



The bidi Package

Source documentation for version 39.8

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/kvafa/bidi/issues>

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

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

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

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

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The *bidi* Package

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

Source documentation for version 39.8

Vafa Khalighi*

August 2, 2023

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*Thanks to the `bidi-tex` GitHub organization consisted of David Carlisle and other members of the $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ team to maintain 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 X
2 \def\tocline#1#2#3#4#5#6#7{\relax
3 \ifnum #1>\c@tocdepth % then omit
4 \else
5 \par \addpenalty\@secpenalty\addvspace{#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 \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31 \hrule\@width 5pc\kern11\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 \@makefnmark%
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\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@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\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 p
132 \def\adjmulticols#1#2#3{\col@number#1\relax
133 \def\@tempa{#2}%
134 \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
135 \def\@tempa{#3}%
136 \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
137 \ifnum\col@number<\@ne
138 \PackageWarning{adjmulticol}%
139 {Using '\number\col@number'
140 columns doesn't seem a good idea.^^J
141 I therefore use one columns instead}%
142 \col@number\@ne\fi
143 \ifnum\col@number>10
144 \PackageError{adjmulticol}%
145 {Too many columns}%
146 {Current implementation doesn't
147 support more than 10 columns.%
148 \MessageBreak
149 I therefore use 10 columns instead}%
150 \col@number10 \fi
151 \ifx\@footnotetext\mult@footnotetext\else
152 \let\orig@footnotetext\@footnotetext
153 \let\@footnotetext\mult@footnotetext
154 \fi
155 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
156 \let\orig@LTRfootnotetext\@LTRfootnotetext
157 \let\@LTRfootnotetext\mult@LTRfootnotetext

```




```

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

```

3 File algorithm2e-xetex-bidi.def

```

165 \ProvidesFile{algorithm2e-xetex-bidi.def}[2018/09/23 v0.2 bidi adaptations for algorithm2e p
166 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \else%
169 \fi
170 \ifpackageloaded{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 }

```

4 File amsbook-xetex-bidi.def

```

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

```



```

206 }%
207 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
208 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
209 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
210 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
211 \nobreak
212 \endgroup
213 \fi}
214 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
215 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
216 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
217 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
218 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
219 \columnseprule\z@ \columnsep 35\p@
220 \@indextitlestyle
221 \thispagestyle{plain}%
222 \let\item\@idxitem
223 \parindent\z@ \parskip\z@\@plus.3\p@\relax
224 \if@RTL\raggedleft\else\raggedright\fi
225 \hyphenpenalty\@M
226 \footnotesize}
227 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
228 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
229 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
230 \def\right@footnoterule{%
231 \kern-.4\p@
232 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
233 \kern11\p@\kern-\footnotesep}
234 \def\left@footnoterule{\kern-.4\p@
235 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
236
237 \long\def\@footnotetext#1{%
238 \insert\footins{%
239 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
240 \reset@font%
241 \bidi@@footnotetext@font% \normalfont\footnotesize
242 \interlinepenalty\interfootnotelinepenalty
243 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
244 \floatingpenalty\@MM \hsize\columnwidth
245 \@parboxrestore \parindent\normalparindent \sloppy
246 \protected@edef\@currentlabel{%
247 \csname p@footnote\endcsname\@thefnmark}%
248 \@makefnmark%
249 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
250
251 \long\def\@RTLfootnotetext#1{%
252 \insert\footins{%
253 \@RTLtrue%
254 \reset@font%
255 \bidi@@RTLfootnotetext@font% \normalfont\footnotesize
256 \interlinepenalty\interfootnotelinepenalty
257 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258 \floatingpenalty\@MM \hsize\columnwidth
259 \@parboxrestore \parindent\normalparindent \sloppy

```



```

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

```



```

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

```

5 File amsmath-xetex-bidi.def

```

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

```

6 File amstext-xetex-bidi.def

```

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

```

7 File amsthm-xetex-bidi.def

```

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

```

8 File array-xetex-bidi.def

```

351 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for X
352 \def\@testpach{\@chclass
353   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
354   \ifnum \@lastchclass=7 5 \else
355   \ifnum \@lastchclass=8 \tw@ \else

```



```

356 \ifnum \@lastchclass=9 \thr@@
357 \else \z@
358 \ifnum \@lastchclass = 10 \else
359 \edef\@nextchar{\expandafter\string\@nextchar}%
360 \@chnum
361 \if \@nextchar c\z@ \else
362 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
363 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
364 \z@ \@chclass
365 \if\@nextchar |\@ne \else
366 \if \@nextchar !6 \else
367 \if \@nextchar @7 \else
368 \if \@nextchar <8 \else
369 \if \@nextchar >9 \else
370 10
371 \@chnum
372 \if \@nextchar m\thr@@\else
373 \if \@nextchar p4 \else
374 \if \@nextchar b5 \else
375 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
376 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
377 \def\@tabular{%
378 \leavevmode
379 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabc@sep \let\d@llarbegin\beginR
380 \let\d@llarend\endR
381 \@tabarray}
382 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
383 \expandafter\let\csname endtabular*\endcsname=\endtabular
384 \def\@array[#1]#2{%
385 \@tempdima \ht \strutbox
386 \advance \@tempdima by\extrarowheight
387 \setbox \@arstrutbox \hbox{\vrule
388 \@height \arraystretch \@tempdima
389 \@depth \arraystretch \dp \strutbox
390 \@width \z@}%
391 \beginR
392 \mkpream{#2}%
393 \xdef\@preamble{\noexpand \ialign \@halignto
394 \bgroup \@arstrut \@preamble
395 \tabskip \z@ \cr}%
396 \endR
397 \@arrayleft
398 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
399 \bgroup
400 \let \@sharp ##\let \protect \relax
401 \lineskip \z@
402 \baselineskip \z@
403 \m@th
404 \let\\\@arraycr \let\@tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxR
405 \def\@tabarray{\@ifnextchar{\@array}{\@array[c]}}
406 \def\endarray{\cr\egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
407 \def\array{\col@sep\arraycolsep
408 \def\d@llarbegin{\$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}
409 \@RTLtabfalse\@tabarray}

```



9 File article-xetex-bidi.def

```
410 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article
411 \if@titlepage
412 \renewcommand\maketitle{\begin{titlepage}%
413 \let\footnotesize\small
414 \let\right@footnoterule\relax
415 \let\left@footnoterule\relax
416 \let\textwidth@footnoterule\relax
417 \let \footnote \thanks
418 \let \LTRfootnote \LTRthanks
419 \let \RTLfootnote \RTLthanks
420 \null\vfil
421 \vskip 60\p@
422 \begin{center}%
423 {\LARGE \@title \par}%
424 \vskip 3em%
425 {\large
426 \lineskip .75em%
427 \begin{tabular}[t]{c}%
428 \@author
429 \end{tabular}\par}%
430 \vskip 1.5em%
431 {\large \@date \par}% % Set date in \large size.
432 \end{center}\par
433 \@thanks
434 \vfil\null
435 \end{titlepage}%
436 \setcounter{footnote}{0}%
437 \global\let\thanks\relax
438 \global\let\LTRthanks\relax
439 \global\let\RTLthanks\relax
440 \global\let\maketitle\relax
441 \global\let\@thanks\@empty
442 \global\let\@author\@empty
443 \global\let\@date\@empty
444 \global\let\@title\@empty
445 \global\let\title\relax
446 \global\let\author\relax
447 \global\let\date\relax
448 \global\let\and\relax
449 }
450 \else
451 \renewcommand\maketitle{\par
452 \begingroup
453 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
454 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
455 \long\def\@makefntext##1{\parindent 1em\noindent
456 \hb@xt@1.8em{\
457 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
458 \if@twocolumn
459 \ifnum \col@number=\@ne
460 \maketitle
461 \else
```



```

462     \twocolumn[\@maketitle]%
463     \fi
464     \else
465     \newpage
466     \global\@topnum\z@   % Prevents figures from going at top of page.
467     \@maketitle
468     \fi
469     \thispagestyle{plain}\@thanks
470 \endgroup
471 \setcounter{footnote}{0}%
472 \global\let\thanks\relax
473 \global\let\LTRthanks\relax
474 \global\let\RTLthanks\relax
475 \global\let\maketitle\relax
476 \global\let\@maketitle\relax
477 \global\let\@thanks\@empty
478 \global\let\@author\@empty
479 \global\let\@date\@empty
480 \global\let\@title\@empty
481 \global\let\title\relax
482 \global\let\author\relax
483 \global\let\date\relax
484 \global\let\and\relax
485 }
486 \def\@maketitle{%
487   \newpage
488   \null
489   \vskip 2em%
490   \begin{center}%
491     \let \footnote \thanks
492     \let \LTRfootnote \LTRthanks
493     \let \RTLfootnote \RTLthanks
494     {\LARGE \@title \par}%
495     \vskip 1.5em%
496     {\large
497       \lineskip .5em%
498       \begin{tabular}[t]{c}%
499         \@author
500       \end{tabular}\par}%
501     \vskip 1em%
502     {\large \@date}%
503   \end{center}%
504   \par
505   \vskip 1.5em}
506 \fi
507 \renewcommand*\l@part[2]{%
508   \ifnum \c@tocdepth >-2\relax
509     \addpenalty\@secpenalty
510     \addvspace{2.25em \@plus\p@}%
511     \setlength\@tempdima{3em}%
512     \begingroup
513       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
514       \parfillskip -\@pnumwidth
515     {\leavevmode

```



```

516     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
517     \nobreak
518     \if@compatibility
519         \global\@nobreaktrue
520         \everypar{\global\@nobreakfalse\everypar{}}%
521     \fi
522 \endgroup
523 \fi}
524 \renewcommand*\l@section[2]{%
525 \ifnum \c@tocdepth >\z@
526     \addpenalty\@secpenalty
527     \addvspace{1.0em \@plus\p@}%
528     \setlength\@tempdima{1.5em}%
529     \begingroup
530         \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
531         \parfillskip -\@pnumwidth
532         \leavevmode \bfseries
533         \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
534         \hskip -\if@RTL\rightskip\else\leftskip\fi
535         #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
536     \endgroup
537 \fi}
538 \renewcommand\left@footnoterule{%
539 \kern-3\p@
540 \hrule\@width.4\columnwidth
541 \kern2.6\p@}
542 \renewcommand\right@footnoterule{%
543 \kern-3\p@
544 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
545 \kern2.6\p@}
546 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
547 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
548 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
549 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
550 \def\@part [#1]#2{%
551     \ifnum \c@secnumdepth >\m@ne
552         \refstepcounter{part}%
553         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
554     \else
555         \addcontentsline{toc}{part}{#1}%
556     \fi
557     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
558     \interlinepenalty \@M
559     \normalfont
560     \ifnum \c@secnumdepth >\m@ne
561         \Large\bfseries \partname\nobreakspace\thepart
562         \par\nobreak
563     \fi
564     \huge \bfseries #2%
565     \markboth{}{\par}%
566     \nobreak
567     \vskip 3ex
568     \@afterheading}
569 \renewenvironment{thebibliography}[1]

```




```

570 {\section*{\refname}%
571 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
572 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
573 \bidi@thebibliography@font@hook%
574 \list{\@biblabel{\@arabic\c@enumiv}}%
575 {\settowidth\labelwidth{\@biblabel{#1}}%
576 \leftmargin\labelwidth
577 \advance\leftmargin\labelsep
578 \@openbib@code
579 \usecounter{enumiv}%
580 \let\p@enumiv\@empty
581 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
582 \sloppy
583 \clubpenalty4000
584 \@clubpenalty \clubpenalty
585 \widowpenalty4000%
586 \sfcode\.\@m}
587 {\def\@noitemerr
588 {\@latex@warning{Empty `thebibliography' environment}}}%
589 \endlist}
590 \renewenvironment{theindex}
591 {\if@twocolumn
592 \@restonecolfalse
593 \else
594 \@restonecoltrue
595 \fi
596 \columnseprule \z@
597 \columnsep 35\p@
598 \twocolumn[\section*{\indexname}]%
599 \mkboth{\MakeUppercase\indexname}%
600 {\MakeUppercase\indexname}%
601 \thispagestyle{plain}\parindent\z@
602 \parskip\z@ \@plus .3\p@\relax
603 \let\item\@idxitem}
604 {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

605 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class f
606 \renewenvironment{theindex}{%
607 \if@twocolumn
608 \@restonecolfalse
609 \else
610 \@restonecoltrue
611 \fi
612 \columnseprule \z@
613 \columnsep 35\p@
614 \twocolumn[\section*{\indexname}]%
615 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
616 \thispagestyle{plain}\parindent\z@
617 \parskip\z@ \@plus .3\p@\relax
618 \let\item\@idxitem
619 }{%
620 \if@restonecol\onecolumn\else\clearpage\fi}

```



```

621 \renewcommand* \head@style{%
622   \interlinepenalty \@M
623   \hyphenpenalty=\@M \exhyphenpenalty=\@M
624   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
625 \if@titlepage
626   \renewenvironment{abstract}{%
627     \titlepage
628     \null\vfil
629     \section*{\SectFont\abstractname}
630     \noindent\ignorespaces}
631   {\par\vfil\null\endtitlepage}
632 \else
633   \renewenvironment{abstract}{%
634     \if@twocolumn
635       \section*{\abstractname}%
636     \else
637       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
638       \section*{\small\SectFont\abstractname}%
639       \noindent\ignorespaces
640     \fi}
641   {\if@twocolumn\else\par\egroup\fi}
642 \fi
643 \renewcommand* \@regtocline[3]{%
644   \ifnum #1>\c@tocdepth
645     \else
646       \vskip\z@\@plus.2\p@
647       {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
648        \if@RTL\rightskip\else\leftskip\fi\unitindent
649        \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
650        \parfillskip\z@
651        \@tempdima\unitindent
652        \parindent\z@
653        \leavevmode
654        \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
655        \hskip 1em \nobreak{\slshape #3}\par
656       }%
657   \fi}
658 \if@oldtoc
659 \renewcommand* \l@part[2]{%
660   \ifnum \c@tocdepth >-2\relax
661     \addpenalty\@secpenalty
662     \addvspace{2.25em \@plus\p@}%
663     \begingroup
664     \setlength\@tempdima{3em}%
665     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
666     \parfillskip -\@pnumwidth
667     {\leavevmode
668      \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
669     \nobreak
670     \if@compatibility
671       \global\@nobreaktrue
672     \everypar{\global\@nobreakfalse\everypar{}}%
673     \fi
674   \endgroup

```



```

675 \fi}
676 \else
677 \renewcommand*\l@part{%
678 \ifnum \c@tocdepth >-2\relax
679 \addpenalty\@secpenalty
680 \advvspace{2.25em \@plus \p@}%
681 \@regtocline{0}%
682 \fi}
683 \fi
684 \if@oldtoc
685 \renewcommand*\l@section[2]{%
686 \addpenalty\@secpenalty
687 \advvspace{1.0em \@plus \p@}%
688 \setlength\@tempdima{1.5em}%
689 \begingroup
690 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
691 \parfillskip -\@pnumwidth
692 \leavevmode \bfseries
693 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
694 \hskip -\if@RTL\rightskip\else\leftskip\fi
695 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
696 \endgroup}
697 \else
698 \renewcommand*\l@section{\@regtocline{1}}
699 \fi
700 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
701 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
702 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
703 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
704 \renewenvironment{thebibliography}[1]
705 {\section*\refname}%
706 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
707 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
708 \bidi@@thebibliography@font@hook%
709 \list{\@biblabel{\@arabic\c@enumiv}}%
710 {\settowidth\labelwidth{\@biblabel{#1}}%
711 \leftmargin\labelwidth
712 \advance\leftmargin\labelsep
713 \@openbib@code
714 \usecounter{enumiv}%
715 \let\p@enumiv\@empty
716 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
717 \sloppy\clubpenalty4000\widowpenalty4000%
718 \sfcode`. \@m}
719 {\def\@noitemerr
720 {\@latex@warning{Empty `thebibliography' environment}}%
721 \endlist}
722 \renewcommand*\left@footnoterule{%
723 \kern-3\p@
724 \kern.5\baselineskip
725 \hrule\@width\unitindent
726 \kern.4\baselineskip
727 }
728 \renewcommand*\right@footnoterule{%

```



```

729 \kern-3\p@
730 \kern.5\baselineskip
731 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
732 \kern.4\baselineskip}
733 \if@titlepage
734 \renewcommand*{TitleFont}{\rmfamily}
735 \renewcommand*{maketitle}{%
736 \begin{titlepage}%
737 \let\footnotesize\small
738 \let\right@footnoterule\relax
739 \let\left@footnoterule\relax
740 \let\textwidth@footnoterule\relax
741 \let \footnote \thanks
742 \long\def\@makefnctext##1{\parindent\z@
743 \def\labelitemi{\textendash}\@crevlabeltrue
744 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
745 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
746 \if@compatibility\setcounter{page}{0}\fi
747 \null\vfil
748 \vskip 60\p@
749 \begin{center}%
750 \TitleFont
751 {\LARGE \def\{\{\penalty -\@M}
752 \if@allcaps
753 \expandafter\uc@nothanks\@title\thanks\relax
754 \else
755 \@title
756 \fi\par}%
757 \vskip 3em%
758 {\large
759 \lineskip .75em \parindent\z@
760 \begin{tabular}[t]{c}%
761 \if@allcaps
762 \expandafter\uc@authornothanks\@author\and\relax
763 \else
764 \@author
765 \fi
766 \end{tabular}\par}%
767 \vskip 1.5em%
768 {\large
769 \if@allcaps
770 \uppercase\expandafter{\@date}%
771 \else
772 \@date
773 \fi\par}%
774 \end{center}\par
775 \@thanks
776 \vfil\null
777 \end{titlepage}%
778 \setcounter{footnote}{0}%
779 \global\let\thanks\relax
780 \global\let\maketitle\relax
781 \global\let\@thanks\@empty
782 \global\let\@author\@empty

```



```

783 \global\let\@title\@empty
784 \global\let\@date\@empty
785 \global\let\title\relax
786 \global\let\author\relax
787 \global\let\date\relax
788 \global\let\and\relax
789 }
790 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
791 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
792 \futurelet\@tempa\uc@ax}
793 \def\uc@ax{%
794 \ifx\@tempa\relax
795 \else
796 \\\andname \\\expandafter\uc@authornothanks
797 \fi}
798 \def\uc@tx{\ifx\@tempa\relax
799 \else \expandafter\uc@ty \fi}
800 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
801 \else
802 \renewcommand*\maketitle{\par
803 \begingroup
804 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
805 \def\@makefnmark{\rlap{%
806 \@textsuperscript{\normalfont\@thefnmark}}}%
807 \long\def\@makefntext{\@xmakefntext{%
808 \@textsuperscript{\normalfont\@thefnmark}}}%
809 \if@twocolumn
810 \ifnum \col@number=\@ne
811 \maketitle
812 \else
813 \twocolumn[\maketitle]%
814 \fi
815 \else
816 \newpage
817 \global\@topnum\z@
818 \maketitle
819 \fi
820 \thispagestyle{plain}\@thanks
821 \endgroup
822 \setcounter{footnote}{0}%
823 \global\let\thanks\relax
824 \global\let\maketitle\relax
825 \global\let\@maketitle\relax
826 \global\let\@thanks\@empty
827 \global\let\@author\@empty
828 \global\let\@title\@empty
829 \global\let\@date\@empty
830 \global\let\title\relax
831 \global\let\author\relax
832 \global\let\date\relax
833 \global\let\and\relax
834 }
835 \def\@maketitle{%
836 \newpage

```



```

837 \null
838 \vskip 2em%
839 \begin{center}%
840   \let \footnote \thanks
841   {\LARGE \TitleFont \@title \par}%
842   \vskip 1.5em%
843   {\large \TitleFont
844     \lineskip .5em%
845     \begin{tabular}[t]{c}%
846       \@author
847     \end{tabular}\par}%
848   \vskip 1em%
849   {\large \TitleFont \@date}%
850 \end{center}%
851 \par
852 \vskip 1.5em}
853 \fi

```

11 File artikel2-xetex-bidi.def

```

854 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class f
855 \renewenvironment{theindex}{%
856   \if@twocolumn
857     \@restonecolfalse
858   \else
859     \@restonecoltrue
860   \fi
861   \columnseprule \z@
862   \columnsep 35\p@
863   \twocolumn[\section*{\indexname}]%
864   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
865   \thispagestyle{plain}\parindent\z@
866   \parskip\z@ \@plus .3\p@\relax
867   \let\item\@idxitem
868   }{%
869   \if@restonecol\onecolumn\else\clearpage\fi}
870 \renewcommand*\@regtocline[3]{%
871   \ifnum #1>\c@tocdepth
872   \else
873     \vskip\z@\@plus.2\p@
874     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
875       \if@RTL\righskip\else\leftskip\fi\unitindent
876       \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
877       \parfillskip\z@
878       \@tempdima\unitindent
879       \advance\@tempdima by \othermargin
880       \parindent\z@
881       \leavevmode
882       \hbox{} \hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
883       \hskip 1em \nobreak{\slshape #3}\par
884     }%
885   \fi}
886 \if@oldtoc
887 \renewcommand*\l@section[2]{%

```



```

888 \addpenalty\@secpenalty
889 \addvspace{1.0em \@plus\p@}%
890 \setlength\@tempdima{1.5em}%
891 \begingroup
892 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
893 \parfillskip -\@pnumwidth
894 \leavevmode \bfseries
895 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
896 \hskip -\if@RTL\rightskip\else\leftskip\fi
897 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
898 \endgroup}
899 \else
900 \renewcommand*\l@section{\@regtocline{1}}
901 \fi
902 \if@oldtoc
903 \renewcommand*\l@part[2]{%
904 \ifnum \c@tocdepth >-2\relax
905 \addpenalty\@secpenalty
906 \addvspace{2.25em \@plus\p@}%
907 \begingroup
908 \setlength\@tempdima{3em}%
909 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
910 \parfillskip -\@pnumwidth
911 {\leavevmode
912 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
913 \nobreak
914 \if@compatibility
915 \global\@nobreaktrue
916 \everypar{\global\@nobreakfalse\everypar{}}%
917 \fi
918 \endgroup
919 \fi}
920 \else
921 \renewcommand*\l@part{%
922 \ifnum \c@tocdepth >-2\relax
923 \addpenalty\@secpenalty
924 \addvspace{2.25em \@plus \p@}%
925 \@regtocline{0}%
926 \fi}
927 \fi
928 \renewcommand*\head@style{%
929 \interlinepenalty \@M
930 \hyphenpenalty=\@M \exhyphenpenalty=\@M
931 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
932 \if@titlepage
933 \renewenvironment{abstract}{%
934 \titlepage
935 \null\vfil
936 \section*{\SectFont\abstractname}%
937 \noindent\ignorespaces}
938 {\par\vfil\null\endtitlepage}
939 \else
940 \renewenvironment{abstract}{%
941 \if@twocolumn

```



```

942     \section*{\abstractname}%
943 \else
944     \section*{\hskip\unitindent\small\SectFont\abstractname}%
945     \list*{\setlength\listparindent{\unitindent}%
946           \setlength\parindent    {\z@}%
947           \setlength\leftmargin   {\unitindent}%
948           \setlength\rightmargin  {\unitindent}%
949           \setlength\parsep      {\z@}}%
950     \item[]%
951     \fi}
952 {\if@twocolumn\else\par\endlist\fi}
953 \fi
954 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
955 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
956 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
957 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
958 \renewcommand*\left@footnoterule{%
959   \kern-3\p@
960   \hrule\@width 3\unitindent
961   \kern 2.6\p@
962 }
963 \renewcommand*\right@footnoterule{%
964   \kern-3\p@
965   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
966   \kern 2.6\p@}
967 \renewenvironment{thebibliography}[1]
968   {\section*{\refname}%
969     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
970     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
971     \bidi@thebibliography@font@hook%
972     \list{\@biblabel{\@arabic\c@enumiv}}%
973         {\settowidth\labelwidth{\@biblabel{#1}}%
974          \leftmargin\labelwidth
975          \advance\leftmargin\labelsep
976          \@openbib@code
977          \usecounter{enumiv}}%
978         \let\p@enumiv\@empty
979         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
980     \sloppy\clubpenalty4000\widowpenalty4000%
981     \sfcode`. \@m}
982   {\def\@noitemerr
983     {\@latex@warning{Empty `thebibliography' environment}}%
984     \endlist}
985 \if@titlepage
986 \renewcommand*\TitleFont{\rmfamily}
987 \renewcommand*\maketitle{%
988   \begin{titlepage}%
989     \let\footnotesize\small
990     \let\right@footnoterule\relax
991     \let\left@footnoterule\relax
992     \let\textwidth@footnoterule\relax
993     \let \footnote \thanks
994     \long\def\@makefntext##1{\parindent\z@
995       \def\labelitemi{\textendash}\@revlabeltrue

```




```

996         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
997 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
998 \ifcompatibility\setcounter{page}{0}\fi
999 \null\vfil
1000 \vskip 60\p@
1001 \begin{center}%
1002   \TitleFont
1003   {\LARGE \def\{\penalty -\@M}
1004     \if@allcaps
1005       \expandafter\uc@nothanks\@title\thanks\relax
1006     \else
1007       \@title
1008     \fi\par}%
1009   \vskip 3em%
1010   {\large
1011     \lineskip .75em \parindent\z@
1012     \begin{tabular}[t]{c}%
1013       \if@allcaps
1014         \expandafter\uc@authornothanks\@author\and\relax
1015       \else
1016         \@author
1017       \fi
1018     \end{tabular}\par}%
1019   \vskip 1.5em%
1020   {\large
1021     \if@allcaps
1022       \uppercase\expandafter{\@date}%
1023     \else
1024       \@date
1025     \fi\par}%
1026   \end{center}\par
1027   \@thanks
1028   \vfil\null
1029 \end{titlepage}%
1030 \setcounter{footnote}{0}%
1031 \global\let\thanks\relax
1032 \global\let\maketitle\relax
1033 \global\let\@thanks\@empty
1034 \global\let\@author\@empty
1035 \global\let\@title\@empty
1036 \global\let\@date\@empty
1037 \global\let\title\relax
1038 \global\let\author\relax
1039 \global\let\date\relax
1040 \global\let\and\relax
1041 }
1042 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1043 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1044   \futurelet\@tempa\uc@ax}
1045 \def\uc@ax{%
1046   \ifx\@tempa\relax
1047   \else
1048     \ \andname \ \ \expandafter\uc@authornothanks
1049   \fi}

```



```

1050 \def\uc@tx{\ifx\@tempa\relax
1051     \else \expandafter\uc@ty \fi}
1052 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1053 \else
1054 \renewcommand*\maketitle{\par
1055 \begingroup
1056     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1057     \long\def\@makefntext##1{\parindent\z@
1058         \def\labelitemi{\textendash}%
1059         \leavevmode\hb@xt@.5\unitindent{%
1060             \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1061     \if@twocolumn
1062         \ifnum \col@number=\@ne
1063             \@maketitle
1064         \else
1065             \twocolumn[\@maketitle]%
1066         \fi
1067     \else
1068         \newpage
1069         \global\@topnum\z@
1070         \@maketitle
1071     \fi
1072     \thispagestyle{plain}\@thanks
1073 \endgroup
1074 \setcounter{footnote}{0}%
1075 \global\let\thanks\relax
1076 \global\let\maketitle\relax
1077 \global\let\@maketitle\relax
1078 \global\let\@thanks\@empty
1079 \global\let\@author\@empty
1080 \global\let\@title\@empty
1081 \global\let\@date\@empty
1082 \global\let\title\relax
1083 \global\let\author\relax
1084 \global\let\date\relax
1085 \global\let\and\relax
1086 }
1087 \def\@maketitle{%
1088     \newpage
1089     \null
1090     \vskip 2em%
1091     \begin{center}%
1092         \let \footnote \thanks
1093         {\LARGE \TitleFont \@title \par}%
1094         \vskip 1.5em%
1095         {\large \TitleFont
1096             \lineskip .5em%
1097             \begin{tabular}[t]{c}%
1098                 \@author
1099             \end{tabular}\par}%
1100         \vskip 1em%
1101         {\large \TitleFont \@date}%
1102     \end{center}%
1103 \par

```



```

1104 \vskip 1.5em}
1105 \fi

```

12 File artikel3-xetex-bidi.def

```

1106 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class f
1107 \renewenvironment{theindex}{%
1108 \if@twocolumn
1109 \@restonecolfalse
1110 \else
1111 \@restonecoltrue
1112 \fi
1113 \columnseprule \z@
1114 \columnsep 35\p@
1115 \twocolumn[\section*{\indexname}]%
1116 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1117 \thispagestyle{plain}\parindent\z@
1118 \parskip\z@ \@plus .3\p@\relax
1119 \let\item\@idxitem
1120 }{%
1121 \if@restonecol\onecolumn\else\clearpage\fi}
1122 \renewcommand*{\head@style}{%
1123 \interlinepenalty \@M
1124 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1125 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1126 \renewcommand*{\regtocline}[3]{%
1127 \ifnum #1>\c@tocdepth
1128 \else
1129 \vskip\z@\@plus.2\p@
1130 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1131 \if@RTL\rightskip\else\leftskip\fi\unitindent
1132 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1133 \parfillskip\z@
1134 \@tempdima\unitindent
1135 \parindent\z@
1136 \leavevmode
1137 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1138 \hskip 1em \nobreak{\slshape #3}\par
1139 }%
1140 \fi}
1141 \if@oldtoc
1142 \renewcommand*\l@part[2]{%
1143 \ifnum \c@tocdepth >-2\relax
1144 \addpenalty\@secpenalty
1145 \addvspace{2.25em \@plus\p@}%
1146 \begingroup
1147 \setlength\@tempdima{3em}%
1148 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1149 \parfillskip -\@pnumwidth
1150 {\leavevmode
1151 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1152 \nobreak
1153 \if@compatibility
1154 \global\@nobreaktrue

```



```

1155     \everypar{\global\@nobeakfalse\everypar{}}%
1156     \fi
1157     \endgroup
1158 \fi}
1159 \else
1160   \renewcommand*\l@part{%
1161     \ifnum \c@tocdepth >-2\relax
1162       \addpenalty\@secpenalty
1163       \addvspace{2.25em \@plus \p@}%
1164       \@regtocline{0}%
1165     \fi}
1166 \fi
1167
1168 \if@oldtoc
1169 \renewcommand*\l@section[2]{%
1170   \addpenalty\@secpenalty
1171   \addvspace{1.0em \@plus \p@}%
1172   \setlength\@tempdima{1.5em}%
1173   \begingroup
1174   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1175   \parfillskip -\@pnumwidth
1176   \leavevmode \bfseries
1177   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
1178   \hskip -\if@RTL\rightskip\else\leftskip\fi
1179   #1\nobreak\hbfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1180   \endgroup}
1181 \else
1182   \renewcommand*\l@section{\@regtocline{1}}
1183 \fi
1184 \if@titlepage
1185   \renewenvironment{abstract}{%
1186     \titlepage
1187     \null\vfil
1188     \section*{\SectFont\abstractname}%
1189     \noindent\ignorespaces}
1190   {\par\vfil\null\endtitlepage}
1191 \else
1192   \renewenvironment{abstract}{%
1193     \if@twocolumn
1194       \section*{\abstractname}%
1195     \else
1196       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1197       \section*{\small\SectFont\abstractname}%
1198       \noindent\ignorespaces
1199     \fi}
1200   {\if@twocolumn\else\par\egroup\fi}
1201 \fi
1202 \renewcommand*\left@footnoterule{%
1203   \kern-3\p@
1204   \kern.5\baselineskip
1205   \hrule\@width\unitindent
1206   \kern.4\baselineskip
1207 }
1208 \renewcommand*\right@footnoterule{%

```



```

1209 \kern-3\p@
1210 \kern.5\baselineskip
1211 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1212 \kern.4\baselineskip}
1213 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1214 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1215 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1216 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1217 \renewenvironment{thebibliography}[1]
1218     {\section*\refname}%
1219     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1220     \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
1221     \bidi@thebibliography@font@hook%
1222     \list{\@biblabel{\@arabic\c@enumiv}}%
1223         {\setto\width\labelwidth{\@biblabel{#1}}%
1224         \leftmargin\labelwidth
1225         \advance\leftmargin\labelsep
1226         \@openbib@code
1227         \usecounter{enumiv}%
1228         \let\p@enumiv\@empty
1229         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1230     \sloppy\clubpenalty4000\widowpenalty4000%
1231     \sfcode\.\@m}
1232     {\def\@noitemerr
1233     {\@latex@warning{Empty `thebibliography' environment}}}%
1234     \endlist}
1235 \if@titlepage
1236 \renewcommand*\TitleFont{\rmfamily}
1237 \renewcommand*\maketitle{%
1238 \begin{titlepage}%
1239     \let\footnotesize\small
1240     \let\right@footnoterule\relax
1241     \let\left@footnoterule\relax
1242     \let\textwidth@footnoterule\relax
1243     \let \footnote \thanks
1244     \long\def\@makefn\text##1{\parindent\z@
1245     \def\labelitemi{\textendash}\@revlabeltrue
1246     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1247     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1248     \if@compatibility\setcounter{page}{0}\fi
1249     \null\vfil
1250     \vskip 60\p@
1251     \begin{center}%
1252         \TitleFont
1253         {\LARGE \def\{\penalty -\@M}
1254         \if@allcaps
1255         \expandafter\uc@nothanks\@title\thanks\relax
1256         \else
1257         \@title
1258         \fi\par}%
1259     \vskip 3em%
1260     {\large
1261     \lineskip .75em \parindent\z@
1262     \begin{tabular}[t]{c}%

```



```

1263         \if@allcaps
1264         \expandafter\uc@authornothanks \@author\and\relax
1265         \else
1266         \@author
1267         \fi
1268     \end{tabular}\par}%
1269 \vskip 1.5em%
1270 {\large
1271     \if@allcaps
1272     \uppercase\expandafter{\@date}%
1273     \else
1274     \@date
1275     \fi\par}%
1276 \end{center}\par
1277 \@thanks
1278 \vfil\null
1279 \end{titlepage}%
1280 \setcounter{footnote}{0}%
1281 \global\let\thanks\relax
1282 \global\let\maketitle\relax
1283 \global\let\@thanks\@empty
1284 \global\let\@author\@empty
1285 \global\let\@title\@empty
1286 \global\let\@date\@empty
1287 \global\let\title\relax
1288 \global\let\author\relax
1289 \global\let\date\relax
1290 \global\let\and\relax
1291 }
1292 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1293 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1294     \futurelet\@tempa\uc@ax}
1295 \def\uc@ax{%
1296     \ifx\@tempa\relax
1297     \else
1298     \ \andname \ \ \expandafter\uc@authornothanks
1299     \fi}
1300 \def\uc@tx{\ifx\@tempa\relax
1301     \else \expandafter\uc@ty \fi}
1302 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1303 \else
1304 \renewcommand*\maketitle{\par
1305     \begingroup
1306     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1307     \def\@makefnmark{\rlap{%
1308         \@textsuperscript{\normalfont\@thefnmark}}}%
1309     \long\def\@makefnmark{\@xmakefnmark}%
1310     \@textsuperscript{\normalfont\@thefnmark}}}%
1311     \iftwocolumn
1312     \ifnum \col@number=\@ne
1313     \@maketitle
1314     \else
1315     \twocolumn[\@maketitle]%
1316     \fi

```



```

1317   \else
1318     \newpage
1319     \global\@topnum\z@
1320     \@maketitle
1321   \fi
1322   \thispagestyle{plain}\@thanks
1323 \endgroup
1324 \setcounter{footnote}{0}%
1325 \global\let\thanks\relax
1326 \global\let\maketitle\relax
1327 \global\let\@maketitle\relax
1328 \global\let\@thanks\@empty
1329 \global\let\@author\@empty
1330 \global\let\@title\@empty
1331 \global\let\@date\@empty
1332 \global\let\title\relax
1333 \global\let\author\relax
1334 \global\let\date\relax
1335 \global\let\and\relax
1336 }
1337 \def\@maketitle{%
1338   \newpage
1339   \null
1340   \vskip 2em%
1341   \if@titlecentered
1342     \begin{center}%
1343       \let \footnote \thanks
1344       {\LARGE \TitleFont \@title \par}%
1345       \vskip 1.5em%
1346       {\large \TitleFont
1347         \lineskip .5em%
1348         \begin{tabular}[t]{c}%
1349           \@author
1350         \end{tabular}\par}%
1351       \vskip 1em%
1352       {\large \TitleFont \@date}%
1353     \end{center}%
1354   \else
1355     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1356     {\large \TitleFont \lineskip .5em \tabcolsep\z@
1357       \def\and{%% \begin{tabular} has already started
1358         \end{tabular}\hskip 1em plus .17fil
1359         \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabular}
1360         \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}
1361       \vskip 1em {\large \TitleFont \@date}
1362   \fi
1363   \par
1364   \vskip 1.5em}
1365 \fi

```

13 File arydshln-xetex-bidi.def

```

1366 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1367 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTL\begin{array}\endR\egroup\fi\egroup

```



```

1368 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1369 \expandafter\let\csname endtabular*\endcsname\endtabular
1370 \let\adl@array\@array
1371 \def\@array{\adl@everyvbox\everyvbox
1372     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1373     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1374     \let\adl@noalign\noalign
1375     \adl@array}
1376 \ifadl@usingarypkg
1377 \def\@testpach{\@chclass
1378 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1379 \ifnum \@lastchclass=7 5 \else
1380 \ifnum \@lastchclass=8 \tw@ \else
1381 \ifnum \@lastchclass=9 \thr@@
1382 \else \z@
1383 \ifnum \@lastchclass = 10 \else
1384 \edef\@nextchar{\expandafter\string\@nextchar}%
1385 \@chnum
1386 \if \@nextchar c\z@ \else
1387 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1388 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1389 \z@ \@chclass
1390 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1391 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1392 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1393 \if \@nextchar !6 \else
1394 \if \@nextchar @7 \else
1395 \if \@nextchar <8 \else
1396 \if \@nextchar >9 \else
1397 10
1398 \@chnum
1399 \if \@nextchar m\thr@@\else
1400 \if \@nextchar p4 \else
1401 \if \@nextchar b5 \else
1402 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1403 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1404
1405 \def\@classz{\@classx
1406     \@tempcnta \count@
1407     \prepnext@tok
1408     \@addtopreamble{\ifcase \@chnum
1409         \hfil
1410         \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1411         \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1412         \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1413         \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1414         \adl@endmbox\or
1415         \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1416         \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1417     \fi}\prepnext@tok}
1418 \def\adl@class@start{4}
1419 \def\adl@class@iiiorvii{7}
1420
1421 \else

```




```

1422 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1423     \ifnum \@lastchclass=\thr@@ 5\relax \else
1424         \z@ \if #1c\@chnum \z@ \else
1425             \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1426             \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1427         \@chclass
1428             \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1429             \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1430             \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1431             \if #1\@tw@ \else
1432             \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1433     \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1434
1435 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1436     \or \or \@addamp \or
1437     \@acolampacol \or \@firstampfalse \@acol \fi
1438     \edef\@preamble{\@preamble
1439         \ifcase \@chnum
1440             \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1441             \or \adl@putlrc{\$relax\@sharp$}\hfil
1442             \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1443 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1444     \or \or \@addamp \or
1445     \@acolampacol \or \@firstampfalse \@acol \fi
1446     \edef\@preamble{\@preamble
1447         \ifcase \@chnum
1448             \hfil\adl@putlrc{\@sharp\unskip}\hfil
1449             \or \adl@putlrc{\@sharp\unskip}\hfil
1450             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1451 \def\adl@class@start{6}
1452 \def\adl@class@iiiorvii{3}
1453 \fi
1454 \ifpackageloaded{colortbl}{%
1455 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1456 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1457     \let\@endpbox\adl@org@endpbox}
1458 \let\adl@CT@setup\CT@setup
1459 \def\CT@setup{\adl@CT@setup
1460     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1461     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1462     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1463 \let\adl@act@CT@setup\CT@setup
1464 \def\@classz{\@classx
1465     \@tempcnta\count@ \prepnext@tok
1466     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1467     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1468     \expandafter\adl@extract@drsc
1469         \the\toks\@tempcnta\doubleulesepcolor!\@nil
1470     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1471     \@addtopreamble{\if@RTL\beginL\fi%
1472         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1473         \ifcase \@chnum
1474             \hskip\stretch{.5}\kern\z@
1475             \dollarbegin

```



```

1476         \insert@column
1477         \d@llarend\hskip\stretch{.5}%
1478     \or \d@llarbegin \insert@column \d@llarend \hfill
1479     \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1480     \or $\vcenter
1481         \@startpbox{\@nextchar}\insert@column \@endpbox $%
1482     \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1483     \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1484     \fi
1485     \if@RTL\endR\fi\egroup\egroup
1486     \begin@group
1487         \CT@setup
1488         \CT@column@color
1489         \CT@row@color
1490         \CT@cell@color
1491         \CT@do@color
1492     \end@group
1493     \@tempdima\ht\z@
1494     \advance\@tempdima\minrowclearance
1495     \vrule\@height\@tempdima\@width\z@
1496     \unhbox\z@\if@RTL\endL\fi}%
1497     \prepnext@tok}
1498 \let\adl@act@classz\@classz
1499 \let\adl@org@classz\@classz
1500 }{}

```

14 File beamer-xetex-bidi.def

```

1501 \ProvidesFile{beamer-xetex-bidi.def}[2022/06/07 v0.3 bidi adaptations for beamer class for Xe
1502 \AtBeginDocument{%
1503     \if@RTLmain
1504         \raggedleft
1505     \else
1506         \raggedright
1507     \fi
1508 }
1509
1510 \renewcommand*{\bidi@beamer@ragged}{%
1511     \if@RTL
1512         \raggedleft
1513     \else
1514         \raggedright
1515     \fi
1516 }
1517
1518

```

15 File beamerbaseauxtemplates-xetex-bidi.def

```

1519 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2023/08/02 v0.3 bidi adaptations for be
1520 \bidi@csundef{beamer@tmpop@subsection in toc@sections numbered}
1521
1522 \bidi@csundef{beamer@tmpop@subsubsection in toc@sections numbered}
1523

```



```

1524 \bidi@csundef{beamer@tmpop@section in toc@subsections numbered}
1525
1526 \bidi@csundef{beamer@tmpop@subsection in toc@subsections numbered}
1527
1528 \bidi@csundef{beamer@tmpop@subsubsection in toc@subsections numbered}
1529
1530 \defbeamertemplate{subsection in toc}{sections numbered}
1531 {\leavevmode\bidi@beamer@leftskip=2.5em\inserttocsubsection\par}
1532
1533 \defbeamertemplate{subsubsection in toc}{sections numbered}
1534 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3.5em\usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
1535
1536 \defbeamertemplate{section in toc}{subsections numbered}
1537 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsection\par}
1538
1539 \defbeamertemplate{subsection in toc}{subsections numbered}
1540 {\leavevmode\bidi@beamer@leftskip=2em\rlap{\hskip-2em\inserttocsectionnumber.\inserttocsubsubsection in toc}\inserttocsubsubsection\par}
1541
1542 \defbeamertemplate{subsubsection in toc}{subsections numbered}
1543 {\leavevmode\normalsize\usebeamerfont{subsubsection in toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
1544
1545 \bidi@csundef{beamer@tmpop@section in toc@circle}
1546
1547 \bidi@csundef{beamer@tmpop@subsection in toc@circle}
1548
1549 \bidi@csundef{beamer@tmpop@subsubsection in toc@circle}
1550
1551 \defbeamertemplate{section in toc}{circle}
1552 {\leavevmode\bidi@beamer@leftskip=2ex%
1553 \llap{%
1554 \usebeamerfont*{section number projected}%
1555 \usebeamerfont*{section number projected}%
1556 \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1557 \color{bg}
1558 \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1559 \pgfusepath{fill}
1560 \pgftext[base]{\color{fg}\inserttocsectionnumber}
1561 \end{pgfpicture}\kern1.25ex%
1562 }%
1563 \inserttocsection\par}
1564
1565 \defbeamertemplate{subsection in toc}{circle}
1566 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsection\par}
1567
1568 \defbeamertemplate{subsubsection in toc}{circle}
1569 {\leavevmode\normalsize\usebeamerfont{subsubsection in toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
1570
1571 \bidi@csundef{beamer@tmpop@section in toc@square}
1572
1573

```



```

1578 \bidi@csundef{beamer@@tmpop@subsection in toc@square}
1579
1580 \bidi@csundef{beamer@@tmpop@subsubsection in toc@square}
1581
1582 \bidi@csundef{beamer@@tmpop@enumerate item@square}
1583
1584 \bidi@csundef{beamer@@tmpop@enumerate subitem@square}
1585
1586 \bidi@csundef{beamer@@tmpop@enumerate subsubitem@square}
1587
1588 \bidi@csundef{beamer@@tmpop@enumerate mini template@square}
1589
1590 \defbeamerteremplate{section in toc}{square}
1591 {\leavevmode\bidi@beamer@leftskip=3ex%
1592 \llap{%
1593 \usebeamerfont*{section number projected}%
1594 \usebeamercolor[bg]{section number projected}%
1595 \if@RTL
1596 \else
1597 \vrule width2.25ex height1.85ex depth.4ex%
1598 \hskip-2.25ex%
1599 \fi
1600 \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}%
1601 \if@RTL
1602 \hskip-2.25ex%
1603 \vrule width2.25ex height1.85ex depth.4ex%
1604 \fi
1605 }\kern1.25ex}%
1606 \inserttocsection\par}
1607
1608 \defbeamerteremplate{subsection in toc}{square}
1609 {\leavevmode\bidi@beamer@leftskip=5ex\llap{%
1610 \usebeamercolor[bg]{subsection number projected}%
1611 \vrule width1ex height1ex\kern1ex}}\inserttocsubsection\par}
1612
1613 \defbeamerteremplate{subsubsection in toc}{square}
1614 {\leavevmode\normalsize\usebeamerfont{subsection in
1615 toc}\bidi@beamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1616 \llap{%
1617 \usebeamercolor[bg]{subsubsection number projected}%
1618 \vrule width0.75ex height0.75ex\kern1ex}}\inserttocsubsubsection\par}
1619
1620 \defbeamerteremplate{enumerate item}{square}
1621 {
1622 \hbox{%
1623 \usebeamerfont*{item projected}%
1624 \usebeamercolor[bg]{item projected}%
1625 \if@RTL
1626 \else
1627 \vrule width2.25ex height1.85ex depth.4ex%
1628 \hskip-2.25ex%
1629 \fi
1630 \hbox to2.25ex{%
1631 \hfil%

```



