafont{caption}{%
21725             \hb@xt@\hsize{%
21726                 \cap@left
21727                 \if@RTL
21728                     \beginR
21729                     \fi
21730                 \scr@makesinglelinecaption{#1}{#2}{#3}%
21731                 \if@RTL
21732                     \endR
21733                 \fi
21734                 \cap@right
21735             }\par\kern\dp\strutbox%
21736         }%
21737     }\kern-\dp\strutbox
21738 }
21739 \renewcommand{\@makecaption}[2]{%
21740     \if@captionabove
21741         \vskip\belowcaptionskip
21742     \else
21743         \vskip\abovecaptionskip
21744     \fi
21745     \@makecaption\@firstofone{#1}{#2}%
21746     \if@captionabove
21747         \vskip\abovecaptionskip
21748     \else
21749         \vskip\belowcaptionskip
21750     \fi
21751 }
21752
21753 \renewcommand{\scr@@makesinglelinecaption}[3]{%
21754     {\usekomafont{caption}{\strut\ignorespaces
21755         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
21756     \ignorespaces #3\unskip}}%
21757 }
21758
21759 \renewcommand{\scr@makemultilinecaption}[3]{%
21760     {%
21761         \usefontofkomafont{caption}{%
21762             \hb@xt@\hsize{%
21763                 \cap@left
21764                 \vbox{\hsize\cap@width\linewidth\hsize
21765                     \scr@ifundefinedorrelax{@captype}{%
21766                         \ClassWarning{KOMAClassName}{%
21767                             `string\caption' outside float.\MessageBreak

```




```

21768         Seems you are using '\string\caption' outside a
21769         float.\MessageBreak
21770         Maybe you are using a package that uses
21771         '\string\@makecaption'\MessageBreak
21772         without setting '\string\@capttype' before.\MessageBreak
21773         Because I cannot detect the caption type, I'm using\MessageBreak
21774         the empty one.%
21775     }%
21776     \let\@capttype\@empty
21777 }-%
21778 \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
21779     \@nameuse{ragged\@capttype caption}%
21780 }%
21781 \ifdofullc@p
21782     \@hangfrom{%
21783         \strut
21784         \scr@smashdp{%
21785             #1{%
21786                 \usekomafont{caption}{%
21787                     \usekomafont{captionlabel}{#2\captionformat}%
21788                 }%
21789             }%
21790         }%
21791     }%
21792     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
21793 \else
21794     \ifdim\cap@indent<\z@
21795         \strut
21796         #1{%
21797             {\usekomafont{caption}{%
21798                 \usekomafont{captionlabel}{#2\captionformat}%
21799             }%
21800         }\par}%
21801         \noindent{{\usekomafont{caption}{%
21802             \hspace*{-\cap@indent}#3\scr@endstrut
21803         }}\par}%
21804     \else
21805         \if@capbreak
21806             \strut
21807             #1{%
21808                 {\usekomafont{caption}{%
21809                     \usekomafont{captionlabel}{#2\captionformat}%
21810                 }%
21811             }\par}%
21812             \noindent\@hangfrom{\hspace*{\cap@indent}}%
21813             {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21814         \else
21815             \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
21816             {%
21817                 \hspace{-\cap@indent}%
21818                 \scr@smashdp{%
21819                     #1{\usekomafont{caption}{%
21820                         \usekomafont{captionlabel}{#2\captionformat}%
21821                     }%

```



```

21822             }%
21823         }%
21824         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21825     }%
21826     \fi
21827     \fi
21828     \fi
21829     }%
21830     \cap@right
21831     }\par\kern\dp\strutbox
21832     }%
21833     }\kern-\dp\strutbox
21834 }
21835
21836
21837 \bidi@AfterFile{longtable-xetex-bidi.def}{%
21838     \if@komalongtable
21839     \renewcommand{\LT@makecaption}[3]{%
21840     \noalign{%
21841     \if@captionabove
21842     \vskip\belowcaptionskip
21843     \else
21844     \vskip\abovecaptionskip
21845     \fi
21846     }%
21847     \LT@mc@col\LT@cols c{%
21848     \hbox to\z@{\hss\parbox[t]{\linewidth}{%
21849     \def\@capttype{table}%
21850     \@@makecaption{#1}{#2}{#3}%
21851     \endgraf
21852     \if@captionabove
21853     \vskip\abovecaptionskip
21854     \else
21855     \vskip\belowcaptionskip
21856     \fi
21857     }%
21858     \hss
21859     }%
21860     }%
21861     }%
21862     \renewcommand*\scr@LT@array{}%
21863     \let\scr@LT@array=\LT@array
21864     \renewcommand*\LT@array{%
21865     \let\scr@caption=\LT@caption
21866     \def\captionabove{\noalign{\global\@captionabovetrue}%
21867     \scr@caption}%
21868     \def\captionbelow{\noalign{\global\@captionabovefalse}%
21869     \scr@caption}%
21870     \if@tablecaptionabove
21871     \let\LT@caption=\captionabove
21872     \else
21873     \let\LT@caption=\captionbelow
21874     \fi
21875     \scr@LT@array

```



```

21876 }%
21877 \ClassInfo{\KOMAClassName}{%
21878     longtable captions redefined%
21879 }%
21880 \fi
21881 }
21882
21883 \CloneTOCEntryStyle{tocline}{part}
21884 \TOCEntryStyleStartInitCode{part}{%
21885     \expandafter\renewcommand%
21886     \csname scr@tso@#1@linefill\endcsname{\hfill}%
21887     \expandafter\renewcommand%
21888     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
21889     \expandafter\renewcommand%
21890     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21891         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
21892     \expandafter\renewcommand\expandafter*%
21893     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
21894 }
21895
21896 \CloneTOCEntryStyle{tocline}{chapter}
21897 \TOCEntryStyleStartInitCode{chapter}{%
21898     \expandafter\renewcommand%
21899     \csname scr@tso@#1@linefill\endcsname{%
21900         \ifchapterentrywithdots
21901             {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
21902         \else
21903             \hfill
21904         \fi
21905     }%
21906     \expandafter\renewcommand%
21907     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
21908     \expandafter\renewcommand%
21909     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21910         {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
21911     \expandafter\renewcommand\expandafter*%
21912     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
21913 }
21914
21915 \CloneTOCEntryStyle{tocline}{section}
21916 \TOCEntryStyleStartInitCode{section}{%
21917     \expandafter\renewcommand%
21918     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
21919     \expandafter\renewcommand%
21920     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21921         {\normalfont\normalcolor ##1}}%
21922 }
21923
21924 \CloneTOCEntryStyle{section}{default}
21925
21926 \DeclareSectionCommand[%
21927     style=chapter,%
21928     level=\z@,%
21929     pagestyle=plain,%

```



```

21930 tocstyle=chapter,%
21931 tocindent=\z@,%
21932 tocnumwidth=1.5em%
21933 ]{chapter}
21934 \DeclareSectionCommand[%
21935 style=section,%
21936 level=1,%
21937 indent=\z@,%
21938 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
21939 afterskip=2.3ex \@plus .2ex,%
21940 tocstyle=section,%
21941 tocindentfollows=chapter,%
21942 tocindent=1.5em,%
21943 tocnumwidth=2.3em%
21944 ]{section}
21945 \DeclareSectionCommand[%
21946 style=part,%
21947 level=\m@ne,%
21948 pagestyle=plain,%
21949 tocstyle=part,%
21950 toclevel=\m@ne,%
21951 tocindent=\z@,%
21952 tocnumwidth=2em%
21953 ]{part}
21954 \DeclareSectionCommand[%
21955 style=section,%
21956 level=2,%
21957 indent=\z@,%
21958 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
21959 afterskip=1.5ex \@plus .2ex,%
21960 tocstyle=section,%
21961 tocindent=3.8em,%
21962 tocnumwidth=3.2em%
21963 ]{subsection}
21964 \DeclareSectionCommand[%
21965 style=section,%
21966 level=3,%
21967 indent=\z@,%
21968 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
21969 afterskip=1.5ex \@plus .2ex,%
21970 tocstyle=section,%
21971 tocindent=7.0em,%
21972 tocnumwidth=4.1em%
21973 ]{subsubsection}
21974 \DeclareSectionCommand[%
21975 style=section,%
21976 level=4,%
21977 indent=\z@,%
21978 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
21979 afterskip=-1em,%
21980 tocindentfollows=subsubsection,%
21981 tocstyle=section,%
21982 tocindent=10em,%
21983 tocnumwidth=5em%

```



```

21984 ]{paragraph}
21985 \DeclareSectionCommand[%
21986   style=section,%
21987   level=5,%
21988   indent=\scr@parindent,%
21989   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
21990   afterskip=-1em,%
21991   tocstyle=section,%
21992   tocindent=12em,%
21993   tocnumwidth=6em%
21994 ]{subparagraph}

```

144 File `sidecap-xetex-bidi.def`

```

21995 \ProvidesFile{sidecap-xetex-bidi.def}[2025/01/03 v0.2 bidi adaptations for sidecap package
21996 \RequirePackage{ragged2e}
21997 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
21998   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
21999 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
22000 \renewcommand*{\SC@justify@caption}{\if@RTL%
22001 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\else%
22002   \isSC@ODD{\RaggedRight}{\RaggedLeft}}\fi}
22003
22004 \@ifpackagewith{sidecap}{innercaption}{%
22005 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
22006   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
22007 \renewcommand*{\SC@justify@caption}{%
22008   \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
22009 \renewcommand*{\SC@FLOAT}[2]{%
22010   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
22011 \renewcommand*{\SC@justify@caption}{%
22012   \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi}
22013 }{}
22014
22015 \@ifpackagewith{sidecap}{rightcaption}{%
22016 \if@RTL\renewcommand*{\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
22017 \def\SC@justify@caption{\RaggedLeft}\else%
22018 \renewcommand*{\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
22019 \def\SC@justify@caption{\RaggedRight}\fi%
22020 }{}
22021
22022 \@ifpackagewith{sidecap}{leftcaption}{%
22023 \if@RTL \renewcommand*{\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
22024 \def\SC@justify@caption{\RaggedRight}\else%
22025 \renewcommand*{\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
22026 \def\SC@justify@caption{\RaggedLeft}\fi%
22027 }{}

```

145 File `soul-xetex-bidi.def`

```

22028 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for Xe
22029 \long\def\SOUL@start#1{%
22030   \let\bidi@RTL@everypar@empty
22031   \let\<\SOUL@lowerthan

```



```

22032 \let\>\empty
22033 \def\soulomit{\noexpand\soulomit}%
22034 \gdef\SOUL@eventuallyexhyphen##1{%
22035 \let\SOUL@soeventuallyskip\relax
22036 \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
22037 \@minus\fontdimen4\font
22038 \SOUL@ignorespacesfalse
22039 \leavevmode
22040 \SOUL@preamble
22041 \SOUL@lasttoken={}%
22042 \SOUL@word={}%
22043 \SOUL@minus\z@
22044 \SOUL@comma\z@
22045 \SOUL@apo\z@
22046 \SOUL@grave\z@
22047 \SOUL@do{#1}%
22048 \SOUL@postamble
22049 }}
22050 \def\SOUL@ulunderline#1{%
22051 \setbox\z@\hbox{#1}%
22052 \dimen@=\wd\z@
22053 \dimen@i=\SOUL@uloverlap
22054 \advance\dimen@2\dimen@i
22055 \if@RTL
22056 \unhcopy\z@
22057 \llap{%
22058 \null
22059 \kern-\dimen@i
22060 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
22061 }%
22062 \else
22063 \rlap{%
22064 \null
22065 \kern-\dimen@i
22066 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
22067 }%
22068 \unhcopy\z@
22069 \fi
22070 }}
22071 \def\bidi@SOUL@ulleaders{%
22072 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\
22073 }
22074 \def\SOUL@uleveryspace#1{%
22075 \if@RTL
22076 #1%
22077 \bidi@SOUL@ulleaders
22078 \hskip\spaceskip
22079 \else
22080 \SOUL@ulcolor{%
22081 #1%
22082 \SOUL@ulleaders
22083 \hskip\spaceskip
22084 }%
22085 \fi

```



```
22086 \null
22087 }
```

146 File stabular-xetex-bidi.def

```
22088 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular packag
22089 \def\@stabular{%
22090 \leavevmode \bgroup \if@RTLtab\beginR \fi
22091 \let\@acol\@tabacol
22092 \let\@classz\@tabclassz
22093 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
22094 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
22095 \egroup \if@RTLtab\endR\fi\egroup}
22096 \expandafter \let \csname endstabular*\endcsname = \endstabular
22097 \def\@sarray[#1]#2{%
22098 \bgroup
22099 \setbox\@arstrutbox\hbox{%
22100 \vrule \@height\arraystretch\ht\strutbox
22101 \depth\arraystretch \dp\strutbox
22102 \@width\z@}%
22103 \@mkpream{#2}%
22104 \edef\@preamble{%
22105 \ialign \noexpand\@halignto
22106 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
22107 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
22108 \let\@tabularnewline\%
22109 \let\@sharp##%
22110 \set@typeset@protect
22111 \lineskip\z@skip\baselineskip\z@skip
22112 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
22113 \@preamble}
```

147 File subfigure-xetex-bidi.def

```
22114 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure pack
22115 \AtBeginDocument{%
22116 \let\p@subfigure=\thefigure
22117 \let\p@subtable=\thetable%
22118 }
```

148 File tabs-xetex-bidi.def

```
22119 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for
22120 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
22121
22122 \expandafter\let\csname endtabular*\endcsname=\endtabular
22123
22124 \def\endarray{\ifvmode\csname crr\endcsname % just do \crr if \ given
22125 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
22126 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
22127
22128 \def\@array[#1]#2{% remember global variables to allow recursion:
22129 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
22130 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%}
```



```

22131 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
22132 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
22133 \else \let\@tarlinesep\tablinesep \fi
22134 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
22135 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
22136 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
22137 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
22138   \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@@size
22139   \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
22140 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
22141   \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
22142 \let\protect\noexpand
22143 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
22144   \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
22145 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
22146 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
22147 \bgroup \let\par\@empty
22148 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
22149 \advance\extrarulesep.5\arrayrulewidth
22150 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
22151 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
22152 \@preamble}

```

149 File tabularx-xetex-bidi.def

```

22153 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
22154 \def\TX@endtabularx{%
22155   \expandafter\expandafter\expandafter
22156   \TX@find@endtabularxa\csname end\TX@\endcsname
22157   \endtabularx\TX@\endtabularx\TX@find@endtabularxa
22158   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
22159   \let\verb\TX@verb
22160   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
22161   \edef\TX@ckpt{\cl@ckpt}%
22162   \let\@elt\relax
22163   \TX@old@table\maxdimen
22164   \TX@col@width\TX@target
22165   \global\TX@cols\@ne
22166   \TX@typeout@
22167   {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
22168   \TX@trial{\def\NC@rewrite@X{%
22169     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
22170   \loop
22171     \TX@arith
22172     \ifTX@
22173       \TX@trial{}%
22174     \repeat
22175   {\let\@footnotetext\TX@fnttext\let\@xfootnotenext\TX@xftntext
22176     \let\@LTRfootnotetext\TX@LTRfnttext\let\@xLTRfootnotenext\TX@xLTRfnttext
22177     \let\@RTLfootnotetext\TX@RTLfnttext\let\@xRTLfootnotenext\TX@xRTLfnttext
22178     \csname tabular*\expandafter\endcsname\expandafter\TX@target
22179     \the\toks@
22180     \csname endtabular*\endcsname}%
22181   \global\TX@fnt\expandafter{\expandafter}\the\TX@fnt

```