```

1632     \color{fg}\insertenumlabel%
1633     \hfil}}%
1634     \if@RTL
1635         \hskip-2.25ex%
1636         \vrule width2.25ex height1.85ex depth.4ex%
1637     \fi
1638 }}%
1639 }
1640 [action]
1641 {\setbeamerfont{item projected}{size=\scriptsize}}
1642
1643 \defbeamertemplate{enumerate subitem}{square}
1644 {
1645     \hbox{%
1646         \usebeamerfont*{subitem projected}%
1647         \usebeamercolor[bg]{subitem projected}%
1648         \if@RTL
1649         \else
1650             \vrule width2.25ex height1.85ex depth.4ex%
1651             \hskip-2.25ex%
1652         \fi
1653         \hbox to2.25ex{%
1654             \hfil%
1655             \color{fg}\insertsubenumlabel%
1656             \hfil}}%
1657         \if@RTL
1658             \hskip-2.25ex%
1659             \vrule width2.25ex height1.85ex depth.4ex%
1660         \fi
1661     }}%
1662 }
1663
1664 \defbeamertemplate{enumerate subsubitem}{square}
1665 {
1666     \hbox{%
1667         \usebeamerfont*{subitem projected}%
1668         \usebeamercolor[bg]{subsubitem 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}\insertsubsubenumlabel%
1677             \hfil}}%
1678         \if@RTL
1679             \hskip-2.25ex%
1680             \vrule width2.25ex height1.85ex depth.4ex%
1681         \fi
1682     }}%
1683 }
1684
1685 \defbeamertemplate{enumerate mini template}{square}

```



```

1686 {
1687   \hbox{%
1688     \usebeamerfont*{\beameritemnestingprefix item projected}%
1689     \usebeamercolor[bg]{\beameritemnestingprefix item projected}%
1690     \if@RTL
1691     \else
1692       \vrule width2.25ex height1.85ex depth.4ex%
1693       \hskip-2.25ex%
1694     \fi
1695     \hbox to2.25ex{%
1696       \hfil%
1697       \color{fg}\insertenumlabel%
1698       \hfil}}%
1699     \if@RTL
1700       \hskip-2.25ex%
1701       \vrule width2.25ex height1.85ex depth.4ex%
1702     \fi
1703   }}%
1704 }
1705
1706 \bidi@csundef{beamer@@tmpop@section in toc@ball unnumbered}
1707
1708 \bidi@csundef{beamer@@tmpop@subsection in toc@ball unnumbered}
1709
1710 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball unnumbered}
1711
1712 \defbeamertemplate{section in toc}{ball unnumbered}
1713 {\leavevmode\bidi@beamer@leftskip=2.25ex%
1714   \llap{%
1715     \raise0.1ex\beamer@usesphere{section number projected}{bigosphere}\kern1.25ex}%
1716   \inserttocsection\par}
1717
1718 \defbeamertemplate{subsection in toc}{ball unnumbered}
1719 {\leavevmode\bidi@beamer@leftskip=5.1ex\llap{%
1720   \raise0.2ex\beamer@usesphere{subsection number projected}{smallsphere}\kern1ex}\inserttocsection\par}
1721
1722 \defbeamertemplate{subsubsection in toc}{ball unnumbered}
1723 {\leavevmode\normalsize\usebeamerfont{subsection in
1724   toc}\bidi@beamer@leftskip=8.2ex\usebeamerfont{subsubsection in toc}%
1725   \llap{%
1726     \beamer@usesphere{subsubsection number projected}{smallsphere}\kern0.75ex}\inserttocsection\par}
1727
1728 \bidi@csundef{beamer@@tmpop@section in toc@ball}
1729
1730 \bidi@csundef{beamer@@tmpop@subsection in toc@ball}
1731
1732 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball}
1733
1734 \defbeamertemplate{section in toc}{ball}
1735 {\leavevmode\bidi@beamer@leftskip=2.75ex%
1736   \llap{%
1737     \normalsize%
1738     \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1739       \pgftext{\beamer@usesphere{section number projected}{tocsphere}}

```



```

1740     \pgftext{%
1741         \usebeamerfont*{section number projected}%
1742         \usebeamerfont*{section number projected}%
1743         \color{fg!90!bg}%
1744         \inserttocsectionnumber}
1745     \end{pgfpicture}%
1746     \kern1.25ex}%
1747 \inserttocsection\par
1748 }
1749 [action]
1750 {\setbeamerfont{section number projected}{size=\scriptsize}}
1751
1752 \defbeamerfont{subsection in toc}{ball}
1753 {\leavevmode\bidibeamer@leftskip=5ex%
1754   \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigsphere}\kern1ex}%
1755   \inserttocsubsection\par%
1756 }
1757
1758 \defbeamerfont{subsubsection in toc}{ball}
1759 {\leavevmode\normalsize\usebeamerfont{subsection in
1760   toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1761   \llap{\beamer@usesphere{subsubsection number projected}{bigsphere}\kern0.75ex}%
1762   \inserttocsubsubsection\par%
1763 }
1764
1765 \bidicsundef{beamer@@tmpop@block begin@rounded}
1766
1767 \bidicsundef{beamer@@tmpop@block alerted begin@rounded}
1768
1769 \bidicsundef{beamer@@tmpop@block example begin@rounded}
1770
1771 \defbeamerfont{block begin}{rounded}[1][shadow=false]
1772 {%
1773   \par\vskip\medskipamount%
1774   \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1775     {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1776     \bidibeamer@ragged%
1777     \usebeamerfont{block body}%
1778 }%
1779
1780 \defbeamerfont{block alerted begin}{rounded}[1][shadow=false]
1781 {%
1782   \par\vskip\medskipamount%
1783   \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1784     {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1785     \bidibeamer@ragged%
1786     \usebeamerfont{block body alerted}%
1787 }%
1788
1789 \defbeamerfont{block example begin}{rounded}[1][shadow=false]
1790 {%
1791   \par\vskip\medskipamount%
1792   \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]
1793     {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%

```



```

1794     \bidi@beamer@ragged%
1795     \usebeamerfont{block body example}%
1796 }%
1797
1798 \bidi@csundef{beamer@tmpop@caption@caption name own line}
1799
1800 \defbeamertemplate{caption}{caption name own line}
1801 {%
1802   \begin{minipage}{\textwidth}
1803     \leavevmode
1804     \bidi@beamer@ragged
1805   {%
1806     \usebeamercolor[fg]{caption name}%
1807     \usebeamerfont*{caption name}%
1808     \insertcaptionname%
1809   }\\
1810     \insertcaption
1811   \end{minipage}
1812 }
1813

```

16 File beamerbaseboxes-xetex-bidi.def

```

1814 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerbas
1815 \renewcommand\beamerboxesrounded[2] [] {%
1816   \global\let\beamer@firstlineitemizeunskip=\relax%
1817   \vbox\bgroup%
1818   \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1819   \setkeys{beamerboxes}{#1}%
1820   {%
1821     \usebeamercolor{\bmb@lower}%
1822     \globalcolorstrue%
1823     \colorlet{lower.bg}{bg}%
1824   }%
1825   {%
1826     \usebeamercolor{\bmb@upper}%
1827     \globalcolorstrue%
1828     \colorlet{upper.bg}{bg}%
1829   }%
1830   %
1831   % Typeset head
1832   %
1833   \vskip4bp
1834   \setbox\bmb@box=\hbox{%
1835     \begin{minipage}[b]{\bmb@width}%
1836       \usebeamercolor[fg]{\bmb@upper}%
1837       #2%
1838     \end{minipage}}%
1839   \ifdim\wd\bmb@box=0pt%
1840     \setbox\bmb@box=\hbox{%
1841       \ht\bmb@box=1.5pt%
1842       \bmb@prevheight=-4.5pt%
1843     \else%
1844       \wd\bmb@box=\bmb@width%

```




```

1845 \bmb@temp=\dp\bmb@box%
1846 \ifdim\bmb@temp<1.5pt%
1847 \bmb@temp=1.5pt%
1848 \fi%
1849 \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1850 \dp\bmb@box=0pt%
1851 \bmb@prevheight=\ht\bmb@box%
1852 \fi%
1853 \bmb@temp=\bmb@width%
1854 \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1855 \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1856 \hbox{%
1857 \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1858 \ifdim\wd\bmb@box=0pt%
1859 \color{lower.bg}%
1860 \else%
1861 \color{upper.bg}%
1862 \fi%
1863 \pgfpathmoveto{-4bp}{-1bp}
1864 \pgfpathcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1865 \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1866 \pgfpathcurveto%
1867 {\pgfpoint{\bmb@dima}{3bp}}%
1868 {\pgfpoint{\bmb@dimb}{1.2bp}}%
1869 {\pgfpoint{\bmb@dimb}{-1bp}}%
1870 \bmb@dima=-\ht\bmb@box%
1871 \advance\bmb@dima by-2pt%
1872 \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1873 \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1874 \pgfusepath{fill}
1875 \end{pgfpicture}%
1876 \copy\bmb@box%
1877 }%
1878 \nointerlineskip%
1879 \vskip-1pt%
1880 \ifdim\wd\bmb@box=0pt%
1881 \else%
1882 \hbox{%
1883 \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1884 \bmb@dima=\bmb@width%
1885 \advance\bmb@dima by8bp%
1886 \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1887 \pgfusepath{clip}
1888 {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuses shading{\bmb@transi}
1889 \end{pgfpicture}%
1890 }%
1891 \nointerlineskip%
1892 \vskip-0.5pt%
1893 \fi%
1894 \setbox\bmb@colorbox=\hbox{\pgfpicturetrue\pgfsetcolor{lower.bg}}%
1895 \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1896 \vskip2pt%
1897 \usebeamer color [fg]{\bmb@lower}%
1898 \colorlet{beamerstructure}{upper.bg}%

```



```

1899   \colorlet{structure}{upper.bg}%
1900   %\color{.}%
1901   \@bidi@list@minipage@parboxfalse
1902 }
1903
1904 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1905   \begingroup
1906   \@RTLfalse
1907 }{}{}
1908
1909

```

17 File beamerbasecolor-xetex-bidi.def

```

1910 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for beamerbas
1911 \renewenvironment{beamercolobox}[2] []{%
1912   \def\beamer@vmode{\leavevmode}%
1913   \setkeys{beamercolobox}{wd=\textwidth,ht={},dp={},%
1914     leftskip=0pt,rightskip=0pt plus1fil,%
1915     sep=0pt,colsep=0pt,colsep*=0pt,%
1916     shadow=false,rounded=false,ignorebg=false}%
1917   \if@RTL
1918     \setkeys{beamercolobox}{rightskip=0pt,leftskip=0pt plus1fil}%
1919   \else
1920     \setkeys{beamercolobox}{leftskip=0pt,rightskip=0pt plus1fil}%
1921   \fi
1922   \setkeys{beamercolobox}{#1}%
1923   \ifbeamercoloreempty[bg]{#2}{\@tempswafalse}{\@tempswatruel}%
1924   \ifbeamer@colobox@ignorebg\@tempswafalse\fi%
1925   \def\beamer@colobox@color{#2}%
1926   \setbox\beamer@tempbox=\hbox\bgroup\color@beamingroup
1927     \ifbeamer@colobox@ignorebg%
1928       \colorlet{beamer@temp@color}{bg}%
1929       \usebeamercolor[fg]{#2}%
1930       \colorlet{bg}{beamer@temp@color}%
1931     \else%
1932       \usebeamercolor[fg]{#2}%
1933     \fi%
1934   \beginL
1935   \vbox\bgroup%
1936   \hsize=\beamer@colobox@wd%
1937   \@arrayparboxrestore%
1938   \leftskip=\beamer@colobox@ls%
1939   \ifdim\beamer@colobox@sep>\z@\advance\leftskip\beamer@colobox@sep\fi%
1940   \rightskip=\beamer@colobox@rs%
1941   \ifdim\beamer@colobox@sep>\z@\advance\rightskip\beamer@colobox@sep\fi%
1942   \if@tempswa\ifdim\beamer@colobox@colsep>\z@%
1943     \advance\leftskip by\beamer@colobox@colsep%
1944     \advance\rightskip by\beamer@colobox@colsep%
1945     \vskip\beamer@colobox@colsep%
1946   \fi%
1947   \ifdim\beamer@colobox@colseps>\z@\vskip\beamer@colobox@colseps\fi%
1948   \fi%
1949   \ifdim\beamer@colobox@sep>\z@\vskip\beamer@colobox@sep\fi%

```



```

1950 \beamer@vmode\ignorespaces}{%
1951 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1952 \if@tempswa
1953 \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
1954 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1955 \fi%
1956 \egroup\endL\color@endgroup\egroup%
1957 \wd\beamer@tempbox=\beamer@colbox@wd%
1958 \ifx\beamer@colbox@ht\@empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
1959 \ifx\beamer@colbox@dp\@empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
1960 \ifbeamer@colbox@rounded%
1961 \if@tempswa%
1962 \begin{beamerboxesrounded}[%
1963 shadow=\beamer@colbox@shadow,%
1964 lower=\beamer@colbox@color,%
1965 upper=normal text,%
1966 width=\beamer@colbox@wd]{%
1967 \box\beamer@tempbox%
1968 \end{beamerboxesrounded}%
1969 \else%
1970 \ifdim\wd\beamer@tempbox>\textwidth%
1971 \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
1972 \fi%
1973 \box\beamer@tempbox%
1974 \fi%
1975 \else%
1976 \if@tempswa\setbox\beamer@tempbox=\hbox{%
1977 \usebeamercolor{\beamer@colbox@color}%
1978 \hskip-\beamer@colbox@colseps%
1979 \fboxsep=\z@\colorbox{bg}{%
1980 \hskip\beamer@colbox@colseps%
1981 \box\beamer@tempbox%
1982 \hskip\beamer@colbox@colseps%
1983 }%
1984 \hskip-\beamer@colbox@colseps%
1985 }\fi%
1986 \ifdim\wd\beamer@tempbox>\textwidth%
1987 \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box%
1988 \fi%
1989 \box\beamer@tempbox%
1990 \fi%
1991 }
1992
1993

```

18 File beamerbasecompatibility-xetex-bidi.def

```

1994 \ProvidesFile{beamerbasecompatibility-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for b
1995 \def\insertvrule#1#2{\hbox{{\color{#2}\hskip-\Gm@lmargin\vrule width \paperwidth height #1\h
1996
1997

```

19 File beamerbaseframecomponents-xetex-bidi.def



```

1998 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2023/08/02 v0.6 bidi adaptations for
1999 \renewcommand{\setbeamsize}[1]{%
2000 \beamer@dogeometryfalse%
2001 \setkeys{beamer@margin}{#1}%
2002 \ifbeamer@dogeometry%
2003 % Reset left margin now
2004 \beamer@tempdim=\beamer@leftmargin%
2005 \advance\beamer@tempdim by\beamer@leftsidebar%
2006 \if@RTLmain
2007 \geometry{right=\the\beamer@tempdim}%
2008 \else
2009 \geometry{left=\the\beamer@tempdim}%
2010 \fi
2011 % Reset right margin now
2012 \beamer@tempdim=\beamer@rightmargin%
2013 \advance\beamer@tempdim by\beamer@rightsidebar%
2014 \if@RTLmain
2015 \geometry{left=\the\beamer@tempdim}%
2016 \else
2017 \geometry{right=\the\beamer@tempdim}%
2018 \fi
2019 \fi%
2020 }
2021
2022 \newcommand*{\bidi@beamer@Gm@lmargin}{%
2023 \if@RTLmain
2024 \Gm@rmargin
2025 \else
2026 \Gm@lmargin
2027 \fi
2028 }
2029
2030 \newcommand*{\bidi@beamer@Gm@rmargin}{%
2031 \if@RTLmain
2032 \Gm@lmargin
2033 \else
2034 \Gm@rmargin
2035 \fi
2036 }
2037
2038 \def\ps@navigation{
2039 \def\@oddhead{%
2040 \begingroup%
2041 \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransiti
2042 \beamer@tempdim=\ht\beamer@tempbox%
2043 \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
2044 \wd\beamer@tempbox=Opt\ht\beamer@tempbox=Opt\dp\beamer@tempbox=Opt%
2045 \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2046 \beamer@tempdim=\ht\@tempboxa%
2047 \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
2048 \wd\@tempboxa=Opt\ht\@tempboxa=Opt\dp\@tempboxa=Opt%
2049 \vbox{\hbox{\hskip-\bidi@beamer@Gm@lmargin\box\beamer@tempbox\box\@tempboxa}%
2050 \hbox{%
2051 {%

```



```

2052 \setbox\beamer@tempbox=\hbox{\hskip-\bidi@beamer@Gm@lmargin%
2053 \if@RTLmain
2054     {%
2055         \vbox to \sidebarheight{%
2056             \usebeamertemplate***{sidebar left}%
2057             \vfil%
2058         }}%
2059 \@ifpackageloaded{beamerinnerthemeinmargin}{}{%
2060     \hskip-\textwidth
2061 }%
2062 \fi
2063 {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2064     \usebeamercolor*{sidebar left}%
2065     \usebeamertemplate{sidebar canvas left}%
2066     \vss%
2067     }}%
2068 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2069 \box\beamer@tempbox}%
2070 \if@RTLmain
2071 \else
2072 {%
2073     \vbox to \sidebarheight{%
2074         \usebeamertemplate***{sidebar left}%
2075         \vfil%
2076     }}\fi}%
2077 \beamer@tempdim=\ht\beamer@tempbox%
2078 \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2079 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2080 \box\beamer@tempbox%
2081 }%
2082 {% print right sidebar first, since it should be overwritten by headline
2083 \setbox\beamer@tempbox=\hbox{\hskip\textwidth\hskip\beamer@rightmargin%
2084 \if@RTLmain
2085     {%
2086         \vbox to \sidebarheight{%
2087             \usebeamertemplate***{sidebar right}%
2088             \vfil%
2089         }}%
2090 \hskip-\textwidth
2091 \fi
2092 {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2093     \usebeamercolor*{sidebar right}%
2094     \usebeamertemplate{sidebar canvas right}%
2095     \vss%
2096     }}%
2097 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2098 \box\beamer@tempbox}%
2099 \if@RTLmain
2100 \else
2101 {%
2102     \vbox to \sidebarheight{%
2103         \usebeamertemplate***{sidebar right}%
2104         \vfil%
2105     }}\fi}%

```



```

2106         \beamer@tempdim=\ht\beamer@tempbox%
2107         \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2108         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2109         \box\beamer@tempbox%
2110     }%
2111     \beamer@typesetheadorfoot{headline}%
2112 }%
2113 \hfil}%
2114 \endgroup}
2115 \def\@oddfoot{%
2116     \vbox{\offinterlineskip\hbox{\beamer@typesetheadorfoot{footline}}}%
2117     \hfil}\hbox{}}\hfil
2118 }%
2119 \let\@evenhead\@oddhead
2120 \let\@evenfoot\@oddfoot}
2121
2122 \AtBeginDocument{%
2123     \pagestyle{navigation}%
2124 }
2125
2126 \def\beamer@typesetheadorfoot#1{% typeset the head or footline
2127     {\parskip0pt\offinterlineskip%
2128         \hbox{%
2129             \hskip-\bidi@beamer@Gm@lmargin%
2130             \hbox{%
2131                 \vbox{%
2132                     \@tempdima=\textwidth%
2133                     \textwidth=\paperwidth%
2134                     \hsize=\textwidth%
2135                     \def\{,}%
2136                     \usebeamertemplate***{#1}%
2137                 }}%
2138             \hskip-\bidi@beamer@Gm@rmargin%
2139             }\hfil%
2140 }
2141
2142 \def\ps@empty{%
2143     \let\@mkboth\@gobbletwo%
2144     \def\@oddhead{\beginngroup%
2145         \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransiti
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         \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}}%
2150         \beamer@tempdim=\ht\@tempboxa%
2151         \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}}%
2152         \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2153         \vbox{\hbox{\hskip-\Gm@lmargin\raise\headheight\box\beamer@tempbox\raise\headheight\box\
2154         \endgroup%
2155     }
2156     \def\@oddfoot{\normalcolor{\hfil%
2157         \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{navigation symbols}\hskip-\bidi@beame
2158         \ht\beamer@tempbox=0pt%
2159         \dp\beamer@tempbox=0pt%

```



```

2160   \box\beamer@tempbox}}
2161   \let\@evenhead\@oddhead\let\@evenfoot\@oddfont}
2162
2163 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
2164   \beamer@colclose%
2165   \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
2166 \begin{actionenv}#3%
2167   \setkeys{beamer@col}{#1}%
2168   \begin{minipage}[\beamer@colalign]{#2}%
2169     \leavevmode\ bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2170
2171 \renewenvironment<>{columns}[1][]{%
2172   \begin{actionenv}#2%
2173   \ifbeamer@onlytextwidth
2174     \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
2175     \def\beamer@colexitcode{\unskip\egroup}
2176   \else%
2177     \def\beamer@colentrycode{%
2178       \hbox to\textwidth\bgroup%
2179       \leavevmode%
2180       \hskip-\beamer@leftmargin%
2181       \nobreak%
2182       \beamer@tempdim=\textwidth%
2183       \advance\beamer@tempdim by\beamer@leftmargin%
2184       \advance\beamer@tempdim by\beamer@rightmargin%
2185       \hbox to\beamer@tempdim\bgroup%
2186       \hbox{}\hfill\ignorespaces}%
2187     \def\beamer@colexitcode{\egroup%
2188       \nobreak%
2189       \hskip-\beamer@rightmargin\egroup}%
2190   \fi%
2191   \ifbeamer@centered\setkeys{beamer@col}{c}\else\setkeys{beamer@col}{t}\fi%
2192   \setkeys{beamer@col}{#1}%
2193   \par%
2194   \leavevmode
2195   \beamer@colentrycode%
2196   \def\beamer@colclose{\}\ignorespaces}%
2197   {\beamer@colclose\def\beamer@colclose{\}\beamer@colexitcode\end{actionenv}}}%
2198
2199
2200 \def\@makeRTLfnote#1{%
2201   \def\insertfootnotetext{#1}%
2202   \def\insertfootnotemark{\@makefnmark}%
2203   \usebeamertemplate***{RTLfootnote}}
2204
2205 \def\@makeLTRfnote#1{%
2206   \def\insertfootnotetext{#1}%
2207   \def\insertfootnotemark{\@makefnmark}%
2208   \usebeamertemplate***{LTRfootnote}}
2209
2210 \renewcommand<>\beamer@framefootnotetext[1]{%
2211   \global\setbox\beamer@footins\vbox{%
2212     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
2213     \hsize\framewidth

```



```

2214 \textwidth\hsize
2215 \columnwidth\hsize
2216 \unvbox\beamer@footins
2217 \reset@font
2218 \bidi@@footnotetext@font
2219 \@parboxrestore
2220 \protected@edef\@currentlabel
2221   {\csname p@footnote\endcsname\@thefnmark}%
2222 \color@begingroup
2223   \uncover#2{\@makefntext{%
2224     \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2225 \color@endgroup}}
2226
2227 \renewcommand<>\beamer@frameRTLfootnotetext[1]{%
2228   \global\setbox\beamer@footins\vbox{%
2229     \RTLtrue
2230     \hsize\framewidth
2231     \textwidth\hsize
2232     \columnwidth\hsize
2233     \unvbox\beamer@footins
2234     \reset@font
2235     \bidi@@RTLfootnotetext@font
2236     \@parboxrestore
2237     \protected@edef\@currentlabel
2238       {\csname p@footnote\endcsname\@thefnmark}%
2239     \color@begingroup
2240     \uncover#2{\@makeRTLfntext{%
2241       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2242     \color@endgroup}}
2243
2244 \renewcommand<>\beamer@frameLTRfootnotetext[1]{%
2245   \global\setbox\beamer@footins\vbox{%
2246     \RTLfalse
2247     \hsize\framewidth
2248     \textwidth\hsize
2249     \columnwidth\hsize
2250     \unvbox\beamer@footins
2251     \reset@font
2252     \bidi@@LTRfootnotetext@font
2253     \@parboxrestore
2254     \protected@edef\@currentlabel
2255       {\csname p@footnote\endcsname\@thefnmark}%
2256     \color@begingroup
2257     \uncover#2{\@makeLTRfntext{%
2258       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2259     \color@endgroup}}
2260
2261 \renewcommand<>\@mpfootnotetext[1]{%
2262 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoter
2263   \global\setbox\@mpfootins\vbox{%
2264     \unvbox\@mpfootins
2265     \if@RTL@footnote\RTLtrue\else\RTLfalse\fi
2266     \reset@font
2267     \bidi@@footnotetext@font

```




```

2268 \hsize\columnwidth
2269 \@parboxrestore
2270 \protected@edef\@currentlabel
2271     {\csname p@mpfootnote\endcsname\@thefnmark}%
2272 \color@begingroup
2273     \uncover#2{\@makefnctext{%
2274         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2275 \color@endgroup}}
2276
2277 \renewcommand<>\@mpRTLfootnotetext[1]{%
2278 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
2279 \global\setbox\@mpfootins\vbox{%
2280     \unvbox\@mpfootins
2281     \@RTLtrue
2282     \reset@font
2283     \bidi@@RTLfootnotetext@font
2284     \hsize\columnwidth
2285     \@parboxrestore
2286     \protected@edef\@currentlabel
2287         {\csname p@mpfootnote\endcsname\@thefnmark}%
2288     \color@begingroup
2289         \uncover#2{\@makeRTLfnctext{%
2290             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2291     \color@endgroup}}
2292
2293 \renewcommand<>\@mpLTRfootnotetext[1]{%
2294 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
2295 \global\setbox\@mpfootins\vbox{%
2296     \unvbox\@mpfootins
2297     \@RTLfalse
2298     \reset@font
2299     \bidi@@LTRfootnotetext@font
2300     \hsize\columnwidth
2301     \@parboxrestore
2302     \protected@edef\@currentlabel
2303         {\csname p@mpfootnote\endcsname\@thefnmark}%
2304     \color@begingroup
2305         \uncover#2{\@makeLTRfnctext{%
2306             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2307     \color@endgroup}}
2308
2309 \let\@footnotetext=\beamer@framefootnotetext
2310 \let\@RTLfootnotetext=\beamer@frameRTLfootnotetext
2311 \let\@LTRfootnotetext=\beamer@frameLTRfootnotetext
2312
2313 \footdir@temp\footdir@ORG@bidi@beamer@footnotetext\@footnotetext{\bidi@footdir@footnote}%
2314 \footdir@temp\footdir@ORG@bidi@beamer@RTLfootnotetext\@RTLfootnotetext{R}%
2315 \footdir@temp\footdir@ORG@bidi@beamer@LTRfootnotetext\@LTRfootnotetext{L}%
2316
2317 \renewcommand<>{\footnote}[1][ ]{%
2318     \let\beamer@footnotetext=\@footnotetext%
2319     \let\beamer@mpfn=\@mpfn%
2320     \let\beamer@thempfn=\@thempfn%
2321     \let\beamer@kvorig=\KV@errx%

```



```

2322 \let\beamer@xkvorig=\XKV@err
2323 \def\beamer@footarg{}%
2324 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2325 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2326 \setkeys{beamerfootnote}{#1}%
2327 \let\KV@errx=\beamer@kvorig%
2328 \let\XKV@errx=\beamer@xkvorig
2329 \ifx\beamer@footarg\@empty%
2330   \def\beamer@next{\stepcounter\beamer@mpfn
2331     \protected@xdef\@thefnmark{\beamer@thempfn}%
2332     \@footnotemark\beamer@footnotetext#2}%
2333 \else%
2334   \def\beamer@next{%
2335     \begingroup
2336       \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2337       \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2338     \endgroup
2339     \@footnotemark\beamer@footnotetext#2}%
2340 \fi%
2341 \beamer@next}
2342
2343 \renewcommand<>{\RTLfootnote}[1][ ]{%
2344   \let\beamer@RTLfootnotetext=\@RTLfootnotetext%
2345   \let\beamer@mpfn=\@mpfn%
2346   \let\beamer@thempfn=\thempfn%
2347   \let\beamer@kvorig=\KV@errx%
2348   \let\beamer@xkvorig=\XKV@err
2349   \def\beamer@footarg{}%
2350   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2351   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2352   \setkeys{beamerfootnote}{#1}%
2353   \let\KV@errx=\beamer@kvorig%
2354   \let\XKV@errx=\beamer@xkvorig
2355   \ifx\beamer@footarg\@empty%
2356     \def\beamer@next{\stepcounter\beamer@mpfn
2357       \protected@xdef\@thefnmark{\beamer@thempfn}%
2358       \@footnotemark\beamer@RTLfootnotetext#2}%
2359   \else%
2360     \def\beamer@next{%
2361       \begingroup
2362         \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2363         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2364       \endgroup
2365       \@footnotemark\beamer@RTLfootnotetext#2}%
2366   \fi%
2367   \beamer@next}
2368
2369 \renewcommand<>{\LTRfootnote}[1][ ]{%
2370   \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2371   \let\beamer@mpfn=\@mpfn%
2372   \let\beamer@thempfn=\thempfn%
2373   \let\beamer@kvorig=\KV@errx%
2374   \let\beamer@xkvorig=\XKV@err
2375   \def\beamer@footarg{}%

```



```

2376 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2377 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2378 \setkeys{beamerfootnote}{#1}%
2379 \let\KV@errx=\beamer@kvorig%
2380 \let\XKV@errx=\beamer@xkvorig
2381 \ifx\beamer@footarg\@empty%
2382   \def\beamer@next{\stepcounter\beamer@mpfn
2383     \protected@xdef\@thefnmark{\beamer@thempfn}%
2384     \@footnotemark\beamer@LTRfootnotetext#2}%
2385 \else%
2386   \def\beamer@next{%
2387     \begingroup
2388     \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2389     \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2390     \endgroup
2391     \@footnotemark\beamer@LTRfootnotetext#2}%
2392 \fi%
2393 \beamer@next}
2394
2395

```

20 File beamerbaseframesize-xetex-bidi.def

```

2396 \ProvidesFile{beamerbaseframesize-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamer]
2397 \def\beamer@framezoom<#1><#2>[#3](<#4,>#5)<#6,>#7){%
2398   \par\nointerlineskip%
2399   \global\beamer@slidehaszoomtrue%
2400   \advance\beamer@zoomcount by1\relax%
2401   \def\beamer@zoomborderwidth{0}%
2402   \edef\beamer@labelzoomed{\beamer@labelzoomed@the\beamer@zoomframecount @the\beamer@zoomcount}%
2403   \setkeys{beamerzoom}{#3}%
2404   \only<#1>{%
2405     {\hypersetup{pdfhighlight={/P},pdfborder={0 0 \beamer@zoomborderwidth}}}%
2406     \global\setbox\@tempboxa=\vbox{\hyperlink{\beamer@labelzoomed}{%
2407       \expandafter\ifx\csname XeTeXrevision\endcsname\relax
2408         \vbox to #7{%
2409           \hbox to#6{\hfil}%
2410           \vfil%
2411         }}%
2412     \else%
2413       \begingroup%
2414       \normalsize%
2415       \begin{pgfpicture}{0pt}{0pt}{#6}{#7}%
2416         \pgfsetfillopacity{0}
2417         \pgftext[x=0cm,y=3pt]{.}
2418         \pgftext[x=#6,y=\dimexpr#7-\baselineskip+3pt]{.}
2419         \end{pgfpicture}%
2420       \endgroup%
2421       \fi%
2422     }}}}%
2423   \ht\@tempboxa=0pt%
2424   \wd\@tempboxa=0pt%
2425   \dp\@tempboxa=0pt%
2426   \setbox\@tempboxa=\vbox{\if@RTL\moveleft\else\moveright\fi#4\hbox{\lower#5\vbox{\box\@tempboxa}}}

```



```

2427 \ht\@tempboxa=0pt%
2428 \wd\@tempboxa=0pt%
2429 \dp\@tempboxa=0pt%
2430 \global\setbox\beamer@zoombox=\vbox to0pt{\unvbox\beamer@zoombox\box\@tempboxa}%
2431 }%
2432 \only<#2>{%
2433 \ifundefined{beamer@labelzoomed}%
2434 {%
2435 \hypertarget{beamer@labelzoomed}{}%
2436 \expandafter\gdef\csname\beamer@labelzoomed\endcsname{}%
2437 }{}%
2438 \gdef\beamer@zoomer{%
2439 % compute zoom factor
2440 \@tempdima=\beamer@frametextheight%
2441 \@tempdimb=#7\relax%
2442 \@tempcnta=\@tempdimb%
2443 \divide\@tempcnta by4096\relax%
2444 \multiply\@tempdima by16\relax%
2445 \divide\@tempdima by\@tempcnta%
2446 \@tempdimb=\paperwidth%
2447 \ifbeamer@plainframe%
2448 \else%
2449 \advance\@tempdimb by-\beamer@leftsidebar%
2450 \advance\@tempdimb by-\beamer@rightsidebar\relax%
2451 \fi%
2452 \@tempdimc=#6\relax%
2453 \@tempcntb=\@tempdimc%
2454 \divide\@tempcntb by4096\relax%
2455 \multiply\@tempdimb by16\relax%
2456 \divide\@tempdimb by\@tempcntb%
2457 \ifdim\@tempdimb<\@tempdima%
2458 \@tempdima=\@tempdimb%
2459 \fi%
2460 \edef\beamer@tempf{\strip@pt\@tempdima}%
2461 \@tempdimc=\beamer@frametextheight%
2462 \advance\@tempdimc by4pt%
2463 \@tempdimb=\paperwidth%
2464 \ifbeamer@plainframe%
2465 \else%
2466 \advance\@tempdimb by-\beamer@leftsidebar%
2467 \advance\@tempdimb by-\beamer@rightsidebar\relax%
2468 \fi%
2469 \setbox\@tempboxa=\vbox{\hspace=\@tempdimb\Acrobatmenu{GoBack}{\vbox to
2470 \beamer@frametextheight{\hbox to\@tempdimb{\hfil}\vfil}}}%
2471 \ht\@tempboxa=0pt%
2472 \wd\@tempboxa=0pt%
2473 \dp\@tempboxa=0pt%
2474 \setbox\beamer@framebox=\vbox to\beamer@frametextheight{%
2475 \ifbeamer@plainframe\beamer@leftmargin=\Gm@lmargin\fi%
2476 \if@RTL
2477 \begin{pgfpicture}{\paperwidth-\beamer@leftmargin}{-\beamer@frametextheight}{\pape
2478 \pgftext[right,top]{\box\@tempboxa}
2479 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2480 \pgfusepath{clip}

```



```

2481         \beginpgfpicture
2482             \pgftransformscale{\beamer@temp}
2483             \@tempdima=#4\relax%
2484             \@tempdimb=#5\relax%
2485             {\pgftransformshift{\pgfpoint{\@tempdima+#6}{\@tempdimb}}}%
2486             \pgftext[right,top]{\vbox{\vbox{} \nointerlineskip \unvbox \beamer@framebox}}
2487         \endpgfpicture
2488     \else
2489     \begin{pgfpicture}{\beamer@leftmargin}{-\beamer@frametextheight}{\beamer@leftmargin}
2490         \pgftext[left,top]{\box\@tempboxa}
2491         \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2492         \pgfusepath{clip}
2493         \beginpgfpicture
2494             \pgftransformscale{\beamer@temp}
2495             \@tempdima=#4\relax%
2496             \@tempdimb=#5\relax%
2497             {\pgftransformshift{\pgfpoint{-\@tempdima}{\@tempdimb}}}%
2498             \pgftext[left,top]{\vbox{\vbox{} \nointerlineskip \unvbox \beamer@framebox}}
2499         \endpgfpicture
2500     \endpgfpicture
2501     \fi
2502     }}%
2503 \setbox\beamer@framebox=\vbox{%
2504     \nobreak\vbox{} \nobreak\par \nobreak\beamer@entrycode \nobreak%
2505     \nointerlineskip \unvbox \beamer@frametitlebox%
2506     \nobreak%
2507     \box\beamer@framebox%
2508     \nobreak%
2509     \vss%
2510     \beamer@exitcode%
2511 }%
2512 \global\setbox\beamer@footins=\box\voidb@x% no footnotes in zoomed slides
2513 }%
2514 }%
2515 }
2516 }
2517
2518

```

21 File beamerbaselocalstructure-xetex-bidi.def

```

2519 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
2520 \def\beamer@enum@{%
2521     \beamer@computepref\@itemdepth% sets \beameritemnestingprefix
2522     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2523     \bgroup
2524     \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2525     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2526     \egroup
2527     \expandafter
2528     \list
2529     {\usebeamertemplate{\beamer@enumtempl}}
2530     {\usecounter\@enumctr%
2531     \def\makelabel##1{\hss\llap{\%

```



```

2532             \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2533             \usebeamerfont*{enumerate \beameritemnestingprefix item}##1}}}}}%
2534 \beamer@cramped%
2535 \bidi@beamer@ragged%
2536 \beamer@firstlineitemizeunskip%
2537 }
2538
2539 \renewcommand{\itemize}[1][ ]{%
2540   \ifblank{#1}{\def\beamer@defaultspec{#1}}%
2541   \ifnum \@itemdepth >2\relax\@toodeep\else
2542     \advance\@itemdepth\@ne
2543     \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix
2544     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2545     \bgroup
2546     \usebeamerfont*{itemize/enumerate \beameritemnestingprefix body}%
2547     \usebeamerfont*{itemize/enumerate \beameritemnestingprefix body}##1}}}%
2548     \egroup
2549     \list
2550     {\usebeamerfont*{itemize \beameritemnestingprefix item}}
2551     {\def\makelabel##1{%
2552       {%
2553         \hss\llap{%
2554           \usebeamerfont*{itemize \beameritemnestingprefix item}%
2555           \usebeamerfont*{itemize \beameritemnestingprefix item}##1}}}%
2556       }%
2557     }%
2558   }
2559 \fi%
2560 \beamer@cramped%
2561 \bidi@beamer@ragged%
2562 \beamer@firstlineitemizeunskip%
2563 }
2564
2565 \def\@@description{%
2566   \advance\beamer@descdefault by \labelsep%
2567   \usebeamerfont*{description body}%
2568   \bgroup
2569   \usebeamerfont*{description body}%
2570   \usebeamerfont*{description body}##1}}}%
2571   \egroup
2572   \list
2573   {}
2574   {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descrip
2575   \beamer@cramped%
2576   \bidi@beamer@ragged
2577   \beamer@firstlineitemizeunskip%
2578 }
2579
2580 \renewenvironment{thebibliography}[1]
2581 {%\leavevmode\unskip%
2582 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
2583 \bidi@thebibliography@font@hook%
2584 \list{\@biblabel{\@arabic\c@enumiv}}%
2585 {\settowidth\labelwidth{\beamer@biblabeltemplate{\@biblabel{#1}}}}%

```



```

2586         \leftmargin\labelwidth
2587         \advance\leftmargin\labelsep
2588         \itemsep=0pt%
2589         \partopsep=0pt%
2590         \topsep=0pt%
2591         \usecounter{enumiv}%
2592         \let\p@enumiv\@empty
2593         \renewcommand\theenumiv{\@arabic\c@enumiv}
2594         \let\makelabel\beamer@biblabeltemplate}%
2595     \sloppy\bidibeamer@ragged
2596     \clubpenalty10000
2597     \@clubpenalty \clubpenalty
2598     \widowpenalty10000%
2599     \sfcode`\.\@m}
2600 {\def\@noitemerr
2601     {\@latex@warning{Empty `thebibliography' environment}}}%
2602     \ifhmode\unskip\fi\endlist}
2603
2604

```

22 File beamerbasemisc-xetex-bidi.def

```

2605 \ProvidesFile{beamerbasemisc-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamerbase
2606 \define@key{beamerst}{width}{%
2607     \def\beamer@ststart{%
2608         \begin{minipage}[t]{#1}%
2609             \bidibeamer@ragged
2610             \beamer@stalign
2611             \beamer@stlinebreakrule
2612         }%
2613     \def\beamer@stend{\end{minipage}}}
2614
2615

```

23 File beamerbasenavigation-xetex-bidi.def

```

2616 \ProvidesFile{beamerbasenavigation-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for beam
2617 \def\slideentry#1#2#3#4#5#6{%
2618     %section number, subsection number, slide number, first/last frame, page number, part numb
2619     \ifnum#6=\c@part\ifnum#1>0\ifnum#3>0%
2620         \ifbeamer@compress%
2621             \advance\beamer@xpos by1\relax%
2622         \else%
2623             \ifnum#2=0%
2624                 \beamer@ypos@offset=1\relax%
2625             \fi
2626             \beamer@xpos=#3\relax%
2627             \beamer@ypos=#2\relax%
2628             \advance\beamer@ypos by \beamer@ypos@offset\relax
2629         \fi%
2630     \hbox to Opt{%
2631         \beamer@tempdim=-\beamer@vboxoffset%
2632         \advance\beamer@tempdim by-\beamer@boxsize%
2633         \multiply\beamer@tempdim by\beamer@ypos%

```



```

2634 \advance\beamer@tempdim by -.05cm%
2635 \raise\beamer@tempdim\hbox{%
2636   \beamer@tempdim=\beamer@boxsize%
2637   \multiply\beamer@tempdim by\beamer@xpos%
2638   \advance\beamer@tempdim by -\beamer@boxsize%
2639   \advance\beamer@tempdim by 1pt%
2640   \kern\beamer@tempdim
2641   \global\beamer@section@min@dim\beamer@tempdim
2642   \hbox{\beamer@link(#4){%
2643     \usebeamerfont{mini frame}%
2644     \ifnum\c@section=#1%
2645       \ifnum\c@subsection=#2%
2646         \usebeamercolor[fg]{mini frame}%
2647         \ifnum\c@subsectionslide=#3%
2648           \usebeamertemplate{mini frame}\beamer@minislidehighlight%
2649         \else%
2650           \usebeamertemplate{mini frame in current subsection}\beamer@minisliderowhighlight%
2651         \fi%
2652       \else%
2653         \usebeamercolor{mini frame}%
2654         %\color{fg!50!bg}%
2655         \usebeamertemplate{mini frame in other subsection}\beamer@minislide%
2656       \fi%
2657     \else%
2658       \usebeamercolor{mini frame}%
2659       %\color{fg!50!bg}%
2660       \usebeamertemplate{mini frame in other subsection}\beamer@minislide%
2661     \fi%
2662   }}}\hskip-10cm plus 1fil%
2663 }\fi\fi%
2664 \else%
2665 \fakeslideentry{#1}{#2}{#3}{#4}{#5}{#6}%
2666 \fi\ignorespaces
2667 }
2668
2669 \pgfdefobject{bidi@beamer@RTL@gotosymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2670 {
2671   \pgfpathmoveto{3.5bp}{0.5bp}
2672   \pgfpathqlineto{1.5bp}{2bp}
2673   \pgfpathqlineto{3.5bp}{3.5bp}
2674   \pgfusepathqfill
2675 }
2676
2677 \def\insertgotosymbol{%
2678 \if@RTL
2679   \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2680     \pgfuseobject{bidi@beamer@RTL@gotosymbol}%
2681   \end{pgfpicture}%
2682 \else
2683   \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2684     \pgfuseobject{beamer@gotosymbol}%
2685   \end{pgfpicture}%
2686 \fi
2687 }

```




```

2688
2689 \pgfdefobject{bidi@beamer@RTL@skipsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{7pt}{5pt}}
2690 {
2691   \pgfpathmoveto{5.5bp}{0.5bp}
2692   \pgfpathqlineto{3.5bp}{2bp}
2693   \pgfpathqlineto{5.5bp}{3.5bp}
2694   \pgfpathmoveto{3.5bp}{0.5bp}
2695   \pgfpathqlineto{1.5bp}{2bp}
2696   \pgfpathqlineto{3.5bp}{3.5bp}
2697   \pgfusepathqfill
2698 }
2699
2700 \def\insertskipsymbol{%
2701 \if@RTL
2702   \begin{pgfpicture}{-1pt}{0pt}{6pt}{5pt}
2703     \pgfuseobject{bidi@beamer@RTL@skipsymbol}%
2704   \end{pgfpicture}%
2705 \else
2706   \begin{pgfpicture}{1pt}{0pt}{8pt}{5pt}
2707     \pgfuseobject{beamerskipsymbol}%
2708   \end{pgfpicture}%
2709 \fi
2710 }
2711
2712 \pgfdefobject{bidi@beamer@RTL@returnsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2713 {
2714   \pgfpathmoveto{1.5bp}{0.5bp}
2715   \pgfpathqlineto{3.5bp}{2bp}
2716   \pgfpathqlineto{1.5bp}{3.5bp}
2717   \pgfusepathqfill
2718 }
2719
2720 \def\insertreturnsymbol{%
2721 \if@RTL
2722   \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2723     \pgfuseobject{bidi@beamer@RTL@returnsymbol}%
2724   \end{pgfpicture}%
2725 \else
2726   \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2727     \pgfuseobject{beamerreturnsymbol}%
2728   \end{pgfpicture}%
2729 \fi
2730 }
2731
2732

```

24 File beamerbaseoverlay-xetex-bidi.def

```

2733 \ProvidesFile{beamerbaseoverlay-xetex-bidi.def}[2022/06/10 v0.1 bidi adaptations for beamer]
2734 \renewcommand<>{\color}{\alt#1{\beameroriginal{\color}}{\beamer@gobbleoptionalinsp}}
2735
2736

```



25 File beamerinnerthemedefault-xetex-bidi.def

```
2737 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/27 v0.6 bidi adaptations for b
2738 \newcommand*{\bidi@beamer@leftskip}{%
2739   \if@RTL
2740     \rightskip
2741   \else
2742     \leftskip
2743   \fi
2744 }
2745
2746 \newcommand*{\bidi@beamer@rightskip}{%
2747   \if@RTL
2748     \leftskip
2749   \else
2750     \rightskip
2751   \fi
2752 }
2753
2754 \bidi@csundef{beamer@@tmpop@subsection in toc@default}
2755
2756 \bidi@csundef{beamer@@tmpop@subsubsection in toc@default}
2757
2758 \defbeamertemplate*{subsection in toc}{default}
2759 {\leavevmode\bidi@beamer@leftskip=1.5em\inserttocsubsection\par}
2760
2761 \defbeamertemplate*{subsubsection in toc}{default}
2762 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3em%
2763   \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2764
2765 \newcommand*{\bidi@beamer@blacktriangle}{%
2766   \if@RTL
2767     $\blacktriangleleft$%
2768   \else
2769     $\blacktriangleright$%
2770   \fi
2771 }
2772
2773 \bidi@csundef{beamer@@tmpop@itemize item@default}
2774
2775 \bidi@csundef{beamer@@tmpop@itemize subitem@default}
2776
2777 \bidi@csundef{beamer@@tmpop@itemize subsubitem@default}
2778
2779 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{\d
2780 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\hb
2781 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1.
2782
2783 \bidi@undef\beamer@@tmpop@footnote@default
2784
2785 \defbeamertemplate*{footnote}{default}
2786 {
2787   \parindent 1em\noindent%
2788   \bidi@beamer@ragged
```



```

2789 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2790 }
2791
2792 \defbeamertemplate*{RTLfootnote}{default}
2793 {
2794 \parindent 1em\noindent%
2795 \raggedleft
2796 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2797 }
2798
2799 \defbeamertemplate*{LTRfootnote}{default}
2800 {
2801 \parindent 1em\noindent%
2802 \raggedright
2803 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2804 }
2805
2806 \bidi@undef\beamer@@tmpop@caption@default
2807
2808 \defbeamertemplate*{caption}{default}
2809 {%
2810 \bidi@beamer@ragged
2811 {%
2812 \leavevmode
2813 \usebeamerfont[fg]{caption name}%
2814 \usebeamerfont*{caption name}%
2815 \insertcaptionname
2816 \usebeamertemplate{caption label separator}%
2817 }%
2818 \insertcaption\par
2819 }
2820
2821 \bidi@csundef{beamer@@tmpop@block begin@default}
2822
2823 \bidi@csundef{beamer@@tmpop@block alerted begin@default}
2824
2825 \bidi@csundef{beamer@@tmpop@block example begin@default}
2826
2827 \defbeamertemplate*{block begin}{default}
2828 {
2829 \par\vskip\medskipamount%
2830 \begin{beamercolorbox}[colsep*=.75ex]{block title}
2831 \usebeamerfont*{block title}\insertblocktitle%
2832 \end{beamercolorbox}%
2833 {\parskip0pt\par}%
2834 \ifbeamercolorempy[bg]{block title}
2835 {}
2836 {\ifbeamercolorempy[bg]{block body}{\nointerlineskip\vskip-0.5pt}}%
2837 \usebeamerfont{block body}%
2838 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body}%
2839 \ifbeamercolorempy[bg]{block body}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\basel
2840 }
2841
2842 \defbeamertemplate*{block alerted begin}{default}

```



```

2843 {
2844   \par\vskip\medskipamount%
2845   \begin{beamercolorbox}[colsep*=.75ex]{block title alerted}
2846     \usebeamerfont*{block title alerted}\insertblocktitle%
2847   \end{beamercolorbox}%
2848   {\parskip0pt\par}%
2849   \ifbeamercoloreempty[bg]{block title alerted}
2850   {}
2851   {\ifbeamercoloreempty[bg]{block body alerted}{\nointerlineskip\vskip-0.5pt}}%
2852   \usebeamerfont{block body alerted}%
2853   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body alerted}%
2854     \ifbeamercoloreempty[bg]{block body alerted}\vskip-.25ex{\leavevmode\vskip-\dimexpr.75ex}
2855   }
2856
2857 \defbeamertemplate*{block example begin}{default}
2858 {
2859   \par\vskip\medskipamount%
2860   \begin{beamercolorbox}[colsep*=.75ex]{block title example}
2861     \usebeamerfont*{block title example}\insertblocktitle%
2862   \end{beamercolorbox}%
2863   {\parskip0pt\par}%
2864   \ifbeamercoloreempty[bg]{block title example}
2865   {}
2866   {\ifbeamercoloreempty[bg]{block body example}{\nointerlineskip\vskip-0.5pt}}%
2867   \usebeamerfont{block body example}%
2868   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body example}%
2869     \ifbeamercoloreempty[bg]{block body example}\vskip-.25ex{\leavevmode\vskip-\dimexpr.75ex}
2870   }
2871
2872 \bidi@csundef{beamer@tmpop@abstract begin@default}
2873
2874 \defbeamertemplate*{abstract begin}{default}
2875 {\beamercolorbox[vmode]{abstract}\bidi@beamer@leftskip2em\bidi@beamer@rightskip2em plus 1fil}
2876
2877 \bidi@undef\beamer@tmpop@button@default
2878
2879 \defbeamertemplate*{button}{default}
2880 {%
2881   \setbox\beamer@tempbox=\hbox{\insertbuttontext}%
2882   \ht\beamer@tempbox=6pt%
2883   \dp\beamer@tempbox=0pt%
2884   \setbox\beamer@tempbox=\vbox{\box\beamer@tempbox\vskip2pt}%
2885   \beamer@tempdim=\wd\beamer@tempbox%
2886   \beamer@dima=\beamer@tempdim\advance\beamer@dima by2.2pt
2887   \beamer@dimb=\beamer@tempdim\advance\beamer@dimb by4pt
2888   \if@RTL
2889     \kern4pt%
2890     \box\beamer@tempbox%
2891     \hskip-\beamer@tempdim%
2892   \fi
2893   \begin{pgfpicture}{-4pt}{0pt}{\the\beamer@tempdim}{8pt}
2894     \color{bg}
2895     \pgfsetlinewidth{0.8pt}
2896     \pgfpathmoveto{0pt}{0pt}

```



```

2897 \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2898 \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2899 \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2900 \pgfpathcurveto%
2901 {\pgfpoint{\the\beamer@dima}{8pt}}%
2902 {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2903 {\pgfpoint{\the\beamer@dimb}{4pt}}
2904 \pgfpathcurveto%
2905 {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2906 {\pgfpoint{\the\beamer@dima}{0pt}}%
2907 {\pgfpoint{\the\beamer@tempdim}{0pt}}
2908 \pgfpathclose
2909 \pgfusepathqfill
2910 \colorlet{bg}{parent.bg}
2911 \usebeamercolor[fg]{button border}
2912 \pgfpathqmoveto{0pt}{0pt}
2913 \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2914 \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2915 \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2916 \pgfpathcurveto%
2917 {\pgfpoint{\the\beamer@dima}{8pt}}%
2918 {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2919 {\pgfpoint{\the\beamer@dimb}{4pt}}
2920 \pgfpathcurveto%
2921 {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2922 {\pgfpoint{\the\beamer@dima}{0pt}}%
2923 {\pgfpoint{\the\beamer@tempdim}{0pt}}
2924 \pgfpathclose
2925 \pgfusepathqstroke
2926 \end{pgfpicture}%
2927 \if@RTL
2928 \else
2929 \hskip-\beamer@tempdim%
2930 \box\beamer@tempbox%
2931 \kern4pt%
2932 \fi
2933 }
2934
2935

```

26 File beamerinnerthemecircles-xetex-bidi.def

```

2936 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for b
2937 \setbeamertemplate{sections/subsections in toc}[circle]
2938

```

27 File beamerinnerthemefocus-xetex-bidi.def

```

2939 \ProvidesFile{beamerinnerthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for bea
2940 \setbeamertemplate{section in toc}[square]
2941 \setbeamertemplate{subsection in toc}[square]
2942
2943 \setbeamertemplate{itemize items}[square]
2944 \setbeamertemplate{itemize subitem}[triangle]

```



```

2945
2946 \bidi@csundef{beamer@@tmpop@title page@focus}
2947
2948 \defbeamertemplate*{title page}{focus}{%
2949   {%
2950     \usebeamercolor{frametitle}\colorlet{focus@@temp}{bg}%
2951     \begin{tikzpicture}[overlay, remember picture]
2952       \fill[color=focus@@temp] (current page.north west) rectangle ([shift = {(0, -0.4
2953     \end{tikzpicture}
2954   }
2955
2956   \vspace{-1.65\baselineskip}
2957   \begin{minipage}[b] [0.35\paperheight]{\textwidth}
2958     \vspace{\baselineskip}
2959     \usebeamerfont{title}
2960     \usebeamercolor[fg]{frametitle}
2961     \inserttitle
2962   \end{minipage}
2963
2964   \begin{minipage}[t] [0.1\paperheight]{\textwidth}
2965     \usebeamerfont{subtitle}
2966     \usebeamercolor[fg]{frametitle}
2967     \insertsubtitle
2968   \end{minipage}
2969
2970   % Set the title graphic in a zero-height box, so that
2971   % the position of other elements is not affected.
2972   {\vfuzz=9999pt\vbox to 0pt {
2973     \if@RTL
2974       \raggedright
2975     \else
2976       \raggedleft
2977     \fi
2978     \inserttitlegraphic
2979   }}
2980
2981   \begin{minipage}[t]{\textwidth}
2982     \usebeamerfont{author}
2983     \insertauthor
2984   \end{minipage}
2985
2986   \vspace*{\baselineskip}
2987   \begin{minipage}[t]{\textwidth}
2988     \usebeamerfont{institute}
2989     \insertinstitute
2990   \end{minipage}
2991
2992   \vspace*{\baselineskip}
2993   \begin{minipage}[t]{\textwidth}
2994     \usebeamerfont{date}
2995     \insertdate
2996   \end{minipage}
2997
2998   \vspace*{0pt plus 100fill}

```



```

2999
3000     \addtocounter{framenummer}{-1}
3001     \addtocounter{realframenummer}{-1}
3002 }
3003
3004
3005

```

28 File beamerinnerthemeinmargin-xetex-bidi.def

```

3006 \ProvidesFile{beamerinnerthemeinmargin-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for
3007 \AtBeginDocument{%
3008   \setbeamerwidth{sidebar width left=.25\paperwidth}%
3009 }
3010
3011 \bidi@csundef{beamer@@tmpop@section in toc@inmargin}
3012
3013 \bidi@csundef{beamer@@tmpop@title page@inmargin}
3014
3015 \bidi@csundef{beamer@@tmpop@block begin@inmargin}
3016
3017 \bidi@csundef{beamer@@tmpop@block end@inmargin}
3018
3019 \bidi@csundef{beamer@@tmpop@block alerted begin@inmargin}
3020
3021 \bidi@csundef{beamer@@tmpop@block alerted end@inmargin}
3022
3023 \bidi@csundef{beamer@@tmpop@block example begin@inmargin}
3024
3025 \bidi@csundef{beamer@@tmpop@block example end@inmargin}
3026
3027 \defbeamerteremplate*{section in toc}{inmargin}
3028 {\leavevmode
3029   \beamer@putleft{\usebeamercolor[fg]{section in toc}\inserttocsection}\strut}{2.5ex}}
3030
3031 \defbeamerteremplate*{title page}{inmargin}
3032 {
3033   \begin{block}{\inserttitleindicator}
3034     \bgroup\usebeamercolor[fg]{title}\usebeamerfont{title}\inserttitle\egroup\par
3035     \usebeamercolor[fg]{subtitle}\usebeamerfont{subtitle}\insertsubtitle
3036   \end{block}
3037   \vfill
3038   \ifx\insertauthor\@empty
3039   \else
3040     \begin{block}{\insertauthorindicator}
3041       \bgroup\usebeamercolor[fg]{author}\usebeamerfont{author}\insertauthor\egroup\par
3042     \end{block}
3043     \fi
3044     \ifx\insertinstitute\@empty
3045     \else
3046       \begin{block}{\insertinstituteindicator}
3047         \bgroup\usebeamercolor[fg]{institute}\usebeamerfont{institute}\insertinstitute\egroup\par
3048       \end{block}
3049       \fi

```



```

3050 \ifx\insertdate\@empty
3051 \else
3052 \begin{block}{\insertdateindicator}
3053   \bgroup\usebeamercolor[fg]{date}\usebeamerfont{date}\insertdate\egroup\par
3054 \end{block}
3055 \fi
3056 }
3057
3058 \defbeamertemplate*{block begin}{inmargin}
3059 {
3060   \par\vskip\medskipamount%
3061   \leavevmode%
3062   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title}\usebeamerfont*{block title}\i
3063   \beginL\beamer@putright
3064   %\usebeamercolor[fg]{block body}% to be done!
3065 }
3066
3067 \defbeamertemplate*{block end}{inmargin}
3068 {\endbeamer@putright\endL\vskip\smallskipamount}
3069
3070 \defbeamertemplate*{block alerted begin}{inmargin}
3071 {
3072   \par\vskip\medskipamount%
3073   \leavevmode%
3074   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title alerted}\usebeamerfont*{block
3075   \beginL\beamer@putright
3076   %\usebeamercolor[fg]{block body alerted}% to be done!
3077 }
3078
3079 \defbeamertemplate*{block alerted end}{inmargin}
3080 {\endbeamer@putright\endL\vskip\smallskipamount}
3081
3082 \defbeamertemplate*{block example begin}{inmargin}
3083 {
3084   \par\vskip\medskipamount%
3085   \leavevmode%
3086   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title example}\usebeamerfont*{block
3087   \beginL\beamer@putright
3088   %\usebeamercolor[fg]{block body example}% to be done
3089 }
3090
3091 \defbeamertemplate*{block example end}{inmargin}
3092 {\endbeamer@putright\endL\vskip\smallskipamount}
3093
3094 \bidi@AfterFile{beamerinnerthemerectangles-xetex-bidi.def}{%
3095   \setbeamertemplate{section in toc}[inmargin]%
3096   \setbeamertemplate{subsection in toc}[inmargin]%
3097   \setbeamertemplate{subsubsection in toc}[inmargin]%
3098 }
3099
3100

```

29 File beamerinnerthememetropolis-xetex-bidi.def




```

3101 \ProvidesFile{beamerinnerthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations fo
3102 \setbeamertemplate{title}{
3103   \bidi@beamer@ragged%
3104   \linespread{1.0}%
3105   \inserttitle%
3106   \par%
3107   \vspace*{0.5em}
3108 }
3109
3110 \setbeamertemplate{subtitle}{
3111   \bidi@beamer@ragged%
3112   \insertsubtitle%
3113   \par%
3114   \vspace*{0.5em}
3115 }
3116
3117 \bidi@csundef{beamer@@tmpop@section page@progressbar}
3118
3119 \defbeamertemplate{section page}{progressbar}{
3120   \centering
3121   \begin{minipage}{22em}
3122     \bidi@beamer@ragged
3123     \usebeamercolor[fg]{section title}
3124     \usebeamerfont{section title}
3125     \insertsectionhead\[-1ex]
3126     \usebeamertemplate*{progress bar in section page}
3127     \par
3128     \ifx\insertsubsectionhead\@empty\else%
3129       \usebeamercolor[fg]{subsection title}%
3130       \usebeamerfont{subsection title}%
3131       \insertsubsectionhead
3132     \fi
3133   \end{minipage}
3134   \par
3135   \vspace{\baselineskip}
3136 }
3137
3138 \setbeamertemplate{progress bar in section page}{
3139   \setlength{\metropolis@progressonsectionpage}{%
3140     \textwidth * \ratio{\insertframenum pt}{\inserttotalframenum pt}}%
3141   }%
3142   \begin{tikzpicture}
3143     \fill[bg] (0,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3144   \if@RTLmain
3145     \fill[fg] (\textwidth-\metropolis@progressonsectionpage,0) rectangle (\textwidth, \metro
3146   \else
3147     \fill[fg] (0,0) rectangle (\metropolis@progressonsectionpage, \metropolis@progressonsect
3148   \fi
3149   \end{tikzpicture}%
3150 }
3151
3152 \renewcommand{\metropolis@block}[1]{
3153   \par\vskip\medskipamount%
3154   \setlength{\parskip}{0pt}

```



```

3155 \ifbeamercolorempy[bg]{block title#1}{%
3156   \if@RTL
3157     \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3158   \else
3159     \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3160   \fi
3161 }{%
3162 \ifbeamercolorempy[bg]{block title}{%
3163   \if@RTL
3164     \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3165   \else
3166     \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3167   \fi
3168 }%
3169 {%
3170 \if@RTL
3171   \begin{beamercolorbox}[
3172     sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3173     rightskip=\metropolis@blockadjust,
3174     leftskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3175   ]{block title#1}%
3176   \else
3177   \begin{beamercolorbox}[
3178     sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3179     leftskip=\metropolis@blockadjust,
3180     rightskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3181   ]{block title#1}%
3182   \fi
3183 }}%
3184   \usebeamerfont*{block title#1}%
3185   \metropolis@strut%
3186   \insertblocktitle%
3187   \metropolis@strut%
3188 \end{beamercolorbox}%
3189 \nointerlineskip%
3190 \ifbeamercolorempy[bg]{block body#1}{%
3191   \begin{beamercolorbox}[vmode]{block body#1}}{
3192 \ifbeamercolorempy[bg]{block body}{%
3193   \begin{beamercolorbox}[vmode]{block body#1}%
3194 }{%
3195   \begin{beamercolorbox}[sep=\metropolis@blocksep, vmode]{block body#1}%
3196   \vspace{-\metropolis@parskip}
3197 }}%
3198   \usebeamerfont{block body#1}%
3199   \setlength{\parskip}{\metropolis@parskip}%
3200 }
3201
3202
3203 \setbeamertemplate{footnote}{%
3204   \parindent 0em\noindent%
3205   \bidi@beamer@ragged
3206   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3207 }
3208

```



```

3209 \setbeamertemplate{RTLfootnote}{%
3210   \parindent 0em\noindent%
3211   \raggedleft
3212   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3213 }
3214
3215 \setbeamertemplate{LTRfootnote}{%
3216   \parindent 0em\noindent%
3217   \raggedright
3218   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3219 }
3220
3221 \setbeamertemplate{itemize items}{\textbullet}
3222
3223 \setbeamertemplate{section page}[progressbar]
3224
3225

```

30 File beamerinnerthemerectangles-xetex-bidi.def

```

3226 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for b
3227 \setbeamertemplate{sections/subsections in toc}[square]
3228 \setbeamertemplate{items}[square]
3229

```

31 File beamerinnerthemeroounded-xetex-bidi.def

```

3230 \ProvidesFile{beamerinnerthemeroounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for b
3231 \setbeamertemplate{blocks}[rounded] [shadow=\beamer@themeroounded@shadow]
3232 \setbeamertemplate{items}[ball]
3233 \setbeamertemplate{sections/subsections in toc}[ball]
3234

```

32 File beamerouterthemedefault-xetex-bidi.def

```

3235 \ProvidesFile{beamerouterthemedefault-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for b
3236 \def\beamer@fleft{\if@RTLmain\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by1.
3237
3238 \def\beamer@fright{\if@RTLmain\else\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightski
3239
3240 \AtBeginDocument{%
3241   \if@RTLmain
3242     \setbeamertemplate{frametitle}[default] [right]
3243   \fi
3244 }
3245
3246 \bidi@csundef{beamer@@tmpop@note page@default}
3247
3248 \newcommand*\bidi@beamer@today}{%
3249 \the\year-\ifnum\month<10\relax0\fi\the\month-\ifnum\day<10\relax0\fi\the\day}
3250
3251 \defbeamertemplate*{note page}{default}
3252 {%
3253   {%

```



```

3254 \scriptsize
3255 \usebeamerfont{note title}\usebeamercolor[fg]{note title}%
3256 \ifbeamercoloreempty[bg]{note title}{-}{%
3257 \insertvrule{.25\paperheight}{note title.bg}%
3258 \vskip-.25\paperheight%
3259 \nointerlineskip%
3260 }%
3261 \vbox{
3262 \hfill\insertslideintonotes{0.25}\hskip-\Gm\rmargin\hskip0pt%
3263 \vskip-0.25\paperheight%
3264 \nointerlineskip
3265 \if@RTL
3266 \begin{pgfpicture}{-\textwidth}{0cm}{-\textwidth}{0cm}
3267 \begin{pgflowlevelslope}{\pgftransformrotate{-90}}
3268 {\pgftransformshift{\pgfpoint{2cm}{0.2cm}}}%
3269 \pgftext[base,right]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3270 \end{pgflowlevelslope}
3271 \end{pgfpicture}%
3272 \else
3273 \begin{pgfpicture}{0cm}{0cm}{0cm}{0cm}
3274 \begin{pgflowlevelslope}{\pgftransformrotate{90}}
3275 {\pgftransformshift{\pgfpoint{-2cm}{0.2cm}}}%
3276 \pgftext[base,left]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3277 \end{pgflowlevelslope}
3278 \end{pgfpicture}%
3279 \fi}
3280 \nointerlineskip
3281 \vbox to .25\paperheight{\vskip0.5em
3282 \if@RTL
3283 \moveright0.25\textwidth
3284 \fi
3285 \hbox{\insertshorttitle[width=0.75\textwidth]}}%
3286 \setbox\beamer@tempbox=\hbox{\insertsection}%
3287
3288 \if@RTL
3289 \moveright\dimexpr0.29\textwidth-14pt\relax
3290 \fi
3291 \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip4pt\raise3pt\hbox{\vrule
3292 width0.4pt height7pt\vrule width 9pt
3293 height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}}
3294 \if@RTL\endR\fi}}%
3295 \setbox\beamer@tempbox=\hbox{\insertsubsection}%
3296
3297 \if@RTL
3298 \moveright\dimexpr0.29\textwidth-27.4pt\relax
3299 \fi \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip17.4pt\raise3pt\hbox{\vrule
3300 width0.4pt height7pt\vrule width 9pt
3301 height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}}
3302 \if@RTL\endR\fi}}%
3303 \setbox\beamer@tempbox=\hbox{\insertshortframetitle}%
3304
3305 \if@RTL
3306 \moveright\dimexpr0.33\textwidth-40.8pt\relax
3307 \fi \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip30.8pt\raise3pt\hbox{\vrule

```



```

3308         width0.4pt height7pt\vrule width 9pt
3309         height0.4pt}}\hskip1pt\hbox{\insertshortframetitle[width=0.67\textwidth]}\fi%
3310     \if@RTL\endR\fi}%
3311     \vfil}%
3312 }%
3313 \ifbeamercoloreempty[bg]{note page}{-}{%
3314     \nointerlineskip%
3315     \insertvrule{.75\paperheight}{note page.bg}%
3316     \vskip-.75\paperheight%
3317 }%
3318 \vskip.25em
3319 \nointerlineskip
3320 \insertnote
3321 }
3322
3323
3324

```

33 File beamerouterthemefocus-xetex-bidi.def

```

3325 \ProvidesFile{beamerouterthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for bea
3326 \bidi@undef\beamer@tmpop@footline@progressbar
3327
3328 \defbeamertemplate*{footline}{progressbar}{%
3329     % If not appendix.
3330     \ifnum\mainend<0% From package appendixnumberbeamer.
3331         %
3332         \settowidth{\focus@pbar@leftoffset}{1}%
3333         \addtolength{\focus@pbar@leftoffset}{1.5em}%
3334         %
3335         \ifx\beamer@focus@totalframenum\no%
3336             \settowidth{\focus@pbar@rightoffset}{}%
3337             \addtolength{\focus@pbar@rightoffset}{0.5em}%
3338         \else%
3339             \settowidth{\focus@pbar@rightoffset}{\inserttotalframenum}%
3340             \addtolength{\focus@pbar@rightoffset}{1.5em}%
3341         \fi%
3342         %
3343         % If not title page.
3344         \ifnum\value{realframenum}>0%
3345             \ifnum\value{framenum}<\inserttotalframenum%
3346                 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]\usebeamerfont{footli
3347                     \pgfmathsetmacro{\focus@pbar@progress}%
3348                         {(\paperwidth-\focus@pbar@leftoffset-\focus@pbar@rightoffset)*(\inse
3349
3350                     \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3351 \if@RTLmain
3352                     \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@leftoff
3353                     \fill[footline.bg] (\paperwidth-\the\focus@pbar@leftoffset,0) rectangle
3354                         ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west,
3355 \else
3356                     \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@leftoffset,\the\fo
3357                     \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pb
3358                         ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=east,

```



```

3359 \fi
3360             \ifx\beamer@focus@totalframenumbers\no%
3361             \else%
3362 \if@RTLmain
3363             \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@rightoffset,\the\focus@pbar@height)
3364             ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=east]{};
3365 \else
3366             \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@rightoffset,\the\focus@pbar@height)
3367             ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west]{};
3368 \fi
3369             \fi%
3370             \end{tikzpicture}%
3371         \else%
3372         \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]
3373             \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3374             \fill[footline.bg] (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3375 \if@RTLmain
3376             \node[anchor=west, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){};
3377 \else
3378             \node[anchor=east, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){};
3379 \fi
3380             \ifx\beamer@focus@totalframenumbers\no%
3381             \else%
3382 \if@RTLmain
3383             \node[footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){};
3384             \node[anchor=east, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){};
3385 \else
3386             \node[footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){};
3387             \node[anchor=west, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){};
3388 \fi
3389             \fi%
3390             \end{tikzpicture}%
3391         \fi%
3392     \fi%
3393 \fi%
3394 }
3395
3396

```

34 File beamerouterthemeinfolines-xetex-bidi.def

```

3397 \ProvidesFile{beamerouterthemeinfolines-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for xetex]
3398 \bidi@csundef{beamer@tmpop@footline@infolines theme}
3399
3400 \defbeamer*template*{footline}{infolines theme}
3401 {%
3402     \leavevmode%
3403     \hbox{%
3404         \begin{beamer*colorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot}
3405             \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\beamer@shortauthor}{}
3406         \end{beamer*colorbox}%
3407         \begin{beamer*colorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}
3408             \usebeamerfont{title in head/foot}\insertshorttitle
3409         \end{beamer*colorbox}%

```



```

3410 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,s
3411 \hfill%
3412 \usebeamerfont{date in head/foot}%
3413 \insertshortdate{}}%
3414 \hfill%
3415 \bgroup
3416 \usebeamerfont[fg]{page number in head/foot}%
3417 \usebeamerfont{page number in head/foot}%
3418 \usebeamertemplate{page number in head/foot}%
3419 \egroup
3420 \end{beamercolorbox}}%
3421 \vskip0pt%
3422 }
3423
3424 \bidi@csundef{beamer@tmpop@headline@infolines theme}
3425
3426 \defbeamertemplate*{headline}{infolines theme}
3427 {%
3428 \leavevmode%
3429 \hbox{%
3430 \if@RTL
3431 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{section in head/foot}%
3432 \else
3433 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{section in head/foot}%
3434 \fi
3435 \usebeamerfont{section in head/foot}\insertsectionhead\hspace*{2ex}
3436 \end{beamercolorbox}}%
3437 \if@RTL
3438 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{subsection in head/foot}%
3439 \else
3440 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{subsection in head/foot}%
3441 \fi
3442 \usebeamerfont{subsection in head/foot}\hspace*{2ex}\insertsubsectionhead
3443 \end{beamercolorbox}}%
3444 \vskip0pt%
3445 }
3446
3447 \bidi@AfterFile{beamerouterthememetroplit-xetex-bidi.def}{%
3448 \setbeamertemplate{footline}[infolines theme}%
3449 }
3450

```

35 File beamerouterthememetropolis-xetex-bidi.def

```

3451 \ProvidesFile{beamerouterthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations fo
3452 \setbeamertemplate{progress bar in head/foot}{
3453 \nointerlineskip
3454 \setlength{\metropolis@progressinheadfoot}{%
3455 \paperwidth * \ratio{\insertframenum pt}{\inserttotalframenum pt}}%
3456 }%
3457 \begin{beamercolorbox}[wd=\paperwidth]{progress bar in head/foot}
3458 \begin{tikzpicture}
3459 \fill[bg] (0,0) rectangle (\paperwidth, \metropolis@progressinheadfoot@linewidth);
3460 \if@RTLmain

```



```

3461     \fill[fg] (\paperwidth-\metropolis@progressinheadfoot,0) rectangle (\paperwidth, \metr
3462 \else
3463     \fill[fg] (0,0) rectangle (\metropolis@progressinheadfoot, \metropolis@progressinheadf
3464 \fi
3465     \end{tikzpicture}%
3466 \end{beamercolorbox}
3467 }
3468
3469 \AtBeginDocument{%
3470 \setbeamertheme{frametitle}[plain]%
3471 }
3472
3473

```

36 File beamerouterthememiniframes-xetex-bidi.def

```

3474 \ProvidesFile{beamerouterthememiniframes-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations fo
3475 \bidi@csundef{beamer@tmpop@headline@miniframes theme}
3476
3477 \defbeamertheme*{headline}{miniframes theme}
3478 {%
3479 \begin{beamercolorbox}[colsep=1.5pt]{upper separation line head}
3480 \end{beamercolorbox}
3481 \begin{beamercolorbox}{section in head/footer}
3482 \vskip2pt\if@RTL\beginR\fi\insertnavigation{\paperwidth}\if@RTL\endR\fi\vskip2pt
3483 \end{beamercolorbox}%
3484 \ifbeamer@theme@subsection%
3485 \begin{beamercolorbox}[colsep=1.5pt]{middle separation line head}
3486 \end{beamercolorbox}
3487 \if@RTL
3488 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3489 rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/footer}
3490 \else
3491 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3492 leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/footer}
3493 \fi
3494 \usebeamerfont{subsection in head/footer}\insertsubsectionhead
3495 \end{beamercolorbox}%
3496 \fi%
3497 \begin{beamercolorbox}[colsep=1.5pt]{lower separation line head}
3498 \end{beamercolorbox}
3499 }
3500
3501

```

37 File beamerouterthemesidebar-xetex-bidi.def

```

3502 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for b
3503 \bidi@csundef{beamer@tmpop@frametitle@sidebar theme}
3504
3505 \bidi@csundef{beamer@tmpop@headline@sidebar theme}
3506
3507 \bidi@csundef{beamer@tmpop@sidebar left@sidebar theme}
3508

```




```

3509 \bidi@csundef{beamer@tmpop@sidebar right@sidebar theme}
3510
3511 \ifdim\beamer@headheight>0pt
3512
3513 \defbeamertemplate*{frametitle}{sidebar theme}
3514 {%
3515 \nointerlineskip%
3516 \ifbeamer@plainframe%
3517 \hbox{\usebeamercolor[bg]{frametitle}%
3518 \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
3519 \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\beamer@leftmargin}
3520 \nointerlineskip%
3521 \fi%
3522 \vskip-\beamer@headheight%
3523 \vbox to \beamer@headheight{%
3524 \vfil
3525 \bidi@beamer@leftskip=-\beamer@leftmargin%
3526 \advance\bidi@beamer@leftskip by0.3cm%
3527 \bidi@beamer@rightskip=-\beamer@rightmargin%
3528 \advance\bidi@beamer@rightskip by0.3cm plus1fil%
3529 {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par}
3530 \ifx\insertframesubtitle\@empty\else%
3531 {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframesubtitle\par}
3532 \fi%
3533 \vbox{}%
3534 \vskip-1em%
3535 \vfil
3536 }%
3537 }
3538
3539 \AtBeginDocument{%
3540 \setbeamertemplate{frametitle}[sidebar theme]%
3541 }
3542
3543 \defbeamertemplate*{headline}{sidebar theme}
3544 {%
3545 \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
3546 \ifx\beamer@sidebarside\beamer@lefttext%
3547 \else%
3548 \hfill%
3549 \fi%
3550 \ifdim\beamer@sidebarwidth>0pt%
3551 \bgroup
3552 \usebeamercolor[bg]{logo}%
3553 \if@RTLmain
3554 \else
3555 \vrule width\beamer@sidebarwidth height \beamer@headheight%
3556 \hskip-\beamer@sidebarwidth%
3557 \fi
3558 \hbox to \beamer@sidebarwidth{\hss\vbox to
3559 \beamer@headheight{\vss\hbox{{\color{fg}\insertlogo}}\vss}\hss}%
3560 \if@RTLmain
3561 \hskip-\beamer@sidebarwidth%
3562 \vrule width\beamer@sidebarwidth height \beamer@headheight%

```



```

3563         \fi
3564         \egroup
3565     \else%
3566         \vrule width0pt height \beamer@headheight%
3567     \fi%
3568 \end{beamercolorbox}
3569 }
3570 \fi
3571
3572 \def\beamer@sidebarformat#1#2#3{%
3573 \if@RTL
3574 \begin{beamercolorbox}[wd=\beamer@sidebarwidth,rightskip=#1,leftskip=1ex plus1fil,vmode]{#
3575 \else
3576 \begin{beamercolorbox}[wd=\beamer@sidebarwidth,leftskip=#1,rightskip=1ex plus1fil,vmode]{#
3577 \fi
3578     \vbox{}%
3579     #3\par%
3580     \vbox{}%
3581     \vskip-1.5ex%
3582 \end{beamercolorbox}
3583 }
3584
3585 \ifdim\beamer@sidebarwidth>0pt
3586
3587 \AtBeginDocument{%
3588 \setbeamersize{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
3589 }
3590
3591 \defbeamertheme*{sidebar \beamer@sidebarside}{sidebar theme}
3592 {
3593 \beamer@tempdim=\beamer@sidebarwidth%
3594 \advance\beamer@tempdim by -6pt%
3595 {\usebeamerfont{title in sidebar}%
3596 \vskip1.5em%
3597 \hskip3pt%
3598 \bgroup
3599 \usebeamercolor[fg]{title in sidebar}%
3600 \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3601 \vskip1.25em%
3602 }%
3603 {%
3604 \hskip3pt%
3605 \bgroup
3606 \usebeamercolor[fg]{author in sidebar}%
3607 \usebeamerfont{author in sidebar}%
3608 \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3609 \vskip1.25em%
3610 }%
3611 \insertverticalnavigation{\beamer@sidebarwidth}%
3612 \vfill
3613 \ifx\beamer@sidebarside\beamer@lefttext%
3614 \else%
3615 \usebeamercolor{normal text}%
3616 \llap{\usebeamertheme***{navigation symbols}\hskip0.1cm}%

```



```

3617     \vskip2pt%
3618     \fi%
3619 }%
3620 \fi
3621

```

38 File beamerouterthemesplit-xetex-bidi.def

```

3622 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for bea
3623 \bidi@csundef{beamer@tmpop@footline@split theme}
3624
3625 \defbeamer-template*{footline}{split theme}
3626 {%
3627   \leavevmode%
3628   \hbox{\if@RTL\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm pl
3629 \else
3630 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,rightski
3631 \fi
3632   \usebeamerfont{author in head/foot}\insertshortauthor
3633   \end{beamercolorbox}}%
3634 \if@RTL
3635   \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm,leftskip=.3cm
3636 \else
3637   \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm p
3638 \fi
3639   \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bgroup\usebeamercolor[
3640   \end{beamercolorbox}}%
3641   \vskip0pt%
3642 }
3643
3644

```

39 File beamerouterthemeshadow-xetex-bidi.def

```

3645 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/11 v0.3 bidi adaptations for be
3646 \pgfdeclarehorizontalshading[frametitle.bg,frametitle right.bg]{bidi@beamer@RTL@frametitlesh
3647   color(0pt)=(frametitle right.bg);
3648   color(\paperwidth)=(frametitle.bg)
3649 }
3650
3651 \newcommand*{\bidi@beamer@frametitleshade}{%
3652   \if@RTLmain
3653     \pgfuses shading{bidi@beamer@RTL@frametitleshade}%
3654   \else
3655     \pgfuses shading{beamer@frametitleshade}%
3656   \fi
3657 }
3658
3659 \bidi@csundef{beamer@tmpop@frametitle@shadow theme}
3660
3661 \defbeamer-template*{frametitle}{shadow theme}
3662 {%
3663   \nointerlineskip%
3664   \vskip-2pt%

```



```

3665 \hbox{\leavevmode
3666   \advance\beamer@leftmargin by -12bp%
3667   \advance\beamer@rightmargin by -12bp%
3668   \beamer@tempdim=\textwidth%
3669   \advance\beamer@tempdim by \beamer@leftmargin%
3670   \advance\beamer@tempdim by \beamer@rightmargin%
3671   \hskip-\Gm@lmargin\hbox{%
3672     \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
3673       \vbox{\vskip-.75ex%
3674         \bidi@beamer@leftskip0.3cm%
3675         \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
3676         \bgroup\usebeamerfont[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframesubtitle%
3677         \ifx\insertframesubtitle\@empty\else%
3678           {\usebeamerfont*{framesubtitle}{\usebeamerfont[fg]{framesubtitle}\insertframesubtitle}%
3679         \fi%
3680         \nointerlineskip
3681         \vbox{}}%
3682       \end{minipage}}%
3683     \beamer@tempdim=\ht\beamer@tempbox%
3684     \advance\beamer@tempdim by 2pt%
3685     \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
3686       \begin{pgfscope}
3687         \pgfsetfillcolor{black}%
3688         \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
3689         \pgfsetfading{beamer@topshadowmask}{}%
3690         \pgfusepath{fill}%
3691       \end{pgfscope}
3692       \begin{pgfscope}
3693         \usebeamerfont{frametitle right}%
3694         \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%
3695         \pgfusepath{clip}%
3696         \pgftext[left,base]{\bidi@beamer@frametitleshade}%
3697       \end{pgfscope}
3698     \end{pgfpicture}
3699     \hskip-\paperwidth%
3700     \box\beamer@tempbox%
3701   }%
3702   \hskip-\Gm@rmargin%
3703 }%
3704 \vskip-2pt
3705 }
3706
3707 \AtBeginDocument{%
3708   \setbeamertemplate{frametitle}[shadow theme]%
3709 }
3710
3711

```

40 File beamerouterthemesmoothbars-xetex-bidi.def

```

3712 \ProvidesFile{beamerouterthemesmoothbars-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for xetex]
3713 \bidi@csundef{beamer@tmpop@headline@smoothbars theme}
3714
3715 \bidi@csundef{beamer@tmpop@frametitle@smoothbars theme}

```



```

3716
3717 \defbeamertheme*{headline}{smoothbars theme}
3718 {%
3719   \pgfuseshading{beamer@barshade}%
3720   \vskip-0.05ex%
3721   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3722   \begin{pgfpicture}
3723     \begin{pgfscope}%
3724       \ifbeamer@sb@subsection%
3725         \pgfsetfillcolor{subsection in head/foot.bg}%
3726       \else%
3727         \pgfsetfillcolor{section in head/foot.bg}%
3728       \fi%
3729       \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3730       \pgfsetfading{beamer@belowframetitlemask}{}%
3731       \pgfusepath{fill}%
3732     \end{pgfscope}%
3733   \end{pgfpicture}%
3734   \end{beamercolorbox}%
3735   \ifbeamer@sb@subsection%
3736     \vskip-9.75ex%
3737   \else%
3738     \vskip-6.85ex%
3739   \fi%
3740   \begin{beamercolorbox}[ignorebg,ht=2.25ex,dp=3.75ex]{section in head/foot}
3741     \insertnavigation{\paperwidth}
3742   \end{beamercolorbox}%
3743   \ifbeamer@sb@subsection%
3744   \if@RTL
3745     \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3746       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3747     \else
3748     \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3749       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3750     \fi
3751     \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3752   \end{beamercolorbox}%
3753   \fi%
3754 }%
3755
3756 \defbeamertheme*{frametitle}{smoothbars theme}
3757 {%
3758   \nointerlineskip%
3759   \vskip-0.19ex%
3760   \usebeamerfont{headline}%
3761   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=1ex,vmode]{empty}
3762     \pgfuseshading{beamer@aboveframetitle}%
3763   \end{beamercolorbox}%
3764   \vskip-1ex%
3765   \nointerlineskip%
3766   \if@RTL
3767     \begin{beamercolorbox}[wd=\paperwidth,rightskip=.3cm,leftskip=.3cm plus1fil,vmode]{frameti
3768   \else
3769     \begin{beamercolorbox}[wd=\paperwidth,leftskip=.3cm,rightskip=.3cm plus1fil,vmode]{frameti

```



```

3770 \fi
3771 \vskip0.5ex%
3772 \usebeamerfont*{frametitle}\strut\insertframetitle%
3773 \ifx\insertframesubtitle\@empty%
3774 \strut\par%
3775 \else
3776 \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insertframesubtitle}%
3777 \fi}%
3778 \usebeamerfont{headline}%
3779 \vskip0.05ex%
3780 \end{beamercolorbox}%
3781 \nointerlineskip%
3782 \vskip-0.05ex%
3783 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3784 \begin{pgfpicture}
3785 \begin{pgfscope}%
3786 \pgfsetfillcolor{frametitle.bg}%
3787 \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3788 \pgfsetfading{beamer@belowframetitlemask}{}%
3789 \pgfusepath{fill}%
3790 \end{pgfscope}%
3791 \end{pgfpicture}%
3792 \end{beamercolorbox}%
3793 }
3794
3795 \AtBeginDocument{%
3796 \setbeamertheme{frametitle}[smoothbars theme]%
3797 }
3798
3799

```

41 File beamerouterthemesmoothtree-xetex-bidi.def

```

3800 \ProvidesFile{beamerouterthemesmoothtree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for xetex]
3801 \bidi@csundef{beamer@tmpop@headline@smoothtree theme}
3802
3803 \bidi@csundef{beamer@tmpop@frametitle@smoothtree theme}
3804
3805 \defbeamertheme*{headline}{smoothtree theme}
3806 {%
3807 \pgfuses shading{beamer@treeshade}%
3808 \vskip-0.05ex%
3809 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3810 \begin{pgfpicture}
3811 \begin{pgfscope}%
3812 \pgfsetfillcolor{subsection in head/foot.bg}%
3813 \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3814 \pgfsetfading{beamer@belowframetitlemask}{}%
3815 \pgfusepath{fill}%
3816 \end{pgfscope}%
3817 \end{pgfpicture}%
3818 \end{beamercolorbox}%
3819 \vskip-9.15ex%
3820 \if@RTL

```



```

3821 \begin{beamercolorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3822   rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3823 \else
3824 \begin{beamercolorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3825   leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3826 \fi
3827 \usebeamerfont{title in head/foot}\insertshorttitle
3828 \end{beamercolorbox}
3829 \if@RTL
3830 \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3831   rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3832 \else
3833 \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3834   leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3835 \fi
3836 \usebeamerfont{section in head/foot}%
3837 \hskip6pt\insertsectionhead
3838 \end{beamercolorbox}
3839 \if@RTL
3840 \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3841   rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3842 \else
3843 \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3844   leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3845 \fi
3846 \usebeamerfont{subsection in head/foot}%
3847 \hskip12pt\insertsubsectionhead
3848 \end{beamercolorbox}
3849 \vskip-0.4ex%
3850 }
3851
3852 \defbeamertheme*{frametitle}{smoothtree theme}
3853 {%
3854 \nointerlineskip%
3855 \vskip-0.05ex%
3856 \usebeamerfont{headline}%
3857 \begin{beamercolorbox}[wd=\paperwidth,ht=0.85ex,dp=0ex]{empty}
3858 \pgfuses shading{beamer@aboveframetitle}%
3859 \end{beamercolorbox}
3860 \nointerlineskip%
3861 \if@RTL
3862 \begin{beamercolorbox}[wd=\paperwidth,rightskip=.935cm,leftskip=.3cm plus1fil]{frametitle}
3863 \else
3864 \begin{beamercolorbox}[wd=\paperwidth,leftskip=.935cm,rightskip=.3cm plus1fil]{frametitle}
3865 \fi
3866 \vskip-1.2ex%
3867 \usebeamerfont*{frametitle}\strut\insertframetitle%
3868 \ifx\insertframesubtitle\@empty%
3869 \strut\par%
3870 \else
3871 \par{\usebeamerfont*{framesubtitle}\usebeamercolor[fg]{framesubtitle}\strut\insertframesubtitle}
3872 \fi%
3873 \usebeamerfont{headline}%
3874 \end{beamercolorbox}%

```



```

3875 \nointerlineskip
3876 \vskip-0.2ex%
3877 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3878 \begin{pgfpicture}
3879   \begin{pgfscope}%
3880     \pgfsetfillcolor{frametitle.bg}%
3881     \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3882     \pgfsetfading{beamer@belowframetitlemask}{}%
3883     \pgfusepath{fill}%
3884   \end{pgfscope}%
3885 \end{pgfpicture}%
3886 \end{beamercolorbox}%
3887 }
3888
3889
3890 \AtBeginDocument{%
3891   \setbeamertheme{frametitle}[smoothtree theme]%
3892 }
3893
3894

```

42 File beamerouterthemetree-xetex-bidi.def

```

3895 \ProvidesFile{beamerouterthemetree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beam
3896 \bidi@csundef{beamer@tmpop@headline@tree theme}
3897
3898 \defbeamertheme*{headline}{tree theme}
3899 {%
3900   \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{upper separation line head}
3901   \end{beamercolorbox}
3902   \if@RTL
3903     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3904       rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3905     \else
3906     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3907       leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3908     \fi
3909     \usebeamerfont{title in head/foot}\insertshorttitle
3910   \end{beamercolorbox}
3911   \if@RTL
3912     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3913       rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3914     \else
3915     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3916       leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3917     \fi
3918     \usebeamerfont{section in head/foot}%
3919     \ifbeamer@tree@showhooks
3920       \setbox\beamer@tempbox=\hbox{\insertsectionhead}%
3921       \ifdim\wd\beamer@tempbox>1pt%
3922         \hskip2pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0.
3923         \hskip1pt%
3924       \fi%
3925     \else%

```




```

3926     \hskip6pt%
3927     \fi%
3928     \insertsectionhead
3929 \end{beamercolorbox}
3930 \if@RTL
3931 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3932   rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3933 \else
3934 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3935   leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3936 \fi
3937 \usebeamerfont{subsection in head/foot}%
3938 \ifbeamer@tree@showhooks
3939   \setbox\beamer@tempbox=\hbox{\insertsubsectionhead}%
3940   \ifdim\wd\beamer@tempbox>1pt%
3941     \hskip9.4pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height
3942     \hskip1pt%
3943     \fi%
3944   \else%
3945     \hskip12pt%
3946   \fi%
3947   \insertsubsectionhead
3948 \end{beamercolorbox}
3949 \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{lower separation line head}
3950 \end{beamercolorbox}
3951 }
3952
3953

```

43 File beamerthemeHannover-xetex-bidi.def

```

3954 \ProvidesFile{beamerthemeHannover-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for beame
3955 \AtBeginDocument{%
3956   \if@RTLmain
3957     \setbeamertemplate{frametitle}[default][left]%
3958   \else
3959     \setbeamertemplate{frametitle}[default][right]%
3960   \fi
3961 }
3962
3963

```

44 File beamerthemeSingapore-xetex-bidi.def

```

3964 \ProvidesFile{beamerthemeSingapore-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beame
3965 \addtoheadtemplate{\pgfuses shading{beamer@headfade}\vskip-1.25cm}{ }
3966
3967 \beamertemplatedotitem
3968
3969 \AtBeginDocument{%
3970   \setbeamertemplate{frametitle}[default][center]%
3971 }
3972
3973

```



45 File `bidi.sty`

```
3974 \NeedsTeXFormat{LaTeX2e}
3975 \def\bididate{2023/08/02}
3976 \def\bidi@version{39.8}
3977 \def\bidi@releasename{Donald Ervin Knuth}
3978 \newcommand*\bidireleasename{\bidi@releasename}
3979 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space (Release \bidi@releasename)\space
3980 Bidirectional typesetting in plain TeX and LaTeX]
3981 \edef\@bidi@info{*****^J%
3982 * ^J%
3983 * bidi package (Bidirectional typesetting in^J%
3984 * plain TeX and LaTeX, using XeTeX engine)^J%
3985 * ^J%
3986 * Description: A convenient interface for^J%
3987 * typesetting bidirectional texts in plain TeX^J%
3988 * and LaTeX. The package includes adaptations^J%
3989 * for use with many other commonly-used packages.^J%
3990 * ^J%
3991 * Copyright (c) 2007--2023 Vafa Khalighi^J%
3992 * Copyright (c) 2018--2020 bidi-tex GitHub organization^J%
3993 * ^J%
3994 * v\bidi@version\space (Release \bidi@releasename), \bididate^J%
3995 * ^J%
3996 * License: LaTeX Project Public License, version^J%
3997 * 1.3c or higher (your choice)^J%
3998 * ^J%
3999 * Location on CTAN: /macros/xetex/latex/bidi^J%
4000 * ^J%
4001 * Issue tracker: https://github.com/kvafa/bidi/issues^J%
4002 * ^J%
4003 * Discussions: https://github.com/kvafa/bidi/discussions^J%
4004 * ^J%
4005 * Primary author of bidi package: Vafa Khalighi.^J%
4006 * ^J%
4007 *****}
4008 \typeout{\@bidi@info}
4009 \edef\bidi@everyjob{\the\everyjob}
4010 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
4011 \newcommand*\bidi@version{\ensuremath\bidi@version}
4012 \newcommand*\IfbidiPackageVersionLater}[1]{%
4013   \ifdim\bidi@version pt > #1 pt %
4014     \expandafter\@firstoftwo
4015   \else
4016     \expandafter\@secondoftwo
4017   \fi}
4018 \newcommand*\IfbidiPackageVersionBefore}[1]{%
4019   \ifdim\bidi@version pt < #1 pt %
4020     \expandafter\@firstoftwo
4021   \else
4022     \expandafter\@secondoftwo
4023   \fi}
4024 \newcommand*\IfbidiPackageVersion}[1]{%
4025   \ifdim\bidi@version pt = #1 pt %
```