```

22182 \ifnum0=`{\fi}%
22183 \expandafter\expandafter\expandafter
22184 \TX@find@endtabularxbb
22185 \expandafter\end\expandafter{\TX@}%
22186 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
22187 }
22188
22189 \def\TX@trial#1{%
22190 \setbox\@tempboxa\hbox{%
22191 #1\relax
22192 \let\@footnotetext\TX@trial@ftn
22193 \let\@LTRfootnotetext\TX@trial@ftn
22194 \let\@RTLfootnotetext\TX@trial@ftn
22195 \let\TX@vwarn\@empty
22196 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
22197 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
22198 \def\write{\begingroup
22199 \def\let{\afterassignment\endgroup\toks@}%
22200 \afterassignment\let\count@}%
22201 \hbadness\@M
22202 \hfuzz\maxdimen
22203 \let\hbadness\@tempcnta
22204 \let\hfuzz\@tempdima
22205 \expandafter\tabular\the\toks@
22206 \endtabular}%
22207 \TX@ckpt
22208 \TX@typeout@{\@spaces
22209 \expandafter\TX@align
22210 \the\wd\@tempboxa\space\space\space\space\space\@@
22211 \expandafter\TX@align
22212 \the\TX@col@width\space\space\space\space\space\@@
22213 \@spaces\the\TX@cols}}
22214
22215 \long\def\TX@LTRftntext#1{%
22216 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
22217 [\the\csname c@\@mpfn\endcsname]}%
22218 \global\TX@ftn\expandafter{\@tempa{#1}}}%
22219 \long\def\TX@xLTRftntext[#1]#2{%
22220 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
22221
22222 \long\def\TX@RTLftntext#1{%
22223 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
22224 [\the\csname c@\@mpfn\endcsname]}%
22225 \global\TX@ftn\expandafter{\@tempa{#1}}}%
22226 \long\def\TX@xRTLftntext[#1]#2{%
22227 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

150 File tabulary-xetex-bidi.def

```

22228 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary packag
22229 \def\@testpach{\@chclass
22230 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
22231 \ifnum \@lastchclass=7 5 \else
22232 \ifnum \@lastchclass=8 \tw@ \else

```



```

22233 \ifnum \@lastchclass=9 \thr@@
22234 \else \z@
22235 \ifnum \@lastchclass = 10 \else
22236 \edef\@nextchar{\expandafter\string\@nextchar}%
22237 \@chnum
22238 \if \@nextchar c\z@ \else
22239 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
22240 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
22241 \if \@nextchar C7 \else
22242 \if \@nextchar L8 \else
22243 \if \@nextchar R9 \else
22244 \if \@nextchar J10 \else
22245 \z@ \@chclass
22246 \if \@nextchar |\@ne \else
22247 \if \@nextchar !6 \else
22248 \if \@nextchar @7 \else
22249 \if \@nextchar <8 \else
22250 \if \@nextchar >9 \else
22251 10
22252 \@chnum
22253 \if \@nextchar m\thr@@\else
22254 \if \@nextchar p4 \else
22255 \if \@nextchar b5 \else
22256 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi\fi \fi \fi\fi \fi
22257 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

151 File tc-xetex-xetex-bidi.def

```

22258 \ProvidesFile{tc-xetex-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver]
22259 \def\@cliptoboxdim#1{%
22260 \setbox#1=\hbox{%
22261 \Gin@defaultbp\WIDTH{\wd#1}%
22262 \Gin@defaultbp\DEPTH{\dp#1}%
22263 \@tempdima\ht#1%
22264 \advance\@tempdima\dp#1%
22265 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
22266 \beginL\special{pdf:bcontent }%
22267 \special{%
22268 pdf:literal direct
22269 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
22270 }%
22271 \special{pdf:literal direct W }%
22272 \special{pdf:literal direct n }%
22273 \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
22274 \special{pdf:econtent }\endL%
22275 }%
22276 }

```

152 File tcolorbox-xetex-bidi.def

```

22277 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox pack]
22278 \let\endtcbox@lrbox=\endminipage
22279 \let\endtcbox@savebox=\endtcbox@lrbox
22280

```



```

22281 \bidi@patchcmd{\tcb@vbox}{%
22282 \let\@footnotetext\@mpfootnotetext%
22283 }{%
22284 \let\@footnotetext\@mpfootnotetext%
22285 \let\@LTRfootnotetext\@mpLTRfootnotetext%
22286 \let\@RTLfootnotetext\@mpRTLfootnotetext%
22287 }{}{}
22288
22289 \bidi@patchcmd{\end tcb@vbox}{%
22290 \footnoterule%
22291 }{%
22292 \bidi@mpfootnoterule%
22293 }{}{}
22294 \bidi@apptocmd\tcb@icolorbox{%
22295 \@bidi@list@minipage@parboxfalse
22296 }{}{}

```

153 File thmbox-xetex-bidi.def

```

22297 \ProvidesFile{thmbox-xetex-bidi.def}[2025/09/04 v0.1 bidi adaptations for thmbox package fo
22298 \renewenvironment{thmbox}[2] []{%
22299 \parskip\z@%
22300 \setkeys{thmbox}{#1}%
22301 \ifx\thmbox@style S\else\ifx\thmbox@style M\else\ifx\thmbox@style L\else%
22302 \PackageWarning{thmbox}{\thmbox@style\ is not a valid style for
22303 \string\thmbox, using M}%
22304 \let\thmbox@style=M%
22305 \fi\fi\fi%
22306 \thmbox@head{#2}\nobreak\relax%
22307 \thmbox@dim=\hsize%
22308 \advance\thmbox@dim-\leftskip%
22309 \advance\thmbox@dim-\rightskip%
22310 \setbox\thmbox@box=\vbox\bgroup%
22311 \if@RTL
22312 \@hboxRconstructtrue
22313 \fi
22314 \hsize=\thmbox@dim%
22315 \advance\hsize -\thmbox@leftmargin%
22316 \advance\hsize -\thmbox@rightmargin%
22317 \textwidth=\hsize%
22318 \linewidth=\hsize%
22319 \vskip\thmbox@vskip%
22320 \begingroup}{\endgroup%
22321 \vskip\thmbox@vskip%
22322 \egroup%
22323 \thmbox@start%
22324 \ifx\thmbox@style S\else\thmbox@tail\fi%
22325 \@endparenv}

```

154 File titlesec-xetex-bidi.def

```

22326 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec packag
22327 \renewcommand\filright{%
22328 \gdef\ttl@filleft##1{\hskip##1}%

```



```

22329 \gdef\ttl@filright##1{\hfill}%
22330 \let\\\@centercr
22331 \advance\rightskip\z@ \@plus 1fil
22332 \parfillskip\z@}
22333 \def\ttl@hang#1#2#3#4#5#6#7#8{%
22334 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
22335 \setlength\leftskip{#6}%
22336 \setlength\rightskip{#7}%
22337 \interlinepenalty\@M
22338 \ttl@changecentercr
22339 \ttl@beginlongest
22340 #1{\ifhmode\ttl@hmode@error\fi
22341 \ttl@glcmds
22342 \parindent\z@
22343 \leavevmode
22344 \begingroup
22345 \ifttl@label
22346 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
22347 \ifRTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
22348 \llap{\box\z@}%
22349 \fi
22350 #4{#8}%
22351 \kern\z@\strut\@par
22352 \endgroup
22353 \nobreak\ttl@midlongest#5\@par}%
22354 \ttl@endlongest}

```

155 File `titletoc-xetex-bidi.def`

```

22355 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
22356 \renewcommand\filright{%
22357 \gdef\ttl@filleft##1{\hskip##1}%
22358 \gdef\ttl@filright##1{\hfill}%
22359 \let\\\@centercr
22360 \advance\rightskip\z@ \@plus 1fil
22361 \parfillskip\z@}
22362 \renewcommand\contentspush[1]{%
22363 \sbox\z@{#1}%
22364 \xdef\ttl@b{\advance\ifRTL\rightskip\else\leftskip\fi\the\wd\z@}%
22365 \aftergroup\ttl@b
22366 \leavevmode\llap{\box\z@}}
22367 \def\ttl@outnoblock#1#2#3{%
22368 \begingroup
22369 \ifnum\ttl@b>\ttl@a
22370 \nobreak
22371 \else\ifnum\ttl@b<\ttl@a
22372 \addpenalty{\@secpenalty}%
22373 \else
22374 \addpenalty{\z@}%
22375 \fi\fi
22376 \ttl@contentsstretch
22377 \nobreak
22378 \ifcase#1\relax\else\interlinepenalty\@M\fi
22379 \parindent\z@

```



```

22380 \ifx\@nil#2%
22381 \PackageError{titletoc}{Unimplemented}%
22382 {The optional argument is currently mandatory}%
22383 \else
22384 \if@RTL\setlength\rightskip{#2}\else
22385 \setlength\leftskip{#2}\fi%
22386 \fi
22387 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
22388 \let\contentsmargin\ttl@margin
22389 \def\ttl@makeline##1{##1}%
22390 #3%
22391 \addtolength{\parfillskip}{-\ttl@corr}%
22392 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
22393 \let\ttl@leaders\leaders}
22394 \renewcommand\ttl@margin[2][\z@]{%
22395 \def\ttl@corr{#1}%
22396 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
22397 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
22398 \def\@pnumwidth{#2}}
22399 \let\ttl@savel@part\l@part
22400 \def\l@part{\ttl@lselect{part}}
22401
22402 \let\ttl@savel@chapter\l@chapter
22403 \def\l@chapter{\ttl@lselect{chapter}}

```

156 File tocbibind-xetex-bidi.def

```

22404 \ProvidesFile{tocbibind-xetex-bidi.def}[2025/01/03 v0.5 bidi adaptations for tocbibind pack
22405 \IfClassLoadedT{memoir}{\endinput}
22406 \if@dotocbib
22407 \ApplyPatchIfPackageLoadedF{natbib}{% natbib not loaded
22408 \renewcommand{\bibsection}{\t@cb@bchapsec}
22409 \renewenvironment{thebibliography}[1]{%
22410 \bibsection
22411 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
22412 \renewenvironment{thebibitemlist}[1]{
22413 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
22414 \bidi@thebibliography@font@hook%
22415 \list{\@biblabel{\@arabic\c@enumiv}}%
22416 {\settowidth\labelwidth{\@biblabel{#1}}%
22417 \leftmargin\labelwidth
22418 \advance\leftmargin\labelsep
22419 \@openbib@code
22420 \usecounter{enumiv}%
22421 \let\p@enumiv\@empty
22422 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
22423 \sloppy
22424 \clubpenalty4000
22425 \@clubpenalty \clubpenalty
22426 \widowpenalty4000%
22427 \sfcode`.\@m}
22428 {\def\@noitemerr
22429 {\@latex@warning{Empty `thebibliography' environment}}%
22430 \endlist}

```



```

22431
22432 \ApplyPatchCodeToPackage{chapterbib}{%
22433   \@ifpackagewith{chapterbib}{sectionbib}%
22434   {\renewcommand{\sectionbib}[2]{}}%
22435   {}%
22436 }
22437
22438 \fi
22439 \if@inltxdoc\else
22440   \renewenvironment{theindex}%
22441     {\if@twocolumn
22442       \@restonecolfalse
22443       \else
22444         \@restonecoltrue
22445       \fi
22446     \if@bibchapter
22447       \if@donumindex
22448         \refstepcounter{chapter}
22449         \twocolumn[\vspace*{2\topskip}%
22450           \@makechapterhead{\indexname}]%
22451         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
22452         \chaptermark{\indexname}
22453       \else
22454         \if@dotocind
22455           \twocolumn[\vspace*{2\topskip}%
22456             \@makeschapterhead{\indexname}]%
22457           \prw@mkboth{\indexname}
22458           \addcontentsline{toc}{chapter}{\indexname}
22459         \else
22460           \twocolumn[\vspace*{2\topskip}%
22461             \@makeschapterhead{\indexname}]%
22462           \prw@mkboth{\indexname}
22463         \fi
22464       \fi
22465     \else
22466       \if@donumindex
22467         \twocolumn[\vspace*{-1.5\topskip}%
22468           \@nameuse{\@tocextra}{\indexname}]%
22469         \csname \@tocextra mark\endcsname{\indexname}
22470       \else
22471         \if@dotocind
22472           \twocolumn[\vspace*{-1.5\topskip}%
22473             \toc@headstar{\@tocextra}{\indexname}]%
22474           \prw@mkboth{\indexname}
22475           \addcontentsline{toc}{\@tocextra}{\indexname}
22476         \else
22477           \twocolumn[\vspace*{-1.5\topskip}%
22478             \toc@headstar{\@tocextra}{\indexname}]%
22479           \prw@mkboth{\indexname}
22480         \fi
22481       \fi
22482     \fi
22483   \thispagestyle{plain}\parindent\z@
22484   \parskip\z@ \@plus .3\p@\relax

```



```

22485 \let\item\@idxitem}
22486 {\if@restonecol\onecolumn\else\clearpage\fi}
22487 \fi

```

157 File tocloft-xetex-bidi.def

```

22488 \ProvidesFile{tocloft-xetex-bidi.def}[2025/01/03 v0.4 bidi adaptations for tocloft package]
22489 \IfClassLoadedT{memoir}{\endinput}
22490 \renewcommand{\cftpnumalign}{\if@RTL l\else r\fi}
22491 \let\cftdot\@SepMark
22492 \if@cfthaspart
22493 \renewcommand*{\l@part}[2]{
22494   \@cftdopartfalse
22495   \ifnum \c@tocdepth >-2\relax
22496     \if@cfthaschapter
22497       \@cftdoparttrue
22498     \fi
22499     \ifnum \c@tocdepth >\m@ne
22500       \if@cfthaschapter\else
22501         \@cftdoparttrue
22502       \fi
22503     \fi
22504   \fi
22505   \if@cftdopart
22506     \if@cfthaschapter
22507       \addpenalty{-\@highpenalty}
22508     \else
22509       \addpenalty\@secpenalty
22510     \fi
22511     \addvspace{\cftbeforepartskip}
22512     \begingroup
22513     {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
22514      \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22515      \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22516      \parindent \cftpartindent\relax\@afterindenttrue
22517      \interlinepenalty\@M
22518      \leavevmode
22519      \@tempdima \cftpartnumwidth\relax
22520      \let\@cftbsnum \cftpartpresnum
22521      \let\@cftasnum \cftpartaftersnum
22522      \let\@cftasnumb \cftpartaftersnumb
22523      \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
22524      {\cftpartfont \cftpartpresnum #1}
22525      \cftpartfillnum{#2}}
22526     \nobreak
22527     \if@cfthaschapter
22528       \global\@nobreaktrue
22529       \everypar{\global\@nobreakfalse\everypar{}}
22530     \else
22531       \if@compatibility
22532         \global\@nobreaktrue
22533         \everypar{\global\@nobreakfalse\everypar{}}
22534       \fi
22535     \fi

```