```

4026   \expandafter\@firstoftwo
4027   \else
4028     \expandafter\@secondoftwo
4029   \fi}
4030 \RequirePackage{iftex}
4031 \RequireXeTeX
4032 \RequirePackage{bidiutils}
4033 \RequirePackage{zref-abspage}
4034 \RequirePackage{auxhook}
4035 \RequirePackage{ltxcmds}
4036 \RequirePackage{xkeyval}
4037 \eqnewif{\if@RTLmain}{\if@rlmain}
4038 \eqnewif{\if@RTL}{\if@rl}
4039 \newif\if@nonlatin
4040 \newif\if@bidi@perpage@footnote
4041 \newcommand*{\setlatin}{\@nonlatinfalse}
4042 \newcommand*{\setnonlatin}{\@nonlatintrue}
4043 \eqnewif{\if@RTLtab}{\if@tab@rl}
4044 \newif\if@hboxRconstruct
4045 \newif\if@bidi@pdfencrypt
4046 \newcommand*{\setRTLtable}{\@RTLtabtrue}
4047 \newcommand*{\setLTRtable}{\@RTLtabfalse}
4048 \newif\if@bidi@pdfm@mark
4049 \newif\if@RTLMarginpar
4050 \newif\if@LTRmarginpar
4051 \newif\if@LTRbibitems
4052 \newif\if@RTLbibitems
4053 \newif\if@extrafootnotefeatures
4054 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
4055 \newif\if@bidi@list@minipage@parbox
4056 \newif\if@bidi@list@minipage@parbox@not@nob
4057 \newcommand*{\@bidi@pdfcreator}{%
4058   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4059 }
4060 \newcommand*{\@bidi@pdfproducer}{%
4061   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4062 }
4063 \newcommand*{\@bidi@pdfcustomproperties}{%
4064   This is the bidi package, Version \@bidi@version\space (Release \@bidi@releasename),
4065   Released August 2, 2023.
4066 }
4067 \newcommand*{\@bidi@beamer@ragged}{%
4068   \@RTLmainfalse
4069 \AtBeginDocument{%
4070   \if@RTLmain\else
4071     \if@RTL\@RTLmaintrue%
4072     \else\@RTLmainfalse%
4073     \fi%
4074   \fi%
4075 }
4076 \let\n@xt=\
4077 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
4078 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt=}
4079 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}

```



```

4080 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4081 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4082 \errmessage{Missing left brace has been substituted}\fi \bgroup}
4083 \newinsert\@bidi@copyins@
4084 \skip\@bidi@copyins@=12\p@
4085 \dimen\@bidi@copyins@=40pc
4086 \count\@bidi@copyins@=1000
4087 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
4088 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
4089 \ifRTLmain
4090 \if@twocolumn
4091 \hboxR to \columnwidth
4092 \else
4093 \hboxR to \textwidth
4094 \fi
4095 \else
4096 \if@twocolumn
4097 \hboxL to \columnwidth
4098 \else
4099 \hboxL to \textwidth
4100 \fi
4101 \fi
4102 }
4103 \newcommand*{\@bidi@logo}[1]{%
4104 \toks@{%
4105 \setbox\z@\hbox{%
4106 \special{%
4107 pdf:image width 50pt height 50pt (#1)%
4108 }
4109 }%
4110 \dp\z@\z@
4111 \ht\z@=50pt
4112 \wd\z@=50pt
4113 \beginL
4114 \lower20pt\box\z@
4115 \endL
4116 }%
4117 \the\toks@
4118 }
4119 \newcommand*{\@bidi@logo@}{%
4120 \@bidi@logo@hb@xt@columnwidth
4121 {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
4122 package\quad\@bidi@logo{bidi-logo.pdf}}}}
4123 \define@key{bidi@pdfencrypt}{userpassword}[]{}%
4124 \def\bidi@pdfencrypt@userpassword{#1}%
4125 }
4126 \define@key{bidi@pdfencrypt}{ownerpassword}[]{}%
4127 \def\bidi@pdfencrypt@ownerpassword{#1}%
4128 }
4129 \define@key{bidi@pdfencrypt}{keylength}[128]{%
4130 \def\bidi@pdfencrypt@keylength{#1}%
4131 }
4132 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{%
4133 \def\bidi@pdfencrypt@permissionflags{#1}%

```



```

4134 }
4135 \newcommand*\pdfencryptsetup{\setkeys{bidi@pdfencrypt}}
4136 \@onlypreamble\pdfencryptsetup
4137 \input{latex-xetex-bidi.def}
4138 \input{loadingorder-xetex-bidi.def}
4139 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4140   \ifcase\bidi@tempb\relax
4141     \RTLtrue
4142   \or
4143     \RTLfalse
4144   \fi}
4145 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
4146 \ifcase\bidi@tempb\relax
4147   \RTLtrue
4148 \or
4149   \RTLfalse
4150 \fi}
4151 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
4152 \ifcase\bidi@tempb\relax
4153   \RTLtabtrue
4154 \or
4155   \RTLtabfalse
4156 \fi}
4157 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
4158 \ifcase\bidi@tempb\relax
4159   \nonlatinfalse
4160 \or
4161   \nonlatintrue
4162 \fi}
4163 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4164 \ifcase\bidi@tempb\relax
4165   \RTLtrue
4166 \or
4167   \RTLfalse
4168 \fi}
4169 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split}
4170 \ifcase\bidi@tempb\relax
4171   \autofootnoterule
4172 \or
4173   \leftfootnoterule
4174 \or
4175   \rightfootnoterule
4176 \or
4177   \SplitFootnoteRule
4178 \or
4179   \textwidthfootnoterule
4180 \fi}
4181 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
4182 \ifcase\bidi@tempb\relax
4183   \RTL@footnotetrue
4184 \or
4185   \RTL@footnotefalse
4186 \fi}
4187 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%

```



```

4188 \ifcase\bidit@tempb\relax
4189   \footdir@debugtrue
4190 \or
4191   \footdir@debugfalse
4192 \fi}
4193 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidit@tempa\bidit@tempb]{on,off}[on]{%
4194   \ifcase\bidit@tempb\relax
4195     \@extrafootnotefeaturestrue
4196 \or
4197     \@extrafootnotefeaturesfalse
4198 \fi}
4199
4200 \define@choicekey{bidi.sty}{DetectColumn}[\bidit@tempa\bidit@tempb]{on,off}[on]{%
4201   \ifcase\bidit@tempb\relax
4202     \def\bidit@firstcolumn@status@write{%
4203       \protected@write\@auxout{%
4204         {\string\bidit@column@status
4205          {1}}}%
4206     \def\bidit@lastcolumn@status@write{%
4207       \protected@write\@auxout{%
4208         {\string\bidit@column@status{2}}}%
4209 \or
4210     \let\bidit@firstcolumn@status@write\relax
4211     \let\bidit@lastcolumn@status@write\relax
4212 \fi}
4213
4214 \define@choicekey{bidi.sty}{logo}[\bidit@tempa\bidit@tempb]{on,off}[on]{%
4215   \ifcase\bidit@tempb\relax
4216     \AtBeginDocument{\@bidit@inslogo@}%
4217 \or
4218     \let\@bidit@logo@\@empty \let\@bidit@inslogo@\@empty
4219 \fi}
4220
4221 \define@choicekey{bidi.sty}{pdfinfo}[\bidit@tempa\bidit@tempb]{on,off}[on]{%
4222   \ifcase\bidit@tempb\relax
4223     \@bidit@pdfm@marktrue
4224 \or
4225     \@bidit@pdfm@markfalse
4226 \fi}
4227
4228 % The `perpagefootnote' option is documented in UK TeX FAQ at
4229 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
4230
4231 \define@choicekey{bidi.sty}{perpagefootnote}[\bidit@tempa\bidit@tempb]{on,off}[on]{%
4232   \ifcase\bidit@tempb\relax
4233     \@bidit@perpage@footnotetrue
4234 \or
4235     \@bidit@perpage@footnotefalse
4236 \fi}
4237
4238 \ExecuteOptionsX{%
4239   DetectColumn=off%
4240 }
4241

```



```

4242 \ProcessOptionsX
4243
4244 \pdfencryptsetup{%
4245   userpassword,%
4246   ownerpassword,%
4247   keylength,%
4248   permissionflags%
4249 }
4250
4251 \if@extrafootnotefeatures
4252   \input{extrafootnotefeatures-xetex-bidi.def}
4253 \fi
4254 \newcount\ bidi@digits
4255 \XeTeXinterchartokenstate=\@one
4256 \newXeTeXintercharclass\ bidi@digits@charclass
4257 \newXeTeXintercharclass\ bidi@sepmark@charclass
4258 \XeTeXcharclass `\. \ bidi@sepmark@charclass
4259 \XeTeXcharclass `\- \ bidi@sepmark@charclass
4260 \ bidi@digits=\@0 \loop \XeTeXcharclass \ bidi@digits \ bidi@digits@charclass \ifnum\ bidi@digit
4261 \ bidi@digits=\@ \loop \XeTeXcharclass \ bidi@digits \ bidi@digits@charclass \ifnum\ bidi@digit
4262 \ bidi@digits=\@ \loop \XeTeXcharclass \ bidi@digits \ bidi@digits@charclass \ifnum\ bidi@digit
4263 \XeTeXinterchartoks \ bidi@sepmark@charclass \ bidi@digits@charclass = {\DigitsDotDashInterCharToks}
4264 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
4265 \ bidi@AtEndPreamble{%
4266   \if@bidi@perpage@footnote
4267     \RequirePackage{bidi-perpage}%
4268     \ResetCounterPerPage{footnote}%
4269   \fi
4270   \ifx\ bidi@pdfencrypt@ownerpassword\ bidi@empty
4271     \ifx\ bidi@pdfencrypt@userpassword\ bidi@empty
4272       \@bidi@pdfencryptfalse
4273     \else
4274       \@bidi@pdfencrypttrue
4275     \fi
4276   \else
4277     \@bidi@pdfencrypttrue
4278   \fi
4279   \if@bidi@pdfencrypt
4280     \special{pdf:encrypt
4281       userpw (\ bidi@pdfencrypt@userpassword)
4282       ownerpw (\ bidi@pdfencrypt@ownerpassword)
4283       length \ bidi@pdfencrypt@keylength
4284       perm \ bidi@pdfencrypt@permissionflags
4285     }%
4286   \fi
4287 }
4288 \AtEndDocument{%
4289   \special{pdf:%
4290     docinfo<<%
4291     \if@bidi@pdfm@mark
4292       /Creator(\@bidi@pdfcreator)%
4293       /Producer(\@bidi@pdfproducer)%
4294     \fi
4295     /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%

```



```

4296     \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4297         /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4298     }{}%
4299     >>%
4300 }%
4301 }

```

46 File bidi.tex

```

4302 \def\bididate{2023/08/02}
4303 \catcode\@=11
4304 \def\bidi@version{39.8}
4305 \def\bidi@releasename{Donald Ervin Knuth}
4306 \def\bidi@releasename{\bidi@releasename}
4307 \let \protect \relax
4308 \newlinechar`^^J
4309 \edef\@bidi@info{*****^^J%
4310 * ^^J%
4311 * bidi package (Bidirectional typesetting in^^J%
4312 * plain TeX and LaTeX, using XeTeX engine)^^J%
4313 * ^^J%
4314 * Description: A convenient interface for^^J%
4315 * typesetting bidirectional texts in plain TeX^^J%
4316 * and LaTeX. The package includes adaptations^^J%
4317 * for use with many other commonly-used packages.^^J%
4318 * ^^J%
4319 * Copyright (c) 2007--2023 Vafa Khalighi^^J%
4320 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
4321 * ^^J%
4322 * v\bidi@version\space (Release \bidi@releasename), \bididate^^J%
4323 * ^^J%
4324 * License: LaTeX Project Public License, version^^J%
4325 * 1.3c or higher (your choice)^^J%
4326 * ^^J%
4327 * Location on CTAN: /macros/xetex/latex/bidi^^J%
4328 * ^^J%
4329 * Issue tracker: https://github.com/kvafa/bidi/issues^^J%
4330 * ^^J%
4331 * Discussions: https://github.com/kvafa/bidi/discussions^^J%
4332 * ^^J%
4333 * Primary author of bidi package: Vafa Khalighi.^^J%
4334 * ^^J%
4335 *****}
4336 \message{\@bidi@info}
4337 \edef\bidi@everyjob{\the\everyjob}
4338 \everyjob{\bidi@everyjob\message{\@bidi@info}}
4339 \def\bidi@version{%
4340     \relax
4341     \ifmmode
4342         \bidi@version
4343     \else
4344         $\bidi@version$
4345     \fi
4346 }

```




```

4347 \input iftex.sty
4348 \RequireXeTeX
4349 \newif\if@bidi@pdfm@mark
4350 \newif\if@RTLmain
4351 \newif\if@RTL
4352 \newif\if@hboxRconstruct
4353 \newif\if@sendif
4354 \newif\if@RTL@footnote
4355 \@RTLmainfalse
4356 \def\setRTLmain{%
4357   \if@RTLmain\else
4358     \if@RTL\@RTLmaintrue%
4359   \else\@RTLmainfalse%
4360   \fi%
4361 \fi%
4362 }
4363 \let\n@xt=\
4364 \protected\def\LRE{\protect\pLRE}%
4365 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4366 \protected\def\RLE{\protect\pRLE}
4367 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4368 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4369   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4370 \newinsert\@bidi@copyins@
4371 \skip\@bidi@copyins@=12\p@
4372 \dimen\@bidi@copyins@=40pc
4373 \count\@bidi@copyins@=1000
4374 \def\@bidi@inslogo@{\insert\@bidi@copyins@\@bidi@logo@}
4375 \def\@bidi@logo@hb@xt@{%
4376   \if@RTLmain
4377     \hboxR to
4378   \else
4379     \hboxL to
4380   \fi
4381 }
4382 \def\@bidi@logo@#1{%
4383   \toks@{%
4384     \setbox\z@\hbox{%
4385       \special{%
4386         pdf:image width 50pt height 50pt (#1)%
4387       }
4388     }%
4389     \dp\z@\z@
4390     \ht\z@=50pt
4391     \wd\z@=50pt
4392     \beginL
4393     \lower20pt\box\z@
4394     \endL
4395   }%
4396   \the\toks@
4397 }
4398 \def\@bidi@logo@\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@
4399 \def\nobidilogo{\let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty}
4400 \def\@bidi@pdfcreator{%

```



```

4401 The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4402 }
4403 \def\bidi@pdfproducer{%
4404 The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4405 }
4406 \def\bidi@pdfcustomproperties{%
4407 This is the bidi package, Version \bidi@version\space (Release \bidi@releasename),
4408 Released August 2, 2023.
4409 }
4410 \def\bidi@pdfmark{%
4411 \special{pdf:%
4412 docinfo<<%
4413 \if\bidi@pdfmark
4414 /Creator(\@bidi@pdfcreator)%
4415 /Producer(\@bidi@pdfproducer)%
4416 \fi
4417 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4418 >>%
4419 }%
4420 }
4421 \def\bidi@pdfinfoon{\@bidi@pdfmarktrue}
4422 \def\bidi@pdfinfooff{\@bidi@pdfmarkfalse}
4423 \input plain-xetex-bidi.def
4424 \@bidi@inslogo@
4425 \outer\def\bye{\par\vfill\supereject\bidi@pdfmark@end}
4426 \catcode\@=12
4427 \bidi@pdfinfoon

```

47 File bidi2in1.sty

```

4428 \NeedsTeXFormat{LaTeX2e}
4429 \ProvidesPackage{bidi2in1}
4430 \pagestyle{plain}
4431 \newcount\evenpage
4432 \newcount\oddpages
4433 \twocolumn
4434 \def\@oddfont{\evenpage=\thepage%
4435 \multiply\evenpage by 2%
4436 \oddpages=\the\evenpage%
4437 \advance\oddpages by -1%
4438 \hfil\the\evenpage\hfil\hfil\the\oddpages\hfil}%
4439 \def\@evenfont{\evenpage=\thepage%
4440 \multiply\evenpage by 2%
4441 \oddpages=\the\evenpage%
4442 \advance\oddpages by -1%
4443 \hfil\the\oddpages\hfil\hfil\the\evenpage\hfil}%
4444 \textwidth 9.49in
4445 \textheight 6.7in
4446 \columnsep 0.9in
4447 \columnseprule 0.125pt
4448 \headheight 0cm
4449 \topmargin 0in
4450 \marginparwidth 0in
4451 \marginparsep 0in

```



```

4452 \hoffset 0.05in % Corrected
4453 \voffset -0.5in %top margin space is 1.0in by default
4454 \oddsidemargin 0in
4455 \evensidemargin 0in
4456 \headsep 0cm
4457 \topskip 0cm
4458 \parskip 0.15in %
4459 \headsep 0pt
4460 \special{papersize=11.69in,8.26in}
4461 \renewcommand\maketitle{\par
4462 \begingroup
4463 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
4464 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
4465 \long\def\@makefntext##1{\parindent 1em\noindent
4466 \hb@xt@1.8em{%
4467 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
4468 \@maketitle
4469 \@thanks
4470 \endgroup
4471 \setcounter{footnote}{0}%
4472 \global\let\thanks\relax
4473 \global\let\maketitle\relax
4474 \global\let\@maketitle\relax
4475 \global\let\@thanks\@empty
4476 \global\let\@author\@empty
4477 \global\let\@date\@empty
4478 \global\let\@title\@empty
4479 \global\let\title\relax
4480 \global\let\author\relax
4481 \global\let\date\relax
4482 \global\let\and\relax
4483 }

```

48 File bidicode.sty

```

4484 \NeedsTeXFormat{LaTeX2e}
4485 \ProvidesPackage{bidicode}
4486 \RequirePackage{xcolor}
4487 \RequirePackage{showexpl}
4488 \definecolor{hellgelb}{rgb}{1,1,0.85}
4489 \definecolor{colKeys}{rgb}{0,0,1}
4490 \definecolor{colCS}{rgb}{0,0,1}
4491 \definecolor{colIdentifier}{rgb}{0,0,0}
4492 \definecolor{colComments}{rgb}{1,0,0}
4493 \definecolor{colString}{rgb}{0,0.5,0}
4494 \lstset{%
4495     language=[LaTeX]TeX,%
4496     float=hbp,%
4497     basicstyle=\ttfamily\small,%
4498     identifierstyle=\color{colIdentifier},%
4499     keywordstyle=\color{colKeys},%
4500     texcsstyle=\color{colCS},%
4501     stringstyle=\color{colString},%
4502     commentstyle=\color{colComments},%

```



```

4503     backgroundcolor=\color{hellgelb},%
4504     columns=flexible,%
4505     tabsize=4,%
4506     extendedchars=true,%
4507     showspaces=false,%
4508     showstringspaces=false,%
4509     numbers=left,%
4510     numbersep=0.9em,%
4511     numberstyle=\tiny,%
4512     frame=single,%
4513     captionpos=b,%
4514     xleftmargin=1em,%
4515     breaklines=true,%
4516     breakautoindent=false,%
4517     breakindent=0pt,%
4518     escapeinside=**,%
4519     pos=r,%
4520     explpreset={%
4521         xleftmargin=1em,%
4522         columns=flexible,%
4523         language=[LaTeX]TeX%
4524     },%
4525     moretexcs={%
4526         bididate,%
4527         bidiversion,%
4528         deflatinfont,%
4529         defpersianfont,%
4530         ding,%
4531         endLTR,%
4532         endRTL,%
4533         false,%
4534         falsesymbol,%
4535         junicode,%
4536         lr,%
4537         LR,%
4538         LRE,%
4539         LTR,%
4540         maketitle,%
4541         Nastaliq,%
4542         newfontfamily,%
4543         Parsifont,%
4544         part,%
4545         RL,%
4546         RLE,%
4547         RTL,%
4548         RTLcases,%
4549         SepMark,%
4550         setLR,%
4551         setLTR,%
4552         setRL,%
4553         setRTL,%
4554         settextfont,%
4555         subsection,%
4556         subsubsection,%

```



```

4557     tableofcontents,%
4558     text,%
4559     theequation,%
4560     thesection,%
4561     true,%
4562     truesymbol,%
4563     XePersian,%
4564     xepersiandate,%
4565     xepersianversion%
4566 }%
4567 }
4568 \newcommand\HLON{%
4569   \gdef\lst@alloverstyle##1{%
4570     \fboxrule=Opt
4571     \fboxsep=Opt
4572     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
4573 }}
4574 \newcommand\HLOFF{%
4575   \xdef\lst@alloverstyle##1{##1}%
4576 }
4577 \newcommand\Larg [1]{\normalfont\itshape#1\}/}
4578 \newcommand\Larga[1]{$\langle$\Larg{#1}$\rangle$}
4579 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
4580 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
4581 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
4582 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}
4583 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}
4584
4585 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
4586 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
4587 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`{}}
4588 \DeclareRobustCommand\lsb{\normalfont\ttfamily[]}
4589 \DeclareRobustCommand\rsb{\normalfont\ttfamily]}
4590 \DeclareRobustCommand\lrb{\normalfont\ttfamily()}
4591 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}}
4592
4593 \def\Lcs#1{\nxLcs{#1}}
4594 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
4595 \def\nxLcs#1{\texttt{\symbol{92}#1}}
4596
4597 \def\Coordx#1{$x_{#1}$}
4598 \def\Coordy#1{$y_{#1}$}
4599 \def\Coordz#1{$z_{#1}$}
4600 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
4601 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
4602 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
4603 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
4604 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
4605 \def\coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
4606 \def\coordin{\Coordx{n},\kern 1pt\Coordy{n}}
4607 \def\coordiii#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
4608 \def\coordx#1{($x_{#1}$)}
4609 \def\coordy#1{($y_{#1}$)}
4610 \def\coordz#1{($z_{#1}$)}

```



```

4611 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
4612 \def\ciiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
4613
4614 \newsavebox{\boxdef}
4615 \newenvironment{BDef}
4616   {\begin{lrbox}\boxdef
4617     \def\arraystretch{1.0}
4618     \begin{tabular}{@{}l@{}l@{}l@{}}
4619   }
4620   {\end{tabular}\end{lrbox}
4621
4622   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
4623   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4624 }
4625
4626 \newenvironment{BDef*}
4627   {\begin{lrbox}\boxdef
4628     \def\arraystretch{1.0}
4629     \begin{tabular}{@{}l@{}l@{}l@{}}
4630   }
4631   {\end{tabular}\end{lrbox}
4632   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
4633   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4634 }
4635 \newenvironment{BCmd}{
4636   \@beginparpenalty-\@lowpenalty
4637   \topsep\BDefaboveskip
4638   \fbboxsep3pt
4639   \flushleft}
4640 {\@endparpenalty\@M
4641 \topsepadd\BDefbelowskip
4642 \endflushleft}
4643
4644 \newenvironment{BCmd*}{
4645   \@beginparpenalty\@M
4646   \topsep\BDefinlineskip
4647   \fbboxsep3pt
4648   \flushleft}
4649 {\@endparpenalty5000
4650 \endflushleft}
4651
4652 \newskip\BDefaboveskip
4653 \newskip\BDefbelowskip
4654 \newskip\BDefinlineskip
4655 \setlength\BDefaboveskip{10pt plus 4pt}
4656 \setlength\BDefbelowskip{6pt}
4657 \setlength\BDefinlineskip{6pt}
4658
4659 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
4660 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
4661 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
4662 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```



49 File bidiftnxtra.sty

```
4663 \NeedsTeXFormat{LaTeX2e}
4664 \ProvidesPackage{bidiftnxtra}
4665 \newtoks\bidip@p@ftn
4666 \let\FN@sf@@footnote\footnote
4667 \let\FN@sf@LTRfootnote\LTRfootnote
4668 \let\FN@sf@RTLfootnote\RTLfootnote
4669 \def\footnote{\ifx\protect\@typeset@protect
4670   \expandafter\FN@sf@@footnote
4671   \else
4672     \expandafter\FN@sf@gobble@opt
4673   \fi
4674 }
4675 \def\LTRfootnote{\ifx\protect\@typeset@protect
4676   \expandafter\FN@sf@LTRfootnote
4677   \else
4678     \expandafter\FN@sf@gobble@opt
4679   \fi
4680 }
4681 \def\RTLfootnote{\ifx\protect\@typeset@protect
4682   \expandafter\FN@sf@RTLfootnote
4683   \else
4684     \expandafter\FN@sf@gobble@opt
4685   \fi
4686 }
4687 \edef\FN@sf@gobble@opt{\noexpand\protect
4688   \expandafter\noexpand\csname FN@sf@gobble@opt \endcsname}
4689 \expandafter\def\csname FN@sf@gobble@opt \endcsname{%
4690   \@ifnextchar[%]
4691     \FN@sf@gobble@twobrace
4692     \@gobble
4693 }
4694 \def\FN@sf@gobble@twobrace[#1]#2{
4695   \let\FN@sf@@footnotemark\footnotemark
4696   \def\footnotemark{\ifx\protect\@typeset@protect
4697     \expandafter\FN@sf@@footnotemark
4698     \else
4699       \expandafter\FN@sf@gobble@optonly
4700     \fi
4701 }
4702 \edef\FN@sf@gobble@optonly{\noexpand\protect
4703   \expandafter\noexpand\csname FN@sf@gobble@optonly \endcsname}
4704 \expandafter\def\csname FN@sf@gobble@optonly \endcsname{%
4705   \@ifnextchar[%]
4706     \FN@sf@gobble@bracket
4707     {}%
4708 }
4709 \def\FN@sf@gobble@bracket[#1]{}
```

```
4710 \def\@tabular{%
4711   \leavevmode \hbox \bgroup
4712   \let\@footnotetext\bidip@p@ftntext
4713   \let\@LTRfootnotetext\bidip@p@LTRftntext
4714   \let\@RTLfootnotetext\bidip@p@RTLftntext
```



```

4715 \let\@xfootnotenext\@bidi@p@xftntext
4716 \let\@xfootnote\@bidi@p@xfootnote
4717 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4718 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4719 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4720 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4721 \if@RTLtab\beginR \fi
4722 $\let\@acol\@tabacol
4723 \let\@classz\@tabclassz
4724 \let\@classiv\@tabclassiv \let\\\@tabularcrr\@tabarray}
4725 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
4726 \egroup $\if@RTLtab\endR\fi\egroup
4727 \ifx\@cctype\@undefined
4728 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
4729 \long\def\@bidi@p@ftntext#1{%
4730 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
4731 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
4732 \long\def\@bidi@p@LTRftntext#1{%
4733 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
4734 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
4735 \long\def\@bidi@p@RTLftntext#1{%
4736 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
4737 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
4738
4739
4740 \long\def\@bidi@p@xftntext[#1]#2{%
4741 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
4742
4743 \long\def\@bidi@p@xLTRftntext[#1]#2{%
4744 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
4745
4746 \long\def\@bidi@p@xRTLftntext[#1]#2{%
4747 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
4748
4749
4750 \def\@bidi@p@xfootnote[#1]{%
4751 \begingroup
4752 \csname c@\@mpfn\endcsname #1\relax
4753 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4754 \endgroup
4755 \@footnotemark\@bidi@p@xftntext[#1]}
4756
4757
4758 \def\@bidi@p@xLTRfootnote[#1]{%
4759 \begingroup
4760 \csname c@\@mpfn\endcsname #1\relax
4761 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4762 \endgroup
4763 \@footnotemark\@bidi@p@xLTRftntext[#1]}
4764
4765
4766 \def\@bidi@p@xRTLfootnote[#1]{%
4767 \begingroup
4768 \csname c@\@mpfn\endcsname #1\relax

```




```

4769     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4770 \endgroup
4771 \@footnotemark\@bidi@p@xRTLftntext[#1]}
4772
4773 \def\@xfloat #1[#2]{%
4774 \@nodocument
4775 \def \@capttype {#1}%
4776 \def \@fps {#2}%
4777 \@onelevel@sanitize \@fps
4778 \def \reserved@a {!}%
4779 \ifx \reserved@a \@fps
4780 \@fpsaddddefault
4781 \else
4782 \ifx \@fps \@empty
4783 \@fpsaddddefault
4784 \fi
4785 \fi
4786 \ifhmode
4787 \@bsphack
4788 \@floatpenalty -\@Mii
4789 \else
4790 \@floatpenalty-\@Miii
4791 \fi
4792 \ifinner
4793 \@parmoderr\@floatpenalty\z@
4794 \else
4795 \@next\@currbox\@freelist
4796 {%
4797 \@tempcnta \sixt@@n
4798 \expandafter \@tfor \expandafter \reserved@a
4799 \expandafter :\expandafter =\@fps
4800 \do
4801 {%
4802 \if \reserved@a h%
4803 \ifodd \@tempcnta
4804 \else
4805 \advance \@tempcnta \@ne
4806 \fi
4807 \fi
4808 \if \reserved@a t%
4809 \setfpsbit \tw@
4810 \fi
4811 \if \reserved@a b%
4812 \setfpsbit 4%
4813 \fi
4814 \if \reserved@a p%
4815 \setfpsbit 8%
4816 \fi
4817 \if \reserved@a !%
4818 \ifnum \@tempcnta>15
4819 \advance\@tempcnta -\sixt@@n\relax
4820 \fi
4821 \fi
4822 }%

```



```

4823     \@tempcntb \csname ftype@\@capttype \endcsname
4824     \multiply \@tempcntb \@xxxii
4825     \advance \@tempcnta \@tempcntb
4826     \global \count\@currbox \@tempcnta
4827     }%
4828     \@fltovf
4829     \fi
4830     \global \setbox\@currbox
4831     \color@vbox
4832     \normalcolor
4833     \vbox \bgroup
4834     \let\@footnotetext\@bidi@p@ftntext
4835     \let\@LTRfootnotetext\@bidi@p@LTRftntext
4836     \let\@RTLfootnotetext\@bidi@p@RTLftntext
4837     \let\@xfootnotenext\@bidi@p@xftntext
4838     \let\@xfootnote\@bidi@p@xfootnote
4839     \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4840     \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4841     \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4842     \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4843     \hsize\columnwidth
4844     \@parboxrestore
4845     \@floatboxreset
4846 }
4847 \def \@endfloatbox{%
4848     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
4849     \@minipagefalse
4850     \outer@nobreak
4851     \egroup                %% end of vbox
4852     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
4853     \color@endbox
4854 }

```

50 File bidimoderncv.cls

```

4855 \NeedsTeXFormat{LaTeX2e}
4856 \ProvidesClass{bidimoderncv}
4857 \newif\if@DEBUG\@DEBUGfalse
4858 \DeclareOption{a4paper}{
4859     \setlength\paperheight{297mm}
4860     \setlength\paperwidth{210mm}}
4861 \DeclareOption{a5paper}{
4862     \setlength\paperheight{210mm}
4863     \setlength\paperwidth{148mm}}
4864 \DeclareOption{b5paper}{
4865     \setlength\paperheight{250mm}
4866     \setlength\paperwidth{176mm}}
4867 \DeclareOption{letterpaper}{
4868     \setlength\paperheight{11in}
4869     \setlength\paperwidth{8.5in}}
4870 \DeclareOption{legalpaper}{
4871     \setlength\paperheight{14in}
4872     \setlength\paperwidth{8.5in}}
4873 \DeclareOption{executivepaper}{

```



```

4874 \setlength\paperheight{10.5in}
4875 \setlength\paperwidth{7.25in}}
4876 \DeclareOption{landscape}{
4877   \setlength\@tempdima{\paperheight}
4878   \setlength\paperheight{\paperwidth}
4879   \setlength\paperwidth{\@tempdima}}
4880 \newcommand\@ptsize{}
4881 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
4882 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
4883 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
4884 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
4885 \DeclareOption{final}{\setlength\overfullrule{0pt}}
4886 \newif\if@colour\@colourtrue
4887 \DeclareOption{nocolour}{\@colourfalse}
4888 \ExecuteOptions{a4paper,11pt,colour,final}
4889 \ProcessOptions\relax
4890 \input{size1\@ptsize.clo}
4891 \RequirePackage{color}
4892 \RequirePackage{graphicx}
4893 \RequirePackage{ifthen}
4894 \RequirePackage{marvosym}
4895 \addtolength{\oddsidemargin}{-54pt}
4896 \addtolength{\textwidth}{109pt}
4897 \addtolength{\topmargin}{-70pt}
4898 \addtolength{\textheight}{122pt}
4899 \addtolength{\marginparsep}{-5pt}
4900 \addtolength{\marginparwidth}{-10pt}
4901 \RequirePackage{url}
4902 \RequirePackage{hyperref}
4903 \hypersetup{%
4904   breaklinks,
4905   baseurl      = http://,%
4906   pdfborder    = 0 0 0,%
4907   pdfpagemode  = UseNone,%
4908   pdfstartpage = 1}
4909 \AtEndOfClass{%
4910   \AtBeginDocument{%
4911     \hypersetup{%
4912       pdfauthor    = \@firstname~\@familyname,%
4913       pdftitle     = \@title,%
4914       pdfsubject   = \@firstname~\@familyname,%
4915       pdfkeywords  = \@resumename~\@firstname~\@familyname}}}}
4916 \urlstyle{tt}
4917 \RequirePackage{fancyhdr}
4918 \fancypagestyle{plain}{%
4919   \renewcommand{\headrulewidth}{0pt}
4920   \renewcommand{\footrulewidth}{0pt}
4921   \fancyhf{}}
4922 \pagestyle{plain}
4923 \setlength\lineskip{1\p@}
4924 \setlength\normallineskip{1\p@}
4925 \renewcommand\baselinestretch{}
4926 \setlength{\parindent}{0pt}
4927 \setlength{\parskip}{0pt}

```



```

4928 \setlength\columnsep{10\p@}
4929 \setlength\columnseprule{0\p@}
4930 \pagestyle{empty}
4931 \pagenumbering{arabic}
4932 \raggedbottom
4933 \onecolumn
4934 \providecommand*\listitemsymbol{\textbullet}
4935 \providecommand*\addresssymbol{}
4936 \providecommand*\mobilesymbol{\Mobilefone}
4937 \providecommand*\phonesymbol{\Telefon}
4938 \providecommand*\faxsymbol{\FAX}
4939 \providecommand*\emailsymbol{\Letter}
4940 \definecolor{firstnamecolour}{rgb}{0,0,0}
4941 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
4942 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
4943 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
4944 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
4945 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
4946 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
4947 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
4948 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
4949 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
4950 \providecommand*\firstnamefont{}
4951 \providecommand*\familynamefont{}
4952 \providecommand*\titlefont{}
4953 \providecommand*\addressfont{}
4954 \providecommand*\quotefont{}
4955 \providecommand*\sectionfont{}
4956 \providecommand*\subsectionfont{}
4957 \providecommand*\hintfont{\small}
4958 \providecommand*\firstnamestyle[1]{\{\@firstnamefont\@firstnamecolour#1}}
4959 \providecommand*\familynamestyle[1]{\{\@familynamefont\@familynamecolour#1}}
4960 \providecommand*\titlestyle[1]{\{\@titlefont\@titlecolour#1}}
4961 \providecommand*\addresstyle[1]{\{\@addressfont\@addresscolour#1}}
4962 \providecommand*\quotestyle[1]{\{\@quotefont\@quotecolour#1}}
4963 \providecommand*\sectionstyle[1]{\{\@sectionfont\@sectiontitlecolour#1}}
4964 \providecommand*\subsectionstyle[1]{\{\@subsectionfont\@subsectioncolour#1}}
4965 \providecommand*\hintstyle[1]{\{\@hintfont\@hintcolour#1}}
4966 \newcommand*{cvtheme}[2][{}
4967 \def\@cvtheme{#2}
4968 \def\@cvthemeoptions{#1}}
4969 \cvtheme{bidi-casual}
4970 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
4971 \newcommand*\resumename[1]{\def\@resumename{#1}}
4972 \newcommand*\firstname[1]{\def\@firstname{#1}}
4973 \newcommand*\familyname[1]{\def\@familyname{#1}}
4974 \renewcommand*\title[1]{\def\@title{#1}}
4975 \newcommand*\address[1]{\def\@address{#1}}
4976 \newcommand*\mobile[1]{\def\@mobile{#1}}
4977 \newcommand*\phone[1]{\def\@phone{#1}}
4978 \renewcommand*\fax[1]{\def\@fax{#1}}
4979 \newcommand*\email[1]{\def\@email{#1}}
4980 \newcommand*\extrainfo[1]{\def\@extrainfo{#1}}
4981 \def\@photowidth{0pt}

```



```

4982 \newcommand*\photo}[2][64pt]{\def\photowidth{#1}\def\photo{#2}}
4983 \newcommand*\quote}[1]{\def\quote{#1}}
4984 \newlength\quotewidth
4985 \newlength\hintscolumnwidth
4986 \newlength\separatorcolumnwidth
4987 \setlength\separatorcolumnwidth{0.025\textwidth}
4988 \newlength\maincolumnwidth
4989 \newlength\doubleitemmaincolumnwidth
4990 \newlength\listitemsymbolwidth
4991 \settozero\listitemsymbolwidth{\listitemsymbol{}}
4992 \newlength\listitemmaincolumnwidth
4993 \newlength\listdoubleitemmaincolumnwidth
4994 \newcommand*\recomputethemelengths{}
4995 \newcommand*\recomputelengths{%
4996 \setlength\quotewidth{0.65\textwidth}%
4997 \setlength\maincolumnwidth{\textwidth}%
4998 \addtolength\maincolumnwidth{-\separatorcolumnwidth}%
4999 \addtolength\maincolumnwidth{-\hintscolumnwidth}%
5000 \setlength\listitemmaincolumnwidth{\maincolumnwidth}%
5001 \addtolength\listitemmaincolumnwidth{-\listitemsymbolwidth}%
5002 \setlength\doubleitemmaincolumnwidth{\maincolumnwidth}%
5003 \addtolength\doubleitemmaincolumnwidth{-\hintscolumnwidth}%
5004 \addtolength\doubleitemmaincolumnwidth{-\separatorcolumnwidth}%
5005 \setlength\doubleitemmaincolumnwidth{0.5\doubleitemmaincolumnwidth}%
5006 \setlength\listdoubleitemmaincolumnwidth{\maincolumnwidth}%
5007 \addtolength\listdoubleitemmaincolumnwidth{-\listitemsymbolwidth}%
5008 \setlength\listdoubleitemmaincolumnwidth{0.475\listdoubleitemmaincolumnwidth}%
5009 \renewcommand\headwidth{\textwidth}%
5010 \recomputethemelengths}
5011 \setlength\hintscolumnwidth{0.15\textwidth}
5012 \recomputelengths
5013 \title{}
5014 \renewcommand\maketitle{}
5015 \newcommand\section}[1]{%
5016 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
5017 \phantomsection}%
5018 \addcontentsline{toc}{part}{#1}%
5019 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
5020 \hspace\separatorcolumnwidth}%
5021 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\}[1ex]}
5022 \newcommand\subsection}[1]{%
5023 \cvline[0.45em]{\subsectionstyle{#1}}
5024 \newcommand\cvline}[3][.25em]{%
5025 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace\separatorcolumnwidth}}p{\maincolumnwidth}
5026 \bidi@raggedleft\hintfont{#2} &{#3}%
5027 \end{tabular}\}[#1]}
5028 \newcommand\cvdoubleitem}[4]{%
5029 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
5030 \hfill%
5031 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{
5032 \newcommand\cvlistitem}[2][\listitemsymbol]{%
5033 \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}
5034 \newcommand\cvlistdoubleitem}[3][\listitemsymbol]{%
5035 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%

```



```

5036 \hfill%
5037 \ifthenelse{\equal{#3}{}}%
5038   {}%
5039   {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}}
5040 \newcommand*{\cventry}[6]{%
5041   \cvline{#1}{%
5042     {\bfseries#2}%
5043     \ifx#3\else{, {\slshape#3}}\fi%
5044     \ifx#4\else{, #4}\fi%
5045     \ifx#5\else{, #5}\fi%
5046     .%
5047     \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
5048   }%
5049 \newcommand*{\cvlanguage}[3]{%
5050   \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}\textbf{#3}\end{minipage}}
5051 \newcommand*{\cvcomputer}[4]{%
5052   \cdoubleitem{#1}{\small#2}{#3}{\small#4}}
5053 \newcommand*{\link}[2] [] {%
5054   \ifthenelse{\equal{#1}{}}%
5055     {\href{#2}{#2}}%
5056     {\href{#2}{#1}}}
5057 \newcommand*{\httplink}[2] [] {%
5058   \ifthenelse{\equal{#1}{}}%
5059     {\href{http://#2}{#2}}%
5060     {\href{http://#2}{#1}}}
5061 \newcommand*{\emailink}[2] [] {%
5062   \ifthenelse{\equal{#1}{}}%
5063     {\href{mailto:#2}{#2}}%
5064     {\href{mailto:#2}{#1}}}
5065 \newif\if@displaypagenumbers\@displaypagenumberstrue
5066 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
5067 \AtBeginDocument{%
5068   \if@displaypagenumbers%
5069     \ifundefined{r@lastpage}{}%
5070     \ifthenelse{\pageref{lastpage} > 1}{%
5071       \fancypagestyle{plain}{%
5072         \fancyfoot [r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref{lastpage}}
5073       \pagestyle{plain}}}%
5074   \AtEndDocument{\label{lastpage}}%
5075   \fi}
5076 \newlength{\bibindent}
5077 \setlength{\bibindent}{1.5em}
5078 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
5079 \newenvironment{thebibliography}[1]{%
5080   {%
5081     \section{\refname}%
5082     \small%
5083     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5084     \bidi@thebibliography@font@hook%
5085     \begin{list}{\bibliographyitemlabel}%
5086       {%
5087         \setlength{\topsep}{0pt}%
5088         \setlength{\labelwidth}{\hintscolumnwidth}%
5089         \setlength{\labelsep}{\separatorcolumnwidth}%

```



```

5090     \leftmargin\labelwidth%
5091     \advance\leftmargin\labelsep%
5092     \@openbib@code%
5093     \usecounter{enumiv}%
5094     \let\p@enumiv\@empty%
5095     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
5096     \sloppy\clubpenalty4000\widowpenalty4000%
5097 }%
5098 {%
5099     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
5100     \end{list}%
5101 }
5102 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
5103 \let\@openbib@code\@empty

```

51 File bidi-perpage.sty

```

5104 \NeedsTeXFormat{LaTeX2e}
5105 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
5106 \newcount\bidi@page@count
5107 \bidi@page@count\@ne
5108 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
5109   \if@bidi@csundef\bidi@stepcounterhook@#2}{%
5110     \expandafter\gdef\csname bidi@stepcounterhook@#2\endcsname{}%
5111   }{}%
5112   \if@bidi@csundef\if@bidi@reset@#2@rerun}{%
5113     \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
5114   }{}%
5115   \if@bidi@csundef\bidi@#2@count}{%
5116     \expandafter\newcount\csname bidi@#2@count\endcsname
5117   }{}%
5118   \csname bidi@#2@count\endcsname\z@
5119   \if@bidi@csundef\bidi@previous@page@#2@count}{%
5120     \expandafter\newcount\csname
5121       bidi@previous@page@#2@count\endcsname
5122   }{}%
5123   \csname bidi@previous@page@#2@count\endcsname\z@
5124   \if@bidi@csundef\bidi@reset@#2@perpage}{%
5125     \bidi@AfterEndDocumentCheckLabelsRerun{%
5126       \csname if@bidi@reset@#2@rerun\endcsname
5127       \PackageWarningNoLine{bidi-perpage}{%
5128         Counter `#2' may not have been reset per page.
5129         Rerun to reset counter `#2' per page%
5130       }%
5131     }%
5132   }%
5133 }{}%
5134 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
5135   \global\advance\csname bidi@#2@count\endcsname\@ne
5136   \if@filesw
5137     \edef\@tempa{%
5138       \write\@auxout{%
5139         \string\bidi@counter@page{#2}%
5140         {\number\csname bidi@#2@count\endcsname}%

```



```

5141         {\noexpand\number\noexpand\bidi@page@count}%
5142     }%
5143 }%
5144 \@tempa
5145 \fi
5146 \begingroup\expandafter\expandafter\expandafter\endgroup
5147 \expandafter\ifx\csname bidi@#2@@\number\csname
5148 bidi@#2@count\endcsname\endcsname\relax
5149 \global\csname @bidi@reset@#2@reruntrue\endcsname
5150 \else
5151 \global\csname @bidi@reset@#2@rerunfalse\endcsname
5152 \expandafter\@tempcnta\csname bidi@#2@@\number
5153 \csname bidi@#2@count\endcsname\endcsname\relax
5154 \ifnum\@tempcnta=\csname
5155 bidi@previous@page@@#2@count\endcsname
5156 \else
5157 \global\csname
5158 bidi@previous@page@@#2@count\endcsname\@tempcnta
5159 \global\csname c@#2\endcsname#1\relax
5160 \fi
5161 \fi
5162 }%
5163 \expandafter\bidi@gappto\csname
5164 bidi@stepcounterhook@@#2\endcsname{%
5165 \csname bidi@reset@#2@perpage\endcsname
5166 }%
5167 }
5168 \def\bidi@counter@page#1#2#3{\bidi@namegdef\bidi@#1@@#2}{#3}}
5169 \bidi@AtEndOutputPage{%
5170 \global\advance\bidi@page@count\@ne
5171 }

```

52 File biditools.sty

```

5172 \NeedsTeXFormat{LaTeX2e}
5173 \ProvidesPackage{biditools}[2022/06/15 v2.3 Programming tools for bidi package]
5174 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
5175 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
5176 \ifx\@tempa\@tempb \global\let#2#1%
5177 \else
5178 \edef\@tempb{\meaning#2}%
5179 \ifx\@tempa\@tempb
5180 \else
5181 \latex@error{Unable to properly define \string#2; primitive
5182 \noexpand#1no longer primitive}\@eha
5183 \fi
5184 \fi
5185 \endgroup}
5186 \newtoks\@bidi@envbody
5187 \newtoks\@bidi@emptytoks
5188 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5189 \def\bidi@collect@body#1{%
5190 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5191 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%