```

22536 \endgroup
22537 \fi}
22538 \fi
22539 \if@cfthaschapter
22540 \renewcommand*{\l@chapter}[2]{
22541 \ifnum \c@tocdepth >\m@ne
22542 \addpenalty{-\@highpenalty}
22543 \vskip \cftbeforechapskip
22544 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
22545 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
22546 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22547 \parindent \cftchapindent\relax\@afterindenttrue
22548 \interlinepenalty\@M
22549 \leavevmode
22550 \@tempdima \cftchapnumwidth\relax
22551 \let\@cftbsnum \cftchappresnum
22552 \let\@cftasnum \cftchapaftersnum
22553 \let\@cftasnumb \cftchapaftersnumb
22554 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22555 {\cftchapfont #1}\nobreak
22556 \cftchapfillnum{#2}}
22557 \fi}
22558 \fi
22559 \renewcommand*{\l@section}[2]{%
22560 \ifnum \c@tocdepth >\z@
22561 \if@cfthaschapter
22562 \vskip \cftbeforesecskip
22563 \else
22564 \addpenalty\@secpenalty
22565 \addvspace{\cftbeforesecskip}
22566 \fi
22567 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
22568 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
22569 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22570 \parindent \cftsecindent\relax\@afterindenttrue
22571 \interlinepenalty\@M
22572 \leavevmode
22573 \@tempdima \cftsecnumwidth\relax
22574 \let\@cftbsnum \cftsecpresnum
22575 \let\@cftasnum \cftsecaftersnum
22576 \let\@cftasnumb \cftsecaftersnumb
22577 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22578 {\cftsecfont #1}\nobreak
22579 \cftsecfillnum{#2}}
22580 \fi}
22581 \renewcommand*{\l@subsection}[2]{%
22582 \ifnum \c@tocdepth >\@ne
22583 \vskip \cftbeforesubsecskip
22584 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
22585 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
22586 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22587 \parindent \cftsubsecindent\relax\@afterindenttrue
22588 \interlinepenalty\@M
22589 \leavevmode

```




```

22590 \@tempdima \cftsubsecnumwidth\relax
22591 \let\@cftbsnum \cftsubsecpresnum
22592 \let\@cftasnum \cftsubsecaftersnum
22593 \let\@cftasnumb \cftsubsecaftersnumb
22594 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22595 {\cftsubsecfont #1}\nobreak
22596 \cftsubsecfillnum{#2}}
22597 \fi}
22598 \renewcommand*\l@subsubsection}[2]{%
22599 \ifnum \c@tocdepth >\tw@
22600 \vskip \cftbeforesubsubsecskip
22601 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsubsecindent\relax
22602 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
22603 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22604 \parindent \cftsubsubsecindent\relax\@afterindenttrue
22605 \interlinepenalty\@M
22606 \leavevmode
22607 \@tempdima \cftsubsubsecnumwidth\relax
22608 \let\@cftbsnum \cftsubsubsecpresnum
22609 \let\@cftasnum \cftsubsubsecaftersnum
22610 \let\@cftasnumb \cftsubsubsecaftersnumb
22611 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22612 {\cftsubsubsecfont #1}\nobreak
22613 \cftsubsubsecfillnum{#2}}
22614 \fi}
22615 \renewcommand*\l@paragraph}[2]{%
22616 \ifnum \c@tocdepth >3\relax
22617 \vskip \cftbeforeparaskip
22618 {\if@RTL\rightrightskip\else\leftskip\fi \cftparaindent\relax
22619 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
22620 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22621 \parindent \cftparaindent\relax\@afterindenttrue
22622 \interlinepenalty\@M
22623 \leavevmode
22624 \@tempdima \cftparanumwidth\relax
22625 \let\@cftbsnum \cftparapresnum
22626 \let\@cftasnum \cftparaaftersnum
22627 \let\@cftasnumb \cftparaaftersnumb
22628 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22629 {\cftparafont #1}\nobreak
22630 \cftparafillnum{#2}}
22631 \fi}
22632 \renewcommand*\l@subparagraph}[2]{%
22633 \ifnum \c@tocdepth >4\relax
22634 \vskip \cftbeforesubparaskip
22635 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubparaindent\relax
22636 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
22637 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22638 \parindent \cftsubparaindent\relax\@afterindenttrue
22639 \interlinepenalty\@M
22640 \leavevmode
22641 \@tempdima \cftsubparanumwidth\relax
22642 \let\@cftbsnum \cftsubparapresnum
22643 \let\@cftasnum \cftsubparaaftersnum

```



```

22644 \let\cftasnumb \cftsubparaaftersnumb
22645 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22646 {\cftsubparafont #1}\nobreak
22647 \cftsubparafillnum{#2}}
22648 \fi}
22649 \renewcommand*\l@figure}[2]{%
22650 \ifnum \c@lofdepth >\z@
22651 \vskip \cftbeforefigskip
22652 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
22653 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
22654 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22655 \parindent \cftfigindent\relax\@afterindenttrue
22656 \interlinepenalty\@M
22657 \leavevmode
22658 \@tempdima \cftfignumwidth\relax
22659 \let\cftbsnum \cftfigpresnum
22660 \let\cftasnum \cftfigaftersnum
22661 \let\cftasnumb \cftfigaftersnumb
22662 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22663 {\cftfigfont #1}\nobreak
22664 \cftfigfillnum{#2}}
22665 \fi
22666 }
22667 \renewcommand*\l@table}[2]{%
22668 \ifnum\c@lotdepth >\z@
22669 \vskip \cftbeforetabskip
22670 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
22671 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
22672 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22673 \parindent \cfttabindent\relax\@afterindenttrue
22674 \interlinepenalty\@M
22675 \leavevmode
22676 \@tempdima \cfttabnumwidth\relax
22677 \let\cftbsnum \cfttabpresnum
22678 \let\cftasnum \cfttabaftersnum
22679 \let\cftasnumb \cfttabaftersnumb
22680 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22681 {\cfttabfont #1}\nobreak
22682 \cfttabfillnum{#2}}
22683 \fi
22684 }
22685 \renewcommand{\cftl@subfig}{
22686 \renewcommand*\l@subfigure}[2]{%
22687 \ifnum \c@lofdepth > \toclevel@subfigure
22688 \vskip \cftbeforesubfigskip
22689 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
22690 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
22691 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22692 \parindent \cftsubfigindent\relax\@afterindenttrue
22693 \interlinepenalty\@M
22694 \leavevmode
22695 \@tempdima \cftsubfignumwidth\relax
22696 \let\cftbsnum \cftsubfigpresnum
22697 \let\cftasnum \cftsubfigaftersnum

```



```

22698 \let\@cftasnumb \cftsubfigaftersnumb
22699 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22700 {\cftsubfigfont ##1}\nobreak
22701 \cftsubfigfillnum{##2}}
22702 \fi
22703 }
22704 }
22705 \renewcommand{\@cftl@subtab}{
22706 \renewcommand*\@l@subtable}[2]{%
22707 \ifnum \c@lotdepth > \toclevel@subtable
22708 \vskip \cftbeforesubtabskip
22709 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
22710 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22711 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22712 \parindent \cftsubtabindent\relax\@afterindenttrue
22713 \interlinepenalty\@M
22714 \leavevmode
22715 \@tempdima \cftsubtabnumwidth\relax
22716 \let\@cftbsnum \cftsubtabpresnum
22717 \let\@cftasnum \cftsubtabaftersnum
22718 \let\@cftasnumb \cftsubtabaftersnumb
22719 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22720 {\cftsubtabfont ##1}\nobreak
22721 \cftsubtabfillnum{##2}}
22722 \fi
22723 }
22724 }
22725 \renewcommand{\newlistentry}[4][\@empty]{%
22726 \@ifundefined{c@#2}{% check & set the counter
22727 \ifx \@empty#1\relax
22728 \newcounter{#2}
22729 \else
22730 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
22731 \#1 has no counter for use as a 'within'}
22732 \newcounter{#2}}%
22733 {\newcounter{#2}[#1]%
22734 \expandafter\edef\csname the#2\endcsname{%
22735 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
22736 \fi
22737 \setcounter{#2}{0}
22738 }
22739 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
22740
22741 \@namedef{l@#2}##1##2{%
22742 \ifnum \@nameuse{c@#3depth} > #4\relax
22743 \vskip \@nameuse{cftbefore#2skip}
22744 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
22745 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22746 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22747 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
22748 \interlinepenalty\@M
22749 \leavevmode
22750 \@tempdima \@nameuse{cft#2numwidth}\relax
22751 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname

```



```

22752     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
22753     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
22754     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\ri
22755     {\@nameuse{cft#2font}##1}\nobreak
22756     \@nameuse{cft#2fillnum}{##2}}
22757   \fi
22758 } % end of \l@#2
22759
22760 \expandafter\newlength\csname cftbefore#2skip\endcsname
22761 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
22762 \expandafter\newlength\csname cft#2indent\endcsname
22763 \expandafter\newlength\csname cft#2numwidth\endcsname
22764 \ifcase #4\relax % 0
22765   \setlength{\@nameuse{cft#2indent}}{0em}
22766   \setlength{\@nameuse{cft#2numwidth}}{1.5em}
22767 \or % 1
22768   \setlength{\@nameuse{cft#2indent}}{1.5em}
22769   \setlength{\@nameuse{cft#2numwidth}}{2.3em}
22770 \or % 2
22771   \setlength{\@nameuse{cft#2indent}}{3.8em}
22772   \setlength{\@nameuse{cft#2numwidth}}{3.2em}
22773 \or % 3
22774   \setlength{\@nameuse{cft#2indent}}{7.0em}
22775   \setlength{\@nameuse{cft#2numwidth}}{4.1em}
22776 \else % anything else
22777   \setlength{\@nameuse{cft#2indent}}{10.0em}
22778   \setlength{\@nameuse{cft#2numwidth}}{5.0em}
22779 \fi
22780 \@namedef{cft#2font}{\normalfont}
22781 \@namedef{cft#2presnum}{}
22782 \@namedef{cft#2aftersnum}{}
22783 \@namedef{cft#2aftersnumb}{}
22784 \@namedef{cft#2dotsep}{\cftdotsep}
22785 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
22786 \@namedef{cft#2pagefont}{\normalfont}
22787 \@namedef{cft#2afterpnum}{}
22788 \@namedef{toclevel@#2}{#4}
22789 \@namedef{cft#2fillnum}##1{%
22790   {\@nameuse{cft#2leader}}\nobreak
22791   \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
22792 } % end \newlistentry
22793 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
22794   {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
22795     \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
22796     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
22797     \textit{#1}\protect\par}}}

```

158 File tocbasic-xetex-bidi.def

```

22798 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/06/15 v0.5 bidi adaptations for tocbasic packag
22799 \bidi@undef\scr@dte@def@l@undottedtocline
22800 \bidi@undef\scr@dte@undottedtocline@init
22801 \DeclareTOCEntryStyle{undottedtocline}[{%
22802   \DefineTOCEntryLengthOption{indent}%

```



```

22803     {scr@tso@}{@indent}{entry indent}%
22804 \DefineTOCEntryLengthOption{numwidth}%
22805     {scr@tso@}{@numwidth}{entry number width}%
22806 \@ifundefined{#1tocdepth}{%
22807     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
22808     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
22809     \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
22810     \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
22811     \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
22812     \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
22813     \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
22814     \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
22815     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
22816     \expandafter\let\csname #1tocdepth\expandafter\endcsname
22817     \csname #1numdepth\endcsname
22818     }%
22819     }%
22820     }%
22821     }%
22822     }%
22823     }%
22824     }%
22825     }%
22826     }%
22827 }{%
22828 \@ifundefined{scr@tso@#1@indent}{%
22829 \@ifundefined{scr@#1@tocindent}{%
22830 \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22831 \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22832 \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
22833 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
22834 \scr@ifundefinedorrelax{1@chapter}{%
22835 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
22836 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22837 \Ifstr{#1}{subsubsection}{%
22838 \@namedef{scr@tso@#1@indent}{3.8em}%
22839 }{%
22840 \Ifstr{#1}{paragraph}{%
22841 \@namedef{scr@tso@#1@indent}{7em}%
22842 }{%
22843 \Ifstr{#1}{subparagraph}{%
22844 \@namedef{scr@tso@#1@indent}{10em}%
22845 }{%
22846 }%
22847 }%
22848 }%
22849 }%
22850 }%
22851 }{%
22852 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22853 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
22854 \Ifstr{#1}{subsubsection}{%
22855 \@namedef{scr@tso@#1@indent}{7.0em}%
22856 }{%

```



```

22857         \Ifstr{#1}{paragraph}{%
22858             \@namedef{scr@tso@#1@indent}{10em}%
22859         }{%
22860             \Ifstr{#1}{subparagraph}{%
22861                 \@namedef{scr@tso@#1@indent}{12em}%
22862             }{%
22863                 }%
22864             }%
22865         }%
22866     }%
22867 }%
22868 }%
22869 }%
22870 }%
22871 }%
22872 }%
22873 }{%
22874     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
22875 }%
22876 }{%
22877 \@ifundefined{scr@tso@#1@numwidth}{%
22878     \@ifundefined{scr@#1@tocnumwidth}{%
22879         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22880             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22881                 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
22882                     \scr@ifundefinedorrelax{chapter}{%
22883                         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
22884                             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22885                                 \Ifstr{#1}{subsubsection}{%
22886                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
22887                                 }{%
22888                                     \Ifstr{#1}{paragraph}{%
22889                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
22890                                     }{%
22891                                         \Ifstr{#1}{subparagraph}{%
22892                                             \@namedef{scr@tso@#1@numwidth}{5m}%
22893                                         }{%
22894                                             }%
22895                                         }%
22896                                     }%
22897                                 }%
22898                             }%
22899                         }{%
22900                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22901                                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
22902                                     \Ifstr{#1}{subsubsection}{%
22903                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
22904                                     }{%
22905                                         \Ifstr{#1}{paragraph}{%
22906                                             \@namedef{scr@tso@#1@numwidth}{5em}%
22907                                         }{%
22908                                             \Ifstr{#1}{subparagraph}{%
22909                                                 \@namedef{scr@tso@#1@numwidth}{6em}%
22910                                             }{%

```