```




```

5192 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5193 \begingroup
5194 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@@body
5195 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
5196 \bidi@process@envbody
5197 }
5198 \def\bidi@push@begins#1\begin#2{%
5199 \ifx\end#2\else b\expandafter\bidi@push@begins\fi
5200 }
5201 \def\bidi@collect@@body#1\end#2{%
5202 \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack
5203 \ifx\@empty\begin@bidi@stack
5204 \endgroup
5205 \@checkend{#2}%
5206 \bidi@addto@envbody{#1}%
5207 \else
5208 \bidi@addto@envbody{#1\end{#2}}%
5209 \fi
5210 \bidi@process@envbody % A little tricky! Note the grouping
5211 }
5212 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5213 \long\def\bidi@collect@long@body#1{%
5214 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5215 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
5216 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5217 \begingroup
5218 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@long@@body
5219 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
5220 \bidi@process@envbody
5221 }
5222 \long\def\bidi@push@long@begins#1\begin#2{%
5223 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
5224 }
5225 \long\def\bidi@collect@long@@body#1\end#2{%
5226 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@
5227 \ifx\@empty\begin@bidi@stack
5228 \endgroup
5229 \@checkend{#2}%
5230 \bidi@addto@long@envbody{#1}%
5231 \else
5232 \bidi@addto@long@envbody{#1\end{#2}}%
5233 \fi
5234 \bidi@process@envbody % A little tricky! Note the grouping
5235 }
5236 \long\def\bidi@new@ifnextchar#1#2#3{%
5237 \let\reserved@d= #1%
5238 \def\reserved@a{#2}\def\reserved@b{#3}%
5239 \futurelet\@let@token\bidi@new@ifnch
5240 }
5241 \def\bidi@new@ifnch{%
5242 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
5243 \reserved@b
5244 }
5245 \def\bidi@matrix@check#1{%

```



```

5246 \expandafter\ifx\csname\@currentenv\endcsname#1%
5247 \else\bidimatrix@error#1%
5248   \expandafter@gobble
5249   \fi
5250 }
5251 \def\bidimatrix@error#1{%
5252   \PackageError{biditools}{%
5253 Old form '\string#1' should be \string\begin{\expandafter@gobble\string#1}%
5254   }{%
5255 '\string#1{...}' is old bidi package syntax whose use is
5256 ill-advised in the old versions of bidi package.%
5257   }%
5258 }
5259 \def\@tagsextension{clo}
5260 \def\@definitionfileextension{def}
5261 \def\@texfileextension{tex}
5262 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
5263 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
5264 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
5265 \def\eqnewif#1#2{%
5266   \count@ \escapechar \escapechar \m@ne
5267   \let#1\iffalse
5268   \let#2\iffalse
5269   \eq@if#1#2\iftrue
5270   \eq@if#1#2\iffalse
5271   \escapechar \count@}
5272 \def\eq@if#1#2#3{%
5273   \expandafter\def\csname\expandafter@gobbletwo\string#1%
5274     \expandafter@gobbletwo\string#3\endcsname
5275     {\let#1#3%
5276     \let#2#3}%
5277   \expandafter\def\csname\expandafter@gobbletwo\string#2%
5278     \expandafter@gobbletwo\string#3\endcsname
5279     {\let#2#3%
5280     \let#1#3}}
5281 \def\noteqnewif#1#2{%
5282   \count@ \escapechar \escapechar \m@ne
5283   \let#1\iffalse
5284   \let#2\iffalse
5285   \not@eq@if#1#2\iftrue\iffalse
5286   \escapechar \count@}
5287 \def\noteq@if#1#2#3#4{%
5288   \expandafter\def\csname\expandafter@gobbletwo\string#1%
5289     \expandafter@gobbletwo\string#3\endcsname
5290     {\let#1#3%
5291     \let#2#4}%
5292   \expandafter\def\csname\expandafter@gobbletwo\string#1%
5293     \expandafter@gobbletwo\string#4\endcsname
5294     {\let#1#4%
5295     \let#2#3}%
5296   \expandafter\def\csname\expandafter@gobbletwo\string#2%
5297     \expandafter@gobbletwo\string#3\endcsname
5298     {\let#2#3%
5299     \let#1#4}%

```



```

5300 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5301 \expandafter@gobbletwo\string#4\endcsname
5302     {\let#2#4%
5303     \let#1#3}}
5304 \newcommand*\SetBoolean}[2]{%
5305 \lowercase{\def\@tempa{#2}}%
5306 \@ifundefined{@tempwa\@tempa}%
5307     {\PackageError{biditools}%
5308     {You can only set a boolean to `true' or `false'}\@ehc}%
5309     {\@ifundefined{#1\@tempa}%
5310     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5311     {\csname#1\@tempa\endcsname}}}
5312 \newcommand*\GlobalSetBoolean}[2]{%
5313 \lowercase{\def\@tempa{#2}}%
5314 \@ifundefined{@tempwa\@tempa}%
5315     {\PackageError{biditools}%
5316     {You can only set a boolean to `true' or `false'}\@ehc}%
5317     {\@ifundefined{#1\@tempa}%
5318     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5319     {\global\csname#1\@tempa\endcsname}}}
5320 \newcommand*\SetatBoolean}[2]{%
5321 \lowercase{\def\@tempa{#2}}%
5322 \@ifundefined{@tempwa\@tempa}%
5323     {\PackageError{biditools}%
5324     {You can only set a boolean to `true' or `false'}\@ehc}%
5325     {\@ifundefined{@#1\@tempa}%
5326     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5327     {\csname @#1\@tempa\endcsname}}}
5328 \newcommand*\GlobalSetatBoolean}[2]{%
5329 \lowercase{\def\@tempa{#2}}%
5330 \@ifundefined{@tempwa\@tempa}%
5331     {\PackageError{biditools}%
5332     {You can only set a boolean to `true' or `false'}\@ehc}%
5333     {\@ifundefined{@#1\@tempa}%
5334     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5335     {\global\csname @#1\@tempa\endcsname}}}
5336 \def\@bidi@removefromreset#1#2{%
5337 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
5338 \def\@elt##1{%
5339 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
5340 \else
5341 \noexpand\@elt{##1}%
5342 \fi}%
5343 \expandafter\xdef\csname cl@#2\endcsname{%
5344 \csname cl@#2\endcsname}}}
5345 \newcommand*\ifRtoL{%
5346 \if@RTL
5347 \expandafter\@firstoftwo
5348 \else
5349 \expandafter\@secondoftwo
5350 \fi}
5351 \newcommand*\ifLtoR{%
5352 \if@RTL
5353 \expandafter\@secondoftwo

```



```

5354 \else
5355   \expandafter\@firstoftwo
5356 \fi}
5357 \newcommand*\ifRtoLtable}{%
5358 \if@RTLtab
5359   \expandafter\@firstoftwo
5360 \else
5361   \expandafter\@secondoftwo
5362 \fi}
5363 \newcommand*\ifLtoRtable}{%
5364 \if@RTLtab
5365   \expandafter\@secondoftwo
5366 \else
5367   \expandafter\@firstoftwo
5368 \fi}
5369 \newcommand*\ifRtoLhboxconstruct}{%
5370 \if@hboxRconstruct
5371   \expandafter\@firstoftwo
5372 \else
5373   \expandafter\@secondoftwo
5374 \fi}
5375 \newcommand*\ifLtoRhboxconstruct}{%
5376 \if@hboxRconstruct
5377   \expandafter\@secondoftwo
5378 \else
5379   \expandafter\@firstoftwo
5380 \fi}
5381 \newcommand*\iflatin}{%
5382 \if@nonlatin
5383   \expandafter\@secondoftwo
5384 \else
5385   \expandafter\@firstoftwo
5386 \fi}
5387 \newcommand*\ifnonlatin}{%
5388 \if@nonlatin
5389   \expandafter\@firstoftwo
5390 \else
5391   \expandafter\@secondoftwo
5392 \fi}
5393
5394 \newcommand*\bidi@convert@dimen@t@unit}[2]{%
5395   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
5396
5397 \newcommand*\bidi@convert@dimen@t@pt}[1]{%
5398   \dimexpr #1*65536/\dimexpr 1pt\relax}
5399
5400 \newcommand*\if@bidi@csdef}[1]{%
5401   \ifcsname#1\endcsname
5402   \expandafter\@firstoftwo
5403 \else
5404   \expandafter\@secondoftwo
5405 \fi}
5406 \newcommand*\if@bidi@csundef}[1]{%
5407   \ifcsname#1\endcsname

```



```

5408 \expandafter\ifx\csname#1\endcsname\relax
5409 \expandafter\expandafter
5410 \expandafter\@firstoftwo
5411 \else
5412 \expandafter\expandafter
5413 \expandafter\@secondoftwo
5414 \fi
5415 \else
5416 \expandafter\@firstoftwo
5417 \fi}
5418 \newcommand{\if@bidi@def}[1]{%
5419 \ifdefined#1%
5420 \expandafter\@firstoftwo
5421 \else
5422 \expandafter\@secondoftwo
5423 \fi}
5424 \newcommand{\if@bidi@undef}[1]{%
5425 \ifdefined#1%
5426 \ifx#1\relax
5427 \expandafter\expandafter
5428 \expandafter\@firstoftwo
5429 \else
5430 \expandafter\expandafter
5431 \expandafter\@secondoftwo
5432 \fi
5433 \else
5434 \expandafter\@firstoftwo
5435 \fi}
5436 \newcommand{\if@bidi@blank}[1]{% from url.sty
5437 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
5438 \long\def\bidi@ifblank@i#1#2&#3#4#5:#{#4}
5439 \newcommand{\bidi@notblank}[1]{%
5440 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
5441 \newcommand{\if@bidi@defmacro}{%
5442 \long\edef\if@bidi@defmacro#1{%
5443 \noexpand\expandafter\noexpand\bidi@ifdefmacro
5444 \noexpand\meaning#1\detokenize{macro}:&}
5445 \edef\bidi@ifdefmacro{%
5446 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
5447 \bidi@ifdefmacro{\bidi@notblank{#2}}
5448 \newcommand*{\if@bidi@csmacro}[1]{%
5449 \if@bidi@csdef{#1}
5450 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
5451 {\@secondoftwo}}
5452 \newcommand{\if@bidi@defprimitive}[1]{%
5453 \ifprimitive#1%
5454 \expandafter\@firstoftwo
5455 \else
5456 \expandafter\@secondoftwo
5457 \fi}
5458 \newcommand{\if@bidi@csprimitive}[1]{%
5459 \begingroup\expandafter\expandafter\expandafter\endgroup%
5460 \expandafter\ifprimitive\csname#1\endcsname%
5461 \expandafter\@firstoftwo

```



```

5462 \else
5463   \expandafter\@secondoftwo
5464 \fi}
5465 \newcommand*{\bidi@csdefcs}[2]{%
5466 \expandafter\@ifdefinable \csname#1\endcsname{%
5467 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
5468 \newcommand*{\bidi@csletcs}[2]{%
5469 \expandafter\@ifdefinable \csname#1\endcsname{%
5470 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
5471 \newcommand*{\bidi@cslet}[2]{%
5472 \expandafter\@ifdefinable \csname#1\endcsname{%
5473 \expandafter\let\csname#1\endcsname#2}}
5474 \newcommand{\bidi@namelongdef}[1]{%
5475 \long\expandafter\def\csname #1\endcsname}
5476 \newcommand{\bidi@namelonggdef}[1]{%
5477 \long\expandafter\gdef\csname #1\endcsname}
5478 \newcommand{\bidi@namelongedef}[1]{%
5479 \long\expandafter\edef\csname #1\endcsname}
5480 \newcommand{\bidi@namelongxdef}[1]{%
5481 \long\expandafter\xdef\csname #1\endcsname}
5482 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
5483 \def\bidi@ensure@new@command#1{%
5484 \begingroup \escapechar\m@ne\xdef\@tempa{\string#1}\endgroup
5485 \expandafter\if\bidi@csundef\@tempa
5486 {\new@command#1}{\relax%
5487 \let\@ifdefinable\rc@ifdefinable%
5488 \new@command#1}}
5489 \def\bidi@ensure@newlength#1{\if\bidi@undef#1{\newskip#1}{}}
5490
5491 \protected\def\bidi@error{\PackageError{bidi}}
5492 \protected\def\bidi@warning{\PackageWarning{bidi}}
5493 \protected\def\bidi@info{\PackageInfo{bidi}}
5494
5495 \def\bidi@pos#1#2#3#4{\bidi@namegdef{bidi@#1pos@#2@#3}{#4}}
5496
5497 \newcount\bidi@poscount
5498
5499 \newcommand*{\WriteStartXPostoaux}{%
5500 \global\advance\bidi@poscount\@ne
5501 \edef\@tempa{%
5502 \write\@auxout{%
5503 \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
5504 }%
5505 }%
5506 \ifvmode
5507 \leavevmode
5508 \fi
5509 \if@RTL
5510 \if@files@w
5511 \@tempa
5512 \fi
5513 \pdfsavepos
5514 \else
5515 \pdfsavepos

```



```

5516 \if@filesw
5517 \@tempa
5518 \fi
5519 \fi
5520 \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
5521 \PackageWarningNoLine{biditools}{%
5522 The start x position `\

```



```

5570 \if@filesw
5571 \@tempa
5572 \fi
5573 \fi
5574 \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
5575 \PackageWarningNoLine{biditools}{%
5576 The start y position `\

```




```

5624 \pdfsavepos
5625 \else
5626 \pdfsavepos
5627 \if@filesw
5628 \@tempa
5629 \fi
5630 \fi
5631 \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{-%
5632 \PackageWarningNoLine{biditools}{-%
5633 The start x position ` \number\bidi@poscount' is not known yet.
5634 Rerun to get this x position%
5635 }-%
5636 }{-%
5637 \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{-%
5638 \PackageWarningNoLine{biditools}{-%
5639 The start y position ` \number\bidi@poscount' is not known yet.
5640 Rerun to get this y position%
5641 }-%
5642 }{-%
5643 }
5644
5645 \newcommand*{\WriteEndXYPostoaux}{-%
5646 \edef\@tempa{%
5647 \write\@auxout{%
5648 \string\bidi@pos{x}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
5649 }%
5650 \write\@auxout{%
5651 \string\bidi@pos{y}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflasty
5652 }%
5653 }%
5654 \if@RTL
5655 \if@filesw
5656 \@tempa
5657 \fi
5658 \pdfsavepos
5659 \else
5660 \pdfsavepos
5661 \if@filesw
5662 \@tempa
5663 \fi
5664 \fi
5665 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{-%
5666 \PackageWarningNoLine{biditools}{-%
5667 The end x position ` \number\bidi@poscount' is not known yet.
5668 Rerun to get this x position%
5669 }-%
5670 }{-%
5671 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{-%
5672 \PackageWarningNoLine{biditools}{-%
5673 The end y position ` \number\bidi@poscount' is not known yet.
5674 Rerun to get this y position%
5675 }-%
5676 }{-%
5677 }

```



```

5678
5679 \newcommand*{\currentposxwidth}{%
5680   \if@bidi@csundef{bidi@xpos@@end@number\bidi@poscount}{\z@}
5681   {%
5682     \ifnum\csname bidi@xpos@@start@number\bidi@poscount
5683     \endcsname < \csname bidi@xpos@@end@number\bidi@poscount
5684     \endcsname
5685     \dimexpr \csname bidi@xpos@@end@number\bidi@poscount
5686     \endcsname sp - \csname bidi@xpos@@start@number\bidi@poscount
5687     \endcsname sp\relax
5688   \else
5689     \dimexpr \csname bidi@xpos@@start@number\bidi@poscount
5690     \endcsname sp - \csname bidi@xpos@@end@number\bidi@poscount
5691     \endcsname sp\relax
5692   \fi
5693   }%
5694 }
5695
5696 \newcommand*{\currentposyheight}{%
5697   \if@bidi@csundef{bidi@ypos@@end@number\bidi@poscount}{\z@}
5698   {%
5699     \dimexpr \csname bidi@ypos@@start@number\bidi@poscount
5700     \endcsname sp - \csname bidi@ypos@@end@number\bidi@poscount
5701     \endcsname sp\relax
5702   }%
5703 }
5704
5705
5706
5707 \newcommand*{\setbaselineskip}[1]{%
5708   \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
5709   \selectfont
5710 }
5711
5712
5713 \newcommand*{\bidi@newrobustcmd}{%
5714 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
5715
5716 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
5717
5718 \def\bidi@newcommand#1[#2]{%
5719   \@ifnextchar[%]
5720   {\bidi@xargdef#1[#2]}
5721   {\ifx\l@ngrel@x\relax
5722     \let\l@ngrel@x\protected
5723     \else
5724     \protected\def\l@ngrel@x{\protected\long}%
5725     \fi
5726     \@argdef#1[#2]}}
5727
5728 \long\def\bidi@xargdef#1[#2][#3]#4{%
5729   \@ifdefinable#1{%
5730     \expandafter\protected
5731     \expandafter\def

```



```

5732 \expandafter#1%
5733 \expandafter{%
5734 \expandafter\@testopt
5735 \csname\string#1\endcsname{#3}}%
5736 \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
5737
5738 \bidi@newrobustcmd*\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
5739
5740 \def\bidi@renew@command#1{%
5741 \if@bidi@undef{#1}
5742 {\bidi@error{\string#1 undefined}\@ehc}
5743 {}%
5744 \let\@ifdefinable\@rc@ifdefinable
5745 \bidi@new@command#1}
5746
5747
5748
5749 \bidi@newrobustcmd*\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
5750
5751 \def\bidi@provide@command#1{%
5752 \if@bidi@undef{#1}
5753 {\def\reserved@a{\bidi@new@command#1}}
5754 {\def\reserved@a{\bidi@renew@command\reserved@a}}%
5755 \reserved@a}
5756
5757 \newcommand*\bidi@csuse}[1]{%
5758 \ifcsname#1\endcsname
5759 \csname#1\expandafter\endcsname
5760 \fi}
5761
5762 \newcommand{\bidi@expandonce}[1]{%
5763 \unexpanded\expandafter{#1}}
5764
5765 \def\bidi@protected{%
5766 \let\@@protect\protect
5767 \let\protect\@unexpandable@protect
5768 \afterassignment\restore@protect}
5769
5770 \bidi@newrobustcmd{\bidi@appto}[2]{%
5771 \if@bidi@undef{#1}
5772 {\edef#1{\unexpanded{#2}}}
5773 {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5774 \bidi@newrobustcmd{\bidi@eappto}[2]{%
5775 \if@bidi@undef{#1}
5776 {\edef#1{#2}}
5777 {\edef#1{\bidi@expandonce#1#2}}}}
5778 \bidi@newrobustcmd{\bidi@gappto}[2]{%
5779 \if@bidi@undef{#1}
5780 {\xdef#1{\unexpanded{#2}}}
5781 {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5782 \bidi@newrobustcmd{\bidi@xappto}[2]{%
5783 \if@bidi@undef{#1}
5784 {\xdef#1{#2}}
5785 {\xdef#1{\bidi@expandonce#1#2}}}}

```



```

5786
5787 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
5788 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
5789
5790
5791
5792 \bidi@newrobustcmd{\bidi@preto}[2]{%
5793   \if@bidi@undef{#1}
5794     {\edef#1{\unexpanded{#2}}}
5795     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
5796 \bidi@newrobustcmd{\bidi@epreto}[2]{%
5797   \if@bidi@undef{#1}
5798     {\edef#1{#2}}
5799     {\edef#1{#2\bidi@expandonce#1}}}
5800 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
5801   \if@bidi@undef{#1}
5802     {\xdef#1{\unexpanded{#2}}}
5803     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
5804 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
5805   \if@bidi@undef{#1}
5806     {\xdef#1{#2}}
5807     {\xdef#1{#2\bidi@expandonce#1}}}
5808
5809 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
5810 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
5811
5812
5813
5814 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
5815 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
5816 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
5817 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
5818 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
5819 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
5820
5821
5822
5823 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
5824 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
5825 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
5826 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
5827 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
5828 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
5829
5830
5831
5832 \bidi@newrobustcmd{\if@bidi@patchable}{%
5833   \bidi@dbg@trce\if@bidi@patchable
5834   \begingroup
5835   \@makeother\#%
5836   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
5837
5838 \long\def\bidi@ifpatchable#1#2{%
5839   \endgroup

```



```

5840 \bidi@dbg@init#1%
5841 \if@bidi@undef{#1}
5842   {\bidi@dbg@fail{def}\@secondoftwo}
5843   {\bidi@dbg@info{def}%
5844   \if@bidi@defmacro{#1}
5845     {\bidi@dbg@info{mac}%
5846     \bidi@ifscanable{#1}
5847     {\bidi@ifhashcheck{#2}
5848     {\bidi@dbg@info{tok}%
5849     \bidi@ifpattern#1{#2}
5850       {\bidi@dbg@info{pat}%
5851       \bidi@dbg@info{pos}\@firstoftwo}
5852       {\bidi@dbg@fail{pat}\@secondoftwo}}
5853     {\bidi@dbg@fail{hsh}\@secondoftwo}}
5854   {\bidi@dbg@fail{tok}\@secondoftwo}}
5855   {\bidi@dbg@fail{mac}\@secondoftwo}}
5856
5857 \long\def\bidi@ifpatchable@i#1{%
5858 \endgroup
5859 \bidi@dbg@init#1%
5860 \if@bidi@undef{#1}
5861   {\bidi@dbg@fail{def}\@secondoftwo}
5862   {\bidi@dbg@info{def}%
5863   \if@bidi@defmacro{#1}
5864     {\bidi@dbg@info{mac}%
5865     \if@bidi@defparam{#1}
5866       {\bidi@dbg@info{prm}%
5867       \bidi@ifscanable{#1}
5868       {\bidi@dbg@info{tok}%
5869       \bidi@dbg@info{pos}\@firstoftwo}
5870       {\bidi@dbg@fail{tok}\@secondoftwo}}
5871     {\bidi@dbg@info{prl}%
5872     \if@bidi@defprotected{#1}
5873       {\bidi@dbg@info{pro}}
5874       {}%
5875     \bidi@dbg@info{pos}\@firstoftwo}}
5876   {\bidi@dbg@fail{mac}\@secondoftwo}}
5877
5878 \bidi@newrobustcmd*{\bidi@patchcmd}{%
5879 \bidi@dbg@trce\bidi@patchcmd
5880 \begingroup
5881 \@makeother\#%
5882 \bidi@@patchcmd}
5883
5884 \newcommand{\bidi@@patchcmd}[4][#####1]{%
5885 \bidi@ifpatchable#2{#3}
5886   {\bidi@dbg@succ{ret}%
5887   \begingroup
5888   \edef\bidi@resrvda{%
5889     \def\noexpand\bidi@resrvda#####1\detokenize{macro:}#####2->#####3&{%
5890     #1\def\string\bidi@resrvda\space#####2{\noexpand\bidi@resrvdb#####3&}}%
5891     \def\noexpand\bidi@resrvdb#####1\detokenize{#3}#####2&{%
5892     #####1\detokenize{#4}#####2}%
5893     \edef\noexpand\bidi@resrvda{%

```



```

5894     \noexpand\bidiresrvda\meaning#2&}}%
5895     \bidiresrvda
5896     \bidipatchcmd@scantoks\bidiresrvda
5897     \let#2\bidiresrvda
5898     \bididef\bidiresrvda
5899     \@firstoftwo}
5900     {\@secondoftwo}}
5901
5902 \def\bidipatchcmd@scantoks#1{%
5903   \edef\bidiresrvda{\endgroup
5904     \unexpanded{\makeatletter\scantokens}{#1}%
5905     \catcode\number`\@=\the\catcode`\@\relax}%
5906   \bidiresrvda}
5907
5908 \newcommand\bidisisloaded[2] []{
5909   \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
5910     \expandafter\newif\csname if@bidi@#2loaded@\endcsname
5911     \fi
5912     \@ifpackageloaded{#2}
5913     {\csname @bidi@#2loaded@true\endcsname #1}
5914     {\csname @bidi@#2loaded@false\endcsname}}
5915
5916 \protected\def\bidifscanable#1{%
5917   \begingroup
5918   \edef\bidiresrvda{%
5919     \def\noexpand\bidiresrvda####1\detokenize{macro}:###2->###3&{%
5920       ###1\def\string\bidiresrvda####2{###3}}%
5921     \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
5922   \bidiresrvda
5923   \makeatletter
5924   \scantokens\expandafter{\bidiresrvda}%
5925   \expandafter\endgroup\ifx#1\bidiresrvda
5926     \expandafter\@firstoftwo
5927   \else
5928     \expandafter\@secondoftwo
5929   \fi}
5930
5931
5932 \protected\long\def\bidifhashcheck#1{%
5933   \begingroup
5934   \edef\bidiresrvda{\detokenize{#1}}%
5935   \expandafter\endgroup
5936   \expandafter\bidifhashcheck@i\meaning\bidiresrvda&}
5937
5938 \edef\bidifhashcheck@i#1&{%
5939   \noexpand\expandafter
5940   \noexpand\bidifhashcheck@ii
5941   \noexpand\strip@prefix#1\string#\string#&}
5942
5943 \edef\bidifhashcheck@ii{%
5944   \def\noexpand\bidifhashcheck@ii##1\string#\string###2&}
5945 \bidifhashcheck@ii{\if@bidi@blank{#2}}
5946
5947

```



```

5948 \protected\long\def\bidifpattern#1#2{%
5949 \begingroup
5950 \edef\bidiresrvda{%
5951   \def\noexpand\bidiresrvda###1\detokenize{#2}###2&{%
5952     \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{###2}}}%
5953 \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda
5954   \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
5955 \noexpand\bidiresrvda}
5956 \bidiresrvda\@secondoftwo\@firstoftwo}
5957
5958
5959 \newcommand{\if@bidi@defparam}{}
5960 \long\edef\if@bidi@defparam#1{%
5961   \noexpand\expandafter\noexpand\bidifdefparam
5962   \noexpand\meaning#1\detokenize{macro}:->&}
5963 \edef\bidifdefparam{%
5964   \def\noexpand\bidifdefparam##1\detokenize{macro}:##2->##3&}
5965 \bidifdefparam{\bidi@notblank{#2}}
5966
5967
5968 \newcommand{\if@bidi@defprotected}{}
5969 \long\edef\if@bidi@defprotected#1{%
5970   \noexpand\expandafter\noexpand\bidifdefprotected
5971   \noexpand\meaning#1\string\protected&}
5972 \edef\bidifdefprotected{%
5973   \def\noexpand\bidifdefprotected##1\string\protected##2&}
5974 \bidifdefprotected{\bidi@notblank{#2}}
5975
5976
5977 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
5978 \bidi@newrobustcmd{\bidi@csundef}[1]{%
5979   \expandafter\let\csname #1\endcsname\bidi@undefined
5980 }
5981
5982 \let\bidi@dbg@trce@gobble
5983 \let\bidi@dbg@init@gobble
5984 \let\bidi@dbg@info@gobble
5985 \let\bidi@dbg@succ@gobble
5986 \let\bidi@dbg@fail@gobble
5987
5988
5989
5990 \bidi@newrobustcmd*{\bidi@apptocmd}{%
5991   \bidi@dbg@trce\bidi@apptocmd
5992   \begingroup
5993   \@makeother\#%
5994   \bidi@hooktocmd\bidi@append}
5995
5996
5997
5998 \bidi@newrobustcmd*{\bidi@pretocmd}{%
5999   \bidi@dbg@trce\bidi@pretocmd
6000   \begingroup
6001   \@makeother\#%

```



```

6002 \bidi@hooktocmd\bidi@prepend}
6003
6004 \long\def\bidi@hooktocmd#1#2#3{%
6005 \endgroup
6006 \bidi@dbg@init#2%
6007 \if@bidi@undef{#2}
6008   {\bidi@dbg@fail{def}\@secondoftwo}
6009   {\bidi@dbg@info{def}%
6010   \if@bidi@defmacro{#2}
6011     {\bidi@dbg@info{mac}%
6012     \if@bidi@defparam{#2}
6013       {\bidi@dbg@info{prm}%
6014       \bidi@ifscanable{#2}
6015         {\bidi@ifhashcheck{#3}
6016           {\bidi@dbg@info{tok}%
6017           \bidi@dbg@succ{ret}%
6018           \bidi@hooktocmd@i#1#2{#3}%
6019           \@firstoftwo}
6020           {\bidi@dbg@fail{hsh}\@secondoftwo}}
6021         {\bidi@dbg@fail{tok}\@secondoftwo}}
6022     {\bidi@dbg@info{prl}%
6023     \if@bidi@defprotected{#2}
6024       {\bidi@dbg@info{pro}%
6025       \bidi@dbg@succ{red}%
6026       \protected}
6027     {\bidi@dbg@succ{red}}}%
6028   \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
6029   \@firstoftwo}}
6030   {\bidi@dbg@fail{mac}\@secondoftwo}}
6031
6032 \long\def\bidi@hooktocmd@i#1#2#3{%
6033 \beginingroup
6034 \edef\bidi@resrvda{%
6035   \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
6036     ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
6037   \edef\noexpand\bidi@resrvda{%
6038     \noexpand\bidi@resrvda\meaning#2&}}%
6039 \bidi@resrvda
6040 \bidi@patchcmd@scantoks\bidi@resrvda
6041 \let#2\bidi@resrvda
6042 \bidi@undef\bidi@resrvda}
6043
6044 \long\def\bidi@append#1#2{#1#2}
6045 \long\def\bidi@prepend#1#2{#2#1}
6046
6047 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
6048 %\newcommand*{\bidi@endpreamblehook}{}
6049
6050 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%
6051
6052 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipout}
6053 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
6054
6055 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}

```




```

6056 \newcommand*{\bidi@beforeheaderhook}{}
6057
6058 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutputput
6059 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
6060
6061 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputput
6062 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
6063
6064 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
6065 \newcommand*{\bidi@beforefooterhook}{}
6066
6067 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
6068 \newcommand*{\bidi@afterfooterhook}{}
6069
6070
6071 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipoutho
6072 \newcommand*{\bidi@afteroutputpageshipouthook}{}
6073
6074 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
6075 \newcommand*{\bidi@atendoutputpagehook}{}
6076
6077 %\bidi@preto\document{%
6078 % \endgroup
6079 % \let\bidi@AtEndPreamble\@firstofone
6080 % \bidi@endpreamblehook
6081 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
6082 % \bidi@undef\bidi@endpreamblehook
6083 % \begingroup}
6084
6085 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
6086 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
6087
6088 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
6089 %\newcommand*{\bidi@afterendpreamblehook}{}
6090
6091 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}%
6092
6093 %\bidi@appto\document{%
6094 % \let\bidi@AfterEndPreamble\@firstofone
6095 % \bidi@afterendpreamblehook
6096 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
6097 % \bidi@undef\bidi@afterendpreamblehook
6098 % \ignorespaces}
6099
6100 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocume
6101 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{}
6102
6103 \bidi@patchcmd\enddocument
6104 {\fi}
6105 {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
6106 \bidi@afterenddocumentchecklabelsrerunhook
6107 \fi}
6108 {}
6109 {\PackageWarning{biditools}{Patching `string\enddocument' failed}}

```



```

6110
6111 \AtEndDocument{\let\ bidi@AfterEndPreamble@gobble}
6112
6113 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
6114 \newcommand*{\bidi@afterlastshipouthook}{}
6115
6116 \bidi@patchcmd\enddocument
6117   {\clearpage}
6118   {\clearpage
6119     \let\ bidi@AfterLastShipout\@firstofone
6120     \bidi@afterlastshipouthook}
6121   {}
6122   {\let\ bidi@clearpage\clearpage
6123     \def\clearpage{%
6124       \bidi@clearpage
6125       \let\ bidi@AfterLastShipout\@firstofone
6126       \bidi@afterlastshipouthook}}
6127
6128 %\bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
6129 %\newcommand*{\bidi@afterenddocumenthook}{}
6130
6131 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\AddToHook{enddocument/end}}%
6132
6133 %\bidi@patchcmd\enddocument
6134 %   {\deadcycles}
6135 %   {\let\ bidi@AfterEndDocument\@firstofone
6136 %     \bidi@afterenddocumenthook
6137 %     \deadcycles}
6138 %   {}
6139 %   {\let\ bidi@@end\@@end
6140 %     \def\@@end{%
6141 %       \let\ bidi@AfterEndDocument\@firstofone
6142 %       \bidi@afterenddocumenthook
6143 %       \bidi@@end}}
6144
6145 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
6146   \bidi@csgappto{@bidi@begin@#1@hook}}
6147
6148 % Patch \begin<space> and \end<space> in newer LaTeX releases
6149 % \begin and \end in older ones.
6150 \expandafter\bidi@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6151   {\csname #1\endcsname}
6152   {\bidi@csuse{@bidi@begin@#1@hook}%
6153     \csname #1\endcsname}
6154   {}
6155   {\bidi@warning{%
6156     Patching '\string\begin' failed!\MessageBreak
6157     '\string\bidi@AtBeginEnvironment' will not work@gobble}}
6158
6159
6160
6161 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
6162   \bidi@csgappto{@bidi@end@#1@hook}}
6163

```



```

6164 \expandafter\@bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6165 {\csname end#1\endcsname}
6166 {\@bidi@csuse{@bidi@end@#1@hook}%
6167 \csname end#1\endcsname}
6168 {}
6169 {\@bidi@warning{%
6170   Patching '\string\end' failed!\MessageBreak
6171   '\string\@bidi@AtEndEnvironment' will not work\@gobble}}
6172
6173
6174
6175 \@bidi@newrobustcmd{\@bidi@BeforeBeginEnvironment}[1]{%
6176 \@bidi@csgappto{@bidi@beforebegin@#1@hook}}
6177
6178 \expandafter\@bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6179 {\@bidi@csuse{@bidi@beforebegin@#1@hook}}
6180 {}
6181 {\@bidi@warning{%
6182   Patching '\string\begin' failed!\MessageBreak
6183   '\string\@bidi@BeforeBeginEnvironment' will not work\@gobble}}
6184
6185 \@bidi@newrobustcmd{\@bidi@AfterEndEnvironment}[1]{%
6186 \@bidi@csgappto{@bidi@afterend@#1@hook}}
6187
6188 \expandafter\@bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6189 {\if@ignore}
6190 {\@bidi@csuse{@bidi@afterend@#1@hook}%
6191 \if@ignore}
6192 {}
6193 {\@bidi@warning{%
6194   Patching '\string\end' failed!\MessageBreak
6195   '\string\@bidi@AfterEndEnvironment' will not work\@gobble}}
6196
6197 \def\@bidi@namedef#1{\expandafter\def\csname #1\endcsname}
6198 \def\@bidi@namegdef#1{\expandafter\gdef\csname #1\endcsname}
6199 \def\@bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
6200 \def\@bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
6201
6202 % From David Carlisle:
6203 % The \@stpelt redefinition below belongs to Heiko Oberdiek
6204 % See also https://github.com/ho-tex/oberdiek/issues/26
6205
6206 \let\@bidi@stepcounter\stepcounter
6207 \let\@bidi@@stpelt\@stpelt
6208
6209 \def\@stpelt#1{%
6210 \ifcsname bidi@reset@#1@perpage\endcsname
6211 \begingroup
6212 \let\stepcounter\@bidi@stepcounter
6213 \@bidi@@stpelt{#1}%
6214 \endgroup
6215 \expandafter\@gobbletwo
6216 \fi
6217 \@bidi@@stpelt{#1}%

```



```

6218 }
6219
6220 \bidi@pretocmd\stepcounter
6221  {%
6222   \if@bidi@csundef{bidi@stepcounterhook@@#1}{-}{%
6223     \csname bidi@stepcounterhook@@#1\endcsname
6224   }%
6225 }-}{%
6226 {\PackageWarning{biditytools}{Patching `string\stepcounter' failed}}
6227
6228 \chardef\bidi@backslash`\\
6229 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
6230
6231 % anonymous control sequences
6232 \newcount\bidi@tempcountb
6233 \newtoks\bidi@temptoksa
6234 \newtoks\bidi@temptoksb
6235
6236 % Catcode (re)storing
6237 %
6238 \def\bidi@storecatcode#1%
6239   {\escapechar@m@ne
6240    \bidi@csarg\edef{bidi@restorecatcode\string#1}%
6241     {\catcode`\string#1=
6242      \the\catcode\expandafter`\string#1}%
6243    \catcode\expandafter`\string#1=12\relax
6244    \escapechar`\\relax}
6245 \def\bidi@restorecatcode#1%
6246   {\escapechar@m@ne
6247    \csname bidi@restorecatcode\string#1\endcsname
6248    \escapechar`\\relax}
6249
6250 % Construct a control sequence inside \edef
6251 %
6252 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
6253
6254 % Construct a control sequence out of #2, and give it to #1
6255 %
6256 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
6257
6258 % Pick an escapecharacter
6259 % this presumes that its argument is a character.
6260 %
6261 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
6262
6263 % Equality of strings.
6264 % the fast approach: does not work in expansion-only environment.
6265 %
6266 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
6267   \ifx\bidi@eqs@a\bidi@eqs@b}
6268
6269 % Test by expansion only
6270 %
6271 \def\bidi@EqualStringX#1#2{00\fi

```



```

6272 \csname if\@bidi@EqualStringX#1&#2&$\endcsname}
6273 \def\@bidi@EqualStringX#1#2$#3#4${\ifx#1#3%
6274 \ifx#1&true\else\@bidi@hop@ES\@bidi@EqualStringX#2$#4$\fi
6275 \else false\fi}
6276 \def\@bidi@hop@ES#1\fi#2\fi{\fi\fi#1}
6277
6278 % Lexicographic ordering
6279 % note the use of \def
6280 % also note the characters 0,127,255 that are used,
6281 % these are not supposed to appear in the strings
6282 %
6283 {\catcode0=12 \catcode255=12 \catcode127=12
6284 \gdef\@bidi@StringBeforeNC#1#2{00\fi
6285 \bidi@CharsBefore#1^^@^^?#2^^ff^^?}
6286 \gdef\@bidi@CharsBeforeNC#1#2^^?#3#4^^?{%
6287 \ifcat#1\relax\def\@bidi@next{\@bidi@CharsBefore#2^^@^^?#3#4^^ff^^?}%
6288 \else\ifcat#3\relax\def\@bidi@next{\@bidi@CharsBefore#1#2^^@^^?#4^^ff^^?}%
6289 \else\ifnum\lccode`#1<\lccode`#3
6290 \def\@bidi@next{\csname iftrue\endcsname}%
6291 \else\ifnum\lccode`#1>\lccode`#3
6292 \def\@bidi@next{\csname iffalse\endcsname}%
6293 \else\def\@bidi@next{\@bidi@CharsBefore#2^^?#4^^?}%
6294 \fi \fi \fi \fi
6295 \bidi@next}
6296 \gdef\@bidi@StringBefore#1#2{00\fi
6297 \bidi@CharsBefore#1^^@^^?#2^^ff^^?}
6298 \gdef\@bidi@CharsBefore#1#2^^?#3#4^^?{%
6299 \ifnum`#1<`#3
6300 \def\@bidi@next{\csname iftrue\endcsname}%
6301 \else\ifnum`#1>`#3
6302 \def\@bidi@next{\csname iffalse\endcsname}%
6303 \else\def\@bidi@next{\@bidi@CharsBefore#2^^?#4^^?}%
6304 \fi\fi
6305 \bidi@next}
6306 }
6307
6308 % Null argument test
6309 %
6310 \def\@bidi@empty{}
6311 \def\@bidi@ifempty#1{00\fi\expandafter\ifx\csname bidi@#1@null\endcsname\@bidi@null}
6312 \def\@bidi@ifEmptyX#1{\expandafter\ifx\csname bidi@#1@null\endcsname\@bidi@null}
6313 %\def\@bidi@ifEmpty#1{\def\@bidi@cs@a{#1}\ifx\@bidi@cs@a\@bidi@empty}
6314 \def\@bidi@IsEmptyList#1{00\fi\def\@bidi@cs@a{#1}\ifx\@cs@a\@bidi@empty}
6315
6316 % Next character test
6317 %
6318 \def\@bidi@NextChar#1#2#3{00\fi
6319 \let\@bidi@nxt@ch#1\def\@bidi@nxt@a{#2}\def\@bidi@nxt@b{#3}%
6320 \futurelet\@bidi@nxt@c\@bidi@ifnxtc}
6321 \def\@bidi@ifNextChar#1#2#3{%
6322 \let\@bidi@nxt@ch#1\def\@bidi@nxt@a{#2}\def\@bidi@nxt@b{#3}%
6323 \futurelet\@bidi@nxt@c\@bidi@ifnxtc}
6324 \def\@bidi@ifnxtc{\ifx\@bidi@nxt@ch\@bidi@nxt@c \expandafter\@bidi@nxt@a
6325 \else \expandafter\@bidi@nxt@b \fi}

```



```

6326
6327% Test for defined-ness of string as control sequence.
6328% works inside \edef
6329%
6330\def\bididefcs#1{00\fi\bidicsarg\ifx{#1}\relax}
6331
6332% Define uniquely defined dummy macros,
6333% usually to serve as bumper blocks at the end of a list
6334%
6335\newcount\bididummies
6336\def\DefNewDummy#1{
6337  \if\bididefcs{#1}\bidicsarg\edef{#1}{\bididum\the\bididummies}
6338  \advance\bididummies\@ne
6339  \else
6340  \bidieerror{Attempt at second definition of `#1'}
6341  \fi}
6342
6343% string case statement
6344% use: \bidiswitch \iftest{...} in:
6345%   item1 action1
6346%   ...
6347%   itemn actionn
6348%   default defaultaction [optional]
6349%   \endbidiswitch
6350% inspired by Jonathan Fine: Some Basic Control Macros
6351% Tugboat 12 #4
6352%
6353\let\@bidifi\fi \let\endbidiswitch\relax \DefNewDummy{bididef}
6354\def\bidiswitch@exit #1 \@bidifi #2 \endbidiswitch {\fi #1}
6355\def\bidiswitch #1#2#3{\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
6356 #1{#2}\bidiswitch@exit #3 \@bidifi
6357 \bidiswitch {#1}
6358 }
6359% this version puts the test object in {}
6360\def\bidioswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
6361 #1{#2}\bidiswitch@exit #3 \@bidifi
6362 \bidiswitch #1 in:
6363 }
6364% this version assumes that the test object is just one character
6365\def\bidicswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
6366 #1#2\bidiswitch@exit #3 \@bidifi
6367 \bidicswitch #1 in:
6368 }
6369% this version assumes that the test object can have an optional space
6370\def\bidibswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
6371 #1#2 \bidiswitch@exit #3 \@bidifi
6372 \bidibswitch #1 in:
6373 }
6374% this version can cope with significant spaces at the start of #3;
6375% #2 is macro argument
6376\def\bidimswitch #1 in: #2:#3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
6377 #1{#2}\bidiswitch@exit #3 \@bidifi
6378 \bidimswitch #1 in:
6379 }

```



```

6380 % idem; #2 does not have to be enclosed in braces
6381 \def\bidifswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
6382 #1#2 \bidi@switch@exit #3 \@bidi@fi
6383 \bidifswitch #1 in:
6384 }
6385
6386 % Routines for taking the value of a string:
6387 % if the string is defined as control sequence
6388 % take the value of that, otherwise take the string itself
6389
6390 % String or value of control sequence
6391 %
6392 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
6393
6394 % String or control sequence
6395 %
6396 \def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
6397
6398 % String or \noexpand-ed control sequence;
6399 % for use in \edef
6400 %
6401 \newif\ifbidi@in@label
6402 \def\@bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
6403 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6404 \newtoks\bidi@are@these@correct
6405 \def\bidi@t@w@w#1{%
6406 \if\bidi@undefinedcs{#1}#1%
6407 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 } \fi
6408 \else
6409 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6410
6411 % List Manipulation .....
6412 % this assumes that #1 is a list of tokens, #2 is the name of a list
6413 %
6414 % Names of lists (and of items to pop into) are given as strings;
6415 % not as control sequences.
6416 %
6417 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
6418 % basic append/prepend macro
6419 \long\def\@bidi@append@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
6420 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@
6421 \long\def\@bidi@prepend@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
6422 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@list
6423 \def\@bidi@append@to@list{\bidi@csarg\@bidi@append@to@cslist}
6424 \def\@bidi@prepend@to@list{\bidi@csarg\@bidi@prepend@to@cslist}
6425 % variations:
6426 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
6427 \long\def\bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#2}}
6428 \def\bidi@append@list@to@list#1#2{%
6429 \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}
6430 \def\bidi@prepend@list@to@list#1#2{%
6431 \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}
6432 \def\bidi@append@cslist@to@cslist#1#2{%
6433 \@bidi@append@to@cslist{#1}\expandafter{\the#2}}

```



```

6434 \def\bidiprepend@cslist@to@cslist#1#2{%
6435   \@bidiprepend@to@cslist{#1}\expandafter{\the#2}}
6436 \def\bidipappend@toks@cs@to@list#1#2{\@bidipappend@to@list{#1}\expandafter{\the#2}}
6437 \def\bidiprepend@toks@cs@to@list#1#2{\@bidiprepend@to@list{#1}\expandafter{\the#2}}
6438
6439 \let\bidipwillbeunhskip\unhskip
6440
6441 % A few list macros for the user
6442 \def\NewTokenList:#1 {\bidicsarg\newtoks{#1}\global\csname#1\endcsname{}}
6443 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
6444 \long\def\AppendToTokenList:#1=#2 {\@bidipappend@to@list{#1}{-}{#2}}
6445 \long\def\PrependToTokenList:#1=#2 {\@bidiprepend@to@list{#1}{-}{#2}}
6446 \def\TheTokenList:#1 {\let\bidipoldwbuskip\bidipwillbeunhskip \let\bidipwillbeunhskip\@empty
6447   \if\bidipundefinedcs{#1}\bidiperror{Token List <#1> undefined}
6448   \else\bidicsarg\the{#1}\fi
6449   \let\bidipwillbeunhskip\bidipoldwbuskip}
6450
6451 \def\bididel@tok@from@list#1#2{\begingroup
6452   \long\def\bidics@liste##1#2##2\bidip@tok@SM
6453     {\bidip@toks@lista{##1}\bidip@toks@listb{##2}%
6454     \edef\bidics@listb{\global\bidicsname{#1}=
6455       {\the\bidip@toks@lista\the\bidip@toks@listb}}%
6456     \bidics@listb}%
6457   \edef\bidics@lista{\noexpand\bidics@liste{}}\expandafter\the\csname#1\endcsname\noexpand
6458   \bidics@lista \endgroup}
6459 \def\bidipin@front@of@list#1{\bidicsarg{\let\expandafter\bidics@lista}{#1}%
6460   \bidipin@front@of@cslist\bidics@lista}
6461 \long\def\bidipin@front@of@cslist#1#2{\begingroup\bidip@toks@lista={#2}%
6462   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidip@toks@list
6463   \endgroup}
6464 \long\def\bidiplocal@in@front@of@list#1#2{\bidip@toks@lista={#2}%
6465   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandaf
6466   {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafte
6467   \expandafter\the\csname#1\endcsname}%
6468   }
6469 \def\bidipset@list#1{\bidicsarg{\let\expandafter\bidics@lista}{#1}%
6470   \bidipset@cslist\bidics@lista}
6471 \long\def\bidipset@cslist#1#2{\begingroup\bidip@toks@lista={#2}%
6472   \global#1=\expandafter{\the\bidip@toks@lista}\endgroup}
6473
6474 %%%%%%%%%%%%%%% Stack macros
6475 %
6476 % push in terms of prepending of lists
6477 \def\bidippush@cs@onto@cs#1#2{\@bidiprepend@to@cslist#1\expandafter{\expandafter\\expandaf
6478 \def\bidippush@onto#1{\bidicsarg\bidippush@onto@cs{#1}}
6479 \def\bidippush@onto@cs#1#2{\@bidiprepend@to@cslist#1}{-}{#2}}
6480 \def\bidiplocal@push@onto#1#2{\let\=\relax
6481   \bidiplocal@in@front@of@list{#1}{-}{#2}}
6482 % pop via auxiliary macro: #1 is result, #2 is stack
6483 % two cs arguments
6484 \def\bidipop@cs@into#1#2{\edef\bidics@e
6485   {\noexpand\@bidipopinto\noexpand#1\noexpand#2\the#2\noexpand\@bidipop}\bidics@e}
6486 % two string arguments
6487 \def\bidipop@into#1#2{\edef\bidics@e