```

22911         }%
22912     }%
22913 }%
22914     }%
22915 }%
22916     }%
22917 }%
22918     }%
22919 }%
22920 }-%
22921     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
22922 }%
22923 }-%
22924 }-%
22925 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
22926 \ifnum \@nameuse{#1tocdepth}<\@ne
22927     \scr@ifundefinedorrelax{chapter}{-%
22928         \addpenalty\@secpenalty
22929         \addvspace{1.0em \@plus\p@}%
22930     }-%
22931         \addpenalty{-\@highpenalty}%
22932         \vskip 1.0em \@plus\p@
22933     }%
22934 \else
22935     \addpenalty\@secpenalty
22936     \addvspace{1.0em \@plus\p@}%
22937 \fi
22938 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
22939 \begingroup
22940     \parindent \z@ \bidi@rightskip \@pnumwidth
22941     \parfillskip -\@pnumwidth
22942     \leavevmode
22943     \bfseries
22944     \advance\bidi@leftskip\@tempdima
22945     \iftocfeature{\@currentx}{noindent}{-%
22946         \hskip -\bidi@leftskip
22947     }-%
22948         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}}%
22949         \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
22950     }%
22951     ##1%
22952     \nobreak
22953     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
22954     \par
22955     \penalty\@highpenalty
22956 \endgroup
22957 \fi
22958 }
22959
22960 \bidi@undef\scr@dte@def@l@largetocline
22961 \bidi@undef\scr@dte@largetocline@init
22962 \DeclareTOCEntryStyle{largetocline}{-%
22963     \DefineTOCEntryLengthOption{indent}%
22964     {scr@tso@}{@indent}{entry indent}}%

```



```

22965 \@ifundefined{#1tocdepth}{%
22966   \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
22967     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
22968       \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
22969         \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
22970           \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
22971             \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
22972               \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
22973                 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
22974                   \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
22975                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
22976                     \csname #1numdepth\endcsname
22977                   }%
22978                 }%
22979               }%
22980             }%
22981           }%
22982         }%
22983       }%
22984     }%
22985   }%
22986 }{%
22987 \@ifundefined{scr@tso@#1@indent}{%
22988   \@ifundefined{scr@#1@tocindent}{%
22989     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22990       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22991         \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
22992           \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
22993             \scr@ifundefinedorrelax{1@chapter}{%
22994               \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
22995                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22996                   \Ifstr{#1}{subsubsection}{%
22997                     \@namedef{scr@tso@#1@indent}{3.8em}%
22998                   }{%
22999                     \Ifstr{#1}{paragraph}{%
23000                       \@namedef{scr@tso@#1@indent}{7em}%
23001                     }{%
23002                       \Ifstr{#1}{subparagraph}{%
23003                         \@namedef{scr@tso@#1@indent}{10em}%
23004                       }{%
23005                         }%
23006                       }%
23007                     }%
23008                   }%
23009                 }%
23010               }{%
23011                 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23012                   \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
23013                     \Ifstr{#1}{subsubsection}{%
23014                       \@namedef{scr@tso@#1@indent}{7.0em}%
23015                     }{%
23016                       \Ifstr{#1}{paragraph}{%
23017                         \@namedef{scr@tso@#1@indent}{10em}%
23018                       }{%

```




```

23019             \Ifstr{#1}{subparagraph}{%
23020                 \@namedef{scr@tso@#1@indent}{12em}%
23021             }{%
23022             }%
23023         }%
23024     }%
23025 }%
23026 }%
23027 }%
23028 }%
23029 }%
23030 }%
23031 }%
23032 }{%
23033     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
23034 }%
23035 }{%
23036 }]{%
23037 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
23038 \ifnum \@nameuse{#1tocdepth}<\@ne
23039     \scr@ifundefinedorrelax{chapter}{%
23040         \addpenalty\@secpenalty
23041         \addvspace{2.25em \@plus\p@}%
23042     }{%
23043         \addpenalty{-\@highpenalty}%
23044         \addvspace{2.25em \@plus\p@}%
23045     }%
23046 \else
23047     \addpenalty\@secpenalty
23048     \addvspace{2.25em \@plus\p@}%
23049 \fi
23050 \setlength\@tempdima{3em}%
23051 \begingroup
23052     \parindent \z@ \bidi@rightskip \@pnumwidth
23053     \parfillskip -\@pnumwidth
23054     \leavevmode
23055     \large
23056     \bfseries
23057     \Iftocfeature{\@currentx}{noindent}{%
23058     }{%
23059         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
23060     }%
23061     ##1%
23062     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
23063     \par
23064     \nobreak
23065     \ifnum 0=
23066         \scr@ifundefinedorrelax{chapter}{\ifcompatibility 1\else 0\fi}{1}\relax
23067         \global\@nobreaktrue
23068         \everypar{\global\@nobreakfalse\everypar{}}%
23069     \fi
23070 \endgroup
23071 \fi
23072 }

```



```

23073
23074 \renewcommand*{\scr@dte@tocline}[3]{%
23075   \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
23076   \else
23077     \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
23078     \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
23079     \@nameuse{Ifscr@tso@#1@dynindent}{%
23080       \expandafter\ifx\csname scr@tso@#1@indentfollows\endcsname\@empty
23081       \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
23082     \else
23083       \edef\reserved@a{\@nameuse{scr@tso@#1@indentfollows}}%
23084       \@for \reserved@a:=\reserved@a\do {%
23085         \scr@trim@spaces\reserved@a
23086         \ifx\reserved@a\@empty\else
23087           \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
23088             }{%
23089               \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
23090                 \@tempdima\@nameuse{scr@tso@\reserved@a @indent}\relax
23091                 \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
23092                   \scr@ifundefinedorrelax
23093                     {scr@dte@\reserved@a @lastmaxnumwidth}{%
23094                       \advance\@tempdima
23095                       \@nameuse{scr@tso@\reserved@a @numwidth}\relax
23096                     }{%
23097                       \advance\@tempdima
23098                       \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
23099                     }%
23100                   }{%
23101                     \advance\@tempdima
23102                     \@nameuse{scr@tso@\reserved@a @numwidth}\relax
23103                   }%
23104                   \ifdim \@tempdima>\@nameuse{scr@tso@#1@indent}\relax
23105                   \expandafter\edef\csname scr@tso@#1@indent\endcsname
23106                     {\the\@tempdima}%
23107                   \fi
23108                 \fi
23109               }%
23110             \fi
23111           }%
23112         \fi
23113       }{}%
23114     }%
23115     \Iftocfeature{\@currxt}{noindent}{%
23116       \bidi@leftskip \z@
23117     }{%
23118       \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
23119     }%
23120     \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
23121     \parfillskip -\bidi@rightskip
23122     \@nameuse{Ifscr@tso@#1@raggedpage}{%
23123       \addtolength{\parfillskip}{\z@ \@plus 1fil}%
23124     }{}%
23125     \Iftocfeature{\@currxt}{noindent}{%
23126       \parindent \z@

```



```

23127 }{%
23128   \parindent \@nameuse{scr@tso@#1@indent}\relax
23129 }%
23130 \@afterindenttrue
23131 \interlinepenalty\@M
23132 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
23133   \addtolength\@bidi@rightskip\@flushglue
23134 \else
23135   \def\reserved@a{\raggedright}%
23136   \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
23137     \addtolength\@bidi@rightskip\@flushglue
23138   \else
23139     \renewcommand\reserved@a{\raggedright}%
23140     \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
23141       \addtolength\@bidi@rightskip\@flushglue
23142     \fi
23143   \fi
23144 \fi
23145 \leavevmode
23146 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
23147 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
23148   \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{%
23149     \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
23150       \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
23151     \fi
23152   }%
23153 }{%
23154 \advance\@bidi@leftskip \@tempdima
23155 \null\nobreak\hskip -\@bidi@leftskip
23156 }%
23157 \usetocbasicnumberline
23158 \let\scr@dte@numberline@box\numberline@box
23159 \def\numberline@box##1{%
23160   \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
23161   \global\scr@dte@tocline@numberwidth
23162   \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
23163   \relax
23164   \ifdim \scr@dte@tocline@numberwidth
23165     >\@nameuse{scr@dte@#1@maxnumwidth}\relax
23166     \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
23167   \fi
23168   \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
23169     \ifdim \scr@dte@tocline@numberwidth
23170       >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
23171         +\@nameuse{scr@tso@#1@numsep}\relax\relax
23172     \PackageWarning{tocbasic}{%
23173       number width of #1 toc entries should be
23174       increased!\MessageBreak
23175       Currently used number width =
23176       \the\wd\scr@dte@tocline@numbox,\MessageBreak
23177       Wanted number separation
23178       \space\space\space =
23179       \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
23180       Reserved number width \space\space\space\space\space =

```



```

23181         \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
23182     }%
23183     \fi
23184 }%
23185 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
23186 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
23187     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
23188 }{ }%
23189 }%
23190 {\@nameuse{scr@tso@#1@entryformat}{%
23191     #2%
23192     \nobreak
23193     {%
23194         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
23195         \nobreak
23196         \expandafter\let\expandafter\scr@dte@pagenumberwidth
23197         \csname scr@tso@#1@pagenumberwidth\endcsname
23198         \@nameuse{scr@tso@#1@pagenumberbox}{%
23199             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
23200         }%
23201     }%
23202 }}\@par
23203 }%
23204 }%
23205 \tocbasic@SetPenaltyByTOCLevel{#1}%
23206 \fi
23207 }
23208
23209
23210 \bidi@undef\scr@dte@def@l@tocline
23211 \bidi@undef\scr@dte@tocline@init
23212 \DeclareTOCEntryStyle{tocline}[{%
23213     \DefineTOCEntryLengthOption{beforeskip}%
23214     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
23215     \DefineTOCEntryIfOption{breakafternumber}%
23216     {scr@tso@}{@breakafternumber}{line break after number flag}%
23217     \DefineTOCEntryIfOption{dynnumwidth}%
23218     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
23219     \DefineTOCEntryListOption{indentfollows}%
23220     {scr@tso@}{@indentfollows}{list of levels that define the indent}%
23221     \DefineTOCEntryIfOption{dynindent}%
23222     {scr@tso@}{@dynindent}{dynamic indent width flag}%
23223     \DefineTOCEntryCommandOption{entryformat}%
23224     {scr@tso@}{@entryformat}[1]{entry format}%
23225     \DefineTOCEntryCommandOption{entrynumberformat}%
23226     {scr@tso@}{@numberformat}[1]{entry number format}%
23227     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
23228     {scr@tso@}{@linefill}{filling between text and page number}%
23229     \DefineTOCEntryLengthOption{numsep}%
23230     {scr@tso@}{@numsep}{entry number separation}%
23231     \DefineTOCEntryCommandOption{onstarthigherlevel}%
23232     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
23233     \DefineTOCEntryCommandOption{onstartlowerlevel}%
23234     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%

```



```

23235 \DefineTOCEntryCommandOption{onstartsamelevel}%
23236   {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
23237 \DefineTOCEntryCommandOption{pagenumberbox}%
23238   {scr@tso@}{@pagenumberbox}[1]{page number box}%
23239 \DefineTOCEntryCommandOption{pagenumberformat}%
23240   {scr@tso@}{@pagenumberformat}[1]{page number format}%
23241 \DefineTOCEntryLengthOption{pagenumberwidth}%
23242   {scr@tso@}{@pagenumberwidth}{width of page number box}%
23243 \DefineTOCEntryLengthOption{rightindent}%
23244   {scr@tso@}{@rightindent}{entry's text right indent}%
23245 \DefineTOCEntryOption{raggedentrytext}[true]{%
23246   \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
23247   \ifx\FamilyKeyState\FamilyKeyStateProcessed
23248     \if@tempswa
23249       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
23250       \raggedright
23251     \else
23252       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
23253       \relax
23254     \fi
23255   \fi
23256 }%
23257 \DefineTOCEntryIfOption{raggedpagenumber}%
23258   {scr@tso@}{@raggedpage}{page number ragged flag}%
23259 \DefineTOCEntryLengthOption{indent}%
23260   {scr@tso@}{@indent}{entry indent}%
23261 \DefineTOCEntryLengthOption{numwidth}%
23262   {scr@tso@}{@numwidth}{entry number width}%
23263 \scr@ifundefinedorrelax{#1tocdepth}{%
23264   \Ifstrstart{#1}{sub}{%
23265     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
23266       \expandafter\edef\csname #1tocdepth\endcsname{%
23267         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
23268       }%
23269     }%
23270   }%
23271 }%
23272 \@ifundefined{#1tocdepth}{%
23273   \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
23274     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
23275       \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
23276         \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
23277           \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
23278             \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
23279               \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
23280                 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
23281                   \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
23282                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
23283                     \csname #1numdepth\endcsname
23284                   }%
23285                 }%
23286               }%
23287             }%
23288           }%

```



```

23289     }%
23290     }%
23291     }%
23292     }%
23293 }-%
23294 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
23295   \@ifundefined{scr@#1@tocindent}{%
23296     \Ifstrstart{#1}{sub}{%
23297       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
23298         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-%
23299           \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
23300             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
23301             \relax
23302           }%
23303         }%
23304       }-%
23305         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
23306           \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
23307             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
23308             \relax
23309           }%
23310         }-%
23311           \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
23312             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
23313             +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
23314           \relax
23315         }%
23316       }%
23317     }%
23318   }-%
23319 }-%
23320   \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
23321 }%
23322 }-%
23323 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
23324   \Ifstrstart{#1}{sub}{%
23325     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%
23326       \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
23327     }-%
23328     \expandafter\let
23329     \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
23330     \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
23331   }%
23332 }-%
23333   \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
23334 }%
23335 }-%
23336 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
23337   \Ifstrstart{#1}{sub}{%
23338     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
23339       \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
23340     }-%
23341     \expandafter\let
23342     \csname scr@tso@#1@rightindent\expandafter\endcsname

```



```

23343     \csname scr@tso\scr@dte@nosub{#1}@rightindent\endcsname
23344   }%
23345 }{%
23346   \@namedef{scr@tso@#1@rightindent}{\@tocmarg}%
23347 }%
23348 }{%
23349 \@ifundefined{scr@tso@#1@indent}{%
23350   \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23351   \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23352   \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
23353   \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
23354   \scr@ifundefinedorrelax{1@chapter}{%
23355     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
23356     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23357     \Ifstr{#1}{subsubsection}{%
23358       \@namedef{scr@tso@#1@indent}{3.8em}%
23359     }{%
23360       \Ifstr{#1}{paragraph}{%
23361         \@namedef{scr@tso@#1@indent}{7em}%
23362       }{%
23363         \Ifstr{#1}{subparagraph}{%
23364           \@namedef{scr@tso@#1@indent}{10em}%
23365         }{%
23366           }%
23367         }%
23368       }%
23369     }%
23370   }%
23371 }{%
23372   \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23373   \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
23374   \Ifstr{#1}{subsubsection}{%
23375     \@namedef{scr@tso@#1@indent}{7.0em}%
23376   }{%
23377     \Ifstr{#1}{paragraph}{%
23378       \@namedef{scr@tso@#1@indent}{10em}%
23379     }{%
23380       \Ifstr{#1}{subparagraph}{%
23381         \@namedef{scr@tso@#1@indent}{12em}%
23382       }{%
23383         }%
23384       }%
23385     }%
23386   }%
23387 }%
23388 }%
23389 }%
23390 }%
23391 }%
23392 }%
23393 }{%
23394 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
23395   \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
23396     \Ifstrstart{#1}{sub}{%

```



```

23397     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
23398         \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
23399             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
23400                 +.9em%
23401         \relax
23402     }%
23403 }%
23404 }-{}%
23405 }-{}%
23406     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
23407 }%
23408 }-{}%
23409 \@ifundefined{scr@tso@#1@numwidth}{%
23410     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23411     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23412     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
23413     \scr@ifundefinedorrelax{chapter}{%
23414     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
23415     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23416     \Ifstr{#1}{subsubsection}{%
23417         \@namedef{scr@tso@#1@numwidth}{3.2em}%
23418     }%
23419     \Ifstr{#1}{paragraph}{%
23420         \@namedef{scr@tso@#1@numwidth}{4.1em}%
23421     }-{}%
23422     \Ifstr{#1}{subparagraph}{%
23423         \@namedef{scr@tso@#1@numwidth}{5em}%
23424     }-{}%
23425     }%
23426     }%
23427     }%
23428     }%
23429     }%
23430 }-{}%
23431     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23432     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
23433     \Ifstr{#1}{subsubsection}{%
23434         \@namedef{scr@tso@#1@numwidth}{3.1em}%
23435     }-{}%
23436     \Ifstr{#1}{paragraph}{%
23437         \@namedef{scr@tso@#1@numwidth}{5em}%
23438     }-{}%
23439     \Ifstr{#1}{subparagraph}{%
23440         \@namedef{scr@tso@#1@numwidth}{6em}%
23441     }-{}%
23442     }%
23443     }%
23444     }%
23445     }%
23446     }%
23447     }%
23448     }%
23449     }%
23450     }%

```




```

23451 }-{}%
23452 \expandafter\renewcommand%
23453 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
23454 \expandafter\renewcommand%
23455 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
23456 \expandafter\renewcommand%
23457 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
23458 \@ifundefined{scr@tso@#1@beforeskip}{%
23459 \Ifstr{#1}{part}{%
23460 \namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
23461 }-{}%
23462 \Ifstr{#1}{chapter}{%
23463 \namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
23464 }-{}%
23465 \Ifstr{#1}{section}{%
23466 \scr@ifundefinedorrelax{1@chapter}{%
23467 \namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
23468 }-{}%
23469 }-{}%
23470 }-%
23471 }-%
23472 \expandafter\renewcommand\expandafter*%
23473 \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
23474 }-{}%
23475 \@ifundefined{scr@dte@#1@maxnumwidth}{%
23476 \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
23477 \setlength{\nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
23478 }-{}%
23479 \renewcommand*{\scr@dte@donumwidth}{-{}%
23480 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
23481 \expandafter\renewcommand\expandafter*%
23482 \csname scr@tso@#1@numsep\endcsname{.4em}%
23483 \expandafter\renewcommand%
23484 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
23485 \Ifstr{#1}{part}{%
23486 \expandafter\providecommand%
23487 \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
23488 }-{}%
23489 \Ifstr{#1}{chapter}{%
23490 \expandafter\providecommand%
23491 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
23492 }-{}%
23493 \scr@ifundefinedorrelax{1@chapter}{%
23494 \Ifstr{#1}{section}{%
23495 \expandafter\providecommand%
23496 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
23497 }-{}%
23498 }-{}%
23499 \expandafter\providecommand%
23500 \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
23501 }-%
23502 }-%
23503 \expandafter\renewcommand
23504 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%

```



```

23505 \@ifundefined{scr@tso@#1@linefill}{%
23506   \Ifstr{#1}{part}{%
23507     \@namedef{scr@tso@#1@linefill}{\hfill}%
23508   }{%
23509     \Ifstr{#1}{chapter}{%
23510       \@namedef{scr@tso@#1@linefill}{\hfill}%
23511     }{%
23512       \scr@ifundefinedorrelax{1@chapter}{%
23513         \Ifstr{#1}{section}{%
23514           \@namedef{scr@tso@#1@linefill}{\hfill}%
23515         }{%
23516         }{}%
23517       \expandafter\renewcommand%
23518       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23519     }%
23520   }%
23521 }{}%
23522 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
23523 \Ifstr{#1}{part}{%
23524   \expandafter\providecommand%
23525   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
23526 }{%
23527   \Ifstr{#1}{chapter}{%
23528     \expandafter\providecommand%
23529     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
23530   }{%
23531     \scr@ifundefinedorrelax{1@chapter}{%
23532       \Ifstr{#1}{section}{%
23533         \expandafter\providecommand%
23534         \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
23535       }{}%
23536     }{}%
23537     \expandafter\providecommand%
23538     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23539       {\normalfont\normalcolor ##1}}%
23540   }%
23541 }%
23542 \expandafter\renewcommand%
23543 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
23544   \hb@xt@{\@nameuse{scr@dte@pagenumberwidth}}{\hfil ##1}}%
23545 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
23546 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
23547 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
23548   \Ifstrstart{#1}{sub}{%
23549     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
23550       \scr@dte@nosub{#1}%
23551     }%
23552   }{}%
23553   \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\@empty
23554 }%
23555 }{}%
23556 }]{%
23557 \scr@dte@tocline{#1}{##1}{##2}%
23558 }

```



```

23559
23560 \if@bidi@csdef{scr@tso@figure@pagenumberformat}{%
23561   \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
23562     {\normalfont\normalcolor #1}%
23563   }%
23564 }{}
23565
23566 \if@bidi@csdef{scr@tso@table@pagenumberformat}{%
23567   \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
23568     {\normalfont\normalcolor #1}%
23569   }%
23570 }{}
23571

```

159 File tocstyle-xetex-bidi.def

```

23572 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
23573 \renewcommand*{\tocstyle@dottedtoctocline}[5]{%
23574   \let\numberline\tocstyle@numberline
23575   \ifnum #1>\c@tocdepth \else
23576     \if@tocstyle@penalties
23577       \begingroup
23578         \@tempcnta 20010
23579         \advance \@tempcnta by -#1
23580         \ifnum \@tempcnta>\lastpenalty
23581           \aftergroup\penalty\aftergroup\@lowpenalty
23582         \fi
23583       \endgroup
23584     \fi
23585     \edef\tocstyledepth{#1}%
23586     \tocstyle@activate@features
23587     \ifx\tocstyle@feature@entryvskip\relax
23588       \vskip \z@ \@plus.2\p@
23589     \else
23590       \addvspace{\tocstyle@feature@entryvskip}%
23591     \fi
23592   {%
23593     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
23594     \tocstyle@feature@raggedhook
23595     \@tempdima #3\relax
23596     \@tempdimb #2\relax
23597     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
23598     \ifnum #1>\z@\relax
23599       \@tempcnta #1\relax \advance\@tempcnta \m@ne
23600       \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
23601         \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
23602           \@tempdimb
23603           \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
23604           \advance\@tempdimb
23605           \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
23606         \fi
23607       \fi
23608     \fi
23609     \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%

```



```

23610 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
23611 \ifdim \@tempdimb>
23612 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
23613 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
23614 @#1\endcsname{\the\@tempdimb}%
23615 \fi
23616 \else
23617 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
23618 @#1\endcsname{\the\@tempdimb}%
23619 \fi
23620 \iftocstyle@autolength
23621 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
23622 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
23623 \relax
23624 \fi
23625 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
23626 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
23627 \relax
23628 \fi
23629 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
23630 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
23631 \else
23632 \@tempdimb #2\relax
23633 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
23634 \fi
23635 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
23636 \ifdim \@tempdima>
23637 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
23638 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
23639 @\endcsname{\the\@tempdima}%
23640 \fi
23641 \else
23642 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
23643 @\endcsname{\the\@tempdima}%
23644 \fi
23645 \ifcase\tocstyle@indentstyle\relax\else
23646 \@tempdimb \z@
23647 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
23648 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
23649 \relax
23650 \fi
23651 \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
23652 \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
23653 \fi
23654 \advance\parindent \@tempdimb\@afterindenttrue
23655 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
23656 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
23657 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
23658 \if\tocstyle@feature@parfillskip\relax\else
23659 \advance\parfillskip \tocstyle@feature@parfillskip\relax
23660 \fi
23661 \interlinepenalty\@M
23662 \leavevmode
23663 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima

```



```

23664 \null\nobreak
23665 \iftocstyle@indentnotnumbered\else
23666 \hskip -\if@RTL\rightskip\else\leftskip\fi
23667 \fi
23668 \tocstyle@feature@entryhook
23669 {#4}\nobreak
23670 \ifx\tocstyle@feature@leaders\relax
23671 \leaders\hbox{${m@th
23672 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}}%
23673 \mkern \@dotsep mu$}\hfill
23674 \else
23675 \tocstyle@feature@leaders
23676 \fi
23677 \nobreak
23678 \ifx\tocstyle@feature@pagenumberbox\relax
23679 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
23680 \else
23681 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
23682 \fi
23683 \par
23684 }%
23685 \iftocstyle@penalties
23686 \bgroup
23687 \@tempcnta 20009
23688 \advance\@tempcnta by -#1
23689 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
23690 \reserved@a
23691 \fi
23692 \fi}
23693 \renewcommand*{\tocstyle@numberline}[1]{%
23694 \begingroup
23695 \ifx\tocstyle@feature@spaceafternumber\relax
23696 \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
23697 \else
23698 \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
23699 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
23700 \fi
23701 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
23702 \ifdim \@tempdima >
23703 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
23704 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
23705 @\tocstyledepth\endcsname{\the\@tempdima}%
23706 \fi
23707 \else
23708 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
23709 @\tocstyledepth\endcsname{\the\@tempdima}%
23710 \fi
23711 \endgroup
23712 \iftocstyle@indentnotnumbered
23713 \hskip -\if@RTL\rightskip\else\leftskip\fi
23714 \fi
23715 \ifcase \tocstyle@indentstyle
23716 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
23717 \or

```



```

23718 \hb@xt@{\tempdima{\tocstyle@numberline{#1}\hfil}%
23719 \else
23720 \ifx\tocstyle@feature@spaceafternumber\relax
23721 \hbox{\tocstyle@numberline{#1}\enskip}%
23722 \else
23723 \hbox{\tocstyle@numberline{#1}\hskip
23724 \tocstyle@feature@spaceafternumber\relax}%
23725 \fi
23726 \fi
23727 }
23728 \AtBeginDocument{%
23729 \ifcsname l@part\endcsname
23730 \ifcsname l@chapter\endcsname
23731 \setbox\@tempboxa\vbox{\hsize\maxdimen
23732 \l@part{\tocstyle@l@define{part}{-1}}{}}%
23733 \else
23734 \setbox\@tempboxa\vbox{\hsize\maxdimen
23735 \l@part{\tocstyle@l@define{part}{0}}{}}%
23736 \fi
23737 \fi
23738 \ifcsname l@chapter\endcsname
23739 \setbox\@tempboxa\vbox{\hsize\maxdimen
23740 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
23741 \fi
23742 \ifcsname l@section\endcsname
23743 \setbox\@tempboxa\vbox{\hsize\maxdimen
23744 \l@section{\tocstyle@l@define{section}{1}}{}}%
23745 \fi
23746 \ifcsname l@subsection\endcsname
23747 \setbox\@tempboxa\vbox{\hsize\maxdimen
23748 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
23749 \fi
23750 \ifcsname l@subsubsection\endcsname
23751 \setbox\@tempboxa\vbox{\hsize\maxdimen
23752 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
23753 \fi
23754 \ifcsname l@paragraph\endcsname
23755 \setbox\@tempboxa\vbox{\hsize\maxdimen
23756 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
23757 \fi
23758 \ifcsname l@subparagraph\endcsname
23759 \setbox\@tempboxa\vbox{\hsize\maxdimen
23760 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
23761 \fi
23762 \ifcsname l@table\endcsname
23763 \setbox\@tempboxa\vbox{\hsize\maxdimen
23764 \l@table{\tocstyle@l@define{table}{1}}{}}%
23765 \fi
23766 \ifcsname l@figure\endcsname
23767 \setbox\@tempboxa\vbox{\hsize\maxdimen
23768 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
23769 \fi
23770 \def\@tempa#1#2#3#4#5{%
23771 \ifnum #1>\c@tocdepth \else

```



```

23772 \vskip \z@ \@plus.2\p@
23773 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@toc
23774 \parindent #2\relax\@afterindenttrue
23775 \interlinepenalty\@M
23776 \leavevmode
23777 \@tempdima #3\relax
23778 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
23779 {#4}\nobreak
23780 \leaders\hbox{${\m@th
23781 \mkern \dotsep mu\hbox{.}\mkern \dotsep
23782 mu$}\hfill
23783 \nobreak
23784 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
23785 \par}%
23786 \fi}%
23787 \ifx\@dottedtocline\@tempa\else
23788 \tocstyle@macrochangewarning\@dottedtocline
23789 \fi
23790 \let\tocstyle@saved@dottedtocline\@dottedtocline
23791 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
23792 \ifx\numberline\@tempa\else
23793 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
23794 \ifx\numberline\@tempa\else
23795 \tocstyle@macrochangewarning\numberline
23796 \fi
23797 \fi
23798 \let\tocstyle@saved@numberline\numberline
23799 }
23800 \renewcommand*{\tocstyle@l@define}[2]{%
23801 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
23802 \edef\@tempa{%
23803 \noexpand\global\noexpand\let
23804 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
23805 \expandafter\noexpand\csname l@#1\endcsname
23806 \noexpand\gdef
23807 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
23808 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
23809 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@{
23810 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
23811 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
23812 }%
23813 }%
23814 \PackageInfo{tocstyle}{prepare \expandafter\string
23815 \csname l@#1\endcsname\space for redefinition}%
23816 \@tempa
23817 }

```

160 File todonotes-xetex-bidi.def

```

23818 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes pack
23819 \newif\if@bidi@todonotes@textdirection@RTL
23820 \newif\if@bidi@todonotes@figposition@right
23821 \newcommand{\@bidi@todonotes@align}{}%
23822 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%

```



```

23823 \newcommand{\@bidi@todonotes@textdirection}{}%
23824 \define@choicekey{todonotes}{textdirection}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right}
23825 \ifcase\bidi@todonotes@tempb\relax
23826 \@bidi@todonotes@textdirection@RTLtrue
23827 \let\bidi@todonotes@textdirection\RL
23828 \or
23829 \@bidi@todonotes@textdirection@RTLfalse
23830 \let\bidi@todonotes@textdirection\LR
23831 \fi}
23832 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right}
23833 \ifcase\bidi@todonotes@tempb\relax
23834 \@bidi@todonotes@figposition@righttrue
23835 \or
23836 \@bidi@todonotes@figposition@rightfalse
23837 \fi}
23838 \if@todonotes@disabled%
23839 \else % \if@todonotes@disabled
23840 \renewcommand{\@todonotes@drawInlineNote}{%
23841 \if@todonotes@dviStyle%
23842 {\par\noindent\begin{tikzpicture}[remember picture]%
23843 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
23844 \if@todonotes@authorgiven%
23845 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
23846 \else%
23847 {\noindent \@todonotes@sizecommand \@todonotes@text}%
23848 \fi
23849 {\par\noindent\begin{tikzpicture}[remember picture]%
23850 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
23851 \else%
23852 {\par\noindent\begin{tikzpicture}[remember picture]%
23853 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
23854 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@
23855 \if@todonotes@authorgiven%
23856 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@tex
23857 \else%
23858 {\noindent \@todonotes@sizecommand \@todonotes@text}%
23859 \fi};%
23860 \end{tikzpicture}\par}%
23861 \fi}%
23862 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
23863 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
23864 \node [coordinate] (inText) {};%
23865 \end{tikzpicture}%
23866 \marginpar[{\% Draw note in left margin
23867 \@todonotes@drawMarginNote%
23868 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
23869 }]{\% Draw note in right margin
23870 \@todonotes@drawMarginNote%
23871 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
23872 }%
23873 }%
23874 \renewcommand{\@todonotes@drawMarginNote}{%
23875 \if@todonotes@dviStyle%
23876 \begin{tikzpicture}[remember picture]%

```