```




```

6488   {\noexpand\@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@b
6489 \long\def\@bidi@popinto#1#2\#3#4\@bidi@pop{#1{#3}#2{#4}}
6490 \def\bidi@copy@stacktop#1#2{%
6491   \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
6492           {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
6493   \bidi@cs@e}
6494 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
6495 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
6496 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
6497 \def\bidi@length@of@csstack#1{\def\##1{\advance\bidi@stack@length\@ne}%
6498   \bidi@stack@length\@m@ne \the#1}
6499 % turn a stack upside down
6500 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
6501   \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
6502   \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6503     \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\@m@ne
6504     \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
6505 %   \bidi@append@csl@to@csl\bidi@temptoksb\bidi@temptoksa% append a to b
6506 %   \bidi@temptoksa\bidi@temptoksb
6507   \repeat% copy b to a
6508   #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6509 % invert a stack into a list
6510 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
6511   \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
6512   \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6513     \bidi@pop@into\bidi@temptoksb{#1}\advance\bidi@stack@length\@m@ne
6514     \bidi@append@list@to@list\bidi@temptoksb{\bidi@temptoksa}\repeat
6515   \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6516
6517
6518 % General loop macro:
6519 % \looprepeat
6520 %   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<en
6521 %   \untilcondition{<cond>} \whilecondition{<cond>}
6522 %   \doloopbody { <loop body> }
6523 % where all control sequences in between \looprepeat and \doloopbody are optional.
6524 %
6525 % var: characters to form a control sequence;
6526 %   after \forvariable{index} you can access the loop counter as \index.
6527 %   This is a count register; to print it use \number\index.
6528 % start,step,end: integers with obvious relations to the loop counter;
6529 %   start and step have a default value of 1
6530 % cond: (sequence of commands ending in) any TeX \if... test.
6531 %
6532 % Count down instead of up with \downtovalue; the increment given in \bystep
6533 % is always positive, and is added or subtracted accordingly.
6534 %
6535 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
6536 % at the beginning of the loop body.
6537 %
6538 % Exit from middle of loop: \breaklooprepeat
6539 % use this at any place in the loop; in case of a conditional use
6540 % \ifsomething ... \expandafter \breaklooprepeat \fi
6541 %

```



```

6542 % Note that the line ends do not cause spaces in the output.
6543 %
6544 % Technical details:
6545 % The loop body is not executed in a group: the braces are those
6546 % of a token list.
6547 % The `forvariable' variable is \let to a \count register.
6548
6549
6550
6551 % Auxiliary stuff
6552 \def\bidilooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
6553 \def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
6554 \def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@depth\endcsname}
6555
6556 \newcount\bidilooprepeat@depth
6557 \let\endlooprepeat\relax \def\bidicsprotect{}
6558 % Trace switches may later be defined by PAC_utils
6559 \let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
6560
6561 % Main repeatloop macro
6562 % - go to next level and allocate unique counter/toks if this is the
6563 %   first time we visit this level
6564 % - setup: gather bounds and termination conditions
6565 % - scoop up body in token list; after the assignment define and
6566 %   execute body
6567 \def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
6568   \advance\bidilooprepeat@depth\@ne\relax
6569   \bidilooprepeat@csargromannumeral\ifx\bidilooprepeat@count\relax
6570     \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidilooprepeat@depth}
6571     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
6572     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
6573     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
6574   \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{}\def\bidilooprepeat@comp{>}\bidilooprepeat@comp
6575   \edef\bidilooprepeat@tmp
6576     {\def\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}{\bidilooprepeat@depth}
6577     \afterassignment\bidilooprepeat@dxbdy\bidilooprepeat@csromannumeral{\bidilooprepeat@depth}
6578   }
6579 % Define and execute loop body
6580 % This is done with an \edef to construct the actual sequence
6581 \def\bidilooprepeat@dxbdy{\bidilooprepeat@csargromannumeral\edef{\bidilooprepeat@body}{%
6582   \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}%
6583   \noexpand\the\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@toks}%
6584   \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@utest}%
6585   \global\bidilooprepeat@csargromannumeral\advance{\bidilooprepeat@count} by \bidilooprepeat@depth
6586   \noexpand\endlooprepeat
6587   \bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}}%
6588 \bidilooprepeat@csromannumeral{\bidilooprepeat@body}\ignorespaces}
6589
6590 % Stop test
6591 %% In order to stop, issue a
6592 % \breaklooprepeat which scoops up the rest of the body and exits
6593 \def\breaklooprepeat#1\endlooprepeat{\bidilooprepeat@zero\bidilooprepeat@csargromannumeral
6594   \advance\bidilooprepeat@depth\@m\@ne \bidilooprepeat@traceexit
6595 }

```



```

6596
6597
6598 % Setup
6599 % gather bounds and termination conditions
6600 \def\ bidi@looprepeat@setup#1{%
6601   \begingroup
6602     \def\ forvariable##1{%
6603       \edef\ bidi@looprepeat@tmp{%
6604         \global\let\ bidi@looprepeat@csarg\noexpand{##1}\ bidi@looprepeat@csromannumeral{\ bidi@
6605         \ bidi@looprepeat@tmp}%
6606       \def\ fromvalue##1{\ bidi@looprepeat@csargromannumeral\global{\ bidi@looprepeat@count}##1\ ig
6607       \def\ tovalue##1{%
6608         \edef\ bidi@looprepeat@tmp{\global\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@loop
6609         {\ bidi@looprepeat@csargromannumeral\the{\ bidi@looprepeat@wtest}}%
6610         \noexpand\ ifnum\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@looprepeat@count}\ bi
6611         \noexpand\ expandafter \noexpand\ breaklooprepeat
6612         \noexpand\ fi}\ ignorespaces}%
6613       \ bidi@looprepeat@tmp}%
6614     \def\ downtovalue##1{%
6615       \gdef\ bidi@looprepeat@sign{-}\gdef\ bidi@looprepeat@comp{<}\tovalue{##1}\ ignorespaces}%
6616     \def\ bystep##1{\ ifnum##1<0 \ bidi@error{LOOPREPEAT: increment has to be a positive value}
6617       \ bidi@looprepeat@csargromannumeral\gdef{\ bidi@looprepeat@inc}{-##1}\ else
6618       \ bidi@looprepeat@csargromannumeral\gdef{\ bidi@looprepeat@inc}{##1}\ fi\ ignoresp
6619     \def\ untilcondition##1{%
6620       \edef\ bidi@looprepeat@tmp{\global\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@loop
6621       {\noexpand##1\relax
6622       \noexpand\ expandafter \noexpand\ breaklooprepeat \noexpand\ fi}\ ignorespaces}%
6623       \ bidi@looprepeat@tmp}%
6624     \def\ whilecondition##1{%
6625       \edef\ bidi@looprepeat@tmp{\global\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@loop
6626       {\noexpand##1\relax \noexpand\ else
6627       \noexpand\ expandafter \noexpand\ breaklooprepeat \noexpand\ fi}\ ignorespaces}%
6628       \ bidi@looprepeat@tmp}%
6629     \fromvalue{\@ne}\ bystep{\@ne}#1%
6630   \endgroup}
6631 \def\ bidi@looprepeat@zero
6632   {\ bidi@looprepeat@csromannumeral{\ bidi@looprepeat@toks}{}\ bidi@looprepeat@csromannumeral{\ bi
6633   \ bidi@looprepeat@csargromannumeral\def{\ bidi@looprepeat@body}{}}
6634
6635 %\tracingmacros2
6636 %\newcount\ tmpcount % used in some examples below
6637
6638 %\looprepeat \forvariable{i}
6639 %   \bystep{2}
6640 % \doloopbody {%
6641 %   \ifnum i=13 \expandafter\ breaklooprepeat \fi
6642 %   \number i}%
6643 %}%
6644
6645 %\looprepeat \forvariable{iii}
6646 %   \tovalue{8}
6647 % \doloopbody {}
6648 %After loop: \number iii%
6649

```



```

6650%\looprepeat \forvariable{i}
6651%      \fromvalue{10}
6652%      \bystep{2}
6653%      \downtovalue{0}
6654% \doloopbody {\number{i}} }
6655
6656%\looprepeat \forvariable{x} \whilecondition{\ifnum{x}<7}
6657% \doloopbody {\number{x}} }
6658
6659%\looprepeat \tovalue{3} \doloopbody {Hello world! }
6660
6661%\looprepeat \forvariable{j}
6662%      \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
6663% \doloopbody {\number{j}} }
6664
6665%\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
6666% {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
6667% \doloopbody {(\number{i}.\number{j}) }
6668% }
6669
6670% infinite loop
6671%\looprepeat \doloopbody {}
6672
6673\renewcommand{\InputIfFileExists}[2]{%
6674 \begingroup\expandafter\expandafter\expandafter\endgroup
6675 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
6676 \expandafter\@secondoftwo
6677 \else
6678 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
6679 \expandafter\@firstoftwo
6680 \fi
6681 {%
6682 \expandafter\InputIfFileExists\expandafter{\csname
6683 #1-@bidi@alias\endcsname}{#2}%
6684 }%
6685 {\IfFileExists{#1}{%
6686 \bidi@load@hook{before}{#1}%
6687 #2\@addtofilelist{#1}%
6688 \@input \@file@und
6689 \bidi@load@hook{after}{#1}%
6690 }}%
6691 }
6692
6693\newcommand*\bidi@loadwithoptions{}
6694\newcommand*\bidi@loadwithoptions{}
6695\let\bidi@loadwithoptions\@loadwithoptions
6696
6697\renewcommand*\@loadwithoptions}[3]{%
6698 \begingroup\expandafter\expandafter\expandafter\endgroup
6699 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
6700 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
6701 \else
6702 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
6703 \def\bidi@loadwithoptions{%

```



```

6704     \loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
6705   }%
6706   \fi
6707   \bidi@loadwithoptions
6708 }
6709
6710 \newcommand*{\bidi@onefilewithoptions}{%
6711 \let\bidi@onefilewithoptions\@onefilewithoptions
6712 \def\@onefilewithoptions#1[#2][#3]#4{%
6713   \begingroup\expandafter\expandafter\expandafter\endgroup
6714   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
6715     \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
6716   \else
6717     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
6718     \edef\bidi@onefilewithoptions{%
6719       \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
6720   \fi
6721   \bidi@onefilewithoptions[#2][#3]#4}%
6722   \bidi@load@hook{lateafter}{#1.#4}%
6723 }
6724
6725 \newcommand*{\bidi@ReplaceInput}[2]{%
6726   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
6727 }
6728
6729 \newcommand*{\bidi@UnReplaceInput}[1]{%
6730   \ifcsname #1-@bidi@alias\endcsname
6731     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
6732   \fi
6733 }
6734
6735 \newcommand*{\@bidi@replacefilewithtext}[3]{%
6736   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
6737 }
6738 \newcommand*{\bidi@ReplacePackage}[2]{%
6739   \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
6740 }
6741 \newcommand*{\bidi@ReplaceClass}[2]{%
6742   \@bidi@replacefilewithtext{#1}{#2}\@clsextension
6743 }
6744 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
6745   \ifcsname #1.#2-@bidi@aliasname\endcsname
6746     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
6747   \fi
6748 }
6749 \newcommand*{\bidi@UnReplacePackage}[1]{%
6750   \@bidi@unreplacefilewithtext{#1}\@pkgextension
6751 }
6752 \newcommand*{\bidi@UnReplaceClass}[1]{%
6753   \@bidi@unreplacefilewithtext{#1}\@clsextension
6754 }
6755 \newcommand*{\bidi@replacefile@msg}[2]{%
6756   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
6757 }

```



```

6758
6759 \newcommand*\bidi@load@hook}[2]{%
6760   \ifundefined{#2-@#1}{%
6761     \nameuse{#2-@#1}%
6762     \expandafter\let\csname #2-@#1\endcsname=\relax}}
6763 \newcommand*\bidi@set@load@hook}[2]{%
6764   \ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{%
6765     \expandafter\g@addto@macro\csname #2-@#1\endcsname}
6766 \newcommand*\bidi@BeforeFile}{\bidi@set@load@hook{before}}
6767 \newcommand*\bidi@AfterFile}{\bidi@set@load@hook{after}}
6768 \newcommand*\bidi@BeforeClass}[1]{%
6769   \bidi@set@load@hook{before}{#1.\@clsextension}}
6770 \newcommand*\bidi@AfterClass}{%
6771   \ifstar {\@s@bidi@AfterClass}{%
6772     \ifnextchar +\@@bidi@AfterClass{%
6773       \ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
6774     }%
6775   }%
6776 }
6777
6778 \newcommand*\@@@bidi@AfterClass}[2]{%
6779   \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
6780     \aftergroup\@s@bidi@AfterClass
6781   \else
6782     \aftergroup\bidi@AfterAtEndOfClass
6783   \fi
6784   \endgroup{#2}%
6785 }
6786
6787 \newcommand*\bidi@AfterAtEndOfClass}[1]{%
6788   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
6789 \newcommand*\@@@bidi@AfterClass}[2]{%
6790   \begingroup
6791     \expandafter\ifx\csname #2.\@clsextension-h@k\endcsname\relax
6792       \aftergroup\@s@bidi@AfterClass
6793     \else
6794       \aftergroup\@bidi@AfterClass
6795     \fi
6796   \endgroup{#2}%
6797 }
6798
6799 \newcommand*\@bidi@AfterClass}[1]{%
6800   \bidi@set@load@hook{after}{#1.\@clsextension}}
6801 \newcommand*\@s@bidi@AfterClass}[1]{%
6802   \begingroup
6803     \ifclassloaded{#1}{%
6804       \aftergroup\@secondoftwo
6805     }{%
6806       \aftergroup\@bidi@AfterClass
6807     }%
6808   \endgroup
6809   {#1}%
6810 }
6811

```



```

6812
6813 \newcommand*\bidi@BeforePackage}[1]{%
6814   \bidi@set@load@hook{before}{#1.\@pkgextension}}
6815 \newcommand*\bidi@AfterPackage}{%
6816   \@ifstar {\@s@bidi@AfterPackage}{%
6817     \ifnextchar +\@@bidi@AfterPackage{%
6818       \ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
6819     }%
6820   }%
6821 }
6822 \newcommand*\@@@bidi@AfterPackage}[2]{%
6823   \begingroup\ifx\cscname #2.\@pkgextension-h@k\endcscname\relax
6824     \aftergroup\@s@bidi@AfterPackage
6825   \else
6826     \aftergroup\bidi@AfterAtEndOfPackage
6827   \fi
6828   \endgroup{#2}%
6829 }
6830 \newcommand*\bidi@AfterAtEndOfPackage}[1]{%
6831   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
6832 \newcommand*\@@@bidi@AfterPackage}[2]{%
6833   \begingroup
6834     \expandafter\ifx\cscname #2.\@pkgextension-h@k\endcscname\relax
6835     \aftergroup\@s@bidi@AfterPackage
6836   \else
6837     \aftergroup\bidi@AfterPackage
6838   \fi
6839   \endgroup{#2}%
6840 }
6841 \newcommand*\@bidi@AfterPackage}[1]{%
6842   \bidi@set@load@hook{after}{#1.\@pkgextension}}
6843 \newcommand*\@s@bidi@AfterPackage}[1]{%
6844   \begingroup
6845     \ifpackageloaded{#1}{%
6846       \aftergroup\@secondoftwo
6847     }{%
6848       \aftergroup\bidi@AfterPackage
6849     }%
6850   \endgroup
6851   {#1}%
6852 }
6853
6854 \newcommand*\bidi@excludedpackages}{-}
6855 \let\bidi@excludedpackages\@empty
6856 \newcommand*\bidi@saves@RequirePackage}{-}
6857 \newcommand*\bidi@PreventPackageFromLoading}{-}
6858   \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}{%
6859     {\@bidi@PreventPackageFromLoading\PackageWarning}%
6860 }
6861 \newcommand*\@bidi@PreventPackageFromLoading}[1]{%
6862   \@ifnextchar [%]
6863     {\@@bidi@PreventPackageFromLoading#1}{\@@bidi@PreventPackageFromLoading#1 []}%
6864 }
6865 \newcommand*\@@@bidi@PreventPackageFromLoading}{-}

```



```

6866
6867 \def\@@bidi@PreventPackageFromLoading#1[#2]#3{%
6868   \edef\reserved@b{\zap@space#3 \@empty}%
6869   \ifx \reserved@b\@empty
6870     #1{biditools}{%
6871       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
6872       argument ignored%
6873     }%
6874   \else
6875     \ifx\bidi@excludedpackages\@empty
6876       \let\bidi@saved@RequirePackage\RequirePackage
6877       \let\RequirePackage\bidi@RequirePackage
6878       \def\reserved@a##1##{%
6879         \@latex@error
6880         {\noexpand \usepackage before \string\documentclass}%
6881         {\noexpand \usepackage may only appear in the document
6882         preamble, i.e.,\MessageBreak
6883         between \noexpand\documentclass and
6884         \string\begin{document}.}%
6885         \@gobble}%
6886       \ifx\reserved@a\usepackage\else
6887         \ifx\usepackage\bidi@saved@RequirePackage\else
6888           \PackageWarning{biditools}{%
6889             Maybe serious problem: unexpected definition of\MessageBreak
6890             \string\usepackage
6891           }%
6892         \fi
6893       \let\usepackage\RequirePackage
6894     \fi
6895   \fi
6896   \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
6897   \reserved@b\do {%
6898     \ifx\reserved@a\@empty
6899       #1{biditools}{%
6900         empty package argument for
6901         \string\bidi@PreventPackageFromLoading\MessageBreak
6902         ignored%
6903       }%
6904     \else
6905       \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
6906         #1{biditools}{%
6907           package `\'reserved@a' already loaded.\MessageBreak
6908           Cannot prevent it from being loaded%
6909         }%
6910       }{%
6911         \edef\bidi@excludedpackages{\bidi@excludedpackages,%
6912         \reserved@a}%
6913       \if\relax\detokenize{#2}\relax\else
6914         \@ifundefined{bidi@exclude@package@\reserved@a @do}{%
6915           \@namedef{bidi@exclude@package@\reserved@a @do}{%
6916             }{%
6917           \expandafter\def
6918           \csname bidi@exclude@package@\reserved@a
6919             @do\expandafter\expandafter\expandafter\endcsname

```




```

6920         \expandafter\expandafter\expandafter{%
6921             \csname bidi@exclude@package@\reserved@a @do\endcsname
6922             #2%
6923         }%
6924     \fi
6925 }%
6926 \fi
6927 }%
6928 \ifx\bidi@excludedpackages\@empty
6929     \bidi@ResetPreventPackageFromLoading
6930 \fi
6931 \fi
6932 }
6933
6934 \@onlypreamble\bidi@PreventPackageFromLoading
6935 \newcommand*{\bidi@ResetPreventPackageFromLoading}{%
6936     \let\bidi@excludedpackages\@empty
6937     \ifx\RequirePackage\bidi@RequirePackage
6938         \ifx\usepackage\RequirePackage
6939             \let\usepackage\bidi@saved@RequirePackage
6940         \fi
6941         \let\RequirePackage\bidi@saved@RequirePackage
6942     \fi
6943 }
6944 \@onlypreamble\bidi@ResetPreventPackageFromLoading
6945 \newcommand*{\bidi@StorePreventPackageFromLoading}[1]{%
6946     \let#1\bidi@excludedpackages
6947 }
6948 \@onlypreamble\bidi@StorePreventPackageFromLoading
6949 \newcommand*{\bidi@UnPreventPackageFromLoading}{%
6950     \ifstar {\@tempwatrue\bidi@UnPreventPackageFromLoading}%
6951             {\@tempwafalse\bidi@UnPreventPackageFromLoading}%
6952 }
6953
6954 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
6955     \edef\reserved@b{\zap@space#1 \@empty}%
6956     \if@tempwa
6957         \@for\reserved@a:=\reserved@b\do {%
6958             \ifx\reserved@a\@empty \else
6959                 \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
6960                     \expandafter\let
6961                     \csname bidi@exclude@package@\reserved@a @do\endcsname
6962                     \undefined
6963                 \fi
6964             \fi
6965         }%
6966     \fi
6967     \ifcsname bidi@excludedpackages\endcsname
6968         \let\reserved@a\bidi@excludedpackages
6969         \let\bidi@excludedpackages\@empty
6970         \expandafter\@for\expandafter\reserved@c
6971         \expandafter:\expandafter=\reserved@a
6972         \do{%
6973             \ifx\reserved@c\@empty\else

```



```

6974     \@expandtwoargs\in@{,\reserved@c,}{,\reserved@b,}%
6975     \ifin@
6976     \else
6977         \edef\bidi@excludedpackages{%
6978             \bidi@excludedpackages,\reserved@c
6979         }%
6980     \fi
6981 \fi
6982 }%
6983 \ifx\bidi@excludedpackages\@empty\bidi@ResetPreventPackageFromLoading\fi
6984 \fi
6985 }
6986
6987
6988 \newcommand*{\bidi@RequirePackage}[2] [] {%
6989 \let\reserved@c\@empty
6990 \let\reserved@d\@empty
6991 \edef\reserved@b{\zap@space#2 \@empty}%
6992 \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
6993 \do {%
6994     \begingroup
6995     \@tempswatru
6996     \@for\reserved@a:=\bidi@excludedpackages\do {%
6997         \ifx\reserved@a\reserved@b
6998             \@tempswafalse
6999         \fi
7000     }%
7001     \if@tempswa
7002         \xdef\reserved@c{\reserved@c,\reserved@b}%
7003     \else
7004         \ifx\reserved@b\@empty\else
7005             \PackageInfo{biditytools}{Excluding package `'\reserved@b'\MessageBreak
7006                 from loading}%
7007             \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
7008                 }{%
7009                 \expandafter\g@addto@macro\expandafter\reserved@d
7010                 \csname bidi@exclude@package@\reserved@b @do\endcsname
7011                 }%
7012             \fi
7013         \fi
7014     \endgroup
7015 }%
7016 \ifx\reserved@c\@empty
7017     \let\reserved@a\bidi@gobbleopt
7018 \else
7019     \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
7020         \expandafter\@gobble\reserved@c\@empty}}%
7021 \fi
7022 \expandafter\reserved@d
7023 \reserved@a
7024 }
7025
7026 \newcommand{\bidi@gobbleopt}[1] [] {}
7027 \AtEndDocument{%

```



```

7028 \let\bidisaved@checkend=\@checkend
7029 \renewcommand*{\@checkend}[1]{%
7030   \def\reserved@a{#1}\def\reserved@b{document}%
7031   \bidisaved@checkend{#1}%
7032   \ifx\reserved@a\reserved@b
7033     \let\bidisaved@clearpage=\clearpage
7034     \renewcommand*{\clearpage}{\bidisaved@clearpage
7035       \bidi@hook@bcma
7036       \bidi@restore@newpage
7037       \let\clearpage=\bidisaved@clearpage}%
7038   \fi%
7039   \let\bidisaved@dofilelist\@dofilelist
7040   \def\@dofilelist{%
7041     \bidi@hook@acma
7042     \let\@dofilelist\bidisaved@dofilelist
7043     \bidisaved@dofilelist
7044   }%
7045 }%
7046 }
7047
7048
7049 \newcommand*{\bidisaved@checkend}{}
7050 \newcommand*{\bidisaved@dofilelist}{}
7051 \newcommand*{\bidisaved@restore@newpage}{}
7052 \let\bidisaved@newpage\newpage
7053 \def\bidi@restore@newpage{%
7054   \renewcommand*{\newpage}{%
7055     \PackageWarningNoLine{%
7056       biditools%
7057     }{%
7058       \string\newpage\space at main aux file!\MessageBreak
7059       You have output material at the main aux file.\MessageBreak
7060       Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
7061       are processed before the output from aux file%
7062     }%
7063     \let\newpage\bidisaved@newpage
7064     \newpage
7065   }%
7066 }%
7067 \renewcommand*{\newpage}{%
7068   \PackageError{%
7069     biditools%
7070   }{%
7071     \string\newpage\space at \string\bidi@BeforeClosingMainAux
7072   }{%
7073     You should never use \string\newpage\space or
7074     \string\clear(double)page or other output material at the\MessageBreak
7075     argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
7076     If you'll continue, the \string\newpage\space will be ignored to
7077     avoid corruption of\MessageBreak
7078     every prior use of \string\bidi@BeforeClosingMainAux.
7079   }%
7080 }%
7081 }

```



```

7082
7083 \newcommand*\bidi@restore@newpage{}
7084 \newcommand*\bidi@hook@bcma{}
7085 \newcommand*\bidi@hook@acma{}
7086 \newcommand*\bidi@BeforeClosingMainAux{%
7087   \ifx\bidi@hook@bcma\@empty
7088     \gdef\bidi@hook@bcma{%
7089       \renewcommand*\bidi@BeforeClosingMainAux}[1]{###1}%
7090       \let\protected@write\bidi@protected@immediate@write
7091       \bidi@redefine@newpage
7092     }%
7093   \fi
7094   \g@addto@macro\bidi@hook@bcma%
7095 }
7096
7097 \newcommand*\bidi@AfterReadingMainAux{%
7098   \ifx\bidi@hook@acma\@empty
7099     \gdef\bidi@hook@acma{%
7100       \renewcommand*\bidi@AfterReadingMainAux}[1]{###1}%
7101       \let\protected@write\bidi@protected@immediate@write
7102     }%
7103   \fi
7104   \g@addto@macro\bidi@hook@acma%
7105 }
7106
7107 \long\def\bidi@protected@immediate@write#1#2#3{%
7108   \begingroup
7109     #2%
7110     \let\protect\@unexpandable@protect
7111     \edef\reserved@a{\immediate\write#1{#3}}%
7112     \reserved@a
7113   \endgroup
7114   \if@nobeak\ifvmode\nobeak\fi\fi
7115 }
7116
7117 \def\bidi@patch@counter{0}%
7118 \if@bidi@csundef{numexpr}{%
7119   \def\bidi@patch@stepcounter{%
7120     \begingroup
7121       \count@\bidi@patch@counter\relax
7122       \advance\count@\@ne\relax
7123     \edef\x{\endgroup
7124       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
7125     }%
7126     \x
7127   }%
7128 }{%
7129   \def\bidi@patch@stepcounter{%
7130     \edef\bidi@patch@counter{%
7131       \the\numexpr\bidi@patch@counter+\@ne\relax
7132     }%
7133   }%
7134 }
7135 \def\bidi@patch@list{}

```



```

7136 \def\bidipatch@Add{%
7137   \bidipatch@list
7138 }
7139 \def\bidipatch@AfterPackage#1{%
7140   \@ifpackageloaded{#1}{%
7141     \@firstofone
7142   }{%
7143     \@bidipatch@AfterPackage{#1}%
7144   }%
7145 }
7146 \def\@bidipatch@AfterPackage#1{%
7147   \edef\bidipatch@temp{#1}%
7148   \bidipatch@stepcounter
7149   \expandafter\bidipatch@AfterPackage
7150   \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
7151     \bidipatch@temp
7152   }%
7153 }
7154 \def\bidipatch@@AfterPackage#1#2#3{%
7155   \begingroup
7156     \toks@{#3}%
7157     \xdef\bidipatch@gtemp{%
7158       \noexpand\@ifpackageloaded{#2}{%
7159         \noexpand\let\noexpand#1\noexpand\relax
7160         \the\toks@
7161       }-%
7162     }%
7163   \endgroup
7164   \let#1\bidipatch@gtemp
7165   \bidipatch@Add#1%
7166   \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
7167 }
7168
7169 \def\bidipatch@try#1#2#3{%
7170   \if@bidi@csundef{#1}{-%
7171     \csname #1\endcsname{#2}{#3}%
7172   }%
7173 }
7174
7175 \AtBeginDocument{\bidipatch@list}
7176
7177 \bidipatch@AtEndPreamble{\bidipatch@list}%
7178
7179 \bidipatch@AfterEndPreamble{%
7180   \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
7181   \let\bidipatch@OrgIfPackageLater\@ifpackagelater
7182   \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
7183   \let\bidipatch@OrgIfClassLater\@ifclasslater
7184   \bidipatch@list
7185   \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded
7186   \let\@ifpackagelater\bidipatch@OrgIfPackageLater
7187   \let\@ifclassloaded\bidipatch@OrgIfClassLoaded
7188   \let\@ifclasslater\bidipatch@OrgIfClassLater
7189 }%

```



53 File `bidituftefloat.sty`

```
7190 \NeedsTeXFormat{LaTeX2e}
7191 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
7192 bidi implementation of tufte float]
7193 \RequirePackage{xifthen}
7194 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
7195 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
7196 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{@bidituftefloat@debug}}{\bid
7197 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
7198 \newboolean{@bidituftefloat@reversegeometry}
7199 \setboolean{@bidituftefloat@reversegeometry}{false}
7200 \DeclareOption{reversegeometry}{\setboolean{@bidituftefloat@reversegeometry}{true}}
7201 \newboolean{@bidituftefloat@a4paper}
7202 \DeclareOption{a4paper}{\setboolean{@bidituftefloat@a4paper}{true}}
7203 \newboolean{@bidituftefloat@b5paper}
7204 \DeclareOption{b5paper}{\setboolean{@bidituftefloat@b5paper}{true}}
7205 \newboolean{@bidituftefloat@symmetric}
7206 \newboolean{@bidituftefloat@twoside}
7207 \DeclareOption{twoside}{%
7208 \@twosidetrue \mparswitchtrue%
7209 \setboolean{@bidituftefloat@twoside}{true}%
7210 \setboolean{@bidituftefloat@symmetric}{true}%
7211 }
7212 \DeclareOption{oneside}{%
7213 \@twosidefalse \mparswitchfalse%
7214 \setboolean{@bidituftefloat@twoside}{false}%
7215 \setboolean{@bidituftefloat@symmetric}{false}%
7216 }
7217 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
7218 \newboolean{@bidituftefloat@debug}
7219 \newcommand*{\@bidituftefloat@caption@justification}{\@bidituftefloat@justification@autodete
7220 \ProcessOptions
7221 %% Globally sets the length
7222 \newcommand*\gsetlength[2]{%
7223 \setlength{#1}{#2}%
7224 \global#1=#1\relax%
7225 }
7226
7227 %% Set the font sizes and baselines to match bidituftefloat's books
7228 \renewcommand\normalsize{%
7229 \setfontsize\normalsize\@xpt{14}%
7230 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
7231 \abovedisplayshortskip \z@ \@plus3\p@
7232 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
7233 \belowdisplayskip \abovedisplayskip
7234 \let\@listi\@listI}
7235 \normalbaselineskip=14pt
7236 \normalsize
7237 \renewcommand\footnotesize{%
7238 \setfontsize\footnotesize\@viiipt{10}%
7239 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
7240 \abovedisplayshortskip \z@ \@plus\p@
7241 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
```



```

7242 \def\@listi{\leftmargin\leftmargini
7243         \topsep 3\p@ \@plus\p@ \@minus\p@
7244         \parsep 2\p@ \@plus\p@ \@minus\p@
7245         \itemsep \parsep}%
7246 \belowdisplayskip \abovedisplayskip
7247 }
7248 %% Paragraph indentation and separation for marginal text
7249 \newcommand{\@bituftefloat@margin@par}{%
7250 \setlength{\RaggedRightParindent}{0.5pc}%
7251 \setlength{\JustifyingParindent}{0.5pc}%
7252 \setlength{\parindent}{0.5pc}%
7253 \setlength{\parskip}{Opt}%
7254 }
7255 \RequirePackage{ragged2e}
7256 \ifthenelse{\boolean{@bituftefloat@reversegeometry}}{%
7257 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
7258 \ifthenelse{\boolean{@bituftefloat@afourpaper}}
7259 {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
7260 {}
7261 \ifthenelse{\boolean{@bituftefloat@bfivepaper}}
7262 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm
7263 }}{%
7264 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
7265 \ifthenelse{\boolean{@bituftefloat@afourpaper}}
7266 {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
7267 {}
7268 \ifthenelse{\boolean{@bituftefloat@bfivepaper}}
7269 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,
7270 }}
7271 \ifthenelse{\boolean{@bituftefloat@symmetric}}
7272 {}
7273 {\geometry{asymmetric}}% forces internal LaTeX `twoside'
7274 \setlength\marginparpush{10pt}
7275 %% Font for margin items
7276 \newcommand{\@bituftefloat@marginfont}{\normalfont\footnotesize}
7277 \newcommand*{\@bituftefloat@caption@font}{\@bituftefloat@marginfont}
7278 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bituftefloat@caption@font}{#1}}
7279 \newcommand{\@bituftefloat@justification}{\justifying}%
7280 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
7281 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
7282 \newboolean{@bituftefloat@changepage}
7283 \IfFileExists{changepage.sty}{%
7284 \bituftefloatDebugInfoNL{Found changepage.sty}
7285 \RequirePackage[strict]{changepage}
7286 \setboolean{@bituftefloat@changepage}{true}
7287 }{%
7288 \bituftefloatDebugInfoNL{Found chngpage.sty}
7289 \RequirePackage[strict]{chngpage}
7290 \setboolean{@bituftefloat@changepage}{false}
7291 }
7292 \newboolean{@bituftefloat@odd@page}
7293 \setboolean{@bituftefloat@odd@page}{true}
7294 \newcommand*{\@bituftefloat@checkoddpage}{%
7295 \checkoddpage%

```



```

7296 \ifthenelse{\boolean{@biditytfloat@changepage}}{%
7297   \ifoddpage%
7298     \setboolean{@biditytfloat@oddpage}{true}%
7299   \else%
7300     \setboolean{@biditytfloat@oddpage}{false}%
7301   \fi%
7302 }{%
7303   \ifcpoddpage%
7304     \setboolean{@biditytfloat@oddpage}{true}%
7305   \else%
7306     \setboolean{@biditytfloat@oddpage}{false}%
7307   \fi%
7308 }%
7309 }
7310 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
7311 \newlength{\@biditytfloat@fullwidth}
7312 \newlength{\@biditytfloat@caption@fill}
7313 \newcommand{\@biditytfloatRecalculate}{%
7314   \setlength{\@biditytfloat@overhang}{\marginparwidth}
7315   \addtolength{\@biditytfloat@overhang}{\marginparsep}
7316
7317   \setlength{\@biditytfloat@fullwidth}{\textwidth}
7318   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
7319   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
7320
7321   \setlength{\@biditytfloat@caption@fill}{\textwidth}
7322   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
7323 }
7324 \AtBeginDocument{\@biditytfloatRecalculate}
7325 \RequirePackage{optparams}% provides multiple optional arguments for commands
7326 \RequirePackage{placeins}
7327 \newsavebox{\@biditytfloat@margin@floatbox}
7328 \newenvironment{@biditytfloat@margin@float}[2][-.2ex]%
7329   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in o
7330   \begin{lrbox}{\@biditytfloat@margin@floatbox}%
7331   \begin{minipage}{\marginparwidth}%
7332     \@biditytfloat@caption@font%
7333     \def\capttype{#2}%
7334     \hbox{\vspace*{#1}}%
7335     \@biditytfloat@caption@justification%
7336     \@biditytfloat@margin@par%
7337     \noindent%
7338   }
7339   {\end{minipage}%
7340   \end{lrbox}%
7341   \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
7342 }
7343 \newenvironment{marginfigure}[1][-.2ex]%
7344   {\begin{@biditytfloat@margin@float}[#1]{figure}}
7345   {\end{@biditytfloat@margin@float}}
7346 \newenvironment{margintable}[1][-.2ex]%
7347   {\begin{@biditytfloat@margin@float}[#1]{table}}
7348   {\end{@biditytfloat@margin@float}}
7349 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%

```




```

7350
7351 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float
7352 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
7353 \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}%
7354   {\def\@biditytfloat@float@debug@info{#1}}%
7355   {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
7356 }
7357 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
7358 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug
7359 \newboolean{\@biditytfloat@float@recto}
7360 \newcommand{\forcerectofloat}{\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@bidityt
7361 \newcommand{\forceversofloat}{\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@bidityt
7362 \newsavebox{\@biditytfloat@figure@box}
7363 \newsavebox{\@biditytfloat@caption@box}
7364 \let\@biditytfloat@orig@float\@float
7365 \let\@biditytfloat@orig@endfloat\end@float
7366 \newlength{\@biditytfloat@caption@vertical@offset}
7367 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
7368 \newcommand{\@biditytfloat@stored@shortcaption}{%}
7369 \newcommand{\@biditytfloat@stored@caption}{%}
7370 \newcommand{\@biditytfloat@stored@label}{%}
7371 \long\def\@biditytfloat@caption[#1][#2]#3{%
7372 \ifthenelse{\isempty{#1}}%
7373   {\gdef\@biditytfloat@stored@shortcaption{#3}}%
7374   {\gdef\@biditytfloat@stored@shortcaption{#1}}%
7375 \setlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to l
7376 \gdef\@biditytfloat@stored@caption{#3}%
7377 }
7378 \newcommand{\@biditytfloat@label}[1]{%
7379 \gdef\@biditytfloat@stored@label{#1}%
7380 }
7381 \newcommand{\@biditytfloat@fps}{%}
7382 \newboolean{\@biditytfloat@float@star}
7383 \newlength{\@biditytfloat@float@contents@width}
7384 \newenvironment{\@biditytfloat@float}[3][htbp]%
7385   {% begin \@biditytfloat@float
7386   % Should this float be full-width or just text-width?
7387   \ifthenelse{\equal{#3}{star}}%
7388     {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
7389     {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
7390   % Check page side (recto/verso) and store detected value -- can be overridden in environm
7391   \@biditytfloat@checkoddpage%
7392   \ifthenelse{\boolean{\@biditytfloat@odd@page}}%
7393     {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Dete
7394     {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Dete
7395   % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
7396   \renewcommand{\@biditytfloat@fps}{#1}%
7397   \@biditytfloat@float@debug{Allowed positions: [#1]}%
7398   \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
7399     {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bot
7400     {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top
7401   % Capture the contents of the \caption and \label commands to use later
7402   \global\let\@biditytfloat@orig@caption\caption%
7403   \global\let\@biditytfloat@orig@label\label%

```



```

7404 \renewcommand{\caption}{\optparams{\@bidualtfloat@caption}{[] [Opt]}}%
7405 \renewcommand{\label}[1]{\@bidualtfloat@label{##1}}%
7406 % Handle subfigure package compatibility
7407 \ifthenelse{\boolean{@bidualtfloat@packages@subfigure}}{%
7408   \bidualtfloat@patchcmd{\subfigure}{%
7409     \let\subfig@oldlabel=\label
7410   }{%
7411     \let\subfig@oldlabel=\@bidualtfloat@orig@label
7412   }
7413   {}
7414   {}
7415   \let\subtable=\subfigure
7416 }{% subfigure package is not loaded
7417 \@bidualtfloat@orig@float{#2}[#1}%
7418 \ifthenelse{\boolean{@bidualtfloat@float@star}}%
7419   {\setlength{\@bidualtfloat@float@contents@width}{\@bidualtfloat@fullwidth}}%
7420   {\setlength{\@bidualtfloat@float@contents@width}{\textwidth}}%
7421 \begin{lrbox}{\@bidualtfloat@figure@box}%
7422 \begin{minipage}[floatalignment]{\@bidualtfloat@float@contents@width}\hbox{%
7423 }{% end @bidualtfloat@float
7424 \par\hbox{\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}}%
7425 \end{minipage}%
7426 \end{lrbox}%
7427 % build the caption box
7428 \begin{lrbox}{\@bidualtfloat@caption@box}%
7429 \begin{minipage}[floatalignment]{\marginparwidth}\hbox{%
7430   \ifthenelse{\NOT\equal{\@bidualtfloat@stored@caption}}{\@bidualtfloat@orig@caption
7431     \ifthenelse{\NOT\equal{\@bidualtfloat@stored@label}}{\@bidualtfloat@orig@label
7432     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
7433   \end{minipage}%
7434 \end{lrbox}%
7435 % now typeset the stored boxes
7436 \begin{fullwidth}%
7437 \begin{minipage}[floatalignment]{\linewidth}%
7438   \ifthenelse{\boolean{@bidualtfloat@float@star}}%
7439     {\@bidualtfloat@float@fullwidth[\@bidualtfloat@caption@vertical@offset]{\@bidualtfloat@float@textwidth[\@bidualtfloat@caption@vertical@offset]{\@bidualtfloat@float@textwidth}}%
7440     {\@bidualtfloat@float@textwidth[\@bidualtfloat@caption@vertical@offset]{\@bidualtfloat@float@textwidth}}%
7441 \end{minipage}%
7442 \end{fullwidth}%
7443 \@bidualtfloat@orig@endfloat% end original LaTeX float environment
7444 % output debug info
7445 \ifthenelse{\boolean{@bidualtfloat@debug}}{%
7446 \typeout{^^J^^J----- bidualtfloat package float information -----}%
7447 \ifthenelse{\equal{\@bidualtfloat@stored@label}}{%
7448   {\typeout{Warning: Float unlabeled!}}%
7449   {\typeout{Float label: [\@bidualtfloat@stored@label]}}%
7450 \typeout{Page number: [\thepage]}}%
7451 \def\MessageBreak{^^J}%
7452 \typeout{\@bidualtfloat@float@debug@info}%
7453 \ifthenelse{\boolean{@bidualtfloat@symmetric}}%
7454   {\typeout{Symmetric: [true]}}%
7455   {\typeout{Symmetric: [false]}}%
7456 \typeout{-----^^J^^J}%
7457 }{%

```



```

7458 % reset commands and temp boxes and captions
7459 \gdef\@biditytffloat@float@debug@info{%
7460 \let\caption\@biditytffloat@orig@caption%
7461 \let\label\@biditytffloat@orig@label%
7462 \begin{lrbox}{\@biditytffloat@figure@box}\hbox{}\end{lrbox}%
7463 \begin{lrbox}{\@biditytffloat@caption@box}\hbox{}\end{lrbox}%
7464 \gdef\@biditytffloat@stored@shortcaption{%
7465 \gdef\@biditytffloat@stored@caption{%
7466 \gdef\@biditytffloat@stored@label{%
7467 \gsetlength{\@biditytffloat@caption@vertical@offset}{0pt}% reset caption offset
7468 }
7469 \newcommand{\@biditytffloat@float@textwidth}[3][Opt]{%
7470 \ifthenelse{\NOT\boolean{\@biditytffloat@symmetric}\OR\boolean{\@biditytffloat@float@recto}}
7471 % asymmetric or page is odd, so caption is on the right
7472 \hbox{%
7473 \usebox{#2}%
7474 \hspace{\marginparsep}%
7475 \smash{\raisebox{#1}{\usebox{#3}}}%
7476 }
7477 \@biditytffloat@float@debug{Caption position: [right]}%
7478 }{% symmetric pages and page is even, so caption is on the left
7479 \hbox{%
7480 \smash{\raisebox{#1}{\usebox{#3}}}%
7481 \hspace{\marginparsep}%
7482 \usebox{#2}%
7483 }
7484 \@biditytffloat@float@debug{Caption position: [left]}%
7485 }%
7486 }
7487 \newcommand{\@biditytffloat@float@fullwidth}[3][Opt]{%
7488 \ifthenelse{\equal{\floatalignment}{b}}%
7489 {% place caption above figure
7490 \ifthenelse{\NOT\boolean{\@biditytffloat@symmetric}\OR\boolean{\@biditytffloat@float@recto}}
7491 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytffloat@float@debug}
7492 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytffloat@float@debug}
7493 }{% place caption below figure
7494 \ifthenelse{\NOT\boolean{\@biditytffloat@symmetric}\OR\boolean{\@biditytffloat@float@recto}}
7495 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytffloat@float@debug}
7496 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytffloat@float@debug}
7497 }%
7498 }
7499 \renewenvironment{figure}[1][htbp]%
7500 {\ifvmode\else\unskip\fi\begin{@biditytffloat@float}[#1]{figure}{}}
7501 {\end{@biditytffloat@float}}
7502 \renewenvironment{table}[1][htbp]
7503 {\ifvmode\else\unskip\fi\begin{@biditytffloat@float}[#1]{table}{}}
7504 {\end{@biditytffloat@float}}
7505 \renewenvironment{figure*}[1][htbp]%
7506 {\ifvmode\else\unskip\fi\begin{@biditytffloat@float}[#1]{figure}{star}}
7507 {\end{@biditytffloat@float}}
7508 \renewenvironment{table*}[1][htbp]%
7509 {\ifvmode\else\unskip\fi\begin{@biditytffloat@float}[#1]{table}{star}}
7510 {\end{@biditytffloat@float}}
7511 \newenvironment{fullwidth}

```



```

7512 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
7513   {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{- \@biditytfloat@overhang}}%
7514   {\begin{adjustwidth}{- \@biditytfloat@overhang}}%
7515   }%
7516 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
7517   {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}%
7518   {\end{adjustwidth}}%
7519   }
7520 \long\def\@caption#1[#2]#3{%
7521   \par%
7522   \addcontentsline{\csname ext@#1\endcsname}{#1}%
7523     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
7524   \begingroup%
7525     \@parboxrestore%
7526     \if@minipage%
7527       \setminipage%
7528     \fi%
7529     \@biditytfloat@caption@font\@biditytfloat@caption@justification%
7530     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
7531     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
7532   \endgroup}
7533 %%
7534 % Turns newlines into spaces. Based on code from the `titlesec' package.
7535 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
7536   \ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
7537 }
7538 \def\@biditytfloat@newlinetospace@i{%
7539   \ifdim\lastskip>\z\else\space\fi
7540   \ignorespaces%
7541 }
7542 \DeclareRobustCommand{\newlinetospace}[1]{%
7543   \let\@biditytfloat@orig@cr\% save the original meaning of \
7544   \def\{\@biditytfloat@newlinetospace}% turn \ and \* into \space
7545   \let\newline\% turn \newline into \space
7546   #1%
7547   \let\{\@biditytfloat@orig@cr% revert to original meaning of \
7548 }
7549 \RequirePackage{fancyhdr}
7550 \pagestyle{fancy}
7551 \AtBeginDocument{%
7552   \ifthenelse{\boolean{@biditytfloat@symmetric}}
7553     {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
7554     {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
7555 }
7556 % The running heads/feet don't have rules
7557 \renewcommand{\headrulewidth}{0pt}
7558 \renewcommand{\footrulewidth}{0pt}
7559 % The 'fancy' page style is the default style for all pages.
7560 \fancyhf{} % clear header and footer fields
7561   \ifthenelse{\boolean{@biditytfloat@symmetric}}
7562     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
7563     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7564     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7565 % The 'plain' page style is used on chapter opening pages.