```

23877     \draw node[notestyle] {};%
23878 \end{tikzpicture}\%
23879 \begin{minipage}{\@todonotes@textwidth}%
23880 \if@todonotes@authorgiven%
23881     \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
23882 \else%
23883     \@todonotes@sizecommand \@todonotes@text%
23884 \fi%
23885 \end{minipage}\%
23886 \begin{tikzpicture}[remember picture]%
23887     \draw node[notestyle] (inNote) {};%
23888 \end{tikzpicture}%
23889 \else%
23890     \let\originalHbadness\hbadness%
23891     \hbadness 100000%
23892     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
23893         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
23894         \node(X){\vphantom{X}};%
23895         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
23896         \if@todonotes@authorgiven%
23897             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@sizecommand \@todonotes@author};%
23898             \node(Y)[below=of X]{};%
23899             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
23900         \else%
23901             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
23902         \fi%
23903     \end{tikzpicture}%
23904     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
23905 \fi%
23906 \end{tikzpicture}%
23907 \hbadness \originalHbadness%
23908 \fi%
23909 \renewcommand{\missingfigure}[2]{}%
23910 \setkeys{todonotes}{#1}%
23911 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
23912 \par
23913 \noindent
23914 \begin{tikzpicture}
23915 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
23916     (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
23917 \if@bidi@todonotes@figposition@right%
23918 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
23919 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
23920     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
23921 \if@bidi@todonotes@figposition@right%
23922 \end{scope}
23923 \begin{scope}[xshift=-3.8cm]
23924 \draw (2, -0.3) node[right, text
23925     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
23926 \if@bidi@todonotes@figposition@right%

```



```

23931 \end{scope}
23932 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
23933 \fi%
23934 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}}
23935 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}}
23936 \if@bidi@todonotes@figposition@right%
23937 \end{scope}
23938 \fi%
23939 \end{tikzpicture}\hfill
23940 }% Ending \missingfigure command
23941 \fi % Ending \@todonotes@ifdisabled
23942 \presetkeys%
23943   {todonotes}%
23944   {align=left,%
23945   textdirection=lefttoright,%
23946   figposition=left}{}%

```

161 File wrapfig-xetex-bidi.def

```

23947 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package]
23948 \let\WF@everypar\bidi@n@everypar
23949 \def\WF@putfigmaybe{%
23950 \ifinner
23951   \vskip-\parskip \global\WF@floatfalse
23952   \let\pagetotal\maxdimen % kludge flag for "not top of page"
23953 \else % outer page
23954   \@tempdima\pagedepth % save page depth
23955   {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
23956   \penalty\interlinepenalty % update pg. parameters
23957   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
23958   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
23959     \global\WF@floatfalse
23960     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
23961   \else
23962     \ifdim\WF@size>\@tempdimb
23963       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
23964       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
23965       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
23966       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
23967       \advance\dimen@.5\baselineskip
23968       \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
23969         \global\WF@floatfalse \pagebreak
23970       \fi
23971     \else % \WF@info{Fits in \the\@tempdimb;}%
23972       \global\WF@floatfalse
23973     \fi\fi
23974     \vskip\@tempdima\relax % (return erased page depth)
23975 \fi
23976 \noindent
23977 \ifWF@float
23978   \WF@fltmes
23979 \else % putting here;
23980   \WF@info{Put \WF@wfname here;}%
23981   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement

```



```

23982 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
23983 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
23984 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
23985 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
23986 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
23987 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
23988 \xdef\WF@adjlw{\the\@tempdima}%
23989 \ifnum `l=\WF@place % fig on left
23990 \if@RTL%
23991 \kern\@tempdimb \kern\columnsep
23992 \def\@tempa{\hss}% position to left of the gap
23993 \else%
23994 \hss % figure overlaps space to the left
23995 \def\@tempa{\kern\columnsep}% position to left of the gap
23996 \fi%
23997 \else % fig on right
23998 \if@RTL%
23999 \hss
24000 \@tempdima\z@
24001 \def\@tempa{\kern\columnsep}
24002 \else%
24003 \@tempdima\z@ % no left indentation
24004 \kern\@tempdimb \kern\columnsep
24005 \def\@tempa{\hss}% figure overlaps space to the right
24006 \fi%
24007 \fi
24008 \ifdim\@tempdimb<\hsize
24009 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
24010 \xdef\WF@adjtllm{\the\@tempdima}%
24011 \else
24012 \xdef\WF@wrapil{\z@ \the\hsize}%
24013 \xdef\WF@adjlw{\z@}\xdef\WF@adjtllm{\z@}%
24014 \fi
24015 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
24016 \global\advance\WF@size-\intextsep
24017 \else % \WF@info{Putting \WF@wfname in middle of page}%
24018 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
24019 \fi \dp\WF@box\z@ \box\WF@box \@tempa
24020 }% end \hbox to Opt
24021 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
24022 \fi}

```

162 File xcolor-xetex-bidi.def

```

24023 \ProvidesFile{xcolor-xetex-bidi.def}[2022/06/13 v0.3 bidi adaptations for xcolor package fo
24024 \long\def\color@b@x#1#2#3%
24025 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
24026 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}
24027 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
24028 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
24029 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
24030 \protected\def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup
24031 \DeclareRobustCommand\color
24032 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor

```



```

24033 \def\@undeclaredcolor[#1]#2%
24034 {\begingroup
24035   \let\@cls\@empty
24036   \XC@getmodclr12{#1}{#2}{}%
24037   {\ifblendcolors
24038     \ifx\colorblend\@empty\else
24039       \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
24040       \XC@coremodel\@mod\@clr\@xcolor@{}{\}\@mod\@clr
24041     \fi
24042   \fi
24043   \ifconvertcolorsU
24044     \edef\@tmp{\XC@tgt@mod{\@mod}}%
24045     \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
24046   \fi
24047   \ifmaskcolors
24048     \convertcolorspec\@mod\@clr\XC@mmod\@clr
24049     \let\@mod\XC@mmod
24050     \XC@inflate\@mod\XC@mclr\@clr\@tmp
24051     \expandafter\XC@mul\@tmp,\@clr
24052   \fi
24053   \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
24054   \expandafter\endgroup\@tmp}}
24055 \def\@declaredcolor#1%
24056   {\XC@edef\XC@tmp{#1}\XC@tstfalse
24057   \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
24058     \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
24059     \ifconvertcolorsU\XC@tsttrue\fi
24060   \fi
24061   \ifXC@tst
24062     \expandafter\XC@declaredcolor\else
24063     \expandafter\XC@declaredcolor\fi}
24064 \def\XC@undeclaredcolor#1#2%
24065   {\@ifundefinedmodel{#1}%
24066   {\color@error{model `#1'}}%
24067   {\@nameuse{color@#1}\current@color{#2}}%
24068   \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
24069   \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
24070 \def\XC@declaredcolor
24071   {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
24072   \edef\current@color{\XC@current@color}%
24073   \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
24074 \DeclareRobustCommand\bidicolor
24075   {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
24076 \def\@bidiundeclaredcolor[#1]#2%
24077   {\begingroup
24078     \let\@cls\@empty
24079     \XC@getmodclr12{#1}{#2}{}%
24080     {\ifblendcolors
24081       \ifx\colorblend\@empty\else
24082         \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
24083         \XC@coremodel\@mod\@clr\@xcolor@{}{\}\@mod\@clr
24084       \fi
24085     \fi
24086     \ifconvertcolorsU

```



```

24087 \edef\@tmp{\XC@tgt@mod{\@mod}}%
24088 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
24089 \fi
24090 \ifmaskcolors
24091 \convertcolorspec\@mod\@clr\XC@mmod\@clr
24092 \let\@mod\XC@mmod
24093 \XC@inflate\@mod\XC@mclr\@clr\@tmp
24094 \expandafter\XC@mul\@tmp,\@clr
24095 \fi
24096 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
24097 \expandafter\endgroup\@tmp}
24098 \def\XC@bidiundeclaredcolor#1#2%
24099 {\@ifundefinedmodel{#1}%
24100 {\color@error{model `#1'}}%
24101 {\@nameuse{color@#1}\current@color{#2}}%
24102 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
24103 \XC@display}}
24104 \def\@bidideclaredcolor#1%
24105 {\XC@edef\XC@tmp{#1}\XC@tstfalse
24106 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
24107 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
24108 \ifconvertcolorsU\XC@tsttrue\fi
24109 \fi
24110 \ifXC@tst
24111 \expandafter\XC@bidideclaredcolor\else
24112 \expandafter\XC@bidideclaredcolor\fi}
24113 \def\XC@bidideclaredcolor
24114 {\XC@split\XC@tmp
24115 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
24116 \expandafter\endgroup\@tmp}
24117 \def\XC@bidideclaredcolor
24118 {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
24119 \edef\current@color{\XC@current@color}%
24120 \XC@display}
24121 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
24122 \def\color@fb@x#1#2#3#4{\protect\color@fb@x{#1}{#2}{#3}}
24123 \def\color@fb@x#1#2#3#4%
24124 {\color@b@x{\fb@xsep\z@\bidicolor#1{#2}\XC@fb@x}%
24125 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
24126 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmo

```

163 File latex-xetex-bidi.def

```

24127 \ProvidesFile{latex-xetex-bidi.def}[2025/01/03 v1.5.2 bidi adaptations for `latex.ltx' for
24128 \newcommand{\TeXeTOn}{\TeXeTstate\one}
24129 \newcommand{\TeXeTOff}{\TeXeTstate\z@}
24130 \TeXeTOn
24131 \def\bidi@RTL@everypar{\setbox\z@\lastbox\ifRTL\beginR\else\beginL\fi\ifvoid\z@\else\useb
24132 \let\bidi@o@everypar=everypar
24133 \newtoks\bidi@n@everypar
24134 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
24135 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
24136 \let\everypar=\bidi@n@everypar
24137 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}

```



```

24138 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
24139 \protected\def\hboxR{\hbox\bgroup
24140 \everyhbox{%
24141 \aftergroup\egroup
24142 \everyhbox{}}%
24143 \beginR
24144 \@hboxRconstructtrue
24145 \bgroup
24146 \aftergroup\endR
24147 \aftergroup\egroup
24148 }\hbox}
24149 \protected\def\hboxL{\hbox\bgroup
24150 \everyhbox{%
24151 \aftergroup\egroup
24152 \everyhbox{}}%
24153 \beginL
24154 \@hboxRconstructfalse
24155 \bgroup
24156 \aftergroup\endL
24157 \aftergroup\egroup
24158 }\hbox}
24159 \protected\def\vboxR{\vbox\bgroup
24160 \everyvbox{%
24161 \aftergroup\egroup
24162 \everyvbox{}}%
24163 \@RTLtrue
24164 \@RTLtabtrue
24165 \bgroup
24166 \aftergroup\egroup
24167 }\vbox}
24168 \protected\def\vboxL{\vbox\bgroup
24169 \everyvbox{%
24170 \aftergroup\egroup
24171 \everyvbox{}}%
24172 \@RTLfalse
24173 \@RTLtabfalse
24174 \bgroup
24175 \aftergroup\egroup
24176 }\vbox}
24177 \newcommand*{\bidi@leftskip}{\ifRTL\rightskip\else\leftskip\fi}
24178 \newcommand*{\bidi@rightskip}{\ifRTL\leftskip\else\rightskip\fi}
24179 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@\bidi@be
24180 \def\endLTR{\par}
24181 \newenvironment{LTR*}{\LTR
24182 \everypar{%
24183 {\setbox\z@\lastbox
24184 \ifvoid\z@
24185 \kern-\parindent
24186 \fi}%
24187 }%
24188 }\endLTR\@endpetrue}
24189 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@\bidi@beame
24190 \def\endRTL{\par}
24191 \newenvironment{RTL*}{\RTL

```



```

24192 \everypar{%
24193     {\setbox\z@\lastbox
24194       \ifvoid\z@
24195         \kern-\parindent
24196       \fi}%
24197   }%
24198 }{\endRTL\@endpetrue}
24199 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\@bidi@beamer@ragged}
24200 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\@bidi@beamer@ragged}
24201 \let\unsetRTL=\setLTR
24202 \let\unsetLTR=\setRTL
24203 \let\LR=\LRE
24204 \let\RL=\RLE
24205 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
24206 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
24207 \let\@ensure@RL=\@ensure@RTL
24208 \let\@ensure@LR=\@ensure@LTR
24209 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
24210 \let\@ensure@maindir=\@ensure@dir
24211 \def\@RTL{RTL}
24212 \def\@LTR{LTR}
24213 \def\save@dir{\if@RTL\gdef\save@@dir{RTL}\else\gdef\save@@dir{LTR}\fi}
24214 \def\reset@dir{\ifx\save@@dir\@RTL\setRTL\else\ifx\save@@dir\@LTR\setLTR\else\relax\fi}
24215 \let\@TeX\TeX
24216 \def\TeX{\@ensure@LTR{\@TeX}}
24217 \let\@LaTeX\LaTeX
24218 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
24219 \let\@LaTeXe\LaTeXe
24220 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
24221 \long\def\@bidi@reflect@box#1{%
24222   \leavevmode
24223   \setbox\z@\hbox{#1}}%
24224   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
24225   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}}%
24226 }
24227 \if@bidi@csundef{XeTeX}{%
24228 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
24229   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}%
24230 }{%
24231 \let\@bidi@orig@XeTeX\XeTeX
24232 \bidi@renewrobustcmd*{\XeTeX}{\LR{\@bidi@orig@XeTeX}}%
24233 }
24234 \if@bidi@csundef{XeLaTeX}{%
24235 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
24236   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}%
24237 }{%
24238 \let\@bidi@orig@XeLaTeX\XeLaTeX
24239 \bidi@renewrobustcmd*{\XeLaTeX}{\LR{\@bidi@orig@XeLaTeX}}%
24240 }
24241 \let\setRL=\setRTL
24242 \let\setLR=\setLTR
24243 \let\unsetRL=\setLTR
24244 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
24245 \ApplyPatchIfPackageLoaded{array}{%

```