```



```

7566 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
7567 % bottom of pages -- the folios are unexpressed.
7568 \fancypagestyle{plain}{
7569   \fancyhf{} % clear header and footer fields
7570   % Uncomment the following five lines of code if you want the opening page
7571   % of the chapter to express the folio in the lower outside corner.
7572   % \ifthenelse{\boolean{@biditytuftefloat@symmetric}}
7573   %   {\fancyfoot[LE,RO]{\thepage}}
7574   %   {\fancyfoot[RE,RO]{\thepage}}
7575 }
7576 % The `empty' page style suppresses all headers and footers.
7577 % It's used on title pages and `intentionally blank' pages.
7578 \fancypagestyle{empty}{
7579   \fancyhf{} % clear header and footer fields
7580 }
7581 \def\morefloats{% provides a total of 52 floats
7582   \ifthenelse{\isundefined{\bx@S}}{%
7583     \biditytuftefloatDebugInfoNL{Adding 34 more float slots.}
7584     \newinsert\bx@S
7585     \newinsert\bx@T
7586     \newinsert\bx@U
7587     \newinsert\bx@V
7588     \newinsert\bx@W
7589     \newinsert\bx@X
7590     \newinsert\bx@Y
7591     \newinsert\bx@Z
7592     \newinsert\bx@a
7593     \newinsert\bx@b
7594     \newinsert\bx@c
7595     \newinsert\bx@d
7596     \newinsert\bx@e
7597     \newinsert\bx@f
7598     \newinsert\bx@g
7599     \newinsert\bx@h
7600     \newinsert\bx@i
7601     \newinsert\bx@j
7602     \newinsert\bx@k
7603     \newinsert\bx@l
7604     \newinsert\bx@m
7605     \newinsert\bx@n
7606     \newinsert\bx@o
7607     \newinsert\bx@p
7608     \newinsert\bx@q
7609     \newinsert\bx@r
7610     \newinsert\bx@s
7611     \newinsert\bx@t
7612     \newinsert\bx@u
7613     \newinsert\bx@v
7614     \newinsert\bx@w
7615     \newinsert\bx@x
7616     \newinsert\bx@y
7617     \newinsert\bx@z
7618     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7619                 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J

```



```

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

```



```

7674         \@elt\bx@00\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
7675         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
7676         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
7677     }{%
7678     \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
7679     {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or
7680     }%
7681 }%
7682 }
7683 \newboolean{@biditytfloat@packages@subfigure}
7684 \setboolean{@biditytfloat@packages@subfigure}{false}
7685 \AtBeginDocument{%
7686   \@ifpackageloaded{subfigure}
7687   {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
7688   {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}}%
7689 }
7690 \AtBeginDocument{%
7691   \@ifpackageloaded{float}{%
7692     % Save the redefined float environment (instead of the LaTeX float environment)
7693     \let\@biditytfloat@orig@float\float
7694     \let\@biditytfloat@orig@endfloat\endfloat
7695
7696     % Define Tuftian float styles (with the caption in the margin)
7697     \newcommand{\floatc@biditytfloatplain}[2]{%
7698       \begin{lrbox}{\@biditytfloat@caption@box}%
7699         \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%}
7700           \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
7701         \end{minipage}%
7702       \end{lrbox}%
7703       \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
7704   }
7705   \newcommand{\fs@biditytfloatplain}{%
7706     \def\@fs@cfont{\@biditytfloat@caption@font}%
7707     \let\@fs@capt\floatc@biditytfloatplain%
7708     \def\@fs@pre{}%
7709     \def\@fs@post{}%
7710     \def\@fs@mid{}%
7711     \let\@fs@iftopcapt\iftrue%
7712   }
7713   \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
7714   \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
7715   \newcommand\floatc@biditytfloatruled[2]{%
7716     {\@fs@cfont #1} #2\par%
7717   }
7718   \newcommand\fs@biditytfloatruled{%
7719     \def\@fs@cfont{\@biditytfloat@caption@font}%
7720     \let\@fs@capt\floatc@biditytfloatplain%
7721     \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
7722     \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
7723     \def\@fs@mid{}%
7724     \let\@fs@iftopcapt\iftrue%
7725   }
7726   \newcommand\fs@biditytfloatboxed{%
7727     \def\@fs@cfont{}%

```



```

7728 \let\@fs@capt\floatc@biditytfloatplain%
7729 \def\@fs@pre{%
7730 \setbox\@currbox\vbox{\hbadness10000
7731 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
7732 \hrule \hbox to\hsize{\vrule\kern3pt
7733 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
7734 }%
7735 \def\@fs@mid{\kern2pt}%
7736 \def\@fs@post{}%
7737 \let\@fs@iftopcapt\iftrue%
7738 }
7739 }{%
7740 % Nothing to do
7741 }
7742 }
7743 \AtBeginDocument{%
7744 \@ifpackageloaded{algorithm}{%
7745 % Set the float style to the Tuftian version
7746 \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\AL
7747 \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBrea
7748 \floatstyle{biditytfloat\ALG@floatstyle}%
7749 \restylefloat{algorithm}%
7750 }{}%
7751 }{%
7752 % Nothing to do
7753 }
7754 }
7755 \PassOptionsToPackage{caption=false}{subfig}

```

54 File biditytfloatsidenote.sty

```

7756 \NeedsTeXFormat{LaTeX2e}
7757 \ProvidesPackage{biditytfloatsidenote}[2017/08/09 v0.4
7758 bidi implementation of tufte sidenote]
7759 \RequirePackage{xifthen}
7760 \RequirePackage{ragged2e}
7761 \RequirePackage{setspace}
7762 \RequirePackage{biditytools}
7763 \def\biditytfloatsidenotemarginpar{%
7764 \ifhmode
7765 \@bsphack
7766 \@floatpenalty -\@Mii
7767 \else
7768 \@floatpenalty-\@Miii
7769 \fi
7770 \ifinner
7771 \@parmoderr
7772 \@floatpenalty\z@
7773 \else
7774 \@next\@currbox\@freelist{}{}%
7775 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7776 {\@floatpenalty\z@
7777 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7778 \fi

```




```

7779 \@ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteympar}
7780 \long\def\@bidityftesidenotexmpar[#1]#2{%
7781 \@bidityftesidenotesavemarbox\@marbox{#1}%
7782 \@bidityftesidenotesavemarbox\@currbox{#2}%
7783 \@xympar}
7784 \long\def\@bidityftesidenoteympar#1{%
7785 \@bidityftesidenotesavemarbox\@marbox{#1}%
7786 \global\setbox\@currbox\copy\@marbox
7787 \@xympar}
7788 \long\def \@bidityftesidenotesavemarbox #1#2{%
7789 \global\setbox #1%
7790 \color@vbox
7791 \vtop{%
7792 \hsize\marginparwidth
7793 \@parboxrestore
7794 \@bidityftesidenotemarginparreset
7795 #2%
7796 \@minipagefalse
7797 \outer@nobreak
7798 }%
7799 \color@endbox
7800 }
7801 \def \@bidityftesidenotemarginparreset {%
7802 \reset@font
7803 \normalsize
7804 \@minipagetrue
7805 \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
7806 }
7807 \def\LTRbidityftesidenotemarginpar{%
7808 \ifhmode
7809 \@bsphack
7810 \@floatpenalty -\@Mii
7811 \else
7812 \@floatpenalty-\@Miii
7813 \fi
7814 \ifinner
7815 \@parmoderr
7816 \@floatpenalty\z@
7817 \else
7818 \@next\@currbox\@freelist{}{}%
7819 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7820 {\@floatpenalty\z@
7821 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7822 \fi
7823 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
7824 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
7825 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7826 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
7827 \@xympar}
7828 \long\def\@LTRbidityftesidenoteympar#1{%
7829 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7830 \global\setbox\@currbox\copy\@marbox
7831 \@xympar}
7832 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%

```



```

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

```



```

7887     \color@endbox
7888 }
7889 \def \@RTLbidituftesidenotemarginparreset {%
7890     \reset@font
7891     \normalsize
7892     \@minipagetrue
7893     \everypar{\@minipagefalse\everypar{}}\beginR}%
7894 }
7895 \newcommand*{\@bidituftesidenote@marginfont}{\normalfont\footnotesize}
7896 \newcommand*{\@bidituftesidenote@LTRmarginfont}{\normalfont\footnotesize}
7897 \newcommand*{\@bidituftesidenote@RTLmarginfont}{\normalfont\footnotesize}
7898 \newcommand*{\@bidituftesidenote@sidenote@font}{\@bidituftesidenote@marginfont}
7899 \newcommand*{\@bidituftesidenote@LTRsidenote@font}{\@bidituftesidenote@LTRmarginfont}
7900 \newcommand*{\@bidituftesidenote@RTLSidenote@font}{\@bidituftesidenote@RTLmarginfont}
7901 \newcommand*{\@bidituftesidenote@marginnote@font}{\@bidituftesidenote@marginfont}
7902 \newcommand*{\@bidituftesidenote@LTRmarginnote@font}{\@bidituftesidenote@LTRmarginfont}
7903 \newcommand*{\@bidituftesidenote@RTLmarginnote@font}{\@bidituftesidenote@RTLmarginfont}
7904 \newcommand*{\@bidituftesidenote@citation@font}{\@bidituftesidenote@marginfont}
7905 \newcommand*{\@bidituftesidenote@LTRcitation@font}{\@bidituftesidenote@LTRmarginfont}
7906 \newcommand*{\@bidituftesidenote@RTLCitation@font}{\@bidituftesidenote@RTLmarginfont}
7907 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidituftesidenote@sidenote@font}{#1}}
7908 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidituftesidenote@LTRsidenote@font}{#1}}
7909 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidituftesidenote@RTLSidenote@font}{#1}}
7910 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidituftesidenote@marginnote@font}{#1}}
7911 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidituftesidenote@LTRmarginnote@font}{#1}}
7912 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidituftesidenote@RTLmarginnote@font}{#1}}
7913 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidituftesidenote@citation@font}{#1}}
7914 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidituftesidenote@LTRcitation@font}{#1}}
7915 \newcommand*{\setRTLCitationfont}[1]{\renewcommand*{\@bidituftesidenote@RTLCitation@font}{#1}}
7916 \newcommand*{\@bidituftesidenote@sidenote@justification}{\@bidituftesidenote@justification@auto}
7917 \newcommand*{\@bidituftesidenote@marginnote@justification}{\@bidituftesidenote@justification@auto}
7918 \newcommand*{\@bidituftesidenote@citation@justification}{\@bidituftesidenote@justification@auto}
7919 \newcommand*{\@bidituftesidenote@justification@autodetect}{\justifying}%
7920 \newcommand{\@bidituftesidenote@margin@par}{%
7921     \setlength{\RaggedRightParindent}{0.5pc}%
7922     \setlength{\JustifyingParindent}{0.5pc}%
7923     \setlength{\parindent}{0.5pc}%
7924     \setlength{\parskip}{0pt}%
7925 }
7926 %%
7927 % Globally sets the length
7928 \ifundefined{gsetlength}{%
7929 \newcommand*{gsetlength}[2]{%
7930     \setlength{#1}{#2}%
7931     \global#1=#1\relax%
7932 }%
7933 }{}
7934
7935 %%
7936 % A function that removes leading and trailing spaces from the supplied macro.
7937 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
7938 % Executing \@bidituftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
7939 % being trimmed of leading and trailing white space.
7940 \catcode\Q=3

```



```

7941 \def\@bidityftesidenote@trim@spaces#1{%
7942 % Use grouping to emulate a multi-token afterassignment queue
7943 \begingroup%
7944 % Put `\'toks 0 {' into the afterassignment queue
7945 \aftergroup\toks\aftergroup0\aftergroup{%
7946 % Apply \trimb to the replacement text of #1, adding a leading
7947 % \noexpand to prevent brace stripping and to serve another purpose
7948 % later.
7949 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
7950 % Transfer the trimmed text back into #1.
7951 \edef#1{\the\toks0}%
7952 }
7953 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
7954 % clean up any leftover bizarre Qs, and trim a leading space. In
7955 % order for \trimc to work properly we need to put back a Q first.
7956 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
7957 % Execute \vfuzz assignment to remove leading space; the \noexpand
7958 % will now prevent unwanted expansion of a macro or other expandable
7959 % token at the beginning of the trimmed text. The \endgroup will feed
7960 % in the \aftergroup tokens after the \vfuzz assignment is completed.
7961 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
7962 \catcode`Q=11
7963 %%
7964 % Citations should go in the margin as sidenotes
7965
7966 \RequirePackage{natbib}
7967 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography env
7968 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
7969 \renewcommand\BR@b@bibitem[2] []{%
7970 \ifthenelse{\isempty{#1}}%
7971 {\BR@bibitem{#2}}%
7972 {\BR@bibitem[#1]{#2}}%
7973 \BR@c@bibitem{#2}}%
7974 }
7975 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
7976 %%
7977 % Normal \cite behavior
7978 \newcounter{@bidityftesidenote@num@bibkeys}%
7979 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt] {%
7980 % Snag the last bibentry in the list for later comparison
7981 \let\@temp@last@bibkey\@empty%
7982 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
7983 \sidenote[] [#1] {%
7984 % Loop through all the bibentries, separating them with semicolons and spaces
7985 \normalsize\normalfont\@bidityftesidenote@citation@font%
7986 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
7987 \@for\@temp@bibkeyx:=#2\do{%
7988 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
7989 {\ifthenelse{equal{value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
7990 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7991 \bibentry{\@temp@bibkeyx}}%
7992 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7993 \bibentry{\@temp@bibkeyx};\ }%
7994 \stepcounter{@bidityftesidenote@num@bibkeys}}%

```



```

7995 }%
7996 }%
7997 }
7998 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
7999 % Snag the last bibentry in the list for later comparison
8000 \let\@temp@last@bibkey\@empty%
8001 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8002 \LTRsidenote[] [#1]{%
8003 % Loop through all the bibentries, separating them with semicolons and spaces
8004 \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
8005 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
8006 \@for\@temp@bibkeyx:=#2\do{%
8007 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8008 {\ifthenelse{equal{value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8009 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8010 \bibentry{\@temp@bibkeyx}}%
8011 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8012 \bibentry{\@temp@bibkeyx};\ }%
8013 \stepcounter{\@bidityftesidenote@num@bibkeys}%
8014 }%
8015 }%
8016 }
8017 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
8018 % Snag the last bibentry in the list for later comparison
8019 \let\@temp@last@bibkey\@empty%
8020 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8021 \RTLsidenote[] [#1]{%
8022 % Loop through all the bibentries, separating them with semicolons and spaces
8023 \normalsize\normalfont\@bidityftesidenote@citation@font%
8024 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
8025 \@for\@temp@bibkeyx:=#2\do{%
8026 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8027 {\ifthenelse{equal{value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8028 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8029 \bibentry{\@temp@bibkeyx}}%
8030 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8031 \bibentry{\@temp@bibkeyx};\ }%
8032 \stepcounter{\@bidityftesidenote@num@bibkeys}%
8033 }%
8034 }%
8035 }
8036 %%
8037 % Macros for holding the list of cite keys until after the \sidenote
8038 \gdef\@bidityftesidenote@citations{}% list of cite keys
8039 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
8040 \ifx\@bidityftesidenote@citations\@empty\else
8041 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
8042 \fi
8043 \g@addto@macro\@bidityftesidenote@citations{#1}
8044 }
8045 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin no
8046 % Snag the last bibentry in the list for later comparison
8047 \let\@temp@last@bibkey\@empty%
8048 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%

```



```

8049 \marginpar{%
8050   \hbox{} \vspace*{#1}%
8051   \@bidityftesidenote@citation@font%
8052   \@bidityftesidenote@citation@justification%
8053   \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8054   \vspace*{-1\baselineskip}%
8055   % Loop through all the bibentries, separating them with semicolons and spaces
8056   \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8057   \for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
8058     \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8059       {\ifthenelse{equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{and\ }%
8060        \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8061        \bibentry{\@temp@bibkeyx}}%
8062       {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8063        \bibentry{\@temp@bibkeyx};\ }%
8064     \stepcounter{@bidityftesidenote@num@bibkeys}%
8065   }%
8066 }%
8067 }
8068 %%
8069 % \cite behavior when executed within a sidenote
8070 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
8071 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
8072   \@bidityftesidenote@add@citation{#1}
8073 }
8074 %%
8075 % Set the default \cite style. This is set and reset by the \sidenote command.
8076 \let\cite\@bidityftesidenote@normal@cite
8077 \let\LTRcite\@bidityftesidenote@normal@cite
8078 \let\RTLcite\@bidityftesidenote@normal@cite
8079 %%
8080 % Transform existing \footnotes into \sidenotes
8081 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
8082 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional argu
8083 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
8084 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
8085 % Override footmisc's definition to set the sidenote marks (numbers) inside the
8086 % sidenote's text block.
8087 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@bidityftesidenote
8088 % Set the in-text footnote mark in the same typeface as the body text itself.
8089 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnote
8090 \providecommand*\@multiplefootnotemark}{3sp}
8091 \providecommand*\@multfootsep}{,}
8092 \bidi@patch@AfterPackage{bidi}{%
8093 \renewcommand{\@footnotemark}{%
8094   \leavevmode%
8095   \ifhmode%
8096     \edef\@x@sf{\the\spacefactor}%
8097     \@bidityftesidenote@check@multiple@sidenotes%
8098     \nobreak%
8099   \fi%
8100   \@makefnmark%
8101   \ifhmode\spacefactor\@x@sf\fi%
8102   \relax%

```



```

8103 }%
8104 }
8105 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
8106   \ifdim\lastkern=\multiplefootnotemarker\relax%
8107     \edef\@x@sf{\the\spacefactor}%
8108     \unkern%
8109     \textsuperscript{\multfootsep}%
8110     \spacefactor\@x@sf\relax%
8111   \fi
8112 }
8113 \bidi@patch@AfterPackage{bidi}{%
8114 \renewcommand\@footnotetext[2][Opt]{%
8115   \bidityftesidenotemarginpar{%
8116     \hbox{}}\vspace*{#1}%
8117     \def\baselinestretch {\setspace@singlespace}%
8118     \reset@font%
8119     \bidi@@footnotetext@font% \reset@font\footnotesize%
8120     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8121     \vspace*{-1\baselineskip}\noindent%
8122     \protected@edef\@currentlabel{%
8123       \csname p@footnote\endcsname\@thefnmark%
8124     }%
8125     \color@begingroup%
8126       \@makefntext{%
8127         \ignorespaces#2%
8128       }%
8129     \color@endgroup%
8130   }%
8131 }%
8132 \renewcommand\@LTRfootnotetext[2][Opt]{%
8133   \LTRbidityftesidenotemarginpar{%
8134     \hbox{}}\vspace*{#1}%
8135     \def\baselinestretch {\setspace@singlespace}%
8136     \reset@font%
8137     \bidi@@LTRfootnotetext@font% \reset@font\footnotesize%
8138     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8139     \vspace*{-1\baselineskip}\noindent%
8140     \protected@edef\@currentlabel{%
8141       \csname p@footnote\endcsname\@thefnmark%
8142     }%
8143     \color@begingroup%
8144       \@makefntext{%
8145         \ignorespaces#2%
8146       }%
8147     \color@endgroup%
8148   }%
8149 }%
8150 \renewcommand\@RTLfootnotetext[2][Opt]{%
8151   \RTLbidityftesidenotemarginpar{%
8152     \hbox{}}\vspace*{#1}%
8153     \def\baselinestretch {\setspace@singlespace}%
8154     \reset@font%
8155     \bidi@@RTLfootnotetext@font% \reset@font\footnotesize%
8156     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text

```



```

8157 \vspace*{-1\baselineskip}\noindent%
8158 \protected@edef\@currentlabel{%
8159 \csname p@footnote\endcsname\@thefnmark%
8160 }%
8161 \color@begingroup%
8162 \makefnintext{%
8163 \ignorespaces#2%
8164 }%
8165 \color@endgroup%
8166 }%
8167 }%
8168 }
8169 %
8170 % Define \sidenote command. Can handle \cite.
8171 \newlength{\@bidituftesidenote@sidenote@vertical@offset}
8172 \setlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}
8173 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
8174 \long\def\@bidituftesidenote@sidenote[#1][#2]#3{%
8175 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
8176 \gdef\@bidituftesidenote@citations{}% clear out any old citations
8177 \ifthenelse{\NOT\isempty{#2}}{%
8178 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
8179 }{%
8180 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
8181 }%
8182 \ifthenelse{\isempty{#1}}{%
8183 % no specific footnote number provided
8184 \stepcounter\@mpfn%
8185 \protected@xdef\@thefnmark{\thempfn}%
8186 \@footnotemark\@footnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8187 }{%
8188 % specific footnote number provided
8189 \begingroup%
8190 \csname c@\@mpfn\endcsname #1\relax%
8191 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8192 \endgroup%
8193 \@footnotemark\@footnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8194 }%
8195 \@bidituftesidenote@print@citations% print any citations
8196 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite comm
8197 \let\LTRcite\@bidituftesidenote@LTR@normal@cite% go back to using normal in-text \LTR
8198 \let\RTLcite\@bidituftesidenote@RTL@normal@cite% go back to using normal in-text \RTL
8199 \unskip\ignorespaces% remove extra white space
8200 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
8201 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8202 }
8203 \long\def\LTRbidituftesidenote@sidenote[#1][#2]#3{%
8204 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
8205 \gdef\@bidituftesidenote@citations{}% clear out any old citations
8206 \ifthenelse{\NOT\isempty{#2}}{%
8207 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
8208 }{%
8209 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
8210 }%

```




```

8211 \ifthenelse{\isempty{#1}}{%
8212   % no specific footnote number provided
8213   \stepcounter{\@mpfn%
8214   \protected@xdef\@thefnmark{\thempfn}%
8215   \@footnotemark\@LTRfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8216 }{%
8217   % specific footnote number provided
8218   \begingroup%
8219   \csname c@\@mpfn\endcsname #1\relax%
8220   \unrestored@protected@xdef\@thefnmark{\thempfn}%
8221   \endgroup%
8222   \@footnotemark\@LTRfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8223 }%
8224 \@bidituftesidenote@print@citations%           print any citations
8225 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite comm
8226 \let\LTRcite\@bidituftesidenote@normal@cite%   go back to using normal in-text \LTR
8227 \let\RTLcite\@bidituftesidenote@normal@cite%   go back to using normal in-text \RTL
8228 \unskip\ignorespaces%                          remove extra white space
8229 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
8230 \kern\multiplefootnotemarker\relax%            add new \kern here to replace the one we yanked
8231 }
8232 \long\def\@RTLbidituftesidenote@sidenote[#1][#2]#3{%
8233 \let\cite\@bidituftesidenote@infootnote@cite%  use the in-sidenote \cite command
8234 \gdef\@bidituftesidenote@citations{}%         clear out any old citations
8235 \ifthenelse{\NOT\isempty{#2}}{%
8236   \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
8237 }{%
8238   \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
8239 }%
8240 \ifthenelse{\isempty{#1}}{%
8241   % no specific footnote number provided
8242   \stepcounter{\@mpfn%
8243   \protected@xdef\@thefnmark{\thempfn}%
8244   \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8245 }{%
8246   % specific footnote number provided
8247   \begingroup%
8248   \csname c@\@mpfn\endcsname #1\relax%
8249   \unrestored@protected@xdef\@thefnmark{\thempfn}%
8250   \endgroup%
8251   \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8252 }%
8253 \@bidituftesidenote@print@citations%           print any citations
8254 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite comm
8255 \let\LTRcite\@bidituftesidenote@normal@cite%   go back to using normal in-text \LTR
8256 \let\RTLcite\@bidituftesidenote@normal@cite%   go back to using normal in-text \RTL
8257 \unskip\ignorespaces%                          remove extra white space
8258 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
8259 \kern\multiplefootnotemarker\relax%            add new \kern here to replace the one we yanked
8260 }
8261 \newcommand{\sidenote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}
8262 \newcommand{\LTRsidenote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}
8263 \newcommand{\RTLSidenote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}
8264 \bidi@patch@AfterPackage{bidi}{%

```



```

8265 \renewcommand{\footnote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}%
8266 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}%
8267 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}%
8268 }
8269 %%
8270 % Sidenote without the footnote mark
8271 \newcommand\marginnote[2] [Opt]{%
8272 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
8273 \gdef\@bidituftesidenote@citations{}% clear out any old citations
8274 \bidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@marginnote@font\@biditu
8275 \@bidituftesidenote@print@citations% print any citations
8276 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite comm
8277 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTR
8278 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTL
8279 }
8280 \newcommand\LTRmarginnote[2] [Opt]{%
8281 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
8282 \gdef\@bidituftesidenote@citations{}% clear out any old citations
8283 \LTRbidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@LTRmarginnote@font\@
8284 \@bidituftesidenote@print@citations% print any citations
8285 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite comm
8286 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTR
8287 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTL
8288 }
8289 \newcommand\RTLmarginnote[2] [Opt]{%
8290 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
8291 \gdef\@bidituftesidenote@citations{}% clear out any old citations
8292 \RTLbidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@RTLmarginnote@font\@
8293 \@bidituftesidenote@print@citations% print any citations
8294 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite comm
8295 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTR
8296 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTL
8297 }

```

55 File bidituftetoc.sty

```

8298 \NeedsTeXFormat{LaTeX2e}
8299 \ProvidesPackage{bidituftetoc}[2011/06/17 v0.1
8300 bidi implementation of tufte toc]
8301 \RequirePackage{titlesec,titletoc,xifthen,biditools}
8302 \newcommand{\@bidituftetoc@pkgname}{bidituftetoc}
8303 \newcommand{\bidituftetocError}[2]{\PackageError{\@bidituftetoc@pkgname}{#1}{#2}}
8304 %%
8305 % Turn off section numbering
8306 \setcounter{secnumdepth}{-1}
8307 \newboolean{@bidituftetoc@toc}
8308 \setboolean{@bidituftetoc@toc}{true}
8309 \DeclareOption{notoc}{\setboolean{@bidituftetoc@toc}{false}}
8310 \DeclareOption{toc}{\setboolean{@bidituftetoc@toc}{true}}
8311 \ProcessOptions
8312 %%
8313 % Make Tuftian-style section headings and TOC formatting
8314 \bidi@patch@AfterPackage{bidi}{%
8315 \titleformat{\chapter}%

```



```

8316 [display]% shape
8317 {\relax\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\begin{fullwidth}}{}}% format
8318 {\itshape\huge\thechapter}% label
8319 {Opt}% horizontal separation between label and title body
8320 {\huge\rmfamily\itshape}% before the title body
8321 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}}% after the title
8322 \titleformat{\section}%
8323 [hang]% shape
8324 {\normalfont\Large\itshape}% format applied to label+text
8325 {\thesection}% label
8326 {1em}% horizontal separation between label and title body
8327 {}% before the title body
8328 []% after the title body
8329 \titleformat{\subsection}%
8330 [hang]% shape
8331 {\normalfont\large\itshape}% format applied to label+text
8332 {\thesubsection}% label
8333 {1em}% horizontal separation between label and title body
8334 {}% before the title body
8335 []% after the title body
8336 \titleformat{\paragraph}%
8337 [runin]% shape
8338 {\normalfont\itshape}% format applied to label+text
8339 {\theparagraph}% label
8340 {1em}% horizontal separation between label and title body
8341 {}% before the title body
8342 []% after the title body
8343 \titlespacing*{\chapter}{Opt}{50pt}{40pt}
8344 \titlespacing*{\section}{Opt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
8345 \titlespacing*{\subsection}{Opt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
8346 }
8347 % Subsubsection and following section headings shouldn't be used.
8348 % See Bringhurst's The Elements of Typography, section 4.2.2.
8349 \renewcommand\subsubsection{%
8350 \biditytetocError{\noexpand\subsubsection is undefined by this class.%
8351 \MessageBreak See Robert Bringhurst's The Elements of
8352 \MessageBreak Typographic Style, section 4.2.2.
8353 \MessageBreak \noexpand\subsubsection was used}
8354 {From Bringhurst's The Elements of Typographic Style, section 4.2.2: Use as
8355 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8356 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
8357 }
8358 \renewcommand\subparagraph{%
8359 \biditytetocError{\noexpand\subparagraph is undefined by this class.%
8360 \MessageBreak See Robert Bringhurst's The Elements of
8361 \MessageBreak Typographic Style, section 4.2.2.
8362 \MessageBreak \noexpand\subparagraph was used}
8363 {From Bringhurst's The Elements of Typographic Style, section 4.2.2: Use as
8364 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8365 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
8366 }
8367 % Formatting for main TOC (printed in front matter)
8368 {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
8369 \ifthenelse{\boolean{@biditytetoc@toc}}{

```



```

8370 \bidi@patch@AfterPackage{bidi}{%
8371 \titlecontents{part}% FIXME
8372     [0em] % distance from left margin
8373     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
8374     {\contentslabel{2em}} % before w/label (label = ``II'')
8375     {} % before w/o label
8376     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8377     [\end{fullwidth}] % after
8378 \titlecontents{chapter}%
8379     [0em] % distance from left margin
8380     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
8381     {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
8382     {\hspace*{0em}} % before w/o label
8383     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8384     [\end{fullwidth}] % after
8385 \titlecontents{section}% FIXME
8386     [0em] % distance from left margin
8387     {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
8388     {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
8389     {\hspace*{2em}} % before w/o label
8390     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8391     [\end{fullwidth}] % after
8392 \titlecontents{subsection}% FIXME
8393     [0em] % distance from left margin
8394     {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
8395     {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
8396     {\hspace*{4em}} % before w/o label
8397     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8398     [\end{fullwidth}] % after
8399 \titlecontents{paragraph}% FIXME
8400     [0em] % distance from left margin
8401     {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global f
8402     {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
8403     {\hspace*{6em}} % before w/o label
8404     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8405     [\end{fullwidth}] % after
8406 }%
8407 }{}
8408 %%
8409 % Format lists of figures/tables
8410 \renewcommand\listoffigures{%
8411   \@ifundefined{chapter}%
8412     {\section*{\listfigurename}}%
8413     {\chapter*{\listfigurename}}%
8414 % \begin{fullwidth}%
8415 % \starttoc{lof}%
8416 % \end{fullwidth}%
8417 }
8418 \renewcommand\listoftables{%
8419   \@ifundefined{chapter}%
8420     {\section*{\listtablename}}%
8421     {\chapter*{\listtablename}}%
8422 % \begin{fullwidth}%
8423 % \starttoc{lot}%

```



```

8424 % \end{fullwidth}%
8425 }
8426 \newcommand{\@biditytetoc@lof@line}[2]{%
8427 % #1 is the figure/table number and its caption text
8428 % #2 is the page number on which the figure/table appears
8429 \leftskip 0.0em
8430 \rightskip 0em
8431 \parfillskip 0em plus 1fil
8432 \parindent 0.0em
8433 \@afterindenttrue
8434 \interlinepenalty\@M
8435 \leavevmode
8436 \@tempdima 2.0em
8437 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8438 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
8439 {#1}\nobreak\quad\nobreak#2%
8440 \par%
8441 }
8442 \renewcommand*\l@figure{\@biditytetoc@lof@line}
8443 \let\l@table\l@figure

```

56 File biditytegeneralstructure.sty

```

8444 \NeedsTeXFormat{LaTeX2e}
8445 \ProvidesPackage{biditytegeneralstructure}[2011/06/18 v0.1
8446 bidi implementation of tufte general structure]
8447 \renewcommand\small{%
8448   \@setfontsize\small\@ixpt{12}%
8449   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
8450   \abovedisplayshortskip \z@ \@plus2\p@
8451   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
8452   \def\@listi{\leftmargin\leftmargini
8453     \topsep 4\p@ \@plus2\p@ \@minus2\p@
8454     \parsep 2\p@ \@plus\p@ \@minus\p@
8455     \itemsep \parsep}%
8456   \belowdisplayskip \abovedisplayskip
8457 }
8458 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
8459 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vipt}
8460 \renewcommand\large{\@setfontsize\large\@xipt{15}}
8461 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
8462 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
8463 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
8464 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
8465 \setlength\leftmargini {1pc}
8466 \setlength\leftmarginii {1pc}
8467 \setlength\leftmarginiii {1pc}
8468 \setlength\leftmarginiv {1pc}
8469 \setlength\leftmarginv {1pc}
8470 \setlength\leftmarginvi {1pc}
8471 \setlength\labelsep {0.5pc}
8472 \setlength\labelwidth {\leftmargini}
8473 \addtolength\labelwidth{-\labelsep}
8474 \setlength{\parindent}{1.0pc}%

```



```

8475 \setlength{\parskip}{0pt}%
8476 \RequirePackage{ragged2e}
8477 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
8478 % Paragraph indentation and separation for normal text
8479 \newcommand{\@bidityftegeneralstructure@reset@par}{%
8480   \setlength{\RaggedRightParindent}{1.0pc}%
8481   \setlength{\JustifyingParindent}{1.0pc}%
8482   \setlength{\parindent}{1pc}%
8483   \setlength{\parskip}{0pt}%
8484 }
8485 \@bidityftegeneralstructure@reset@par
8486 % Require paralist package for tighter lists
8487 \RequirePackage{paralist}
8488 % Add rightmargin to compactenum
8489 \def\@compactenum@{%
8490   \expandafter\list\csname label\@enumctr\endcsname{%
8491     \usecounter{\@enumctr}%
8492     \rightmargin=2em% added this
8493     \parsep\plparsep
8494     \itemsep\plitemsep
8495     \topsep\pltopsep
8496     \partopsep\plpartopsep
8497     \def\makelabel##1{\hss\llap{##1}}}}
8498 %%
8499 % An environment for paragraph-style section
8500 \providecommand\newthought[1]{%
8501   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
8502   \noindent\textbf{#1}%
8503 }
8504 %%
8505 % Redefine the display environments (quote, quotation, etc.)
8506 \renewenvironment{verse}
8507   {\let\@centercr
8508     \list{}{\itemsep \z@
8509       \itemindent -1pc%
8510       \listparindent\itemindent
8511       \rightmargin \leftmargin
8512       \advance\leftmargin 1pc}%
8513     \small%
8514     \item\relax}
8515   {\endlist}
8516 \renewenvironment{quotation}
8517   {\list{}{\listparindent 1pc%
8518     \itemindent \listparindent
8519     \rightmargin \leftmargin
8520     \parsep \z@ \@plus\p@}%
8521     \small%
8522     \item\relax\noindent\ignorespaces}
8523   {\endlist}
8524 \renewenvironment{quote}
8525   {\list{}{\rightmargin\leftmargin}%
8526     \small%
8527     \item\relax}
8528   {\endlist}

```



```

8529 % Italicize description run-in headings (instead of the default bold)
8530 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
8531 %%
8532 % Redefine \bibsection to not mark the running heads.
8533 % (Code modified from natbib.sty.)
8534 \@ifundefined{chapter}%
8535   {\renewcommand\bibsection{\section*{\refname}}}
8536   {\@ifundefined{NAT@sectionbib}%
8537     {\renewcommand\bibsection{\chapter{\bibname}}}
8538     {\renewcommand\bibsection{\section*{\bibname}}}}
8539 \RequirePackage{multicol}
8540 \renewenvironment{theindex}{%
8541 \@ifundefined{chapter}%
8542   {\section*{\indexname}}%
8543   {\chapter{\indexname}}%
8544 \begin{fullwidth}%
8545 \small%
8546 \parskip0pt%
8547 \parindent0pt%
8548 \let\item\@idxitem%
8549 \begin{multicols}{3}%
8550 }{%
8551 \end{multicols}%
8552 \end{fullwidth}%
8553 }
8554 \AtBeginDocument{%
8555 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
8556 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
8557 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
8558 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
8559 \newcommand{\lettergroup}[1]{% swallow the letter heading in the index

```

57 File `bidituftehyperref.sty`

```

8560 \NeedsTeXFormat{LaTeX2e}
8561 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
8562 bidi implementation of tufte hyperref]
8563 %%
8564 % Color
8565 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
8566 \newboolean{@bidituftehyperref@loadhyper}
8567 \setboolean{@bidituftehyperref@loadhyper}{true}
8568 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
8569 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
8570 \ProcessOptions
8571 %% Loads the hyperref package and sets some default options.
8572 \newcommand{\bidituftehyperrefLoadHyperref}{%
8573 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
8574 \hypersetup{%
8575   bookmarksdepth = section,
8576   citecolor = DarkGreen,
8577   linkcolor = DarkBlue,
8578   % pagecolor = DarkBlue,
8579   urlcolor = DarkGreen,

```



```

8580 }%
8581 }
8582 \ifthenelse{\boolean{@biditytftt@loadhyper}}{%
8583   \biditytftt@loadhyper%
8584 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
8585   \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
8586 }

```

58 File biditytftt.sty

```

8587 \NeedsTeXFormat{LaTeX2e}
8588 \ProvidesPackage{biditytftt}[2011/06/18 v0.1
8589 bidi implementation of tufte title]
8590 \RequirePackage{biditytools}
8591 %%
8592 % `titlepage' option -- creates a full title page with \maketitle
8593 \newboolean{@biditytftt@titlepage}
8594 \DeclareOption{titlepage}{\setboolean{@biditytftt@titlepage}{true}}
8595 \DeclareOption{notitlepage}{\setboolean{@biditytftt@titlepage}{false}}
8596 % Default `book' and `handout' options
8597 \ifclassloaded{book}{%
8598 \ExecuteOptions{titlepage}}{%
8599 \ifclassloaded{article}{%
8600 \ExecuteOptions{notitlepage}}%
8601 {}}
8602 \ProcessOptions
8603 %%
8604 % Modified \title, \author, and \date commands. These store the
8605 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
8606 \newcommand{\plaintitle}{}% plain-text-only title
8607 \newcommand{\plainauthor}{}% plain-text-only author
8608 \newcommand{\plainpublisher}{}% plain-text-only publisher
8609 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
8610 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
8611 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
8612 \newcommand{\@publisher}{}% full publisher with \thanks{}
8613 \newcommand{\thedata}{\today}
8614 \bidity@patch@AfterPackage{bidi}{%
8615 \renewcommand{\thanks}[1]{\footnote{#1}}
8616 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
8617 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
8618 }
8619 \renewcommand{\title}[2][]{%
8620 \gdef\@title{#2}%
8621 \begingroup%
8622 % TODO store contents of \thanks command
8623 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8624 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8625 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8626 \protected@xdef\thanklesstitle{#2}%
8627 \endgroup%
8628 \ifthenelse{\isempty{#1}}%
8629 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
8630 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title

```




```

8631 \@ifundefined{hypersetup}%
8632   {}% hyperref is not loaded; do nothing
8633   {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
8634 }
8635 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
8636 \renewcommand{\author}[2] [] {%
8637   \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
8638   \begingroup%
8639     % TODO store contents of \thanks command
8640     \renewcommand{\thanks}[1] {}% swallow \thanks contents
8641     \renewcommand{\LTRthanks}[1] {}% swallow \LTRthanks contents
8642     \renewcommand{\RTLthanks}[1] {}% swallow \RTLthanks contents
8643     \protected@xdef\thanklessauthor{#2}%
8644   \endgroup%
8645   \ifthenelse{\isempty{#1}}%
8646     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
8647     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
8648 \@ifundefined{hypersetup}%
8649   {}% hyperref is not loaded; do nothing
8650   {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
8651 }
8652 \renewcommand{\date}[1] {%
8653   \gdef\@date{#1}%
8654   \begingroup%
8655     % TODO store contents of \thanks command
8656     \renewcommand{\thanks}[1] {}% swallow \thanks contents
8657     \renewcommand{\LTRthanks}[1] {}% swallow \LTRthanks contents
8658     \renewcommand{\RTLthanks}[1] {}% swallow \RTLthanks contents
8659     \protected@xdef\thedata{#1}%
8660   \endgroup%
8661 }
8662 %%
8663 % Provides a \publisher command to set the publisher
8664 \newcommand{\publisher}[2] [] {%
8665   \gdef\@publisher{#2}%
8666   \begingroup%
8667     \renewcommand{\thanks}[1] {}% swallow \thanks contents
8668     \renewcommand{\LTRthanks}[1] {}% swallow \LTRthanks contents
8669     \renewcommand{\RTLthanks}[1] {}% swallow \RTLthanks contents
8670     \protected@xdef\thanklesspublisher{#2}%
8671   \endgroup%
8672   \ifthenelse{\isempty{#1}}
8673     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
8674     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
8675 }
8676 %%
8677 % Produces a full title page
8678 \newcommand{\maketitlepage}[0] {%
8679   \cleardoublepage%
8680   {%
8681     \bfseries%
8682     \begin{fullwidth}%
8683     \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
8684     \vspace{11.5pc}%

```



```

8685 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
8686 \vfill%
8687 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
8688 \end{fullwidth}%
8689 }
8690 \thispagestyle{empty}%
8691 \clearpage%
8692 }
8693 %%
8694 % Title block
8695 \bidi@AfterEndPreamble{%
8696 \renewcommand{\maketitle}{%
8697 \newpage%
8698 \global\@topnum\z@% prevent floats from being placed at the top of the page
8699 \begingroup%
8700 \setlength{\parindent}{0pt}%
8701 \setlength{\parskip}{4pt}%
8702 \let\@title\@empty%
8703 \let\@author\@empty%
8704 \let\@date\@empty%
8705 \gdef\@title{\LARGE\itshape\@title\par}%
8706 \gdef\@author{\Large\itshape\@author\par}%
8707 \gdef\@date{\Large\itshape\@date\par}%
8708 \@title%
8709 \@author%
8710 \@date%
8711 \endgroup%
8712 \thispagestyle{plain}% suppress the running head
8713 }%
8714 }
8715 %%
8716 % Title page (if the `titlepage' option was passed to the biditytetitle-handout
8717 % class.)
8718 \bidi@AfterEndPreamble{%
8719 \ifthenelse{\boolean{@biditytetitle@titlepage}}
8720 {\renewcommand{\maketitle}{\maketitlepage}}
8721 {}
8722 }
8723 %%
8724 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
8725 % without headers and footers
8726 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
8727 \hbox{}
8728 %\vspace*{\fill}
8729 %\begin{center}
8730 % This page intentionally contains only this sentence.
8731 %\end{center}
8732 %\vspace{\fill}
8733 \thispagestyle{empty}
8734 \newpage
8735 \if@twocolumn\hbox{} \newpage\fi\fi\fi}

```

59 File biditytetite-handout.cls



```

8736 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8737 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
8738 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
8739 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
8740 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
8741 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
8742 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
8743 \ProcessOptions\relax
8744 \LoadClass{article}
8745 \RequirePackage{bidituftefloat}
8746 \RequirePackage{bidituftesidenote}
8747 \RequirePackage{bidituftetoc}
8748 \RequirePackage{bidituftegeneralstructure}
8749 \RequirePackage{bidituftehyperref}
8750 \RequirePackage{bidituftetitle}
8751 \renewenvironment{abstract}
8752   {\begin{quotation}}
8753   {\end{quotation}}
8754 \AtBeginDocument{%
8755 \IfFileExists{biditufte-handout.cfg}
8756   {\input{biditufte-handout.cfg}
8757   \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
8758   }%
8759 }

```

60 File biditufte-book.cls

```

8760 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8761 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
8762 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
8763 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
8764 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
8765 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
8766 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
8767 \ProcessOptions\relax
8768 \LoadClass{book}
8769 \RequirePackage{bidituftefloat}
8770 \RequirePackage{bidituftesidenote}
8771 \RequirePackage{bidituftetoc}
8772 \RequirePackage{bidituftegeneralstructure}
8773 \RequirePackage{bidituftehyperref}
8774 \RequirePackage{bidituftetitle}
8775 %%
8776 % Set up any book-specific stuff now
8777 %%
8778 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
8779 % to the opening page of Chapter 1. The running heads, when they appear,
8780 % contain only the (arabic) page number in the outside corner.
8781 %\newif\if@mainmatter \@mainmattertrue
8782 \renewcommand\frontmatter{%
8783   \cleardoublepage%
8784   \@mainmatterfalse%
8785   \pagenumbering{arabic}%
8786   %\pagestyle{plain}%

```



```

8787 \fancyhf{}%
8788 \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
8789 {\fancyhead[LE,RO]{\thepage}}%
8790 {\fancyhead[RE,RO]{\thepage}}%
8791 }
8792 %%
8793 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
8794 % numbering---it continues where it left off in the front matter.
8795 \renewcommand\mainmatter{%
8796 \cleardoublepage%
8797 \@mainmattertrue%
8798 \fancyhf{}%
8799 \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
8800 {\renewcommand\chaptermark}[1]{\markboth{##1}{}}%
8801 \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
8802 \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
8803 {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
8804 }
8805 %%
8806 % The back matter contains appendices, indices, glossaries, endnotes,
8807 % bibliographies, list of contributors, illustration credits, etc.
8808 \renewcommand\backmatter{%
8809 \if@openright%
8810 \cleardoublepage%
8811 \else%
8812 \clearpage%
8813 \fi%
8814 \@mainmatterfalse%
8815 }
8816 %%
8817 % Only show the chapter titles in the table of contents
8818 \setcounter{tocdepth}{0}
8819 \AtBeginDocument{%
8820 \IfFileExists{biditytufte-book.cfg}
8821 {\input{biditytufte-book.cfg}
8822 \ClassInfo{biditytufte-book}{Loading biditytufte-book configuration file \@gobble}}
8823 {}%
8824 }

```

61 File bidipoem.sty

```

8825 \NeedsTeXFormat{LaTeX2e}
8826 \ProvidesPackage{bidipoem}%
8827 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
8828
8829 % Usage:
8830 %
8831 % \Setversedim #1#2 % define the layout (within a group):
8832 % #1 = length of both half-verses
8833 % #2 = separation distance = length of a connection, if present
8834 % Variant:
8835 % \Setversedim #1[#2]#3 % for half-verses of unequal length
8836 % #1 = length of first (=right) half-verse
8837 % #2 = length of second (=left) half-verse

```



```

8838 % #3 = separation distance = length of a connection, if present
8839 %
8840 % \traditionalhalfverses #1#2 % typeset two separated half-verses
8841 % #1 = text of first (=right) half-verse
8842 % #2 = text of second (=left) half-verse
8843 % Variant:
8844 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
8845 % #1 = text of first (=right) half-verse
8846 % #2 = text of connection
8847 % #3 = text of second (=left) half-verse
8848 %
8849 % Alternative (if preferred):
8850 %
8851 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
8852
8853
8854 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1[#2]}
8855
8856 % define the layout, verses will be centered
8857
8858 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
8859 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
8860
8861 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
8862 \bidipoem@hvind \textwidth
8863 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
8864 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []\else
8865 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
8866
8867 \def \bidipoem@set@verseI [#1]{% optional parameter
8868 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
8869
8870 \newcommand*{\bidipoem@set@@verse}[1]{% separation
8871 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
8872 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
8873
8874 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
8875 \ifdim Opt > \bidipoem@hvind %
8876 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
8877 \else
8878 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
8879 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
8880 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
8881 \par }
8882
8883 % macro for two half verses
8884 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
8885 \ifx [#2\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
8886 \else\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
8887 \bidipoem@half@verses@next}
8888
8889 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
8890 \traditionalconnverses {#1}{#2}{#3}}
8891