```

24246 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
24247 \leavevmode
24248 \hbox \bgroup $\left.\col@sep\tabcolsep \let\d@llarbegin\beginngroup
24249 \let\d@llarend\endngroup
24250 \@tabarray}
24251 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
24252 }{%
24253 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
24254 \leavevmode \hbox \bgroup
24255 $\left.\let\@acol\@tabacol
24256 \let\@classz\@tabclassz
24257 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
24258
24259 \def\endbidi@tabular@RTLcases{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
24260 \egroup\right\rbrace $\egroup}}
24261 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
24262 \ialign{##\hfil$&\quad{##}\hfil\crcr#1\crcr}}\,\right\}}
24263 \renewenvironment{RTLcases}{%
24264 \bidi@matrix@check\RTLcases\env@RTLcases
24265 }{%
24266 \endbidi@tabular@RTLcases%
24267 }
24268 \def\env@RTLcases{%
24269 \let\@ifnextchar\bidi@new@ifnextchar
24270 \def\arraystretch{1.2}%
24271 \bidi@tabular@RTLcases{\@{}r{\quad}r{\}}%
24272 }
24273 \def\SepMark#1{\gdef\@SepMark{#1}}
24274 \SepMark{.}
24275 \def\@thmcountersep{\@SepMark}
24276 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemfalse}
24277 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemfalse}
24278 \def\setdefaultbibitems{\@RTLbibitemfalse\@LTRbibitemfalse}
24279 \newcommand*\bidi@thebibliography@font@hook{}
24280 \def\list#1#2{%
24281 \ifnum \@listdepth >5\relax
24282 \toodeep
24283 \else
24284 \global\advance\@listdepth\@ne
24285 \fi
24286 \rightmargin\z@
24287 \listparindent\z@
24288 \itemindent\z@
24289 \csname @list\romannumeral\the\@listdepth\endcsname
24290 \def\@itemlabel{#1}%
24291 \let\makelabel\@mklab
24292 \@nmbrrlistfalse
24293 #2\relax
24294 \@trivlist
24295 \parskip\parsep
24296 \parindent\listparindent
24297 \advance\linewidth -\rightmargin
24298 \advance\linewidth -\leftmargin
24299 \if@bidi@list@minipage@parbox

```




```

24300 \if@RTL
24301 \advance\@totalleftmargin \leftmargin
24302 \else
24303 \advance\@totalleftmargin \rightmargin
24304 \fi
24305 \else
24306 \if@hboxRconstruct
24307 \if@bidi@list@minipage@parbox@not@nob
24308 \if@RTL
24309 \advance\@totalleftmargin \rightmargin
24310 \else
24311 \advance\@totalleftmargin \leftmargin
24312 \fi
24313 \else
24314 \if@RTL
24315 \advance\@totalleftmargin \leftmargin
24316 \else
24317 \advance\@totalleftmargin \rightmargin
24318 \fi\fi
24319 \else
24320 \if@RTL
24321 \advance\@totalleftmargin \rightmargin
24322 \else
24323 \advance\@totalleftmargin \leftmargin
24324 \fi\fi\fi
24325 \parshape \@ne \@totalleftmargin \linewidth
24326 \ignorespaces}
24327 \long\def\@iiparbox#1#2[#3]#4#5{%
24328 \leavevmode
24329 \@pboxswfalse
24330 \if@hboxRconstruct
24331 \@bidi@list@minipage@parbox@not@nobtrue
24332 \fi
24333 \if@RTL
24334 \ifx#1t%
24335 \@bidi@list@minipage@parboxtrue
24336 \else
24337 \ifx#1b%
24338 \@bidi@list@minipage@parboxtrue
24339 \fi
24340 \fi
24341 \fi
24342 \setlength\@tempdima{#4}%
24343 \@begin@tempboxa\vbox{\hspace\@tempdima\@parboxrestore#5\@par}%
24344 \ifx\relax#2\else
24345 \setlength\@tempdimb{#2}%
24346 \edef\@parboxto{to\the\@tempdimb}%
24347 \fi
24348 \if#1b\vbox
24349 \else\if #1t\vtop
24350 \else\ifmmode\vcenter
24351 \else\@pboxswtrue $\vcenter
24352 \fi\fi\fi
24353 \@parboxto{\let\hss\vss\let\unhbox\unvbox

```



```

24354     \csname bm@#3\endcsname}%
24355     \if@pboxsw \m@th$\fi
24356     \@end@tempboxa}
24357 \newenvironment{LTRitems}
24358     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
24359     \if@bidi@list@minipage@parbox
24360     \parshape \@One \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
24361     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
24362     \parshape \@One \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
24363     \parshape \@One \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
24364     \else \parshape \@One \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
24365     \ignorespaces}{\vskip\z@}
24366 \newenvironment{RTLitems}
24367     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
24368     \if@bidi@list@minipage@parbox
24369     \parshape \@One \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
24370     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
24371     \parshape \@One \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
24372     \parshape \@One \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
24373     \else \parshape \@One \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
24374     \ignorespaces}{\vskip\z@}
24375 \newenvironment{LTRbibitems}
24376     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
24377     \if@bidi@list@minipage@parbox
24378     \parshape \@One \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
24379     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
24380     \parshape \@One \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
24381     \parshape \@One \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
24382     \else \parshape \@One \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
24383     \ignorespaces}{\vskip\z@}
24384 \newenvironment{RTLbibitems}
24385     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
24386     \if@bidi@list@minipage@parbox
24387     \parshape \@One \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
24388     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
24389     \parshape \@One \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
24390     \parshape \@One \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
24391     \else \parshape \@One \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
24392     \ignorespaces}{\vskip\z@}
24393 \def\raggedright{%
24394     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
24395     \leftskip\z@skip
24396     \parindent\z@\parfillskip\z@skip}
24397 \let\@bidi@orig@raggedleft\raggedleft
24398 \let\@bidi@orig@raggedright\raggedright
24399 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxR
24400 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxR
24401 \newcommand\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
24402 \newcommand\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
24403 \DeclareRobustCommand\centerline[1]{%
24404 \if@RTL\@@line{\hss\beginR#1\endR\hss}
24405 \else\@@line{\hss#1\hss}\fi}
24406 \def\@bidi@orig@leftline#1{%
24407 \if@RTL\@@line{\beginR#1\endR\hss}

```



```

24408 \else@@@line{#1\hss}\fi}
24409 \def\bidi@orig@rightline#1{%
24410 \ifRTL@@@line{\hss\beginR#1\endR}
24411 \else@@@line{\hss#1}\fi}
24412 \DeclareRobustCommand\leftline[1]{\ifhmode\ifRTL\bidi@orig@rightline{#1}\else\bidi@orig@le
24413 \DeclareRobustCommand\rightline[1]{\ifhmode\ifRTL\bidi@orig@leftline{#1}\else\bidi@orig@ri
24414 \DeclareRobustCommand\bidirlap[1]{\hb@xt@z@{\ifRTL\hss\fi#1\ifRTL\else\hss\fi}}
24415 \DeclareRobustCommand\bidillap[1]{\hb@xt@z@{\ifRTL\else\hss\fi#1\ifRTL\hss\fi}}
24416 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
24417 \hangindent \ifRTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
24418 \def\narrower{%
24419 \advance\ifRTL\rightskip\else\leftskip\fi\parindent
24420 \advance\ifRTL\leftskip\else\rightskip\fi\parindent}
24421 \DeclareRobustCommand\underline[1]{%
24422 \relax
24423 \ifmmode@@@underline{#1}%
24424 \else
24425 \ifRTL $\@@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
24426 \else
24427 $\@@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
24428 \if@compatibility
24429 \let\undertext=\underline
24430 \fi
24431 \def@@@tabular{%
24432 \leavevmode \hbox \bgroup \ifRTLTab\beginR \fi
24433 $\let\@acol\@tabacol
24434 \let\@classz\@tabclassz
24435 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
24436 \def\endtabular{\crr\egroup\ifRTLTab\egroup\endR\egroup\fi
24437 \egroup $\ifRTLTab\endR\fi\egroup}
24438 \expandafter \let \csname endtabular*\endcsname = \endtabular
24439 \def@@@array[#1]#2{%
24440 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
24441 \bgroup
24442 \setbox\@arstrutbox\hbox{%
24443 \vrule \@height\arraystretch\ht\strutbox
24444 \@depth\arraystretch \dp\strutbox
24445 \@width\z@}%
24446 \@mkpream{#2}%
24447 \edef\@preamble{%
24448 \ialign \noexpand\@halignto
24449 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
24450 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24451 \let\@tabularnewline\\%
24452 \let\par\@empty
24453 \let\@sharp##%
24454 \set@typeset@protect
24455 \lineskip\z@skip\baselineskip\z@skip
24456 \ifhmode \@preamerr\z@ \@@par\fi
24457 \ifRTLTab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
24458 \@preamble}
24459 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
24460 \let\@classiv\@arrayclassiv
24461 \let\\\@arraycr\let\@halignto\@empty\@RTLTabfalse\@tabarray}

```



```

24462 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
24463   \ifnum \@lastchclass=3 5 \else
24464     \z@ \if #1c\@chnum \z@ \else
24465       \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
24466         \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
24467           \@chclass \if #1|\@ne \else
24468             \if #1@\tw@ \else
24469               \if #1p3 \else \z@ \@preamerr 0\fi
24470 \fi \fi \fi \fi \fi \fi
24471 \fi}
24472 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
24473 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
24474 \def\bm@t{\unhbox\@tempboxa\hss}
24475 \def\bm@b{\hss\unhbox\@tempboxa}
24476 \def\@dottedtocline#1#2#3#4#5{%
24477   \ifnum #1>\c@tocdepth \else
24478     \vskip \z@ \@plus.2\p@
24479     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@toctrm
24480     \parindent #2\relax\@afterindenttrue
24481     \interlinepenalty\@M
24482     \leavevmode
24483     \@tempdima #3\relax
24484     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rig
24485     #4}\nobreak
24486     \leaders\hbox{\$m@th
24487       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
24488       mu$}\hfill
24489     \nobreak
24490     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
24491     \par}%
24492 \fi}
24493
24494 \newcount\@bidi@column@check@number
24495
24496 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
24497
24498 \def\@bidi@set@column@status#1#2{%
24499   \global\expandafter\let\csname #1\endcsname\@bidi@current@column@status}
24500
24501 \if@twocolumn
24502 \newcommand\DetectColumn[3][1]{%
24503   \ifx\@bidi@firstcolumn@status@write\relax
24504     \PackageError{bidi}%
24505     {Option 'DetectColumn' not selected}%
24506     {\string\DetectColumn\space
24507     requires the use of the 'DetectColumn'
24508     option on the package}%
24509 \fi
24510 \global\advance\@bidi@column@check@number\@ne
24511 \edef\@bidi@column@type{\expandafter\ifx
24512   \csname bidi@column-\the\@bidi@column@check@number\endcsname\relax
24513   0\else
24514   \csname bidi@column-\the\@bidi@column@check@number\endcsname
24515 \fi}%

```



```

24516 \ifcase \bidi@column@type\relax
24517   \ifcase #1\or #2\or#3\fi   % 0 not known use first column as default
24518   \or
24519     #2% % 1 First column
24520   \or
24521     #3% % 2 Second (Last column)
24522   \else
24523     \ERROR
24524   \fi
24525   \edef\next{\write\@auxout
24526     {\string\bidi@set@column@status{\bidi@column-\the\bidi@column@check@number}%
24527       {\bidi@column@type}}}%
24528   \next
24529 }
24530
24531 \AtEndDocument{\def\bidi@set@column@status#1#2{%
24532   \ifnum #2=\bidi@current@column@status\else
24533     \@tempwatrue
24534   \fi}%
24535 }
24536 \fi
24537
24538 \def\RTL@outputdblcol{%
24539   \if@firstcolumn
24540     \global\@firstcolumnfalse
24541     \global\setbox\@leftcolumn\copy\@outputbox
24542     \splitmaxdepth\maxdimen
24543     \vbadness\maxdimen
24544     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
24545     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
24546     \toks@\expandafter{\topmark}%
24547     \xdef\@firstcoltopmark{\the\toks@}%
24548     \toks@\expandafter{\splitfirstmark}%
24549     \xdef\@firstcolfirstmark{\the\toks@}%
24550     \ifx\@firstcolfirstmark\@empty
24551       \global\let\@setmarks\relax
24552     \else
24553       \gdef\@setmarks{%
24554         \let\firstmark\@firstcolfirstmark
24555         \let\topmark\@firstcoltopmark}%
24556     \fi
24557   \else
24558     \global\@firstcolumntrue
24559     \setbox\@outputbox\vbox{%
24560     \hb@xt@\textwidth{%
24561       \hskip \columnwidth
24562       \hfil
24563       {\normalcolor\vrule \@width\columnseprule}%
24564       \hfil
24565       \hb@xt@\columnwidth{%
24566         \bidi@firstcolumn@status@write%
24567         \box\@leftcolumn \hss}%
24568       \hskip -\textwidth
24569       \hb@xt@\columnwidth{%

```



```

24570     \bidi@lastcolumn@status@write%
24571     \box\@outputbox \hss}%
24572     \hskip \columnsep
24573     \hskip \columnwidth }%
24574 \@combinedblfloats
24575     \@setmarks
24576     \@outputpage
24577     \begingroup
24578     \@dblfloatplacement
24579     \@startdblcolumn
24580     \@whilesw@if@fcolmade \fi{\@outputpage
24581     \@startdblcolumn}%
24582     \endgroup
24583     \fi}%
24584
24585 \def\LTR@outputdblcol{%
24586     \if@firstcolumn
24587     \global\@firstcolumnfalse
24588     \global\setbox\@leftcolumn\copy\@outputbox
24589     \splitmaxdepth\maxdimen
24590     \vbadness\maxdimen
24591     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
24592     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
24593     \toks@\expandafter{\topmark}%
24594     \xdef\@firstcoltopmark{\the\toks@}%
24595     \toks@\expandafter{\splitfirstmark}%
24596     \xdef\@firstcolfirstmark{\the\toks@}%
24597     \ifx\@firstcolfirstmark\@empty
24598     \global\let\@setmarks\relax
24599     \else
24600     \gdef\@setmarks{%
24601     \let\firstmark\@firstcolfirstmark
24602     \let\topmark\@firstcoltopmark}%
24603     \fi
24604     \else
24605     \global\@firstcolumntrue
24606     \setbox\@outputbox\vbox{%
24607     \hb@xt@\textwidth{%
24608     \hb@xt@\columnwidth{%
24609     \bidi@firstcolumn@status@write%
24610     \box\@leftcolumn \hss}%
24611     \hfil
24612     {\normalcolor\vrule \@width\columnseprule}%
24613     \hfil
24614     \hb@xt@\columnwidth{%
24615     \bidi@lastcolumn@status@write%
24616     \box\@outputbox \hss}}}%
24617 \@combinedblfloats
24618     \@setmarks
24619     \@outputpage
24620     \begingroup
24621     \@dblfloatplacement
24622     \@startdblcolumn
24623     \@whilesw@if@fcolmade \fi{\@outputpage

```



```

24624     \@startdblcolumn}%
24625     \endgroup
24626     \fi}%
24627
24628
24629 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
24630 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
24631 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
24632
24633 \bidi@patchcmd\@makecol{%
24634     \ifvoid\footins
24635     \setbox\@outputbox \box\@cclv
24636     \else
24637     \setbox\@outputbox \vbox {%
24638         \boxmaxdepth \@maxdepth
24639         \unvbox \@cclv
24640         \vskip \skip\footins
24641         \color@begingroup
24642         \normalcolor
24643         \footnoterule
24644         \unvbox \footins
24645         \color@endgroup
24646     }%
24647     \fi
24648 }{%
24649     \ifvoid\footins
24650     \ifvoid\@bidi@copyins@
24651     \setbox\@outputbox \box\@cclv
24652     \else
24653     \setbox\@outputbox \vbox {%
24654         \boxmaxdepth \@maxdepth
24655         \unvbox \@cclv
24656         \vskip \skip\@bidi@copyins@
24657         \color@begingroup
24658         \normalcolor
24659         \unvbox \@bidi@copyins@
24660         \color@endgroup
24661     }%
24662     \fi
24663     \else
24664     \setbox\@outputbox \vbox {%
24665         \boxmaxdepth \@maxdepth
24666         \unvbox \@cclv
24667         \vskip \skip\footins
24668         \color@begingroup
24669         \normalcolor
24670         \footnoterule
24671         \unvbox \footins
24672         \color@endgroup
24673     \ifvoid\@bidi@copyins@
24674     \else
24675     \vskip \skip\@bidi@copyins@
24676     \color@begingroup
24677     \normalcolor

```



```

24678         \unvbox \@bidi@copyins@
24679         \color@endgroup
24680     \fi
24681     }%
24682 \fi
24683 }-{}-{}
24684
24685 \def\LTRmarginpar{%
24686     \ifhmode
24687         \bsphack
24688         \@floatpenalty -\@Mii
24689     \else
24690         \@floatpenalty-\@Miii
24691     \fi
24692     \ifinner
24693         \@parmoderr
24694         \@floatpenalty\z@
24695     \else
24696         \@next\@currbox\@freelist{}-{}%
24697         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
24698         {\@floatpenalty\z@
24699         \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
24700     \fi
24701     \@ifnextchar [\@LTRxmpar\@LTRympar}
24702 \long\def\@LTRxmpar[#1]#2{%
24703     \@LTRsavemarbox\@marbox{#1}%
24704     \@LTRsavemarbox\@currbox{#2}%
24705     \@xympar}
24706 \long\def\@LTRympar#1{%
24707     \@LTRsavemarbox\@marbox{#1}%
24708     \global\setbox\@currbox\copy\@marbox
24709     \@xympar}
24710 \long\def \@LTRsavemarbox #1#2{%
24711     \global\setbox #1%
24712         \color@vbox
24713         \vtop{%
24714             \hsize\marginparwidth
24715             \@parboxrestore
24716             \@LTRmarginparreset
24717             #2%
24718             \@minipagefalse
24719             \outer@nobreak
24720             }%
24721     \color@endbox
24722 }
24723 \def \@LTRmarginparreset {%
24724     \reset@font
24725     \normalsize
24726     \@minipagetrue
24727     \everypar{\@minipagefalse\everypar{}\beginL}%
24728 }
24729 \def\RTLmarginpar{%
24730     \ifhmode
24731         \bsphack

```




```

24732 \@floatpenalty -\@Mii
24733 \else
24734 \@floatpenalty-\@Miii
24735 \fi
24736 \ifinner
24737 \@parmoderr
24738 \@floatpenalty\z@
24739 \else
24740 \@next\@currbox\@freelist{-}{-}%
24741 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
24742 {\@floatpenalty\z@
24743 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
24744 \fi
24745 \@ifnextchar [\@RTLxmpar\@RTLympar}
24746 \long\def\@RTLxmpar[#1]#2{%
24747 \@RTLSavemarbox\@marbox{#1}%
24748 \@RTLSavemarbox\@currbox{#2}%
24749 \@xympar}
24750 \long\def\@RTLympar#1{%
24751 \@RTLSavemarbox\@marbox{#1}%
24752 \global\setbox\@currbox\copy\@marbox
24753 \@xympar}
24754 \long\def \@RTLSavemarbox #1#2{%
24755 \global\setbox #1%
24756 \color@vbox
24757 \vtop{%
24758 \hsize\marginparwidth
24759 \@parboxrestore
24760 \@RTLMarginparreset
24761 #2%
24762 \@minipagefalse
24763 \outer@nobreak
24764 }%
24765 \color@endbox
24766 }
24767 \def \@RTLMarginparreset {%
24768 \reset@font
24769 \normalsize
24770 \@minipagetrue
24771 \everypar{\@minipagefalse\everypar{}}\beginR}%
24772 }
24773 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
24774 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
24775 \if@twocolumn
24776 \if@firstcolumn \@tempcnta\m@ne \fi
24777 \else
24778 \if@mparswitch
24779 \ifodd\c@page \else\@tempcnta\m@ne \fi
24780 \fi
24781 \if@reversemargin \@tempcnta -\@tempcnta \fi
24782 \fi
24783 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
24784 \@tempdima\@mparbottom
24785 \advance\@tempdima -\@pageht

```



```

24786 \advance\@tempdima\ht\@marbox
24787 \ifdim\@tempdima >\z@
24788 \latex@warning@no@line {Marginpar on page \thepage\space moved}%
24789 \else
24790 \@tempdima\z@
24791 \fi
24792 \global\@mparbottom\@pageht
24793 \global\advance\@mparbottom\@tempdima
24794 \global\advance\@mparbottom\dp\@marbox
24795 \global\advance\@mparbottom\marginparpush
24796 \advance\@tempdima -\ht\@marbox
24797 \global\setbox \@marbox
24798 \vbox {\vskip \@tempdima
24799 \box \@marbox}%
24800 \global \ht\@marbox \z@
24801 \global \dp\@marbox \z@
24802 \kern -\@pagedp
24803 \nointerlineskip
24804 \hb@xt@\columnwidth
24805 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
24806 \hskip\columnwidth \hskip\marginparsep
24807 \else
24808 \hskip -\marginparsep \hskip -\marginparwidth
24809 \fi
24810 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
24811 \nointerlineskip
24812 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
24813 \long\def\@ympar#1{%
24814 \savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmargin
24815 \global\setbox\@currbox\copy\@marbox
24816 \@xympar}
24817 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
24818 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
24819 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
24820 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
24821 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
24822 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
24823 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
24824 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
24825 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
24826 \fi}
24827
24828 \newcommand*\bidi@font@@outputpage-{}
24829
24830 \def\@outputpage{%
24831 \begingroup % the \endgroup is put in by \aftergroup
24832 \let \protect \noexpand
24833 \@resetactivechars
24834 \global\let\@if@newlist\if@newlist
24835 \global\@newlistfalse
24836 \@parboxrestore
24837 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
24838 \bidi@beforeoutputpageshipouthook
24839 \shipout \vbox{%

```



```

24840 \set@typeset@protect
24841 \aftergroup \endgroup
24842 \aftergroup \set@typeset@protect
24843 % correct? or just restore by ending
24844 % the group?
24845 \if@specialpage
24846 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
24847 \fi
24848 \if@twoside
24849 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
24850 \ifRTLmain
24851 \let\@themargin\evensidemargin
24852 \else
24853 \let\@themargin\oddsidemargin
24854 \fi
24855 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
24856 \ifRTLmain
24857 \let\@themargin\oddsidemargin
24858 \else
24859 \let\@themargin\evensidemargin
24860 \fi
24861 \fi
24862 \ifx\@thehead\@empty \let\@thehead\hfil \fi
24863 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
24864 \else %% not @twoside
24865 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
24866 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
24867 \fi
24868 \reset@font
24869 \normalsize
24870 \bidi@font@@outputpage
24871 \normalsfcodes
24872 \let\label\@gobble
24873 \let\index\@gobble
24874 \let\glossary\@gobble
24875 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
24876 \@begindivi
24877 \vskip \topmargin
24878 \moveright\@themargin \vbox {%
24879 \global\let\bidi@BeforeHeader\@firstofone
24880 \bidi@beforeheaderhook
24881 \setbox\@tempboxa \vbox to\headheight{%
24882 \vfil
24883 \color@hbox
24884 \normalcolor
24885 \hb@xt@\textwidth{\ifRTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\i
24886 \color@endbox
24887 }% %% 22 Feb 87
24888 \dp\@tempboxa \z@
24889 \box\@tempboxa
24890 \vskip \headsep
24891 \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
24892 \bidi@beforeoutputboxoutputpagehook
24893 \box\@outputbox

```



```

24894 \global\let\bidiafteroutputboxoutputpage\@firstofone
24895 \bidiafteroutputboxoutputpagehook
24896 \global\let\bidibeforefooter\@firstofone
24897 \bidibeforefooterhook
24898 \baselineskip \footskip
24899 \color@hbox
24900 \normalcolor
24901 \hb@xt@\textwidth{\ifRTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@
24902 \color@endbox
24903 \global\let\bidiafterfooter\@firstofone
24904 \bidiafterfooterhook
24905 }%
24906 }%
24907 \global\let\bidiafteroutputpageshipout\@firstofone
24908 \bidiafteroutputpageshipouthook
24909 \global\let\ifnewlist\@ifnewlist
24910 \global \colht \textheight
24911 \stepcounter{page}%
24912 \let\firstmark\botmark
24913 \global\let\bidiatendoutputpage\@firstofone
24914 \bidiatendoutputpagehook
24915 }
24916 \long\def\@makecaption#1#2{%
24917 \vskip\abovecaptionskip
24918 \sbox\@tempboxa{#1: #2}%
24919 \ifdim \wd\@tempboxa >\hsize
24920 \ifRTL\beginR\fi#1: #2\ifRTL\endR\fi\par
24921 \else
24922 \global \@minipagefalse
24923 \hb@xt@\hsize{\ifRTL\beginR\fi\hfil\box\@tempboxa\hfil\ifRTL\endR\fi}%
24924 \fi
24925 \vskip\belowcaptionskip}
24926 \let\bidisaved@eqno=\eqno
24927 \let\bidisaved@leqno=\leqno
24928 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
24929 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
24930 \ApplyPatchIfPackageLoadedF{amsmath}{
24931 \def\@eqnnum{\normalfont \normalcolor \ifRTL\beginR\fi(\theequation)\ifRTL\endR\fi}}
24932 }
24933 \input{footnote-xetex-bidi.def}
24934 \if@twocolumn
24935 \let\autofooterule\relax
24936 \let\leftfootnoterule\relax
24937 \let\rightfootnoterule\relax
24938 \textwidthfootnoterule
24939 \fi
24940 \if@bidi@csundef{@idxitem}{-}{%
24941 \renewcommand\@idxitem{\par\hangindent \ifRTL-\fi40\p@}%
24942 }
24943
24944 \ApplyPatchToClassesIfPackageLoadedF{%
24945 book, %
24946 report %
24947 }{flowfram}

```



```

24948
24949 \ApplyPatchToPackageIfPackageLoadedF{float}{floatrow}
24950
24951 \ApplyPatchToFilesIfPackageLoadedF{amsmath}{%
24952   fleqn, %
24953   leqno%
24954 }[clo]
24955
24956 \ApplyPatchToClasses{%
24957   amsart, %
24958   amsbook, %
24959   article, %
24960   artikel1, %
24961   artikel2, %
24962   artikel3, %
24963   beamer, %
24964   boek, %
24965   boek3, %
24966   bookest, %
24967   combine, %
24968   extbook, %
24969   extletter, %
24970   extarticle, %
24971   extreport, %
24972   imspoc, %
24973   letter, %
24974   memoir, %
24975   rapport1, %
24976   rapport3, %
24977   refrep, %
24978   scrartcl, %
24979   scrbook, %
24980   screprt %
24981 }
24982
24983 \ApplyPatchToPackages{%
24984   adjmulticol, %
24985   algorithm2e, %
24986   amsmath, %
24987   amstext, %
24988   amsthm, %
24989   arydshln, %
24990   array, %
24991   beamerbaseauxtemplates, %
24992   beamerbaseboxes, %
24993   beamerbasecolor, %
24994   beamerbasecompatibility, %
24995   beamerbaseframecomponents, %
24996   beamerbaseframesize, %
24997   beamerbaselocalstructure, %
24998   beamerbasemisc, %
24999   beamerbasenavigation, %
25000   beamerbaseoverlay, %
25001   beamerinnerthemecircles, %

```



25002 beamerinnerthemedefault, %
25003 beamerinnerthemefocus, %
25004 beamerinnerthemeinmargin, %
25005 beamerinnerthememetropolis, %
25006 beamerinnerthemerectangles, %
25007 beamerinnerthemrounded, %
25008 beamerouterthemedefault, %
25009 beamerouterthemefocus, %
25010 beamerouterthemeinfolines, %
25011 beamerouterthememetropolis, %
25012 beamerouterthememiniframes, %
25013 beamerouterthemesidebar, %
25014 beamerouterthemesplit, %
25015 beamerouterthemeshadow, %
25016 beamerouterthesmoothbars, %
25017 beamerouterthesmoothtree, %
25018 beamerouterthemetree, %
25019 beamerthemeHannover, %
25020 beamerthemeSingapore, %
25021 breqn, %
25022 cals, %
25023 caption, %
25024 caption3, %
25025 color, %
25026 colortbl, %
25027 crop, %
25028 cuted, %
25029 cutwin, %
25030 dblfnote, %
25031 diagbox, %
25032 draftwatermark, %
25033 eso-pic, %
25034 empheq, %
25035 fancybox, %
25036 fancyhdr, %
25037 fix2col, %
25038 float, %
25039 floatrow, %
25040 flowfram, %
25041 fnpct, %
25042 footnotebackref, %
25043 framed, %
25044 ftnright, %
25045 geometry, %
25046 graphicx, %
25047 hvfloat, %
25048 hyperref, %
25049 lettrine, %
25050 lineno, %
25051 listings, %
25052 longtable, %
25053 lscape, %
25054 mathtools, %
25055 mdframed, %



```

25056 media9, %
25057 midfloat, %
25058 minitoc, %
25059 multicol, %
25060 multienum, %
25061 natbib, %
25062 newfloat, %
25063 nicematrix, %
25064 ntheorem, %
25065 ntheorem-hyper, %
25066 overpic, %
25067 pdfbase, %
25068 pdfscape, %
25069 pgfsys, %
25070 picinpar, %
25071 quotchap, %
25072 ragged2e, %
25073 rotating, %
25074 sidecap, %
25075 soul, %
25076 stabular, %
25077 subfigure, %
25078 tabs, %
25079 tabularx, %
25080 tabulary, %
25081 tcolorbox, %
25082 thmbox, %
25083 titlesec, %
25084 titletoc, %
25085 tocbasic, %
25086 tocbibind, %
25087 tocloft, %
25088 tocstyle, %
25089 todonotes, %
25090 wrapfig, %
25091 xcolor, %
25092 xltextra %
25093 }
25094
25095 \ApplyPatchToFiles{%
25096   pgfcorescopes.code, %
25097   pstricks %
25098 }[tex]
25099
25100 \ApplyPatchToFile{tc-xetex}
25101

```

164 File xltextra-xetex-bidi.def

```

25102 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package
25103 \let\@XeTeX\XeTeX
25104 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
25105 \let\@XeLaTeX\XeLaTeX
25106 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```



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