```



```

8892
8893 {\catcode\^^M=\active % these lines must end with %
8894 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
8895 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
8896 {\catcode\^^M=\active % these lines must end with %
8897 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
8898 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
8899 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
8900 \def\poemmarginskip{1em plus 1fil minus 1em}
8901 \def\poemextrabaseskip{0\baselineskip}
8902 \def\poemskip{\medskip}
8903 \newcommand{\bidipoem@openbox}{\leavevmode
8904 \hbox to.77778em{%
8905 \hfil\vrule
8906 \vbox to.675em{\hrule width.6em\vfil\hrule}%
8907 \vrule\hfil}}
8908 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
8909 \newdimen\versewidth
8910 \newtoks\bidipoem@p@ftn
8911 \def\poem@verse#1{%
8912 \ifdim\wd#1>\new@poem@width
8913 \xdef\new@poem@width{\the\wd#1}%
8914 \ifdim\new@poem@width>\poem@width
8915 \xdef\poem@width{\new@poem@width}%
8916 \global\let\poem@needrun\relax
8917 \fi
8918 \fi
8919 \hbox to\poem@width{\unhbox#1}%
8920 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
8921 }
8922 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmarginskip\relax}
8923 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
8924 \def\poem@lineversesep{%
8925 \nobreak
8926 \hskip\z@ plus 1filll%
8927 \penalty600%
8928 \hskip\poemcolsepskip
8929 \hskip\z@ plus -2filll%
8930 \vadjust{}}%
8931 \nobreak
8932 \hskip\z@ plus 1filll%
8933 }
8934 \def\poem@lineparsebegin{%
8935 \halign\bgroup
8936 \global\setbox\verse@i=\hbox{%
8937 \let\@footnotetext\bidipoem@p@ftntext%
8938 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8939 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8940 \let\@xfootnotenext\bidipoem@p@xftntext%
8941 \let\@xfootnote\bidipoem@p@xfootnote%
8942 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8943 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8944 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8945 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%

```



```

8946 \ignorespaces##\unskip}&&
8947 \global\setbox\verse@ii=\hbox{%
8948 \let\@footnotetext\bidipoem@p@ftntext%
8949 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8950 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8951 \let\@xfootnotenext\bidipoem@p@xftntext%
8952 \let\@xfootnote\bidipoem@p@xfootnote%
8953 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8954 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8955 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8956 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8957 \ignorespaces##\unskip}
8958 \cr
8959 }
8960 \def\poem@lineparseend{%
8961 \crr\egroup
8962 \vskip-\baselineskip
8963 }
8964 \def\traditionalpoem@cr{%
8965 \cr\poem@line
8966 }
8967 \newbox\verse@i
8968 \newbox\verse@ii
8969 \newif\ifpoem@started
8970
8971 \def\poem@line{%
8972 \poem@lineparseend
8973 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
8974 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
8975 \ifpoem@started
8976 \ifdim\wd\verse@ii>\z@\else
8977 \nopagebreak[3]
8978 \fi
8979 \leavevmode
8980 \poem@linebegin
8981 \poem@verse\verse@i
8982 \ifdim\wd\verse@ii>\z@
8983 \poem@lineversesep
8984 \poem@verse\verse@ii
8985 \fi
8986 \poem@lineend
8987 % \nopagebreak
8988 \par
8989 \vskip\poemextrabaseskip
8990 \fi
8991 \poem@lineparsebegin
8992 }
8993 \def\@traditionalpoem{%
8994 \stepcounter{poem@no}
8995 \ifnum\max@poem@no<\number\c@poem@no%
8996 \xdef\poem@width{\z@}%
8997 \else
8998 \xdef\poem@width{\poem@prop{poem@width}}%
8999 \fi

```



```

9000 \xdef\new@poem@width{\z@}%
9001 \global\versewidth=\poem@width
9002 \poemskip\par
9003 \begingroup
9004 \tabskip=\z@
9005 \parskip=\z@
9006 \parindent=\z@
9007 \parfillskip=\z@
9008 \rightskip=\z@
9009 \leftskip=\z@
9010 \widowpenalty=10000% No break between verses of the same line.
9011 \clubpenalty=10000% Same as above. Not really needed.
9012 \def\newblock{\hfil\poemblocksep\hfil\null}%
9013 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
9014 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
9015 \global\poem@startedfalse
9016 \csname poem@obeylines\endcsname
9017 \let\poem@obeylines\relax
9018 \poem@lineparsebegin
9019 }
9020 \def\@endtraditionalpoem{%
9021 \cr
9022 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
9023 \noalign{%
9024 \skip0=\poemextrabaselineskip
9025 \vskip-\skip0
9026 \vskip-\baselineskip
9027 }%
9028 \fi\fi
9029 \poem@lineparseend
9030 \endgroup
9031 \par
9032 \vskip\baselineskip
9033 \poemskip
9034 \ifdim\new@poem@width<\poem@width
9035 \global\let\poem@needrun\relax
9036 \fi
9037 \poem@write@aux{\poem@width<\romannumeral\c@poem@no}{\new@poem@width}%
9038 \ifx\AtEndDocument\undefined\poem@finish\fi
9039 \@endparenv
9040 }
9041
9042
9043 \long\def\bidipoem@p@ftntext#1{%
9044 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
9045 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
9046 \long\def\bidipoem@p@LTRftntext#1{%
9047 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%
9048 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
9049 \long\def\bidipoem@p@RTLftntext#1{%
9050 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}}%
9051 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
9052
9053 \long\def\bidipoem@p@xftntext[#1]#2{%

```




```

9054 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}
9055
9056 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
9057 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}
9058
9059 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
9060 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}
9061
9062 \def\bidipoem@p@xfootnote[#1]{%
9063 \begingroup
9064 \csname c@\@mpfn\endcsname #1\relax
9065 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9066 \endgroup
9067 \@footnotemark\bidipoem@p@xftntext[#1]}
9068
9069 \def\bidipoem@p@xLTRfootnote[#1]{%
9070 \begingroup
9071 \csname c@\@mpfn\endcsname #1\relax
9072 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9073 \endgroup
9074 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
9075
9076 \def\bidipoem@p@xRTLfootnote[#1]{%
9077 \begingroup
9078 \csname c@\@mpfn\endcsname #1\relax
9079 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9080 \endgroup
9081 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
9082
9083
9084
9085 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
9086 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obey
9087 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
9088 \def\poem@finish{%
9089 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
9090 \ifx\poem@needrun\relax
9091 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
9092 \global\let\poem@needrun\undefined
9093 \fi
9094 }
9095 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
9096 \newcounter{poem@no}\setcounter{poem@no}{\z@}
9097 \ifx\max@poem@no\undefined
9098 \def\max@poem@no{0}%
9099 \fi
9100 \newcommand{\poem@prop}[1]{\@nameuse{#1\@romannumeral\c@poem@no}}
9101 \newcommand{\poem@write@aux}[2]{%
9102 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
9103 \@x
9104 }
9105 \def\@modernpoem{%
9106 \par
9107 \begingroup

```



```

9108 \parskip=\z@
9109 \parindent=\z@
9110 \def\[{ \@settab\@tabplus\ignorespaces}%
9111 \def\]\{ \@tabminus\ignorespaces}%
9112 \def\newblock{\poemblocksep}%
9113 \let\newpoem@tabcr\@tabcr
9114 \def\modernpoem@par{% Redefine \par for possible \obeylines
9115   \ifpoem@started\else
9116     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9117       \@stopfield
9118     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9119     \@contfield
9120   \fi
9121 \fi
9122 \ifpoem@started\newpoem@tabcr\fi}%
9123 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
9124 \global\poem@startedfalse
9125 \csname poem@obeylines\endcsname
9126 \let\poem@obeylines\relax
9127 \begin{tabbing}%
9128 }
9129 \def\@endmodernpoem{%
9130 \global\poem@startedfalse
9131 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9132   \@stopfield
9133 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9134 \@contfield
9135 \fi
9136 \ifpoem@started\else\let\@stoptline\@stopfield\fi
9137 \end{tabbing}%
9138 \endgroup
9139 \par
9140 \if@nparlist \else
9141   \ifdim\lastskip >\z@
9142     \@tempkipa\lastskip \vskip -\lastskip
9143     \advance\@tempkipa\parskip \advance\@tempkipa -\@outerparskip
9144     \vskip\@tempkipa
9145   \fi
9146   \@endparenv
9147 \fi
9148 }
9149 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
9150 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
9151 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
9152 \gdef\@startfield{%
9153 \global\setbox\@curfield\hbox\bgroup%
9154 \let\@footnotetext\bidipoem@p@ftntext%
9155 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9156 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9157 \let\@xfootnotenext\bidipoem@p@xftntext%
9158 \let\@xfootnote\bidipoem@p@xfootnote%
9159 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9160 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9161 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%

```



```

9162 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9163 \color@begingroup}
9164 \gdef\@stopfield{%
9165   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}%
9166 \gdef\@contfield{%
9167 \global\setbox\@curfield\hbox\bgroup%
9168 \let\@footnotetext\bidipoem@p@ftntext%
9169 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9170 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9171 \let\@xfootnotenext\bidipoem@p@xftntext%
9172 \let\@xfootnote\bidipoem@p@xfootnote%
9173 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9174 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9175 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9176 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9177 \color@begingroup\unhbox\@curfield}

```

62 File boek3-xetex-bidi.def

```

9178 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
9179 \renewenvironment{theindex}{%
9180   \if@twocolumn
9181     \@restonecolfalse
9182   \else
9183     \@restonecoltrue
9184   \fi
9185   \columnseprule \z@
9186   \columnsep 35\p@
9187   \twocolumn[\@makeschapterhead{\indexname}]%
9188   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9189   \thispagestyle{plain}\parindent\z@
9190   \parskip\z@ \@plus .3\p@\relax
9191   \let\item\@idxitem
9192 }{%
9193   \if@restonecol\onecolumn\else\clearpage\fi}
9194 \renewcommand*\head@style{%
9195   \interlinepenalty \@M
9196   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9197   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsizelax}
9198 \renewcommand*\regtocline[3]{%
9199   \ifnum #1>\c@tocdepth
9200   \else
9201     \vskip\z@\@plus.2\p@
9202     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9203     \if@RTL\rightskip\else\leftskip\fi\unitindent
9204     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9205     \parfillskip\z@
9206     \@tempdima\unitindent
9207     \parindent\z@
9208     \leavevmode
9209     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9210     \hskip 1em \nobreak{\slshape #3}\par
9211   }%
9212 \fi}

```



```

9213 \if@oldtoc
9214 \renewcommand*\l@part[2]{%
9215   \ifnum \c@tocdepth >-2\relax
9216     \addpenalty{-\@highpenalty}%
9217     \addvspace{2.25em \@plus\p@}%
9218     \begingroup
9219       \setlength\@tempdima{3em}%
9220       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9221       \parfillskip -\@pnumwidth
9222       {\leavevmode
9223         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9224         \nobreak
9225         \global\@nobreaktrue
9226         \everypar{\global\@nobreakfalse\everypar{}}%
9227       \endgroup
9228   \fi}
9229 \else
9230   \renewcommand*\l@part{%
9231     \ifnum \c@tocdepth >-2\relax
9232       \addpenalty{-\@highpenalty}%
9233       \addvspace{2.25em \@plus \p@}%
9234       \@regtocline{0}%
9235     \fi}
9236 \fi
9237 \if@oldtoc
9238 \renewcommand*\l@chapter[2]{%
9239   \addpenalty{-\@highpenalty}%
9240   \vskip 1.0em \@plus\p@
9241   \setlength\@tempdima{1.5em}%
9242   \begingroup
9243   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9244   \parfillskip -\@pnumwidth
9245   \leavevmode \bfseries
9246   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9247   \hskip -\if@RTL\rightskip\else\leftskip\fi
9248   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9249   \penalty\@highpenalty
9250   \endgroup}
9251 \else
9252   \renewcommand*\l@chapter{\@regtocline{0}}
9253 \fi
9254 \renewenvironment{abstract}{%
9255   \titlepage
9256   \null\vfil
9257   \section*\SectFont \abstractname}
9258   \noindent\ignorespaces}
9259   {\par\vfil\null\endtitlepage}
9260 \renewenvironment{thebibliography}[1]
9261   {\chapter*\bibname}%
9262   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9263   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9264   \bidi@thebibliography@font@hook%
9265   \list{\@biblabel{\@arabic\c@enumiv}}%
9266   {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

9267         \leftmargin\labelwidth
9268         \advance\leftmargin\labelsep
9269         \@openbib@code
9270         \usecounter{enumiv}%
9271         \let\p@enumiv\@empty
9272         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9273     \sloppy\clubpenalty4000\widowpenalty4000%
9274     \sfcode`.\@M}
9275     {\def\@noitemerr
9276     {\@latex@warning{Empty `thebibliography' environment}}}%
9277     \endlist}
9278 \renewcommand*\left@footnoterule{%
9279     \kern-3\p@
9280     \kern.5\baselineskip
9281     \hrule\@width\unitindent
9282     \kern.4\baselineskip
9283 }
9284 \renewcommand*\right@footnoterule{%
9285     \kern-3\p@
9286     \kern.5\baselineskip
9287     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9288     \kern.4\baselineskip}
9289 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9290 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9291 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9292 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9293 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9294 \renewcommand*\theequation{%
9295     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9296 \renewcommand*\thefigure{%
9297     \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9298 \renewcommand*\thetable{%
9299     \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9300 \renewcommand*\maketitle{%
9301     \begin{titlepage}%
9302         \let\footnotesize\small
9303         \let\right@footnoterule\relax
9304         \let\left@footnoterule\relax
9305         \let\textwidth@footnoterule\relax
9306         \let \footnote \thanks
9307         \long\def\@makefnmark##1{\parindent\z@
9308             \def\labelitemi{\textendash}\@revlabeltrue
9309             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9310         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9311         \if@compatibility\setcounter{page}{0}\fi
9312         \null\vfil
9313         \vskip 60\p@
9314         \begin{center}%
9315             \TitleFont
9316             {\LARGE \def\\{\penalty -\@M}
9317             \if@allcaps
9318                 \expandafter\uc@nothanks\@title\thanks\relax
9319             \else
9320                 \@title

```



```

9321     \fi\par}%
9322     \vskip 3em%
9323     {\large
9324     \lineskip .75em \parindent\z@
9325     \begin{tabular}[t]{c}%
9326     \if@allcaps
9327     \expandafter\uc@authornothanks\@author\and\relax
9328     \else
9329     \@author
9330     \fi
9331     \end{tabular}\par}%
9332     \vskip 1.5em%
9333     {\large
9334     \if@allcaps
9335     \uppercase\expandafter{\@date}%
9336     \else
9337     \@date
9338     \fi\par}%
9339     \end{center}\par
9340     \@thanks
9341     \vfil\null
9342 \end{titlepage}%
9343 \setcounter{footnote}{0}%
9344 \global\let\thanks\relax
9345 \global\let\maketitle\relax
9346 \global\let\@thanks\@empty
9347 \global\let\@author\@empty
9348 \global\let\@title\@empty
9349 \global\let\@date\@empty
9350 \global\let\title\relax
9351 \global\let\author\relax
9352 \global\let\date\relax
9353 \global\let\and\relax
9354 }

```

63 File boek-xetex-bidi.def

```

9355 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
9356 \renewenvironment{theindex}{%
9357   \if@twocolumn
9358     \@restonecolfalse
9359   \else
9360     \@restonecoltrue
9361   \fi
9362   \columnseprule \z@
9363   \columnsep 35\p@
9364   \twocolumn[\@makeschapterhead{\indexname}]%
9365   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9366   \thispagestyle{plain}\parindent\z@
9367   \parskip\z@ \@plus .3\p@\relax
9368   \let\item\@idxitem
9369 }{%
9370 \if@restonecol\onecolumn\else\clearpage\fi}
9371 \renewcommand*\head@style{%

```



```

9372 \interlinepenalty \@M
9373 \hyphenpenalty=\@M \exhyphenpenalty=\@M
9374 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9375 \renewcommand*\@regtocoline[3]{%
9376 \ifnum #1>\c@tocdepth
9377 \else
9378 \vskip\z@\@plus.2\p@
9379 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9380 \if@RTL\rightskip\else\leftskip\fi\unitindent
9381 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9382 \parfillskip\z@
9383 \@tempdima\unitindent
9384 \parindent\z@
9385 \leavevmode
9386 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9387 \hskip 1em \nobreak{\slshape #3}\par
9388 }%
9389 \fi}
9390 \if@oldtoc
9391 \renewcommand*\l@part[2]{%
9392 \ifnum \c@tocdepth >-2\relax
9393 \addpenalty{-\@highpenalty}%
9394 \addvspace{2.25em \@plus\p@}%
9395 \begingroup
9396 \setlength\@tempdima{3em}%
9397 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9398 \parfillskip -\@pnumwidth
9399 {\leavevmode
9400 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9401 \nobreak
9402 \global\@nobreaktrue
9403 \everypar{\global\@nobreakfalse\everypar{}}%
9404 \endgroup
9405 \fi}
9406 \else
9407 \renewcommand*\l@part{%
9408 \ifnum \c@tocdepth >-2\relax
9409 \addpenalty{-\@highpenalty}%
9410 \addvspace{2.25em \@plus \p@}%
9411 \@regtocoline{0}%
9412 \fi}
9413 \fi
9414 \if@oldtoc
9415 \renewcommand*\l@chapter[2]{%
9416 \addpenalty{-\@highpenalty}%
9417 \vskip 1.0em \@plus\p@
9418 \setlength\@tempdima{1.5em}%
9419 \begingroup
9420 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9421 \parfillskip -\@pnumwidth
9422 \leavevmode \bfseries
9423 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9424 \hskip -\if@RTL\rightskip\else\leftskip\fi
9425 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par

```



```

9426 \penalty\@highpenalty
9427 \endgroup}
9428 \else
9429 \renewcommand*\l@chapter{\@regtocline{0}}
9430 \fi
9431 \renewcommand*\left@footnoterule{%
9432 \kern-3\p@
9433 \kern.5\baselineskip
9434 \hrule\@width\unitindent
9435 \kern.4\baselineskip
9436 }
9437 \renewcommand*\right@footnoterule{%
9438 \kern-3\p@
9439 \kern.5\baselineskip
9440 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9441 \kern.4\baselineskip}
9442 \renewenvironment{abstract}{%
9443 \titlepage
9444 \null\vfil
9445 \section*\{SectFont \abstractname}
9446 \noindent\ignorespaces}
9447 {\par\vfil\null\endtitlepage}
9448 \renewenvironment{thebibliography}[1]
9449 {\chapter*\{bibname}%
9450 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9451 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
9452 \bidi@thebibliography@font@hook%
9453 \list{\@biblabel{\@arabic\c@enumiv}}%
9454 {\settowidth\labelwidth{\@biblabel{#1}}%
9455 \leftmargin\labelwidth
9456 \advance\leftmargin\labelsep
9457 \@openbib@code
9458 \usecounter{enumiv}%
9459 \let\p@enumiv\@empty
9460 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9461 \sloppy\clubpenalty4000\widowpenalty4000%
9462 \sfcode\.\@m}
9463 {\def\@noitemerr
9464 {\@latex@warning{Empty `thebibliography' environment}}}%
9465 \endlist}
9466 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9467 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9468 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9469 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9470 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9471 \renewcommand*\theequation{%
9472 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9473 \renewcommand*\thefigure{%
9474 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9475 \renewcommand*\thetable{%
9476 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9477 \renewcommand*\maketitle{%
9478 \begin{titlepage}%
9479 \let\footnotesize\small

```




```

9480 \let\right@footnoterule\relax
9481 \let\left@footnoterule\relax
9482 \let\textwidth@footnoterule\relax
9483 \let \footnote \thanks
9484 \long\def\@makefntext##1{\parindent\z@
9485 \def\labelitemi{\textendash}\@revlabeltrue
9486 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9487 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9488 \ifcompatibility\setcounter{page}{0}\fi
9489 \null\vfil
9490 \vskip 60\p@
9491 \begin{center}%
9492 \TitleFont
9493 {\LARGE \def\{\penalty -\@M}
9494 \if@allcaps
9495 \expandafter\uc@nothanks\@title\thanks\relax
9496 \else
9497 \@title
9498 \fi\par}%
9499 \vskip 3em%
9500 {\large
9501 \lineskip .75em \parindent\z@
9502 \begin{tabular}[t]{c}%
9503 \if@allcaps
9504 \expandafter\uc@authornothanks\@author\and\relax
9505 \else
9506 \@author
9507 \fi
9508 \end{tabular}\par}%
9509 \vskip 1.5em%
9510 {\large
9511 \if@allcaps
9512 \uppercase\expandafter{\@date}%
9513 \else
9514 \@date
9515 \fi\par}%
9516 \end{center}\par
9517 \@thanks
9518 \vfil\null
9519 \end{titlepage}%
9520 \setcounter{footnote}{0}%
9521 \global\let\thanks\relax
9522 \global\let\maketitle\relax
9523 \global\let\@thanks\@empty
9524 \global\let\@author\@empty
9525 \global\let\@title\@empty
9526 \global\let\@date\@empty
9527 \global\let\title\relax
9528 \global\let\author\relax
9529 \global\let\date\relax
9530 \global\let\and\relax
9531 }

```



64 File `bookest-xetex-bidi.def`

```
9532 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
9533 \def\@makechapterhead#1{%
9534   \vspace*{20\p@}
9535   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9536     \ifnum \c@secnumdepth >\m@ne
9537       \if@mainmatter
9538         {\colorA\huge\scshape \@chapapp\space \thechapter}
9539         \par\nobreak
9540         \vskip 10\p@
9541       \fi
9542     \fi
9543     \interlinepenalty\@M
9544   {\colorB\hrule}
9545   \vskip 15\p@
9546   \if@RTL\begin{flushleft}\else\begin{flushright}\fi
9547     {\colorA\Huge \bfseries #1}\par\nobreak
9548   \if@RTL\end{flushleft}\else\end{flushright}\fi
9549   \vskip 5\p@
9550   {\colorB\hrule}
9551   \vskip 30\p@
9552   }}
9553 \def\@makeschapterhead#1{%
9554   \vspace*{20\p@}
9555   {\parindent \z@ \raggedright \normalfont
9556   {\colorB\hrule}
9557   \vskip 15\p@
9558   \begin{center}
9559     {\colorA\Huge \bfseries #1}\par\nobreak
9560   \end{center}
9561   \vskip 5\p@
9562   {\colorB\hrule}
9563   \vskip 30\p@
9564   }}
```

65 File `book-xetex-bidi.def`

```
9565 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class
9566 \renewenvironment{theindex}
9567   {\if@twocolumn
9568     \@restonecolfalse
9569     \else
9570     \@restonecoltrue
9571     \fi
9572     \columnseprule \z@
9573     \columnsep 35\p@
9574     \twocolumn[\@makeschapterhead{\indexname}]%
9575     \@mkboth{\MakeUppercase\indexname}%
9576             {\MakeUppercase\indexname}%
9577     \thispagestyle{plain}\parindent\z@
9578     \parskip\z@ \@plus .3\p@\relax
9579     \let\item\@idxitem}
9580   {\if@restonecol\onecolumn\else\clearpage\fi}
```



```

9581 \@ifclassloaded{bookest}{-}{%
9582   \if@titlepage
9583   \renewcommand\maketitle{\begin{titlepage}%
9584     \let\footnotesize\small
9585     \let\right@footnoterule\relax
9586     \let\left@footnoterule\relax
9587     \let\textwidth@footnoterule\relax
9588     \let \footnote \thanks
9589     \let \LTRfootnote \LTRthanks
9590     \let \RTLfootnote \RTLthanks
9591     \null\vfil
9592     \vskip 60\p@
9593     \begin{center}%
9594       {\LARGE \@title \par}%
9595       \vskip 3em%
9596       {\large
9597         \lineskip .75em%
9598         \begin{tabular}[t]{c}%
9599           \@author
9600         \end{tabular}\par}%
9601       \vskip 1.5em%
9602       {\large \@date \par}%           % Set date in \large size.
9603     \end{center}\par
9604     \@thanks
9605     \vfil\null
9606   \end{titlepage}%
9607   \setcounter{footnote}{0}%
9608   \global\let\thanks\relax
9609   \global\let\LTRthanks\relax
9610   \global\let\RTLthanks\relax
9611   \global\let\maketitle\relax
9612   \global\let\@thanks\@empty
9613   \global\let\@author\@empty
9614   \global\let\@date\@empty
9615   \global\let\@title\@empty
9616   \global\let\title\relax
9617   \global\let\author\relax
9618   \global\let\date\relax
9619   \global\let\and\relax
9620 }
9621 \else
9622 \renewcommand\maketitle{\par
9623   \begingroup
9624     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9625     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9626     \long\def\@makefntext##1{\parindent 1em\noindent
9627       \hb@xt@1.8em{%
9628         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9629     \if@twocolumn
9630       \ifnum \col@number=\@ne
9631         \@maketitle
9632       \else
9633         \twocolumn[\@maketitle]%
9634       \fi

```



```

9635 \else
9636 \newpage
9637 \global\@topnum\z@ % Prevents figures from going at top of page.
9638 \@maketitle
9639 \fi
9640 \thispagestyle{plain}\@thanks
9641 \endgroup
9642 \setcounter{footnote}{0}%
9643 \global\let\thanks\relax
9644 \global\let\LTRthanks\relax
9645 \global\let\RTLthanks\relax
9646 \global\let\maketitle\relax
9647 \global\let\@maketitle\relax
9648 \global\let\@thanks\@empty
9649 \global\let\@author\@empty
9650 \global\let\@date\@empty
9651 \global\let\@title\@empty
9652 \global\let\title\relax
9653 \global\let\author\relax
9654 \global\let\date\relax
9655 \global\let\and\relax
9656 }
9657 \def\@maketitle{%
9658 \newpage
9659 \null
9660 \vskip 2em%
9661 \begin{center}%
9662 \let \footnote \thanks
9663 \let \LTRfootnote \LTRthanks
9664 \let \RTLfootnote \RTLthanks
9665 {\LARGE \@title \par}%
9666 \vskip 1.5em%
9667 {\large
9668 \lineskip .5em%
9669 \begin{tabular}[t]{c}%
9670 \@author
9671 \end{tabular}\par}%
9672 \vskip 1em%
9673 {\large \@date}%
9674 \end{center}%
9675 \par
9676 \vskip 1.5em}
9677 \fi}
9678 \renewcommand*\l@part[2]{%
9679 \ifnum \c@tocdepth >-2\relax
9680 \addpenalty{-\@highpenalty}%
9681 \addvspace{2.25em \@plus\p}%
9682 \setlength\@tempdima{3em}%
9683 \begin{group
9684 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9685 \parfillskip -\@pnumwidth
9686 {\leavevmode
9687 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9688 \nobreak

```



```

9689         \global\@nobeaktrue
9690         \everypar{\global\@nobeakfalse\everypar{}}%
9691     \endgroup
9692 \fi}
9693 \renewcommand*\l@chapter[2]{%
9694     \ifnum \c@tocdepth >\m@ne
9695         \addpenalty{-\@highpenalty}%
9696         \vskip 1.0em \@plus\p@
9697         \setlength\@tempdima{1.5em}%
9698         \begingroup
9699             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9700             \parfillskip -\@pnumwidth
9701             \leavevmode \bfseries
9702             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9703             \hskip -\if@RTL\rightskip\else\leftskip\fi
9704             #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9705             \penalty\@highpenalty
9706         \endgroup
9707 \fi}
9708 \renewcommand\left@footnoterule{%
9709     \kern-3\p@
9710     \hrule\@width.4\columnwidth
9711     \kern2.6\p@}
9712 \renewcommand\right@footnoterule{%
9713     \kern-3\p@
9714     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9715     \kern2.6\p@}
9716 \renewcommand\theequation
9717     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9718 \renewcommand \thefigure
9719     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9720 \renewcommand \thetable
9721     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9722 \renewcommand \thechapter {\@arabic\c@chapter}
9723 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9724 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9725 \renewcommand \thesubsubsection {\thesubsection\@SepMark\@arabic\c@subsubsection}
9726 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9727 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9728 \def\@makechapterhead#1{%
9729     \vspace*{50\p@}%
9730     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9731         \ifnum \c@secnumdepth >\m@ne
9732             \if@mainmatter
9733                 \huge\bfseries \@chapapp\space \thechapter
9734                 \par\nobreak
9735                 \vskip 20\p@
9736             \fi
9737         \fi
9738         \interlinepenalty\@M
9739         \Huge \bfseries #1\par\nobreak
9740         \vskip 40\p@
9741     }}
9742 \def\@makeschapterhead#1{%

```



```

9743 \vspace*{50\p@}%
9744 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9745 \normalfont
9746 \interlinepenalty\@M
9747 \Huge \bfseries #1\par\nobreak
9748 \vskip 40\p@
9749 }}
9750 \renewcommand\backmatter{%
9751 \if@openright
9752 \cleardoublepage
9753 \else
9754 \clearpage
9755 \fi
9756 \@mainmatterfalse}
9757 \renewenvironment{thebibliography}[1]
9758 {\chapter*{\bibname}%
9759 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9760 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9761 \bidi@@thebibliography@font@hook%
9762 \list{\@biblabel{\@arabic\c@enumiv}}%
9763 {\settowidth\labelwidth{\@biblabel{#1}}%
9764 \leftmargin\labelwidth
9765 \advance\leftmargin\labelsep
9766 \@openbib@code
9767 \usecounter{enumiv}%
9768 \let\p@enumiv\@empty
9769 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9770 \sloppy
9771 \clubpenalty4000
9772 \@clubpenalty \clubpenalty
9773 \widowpenalty4000%
9774 \sfcode`. \@m}
9775 {\def\@noitemerr
9776 {\@latex@warning{Empty `thebibliography' environment}}}%
9777 \endlist}

```

66 File breqn-xetex-bidi.def

```

9778 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for X
9779 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
9780 \everydisplay\expandafter{\the\everydisplay \display@setup}%
9781 \if@noskipsec \leavevmode \fi
9782 \if@inlabel \leavevmode \global\@inlabelfalse \fi
9783 \if\eq@group\else\eq@prelim\fi
9784 \setkeys{breqn}{#1}%
9785 \the\eqstyle
9786 \eq@setnumber
9787 \begingroup
9788 \eq@setup@a
9789 \eq@startup
9790 }
9791 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
9792 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
9793 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x

```



```

9794 \global\let\GRP@label\@empty
9795 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
9796 \global\grp@linewidth\z@\global\grp@wdNum\z@
9797 \global\let\grp@eqs@numbered\@False
9798 \global\let\grp@aligned\@True
9799 \global\let\grp@shiftnumber\@False
9800 \eq@prelim
9801 \setkeys{breqn}{#1}%
9802 \if\grp@hasNumber \grp@setnumber \fi
9803 }
9804 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
9805 \let\display@setup\dseries@display@setup
9806 % Question: should this be the default for dseries???
9807 \global\eq@wdCond\z@
9808 \@dmath[layout={M},#1]%
9809 \mathsurround\z@\@math \penalty\@Mi
9810 \let\endmath\ends@math
9811 \def\premath{%
9812 \ifdim\lastskip<.3em \unskip
9813 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
9814 }%
9815 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
9816 \ignorespaces
9817 }
9818 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
9819 \renewenvironment{dsuspend}{%
9820 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
9821 \parshape 1 \displayindent \displaywidth\relax
9822 \hsize=\columnwidth \noindent\ignorespaces
9823 }{%
9824 \par\egroup
9825 \global\setbox\GRP@box\vbox{%
9826 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
9827 \unvbox\GRP@box
9828 }%
9829 \global\GRP@queue\@xp{\the\GRP@queue
9830 \@elt{\let\eq@isIntertext\@True}}%
9831 }%
9832 }

```

67 File cals-xetex-bidi.def

```

9833 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeT
9834 \renewcommand\cals@setup@alignment[1]{%
9835 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
9836 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
9837 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
9838 }
9839 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
9840 \renewenvironment{calstable}[1][\cals@table@alignment]{%
9841 \if@RTLtab\cals@activate@rtl\fi
9842 \let\cals@thead@tokens=\relax
9843 \let\cals@tfoot@tokens=\relax
9844 \let\cals@tbody@tokens=\relax

```



```

9845 \cals@tfoot@height=0pt \relax
9846 \let\cals@last@context=n%
9847 \let\cals@current@context=b%
9848 \parindent=0pt \relax%
9849 \cals@setup@alignment{#1}%
9850 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
9851 %% Alignment inside is independent on center/flushright outside
9852 \parfillskip=0pt plus1fil\relax
9853 \let\cals@borderL=\relax
9854 \let\cals@borderR=\relax
9855 \let\cals@borderT=\relax
9856 \let\cals@borderB=\relax
9857 \setbox\cals@backup@row=\box\voidb@x\relax
9858 \cals@AtBeginTable
9859 }{% End of the table
9860 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
9861 \renewcommand\alignL{%
9862 \if@RTLtab
9863 \cals@vfillAdd\cals@paddingL
9864 \else
9865 \cals@vfillDrop\cals@paddingL
9866 \fi
9867 \cals@vfillDrop\cals@paddingR}
9868 \renewcommand\alignR{%
9869 \if@RTLtab
9870 \cals@vfillDrop\cals@paddingL
9871 \else
9872 \cals@vfillAdd\cals@paddingL
9873 \fi
9874 \cals@vfillDrop\cals@paddingR}

```

68 File caption-xetex-bidi.def

```

9875 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package f
9876 \let\makecaption\caption@makecaption

```

69 File caption3-xetex-bidi.def

```

9877 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
9878 \renewcommand*\caption@@par{%
9879 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

70 File colortbl-xetex-bidi.def

```

9880 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
9881 \def\CT@setup{%
9882 \@tempdimb\col@sep
9883 \@tempdimc\col@sep
9884 \def\CT@color{%
9885 \global\let\CT@do@color\CT@do@color
9886 \bidicolor}}
9887 \def\@classz{\@classx
9888 \@tempcnta \count@
9889 \prepnext@tok

```




```

9890 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
9891 \addtopreamble{\if@RTLtab\beginL\fi%
9892 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
9893 \ifcase \@chnum
9894 \hskip\stretch{.5}\kern\z@
9895 \dollarbegin
9896 \insert@column
9897 \dollarend\hskip\stretch{.5}\or
9898 \dollarbegin \insert@column \dollarend \hfill \or
9899 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
9900 $\vcenter
9901 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
9902 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
9903 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
9904 \fi
9905 \if@RTLtab\endR\fi\egroup\egroup
9906 \begingroup
9907 \CT@setup
9908 \CT@column@color
9909 \CT@row@color
9910 \CT@cell@color
9911 \CT@do@color
9912 \endgroup
9913 \@tempdima\ht\z@
9914 \advance\@tempdima\minrowclearance
9915 \vrule\@height\@tempdima\@width\z@
9916 \unhbox\z@\if@RTLtab\endL\fi}%
9917 \prepnext@tok}

```

71 File color-xetex-bidi.def

```

9918 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for X
9919 \long\def\color@b@x#1#2#3{%
9920 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
9921 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
9922 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
9923 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
9924 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
9925 \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
9926 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
9927 \DeclareRobustCommand\color{%
9928 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]}
9929 \def\@declaredcolor#1{%
9930 \@ifundefined{\string\color @#1}%
9931 {\c@lor@error{`#1'}}%
9932 {\expandafter\let\expandafter\current@color
9933 \csname\string\color @#1\endcsname
9934 \set@color}%
9935 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9936 \def\@undeclaredcolor[#1]#2{%
9937 \@ifundefined{color@#1}%
9938 {\c@lor@error{model `#1'}}%
9939 {\csname color@#1\endcsname\current@color{#2}}%
9940 \set@color}%

```



```

9941 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9942 \DeclareRobustCommand\bidicolor{%
9943   \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
9944 \def\@bidiundeclaredcolor[#1]#2{%
9945   \ifundefined{color@#1}%
9946     {\color@error{model `#1'}}%
9947     {\csname color@#1\endcsname\current@color{#2}%
9948     \set@color}%
9949   \ignorespaces}
9950 \def\@bidideclaredcolor#1{%
9951   \ifundefined{\string\color @#1}%
9952     {\color@error{`#1'}}%
9953     {\expandafter\let\expandafter\current@color
9954     \csname\string\color @#1\endcsname
9955     \set@color}%
9956   \ignorespaces}
9957 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
9958 \def\color@fbox#1#2#3{%
9959   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
9960 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

72 File combine-xetex-bidi.def

```

9961 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
9962 \renewcommand{\c@ll@chapsecii}[2]{%
9963   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
9964   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
9965   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9966 }
9967 \renewcommand{\c@ll@chapseci}{%
9968   \setlength\@tempdima{0em}%
9969   \begingroup
9970     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9971     \parfillskip -\@pnumwidth
9972     \leavevmode
9973 }
9974 \renewenvironment{tocindent}[1]{%
9975   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

73 File crop-xetex-bidi.def

```

9976 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeT
9977 \renewcommand*\CROP@ulc{%
9978   \if@RTLmain%
9979     \begin{picture}(0,0)
9980       \unitlength\p@\thinlines
9981       \put(-40,0){\circle{10}}
9982       \put(-30,-5){\line(0,1){10}}
9983       \put(-35,0){\line(1,0){30}}
9984       \put(-10,30){\circle{10}}
9985       \put(-5,30){\line(1,0){10}}
9986       \put(0,35){\line(0,-1){30}}
9987     \end{picture}%
9988   \else%

```



```

9989 \begin{picture}(0,0)
9990 \unitlength\p@\thinlines
9991 \put(-30,0){\circle{10}}
9992 \put(-30,-5){\line(0,1){10}}
9993 \put(-35,0){\line(1,0){30}}
9994 \put(0,30){\circle{10}}
9995 \put(-5,30){\line(1,0){10}}
9996 \put(0,35){\line(0,-1){30}}
9997 \end{picture}%
9998 \fi%
9999 }
10000 \renewcommand*\CROP@urc{%
10001 \if@RTLmain%
10002 \begin{picture}(0,0)
10003 \unitlength\p@\thinlines
10004 \put(20,0){\circle{10}}
10005 \put(30,-5){\line(0,1){10}}
10006 \put(35,0){\line(-1,0){30}}
10007 \put(-10,30){\circle{10}}
10008 \put(-5,30){\line(1,0){10}}
10009 \put(0,35){\line(0,-1){30}}
10010 \end{picture}%
10011 \else%
10012 \begin{picture}(0,0)
10013 \unitlength\p@\thinlines
10014 \put(30,0){\circle{10}}
10015 \put(30,-5){\line(0,1){10}}
10016 \put(35,0){\line(-1,0){30}}
10017 \put(0,30){\circle{10}}
10018 \put(-5,30){\line(1,0){10}}
10019 \put(0,35){\line(0,-1){30}}
10020 \end{picture}%
10021 \fi%
10022 }
10023 \renewcommand*\CROP@llc{%
10024 \if@RTLmain%
10025 \begin{picture}(0,0)
10026 \unitlength\p@\thinlines
10027 \put(-40,0){\circle{10}}
10028 \put(-30,-5){\line(0,1){10}}
10029 \put(-35,0){\line(1,0){30}}
10030 \put(-10,-30){\circle{10}}
10031 \put(-5,-30){\line(1,0){10}}
10032 \put(0,-35){\line(0,1){30}}
10033 \end{picture}%
10034 \else%
10035 \begin{picture}(0,0)
10036 \unitlength\p@\thinlines
10037 \put(-30,0){\circle{10}}
10038 \put(-30,-5){\line(0,1){10}}
10039 \put(-35,0){\line(1,0){30}}
10040 \put(0,-30){\circle{10}}
10041 \put(-5,-30){\line(1,0){10}}
10042 \put(0,-35){\line(0,1){30}}

```



```

10043 \end{picture}%
10044 \fi%
10045 }
10046 \renewcommand*\CROP@lrc{%
10047 \if@RTLmain%
10048 \begin{picture}(0,0)
10049 \unitlength\p@\thinlines
10050 \put(20,0){\circle{10}}
10051 \put(30,-5){\line(0,1){10}}
10052 \put(35,0){\line(-1,0){30}}
10053 \put(-10,-30){\circle{10}}
10054 \put(-5,-30){\line(1,0){10}}
10055 \put(0,-35){\line(0,1){30}}
10056 \end{picture}%
10057 \else%
10058 \begin{picture}(0,0)
10059 \unitlength\p@\thinlines
10060 \put(30,0){\circle{10}}
10061 \put(30,-5){\line(0,1){10}}
10062 \put(35,0){\line(-1,0){30}}
10063 \put(0,-30){\circle{10}}
10064 \put(-5,-30){\line(1,0){10}}
10065 \put(0,-35){\line(0,1){30}}
10066 \end{picture}%
10067 \fi%
10068 }
10069 \@ifpackagewith{crop}{cam}{%
10070 \CROP@except{cam}%
10071 }{}

```

74 File cutwin-xetex-bidi.def

```

10072 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
10073 \renewcommand*\c@twcompctr}[2]{%
10074 \def\c@twfirst{1}
10075 \loop\advance\c@twinlines\m@ne
10076 \setbox\c@twslicea=\vsplit#1 to\baselineskip
10077 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
10078 \c@twprune{\c@twslicea}{\c@twlftside}%
10079 \c@twprune{\c@twsliceb}{\c@twrtside}%
10080 \ifnum\c@twfirst=\@ne
10081 \setbox#2=\vbox{\unvbox#2\hbox
10082 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
10083 \else
10084 \setbox#2=\vbox{\unvbox#2\hbox
10085 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\
10086 \fi
10087 \def\c@twfirst{2}
10088 \ifnum\c@twinlines>\z@\repeat}
10089 \renewcommand*\c@twcompoddctr}[2]{%
10090 \def\c@twrounds{1}
10091 \def\c@twfirst{1}
10092 \@for\c@twlspec:=\c@twb\do{%
10093 \ifnum\c@twrounds=1

```



```

10094     \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
10095     \c@twprune{\c@twslicea}{\c@twlspec}%
10096     \def\c@twrounds{2}
10097   \else
10098     \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
10099     \c@twprune{\c@twsliceb}{\c@twlspec}%
10100     \ifnum\c@twfirst=1
10101       \setbox#2=\vbox{\unvbox#2\hbox
10102         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\el
10103         \def\c@twfirst{2}
10104     \else
10105       \setbox#2=\vbox{\unvbox#2\hbox
10106         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twlicea\el
10107     \fi
10108     \def\c@twrounds{1}
10109   \fi}}

```

75 File cuted-xetex-bidi.def

```

10110 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for X
10111
10112 \def\RTL@outputdblcol{%
10113   \if@firstcolumn
10114     \global\@firstcolumnfalse
10115     \global\setbox\@leftcolumn\copy\@outputbox
10116     \splitmaxdepth\maxdimen
10117     \vbadness\maxdimen
10118     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10119     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10120     \toks@\expandafter{\topmark}%
10121     \xdef\@firstcoltopmark{\the\toks@}%
10122     \toks@\expandafter{\splitfirstmark}%
10123     \xdef\@firstcolfirstmark{\the\toks@}%
10124     \ifx\@firstcolfirstmark\@empty
10125       \global\let\@setmarks\relax
10126     \else
10127       \gdef\@setmarks{%
10128         \let\firstmark\@firstcolfirstmark
10129         \let\topmark\@firstcoltopmark}%
10130     \fi
10131   \else
10132     \global\@firstcolumntrue
10133     \setbox\@outputbox\vbox{%
10134       \hb@xt@\textwidth{%
10135         \hskip \columnwidth
10136         \hfil
10137         {\normalcolor\vrule \@width\columnseprule}%
10138         \hfil
10139         \hb@xt@\columnwidth{%
10140           \bidi@firstcolumn@status@write%
10141           \box\@leftcolumn \hss}%
10142         \hskip -\textwidth
10143         \hb@xt@\columnwidth{%
10144           \bidi@lastcolumn@status@write%

```



```

10145     \box\@outputbox \hss}%
10146     \hskip \columnsep
10147     \hskip \columnwidth }}%
10148 \ifvoid\hold@viper
10149 \else
10150     \setbox\@outputbox \vbox to\textheight{%
10151                                     \box\hold@viper
10152                                     \box\@outputbox
10153                                     \vss
10154                                     }%
10155 \fi
10156 \@combinedblfloats
10157 \setmarks
10158 \@outputpage
10159 \begingroup
10160     \@dblfloatplacement
10161     \@startdblcolumn
10162     \@whiles\if@fcolmade \fi{\@outputpage
10163 \startdblcolumn}%
10164 \ifvoid\@viper
10165 \else
10166     \global\setbox\@viper\vbox{%
10167                                     \vskip-\stripsep
10168                                     \unvbox\@viper
10169                                     }%
10170     \@viperoutput
10171 \fi
10172 \endgroup
10173 \fi}%
10174
10175 \def\LTR@outputdblcol{%
10176 \if@firstcolumn
10177     \global\@firstcolumnfalse
10178     \global\setbox\@leftcolumn\copy\@outputbox
10179     \splitmaxdepth\maxdimen
10180     \vbadness\maxdimen
10181     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10182     \setbox\@outputbox\split\@outputbox to\maxdimen
10183     \toks@\expandafter{\topmark}%
10184     \xdef\@firstcoltopmark{\the\toks@}%
10185     \toks@\expandafter{\splitfirstmark}%
10186     \xdef\@firstcolfirstmark{\the\toks@}%
10187     \ifx\@firstcolfirstmark\@empty
10188         \global\let\setmarks\relax
10189     \else
10190         \gdef\setmarks{%
10191             \let\firstmark\@firstcolfirstmark
10192             \let\topmark\@firstcoltopmark}%
10193 \fi
10194 \else
10195     \global\@firstcolumntrue
10196     \setbox\@outputbox\vbox{%
10197         \hb@xt@\textwidth{%
10198             \hb@xt@\columnwidth{%

```



```

10199     \bidi@firstcolumn@status@write%
10200     \box\@leftcolumn \hss}%
10201     \hfil
10202     {\normalcolor\vrule \@width\columnseprule}%
10203     \hfil
10204     \hb@xt@\columnwidth{%
10205     \bidi@lastcolumn@status@write%
10206     \box\@outputbox \hss}}}%
10207 \ifvoid\hold@viper
10208 \else
10209     \setbox\@outputbox \vbox to\textheight{%
10210         \box\hold@viper
10211         \box\@outputbox
10212         \vss
10213     }%
10214 \fi
10215 \@combinedblfloats
10216 \setmarks
10217 \@outputpage
10218 \begingroup
10219     \@dblfloatplacement
10220     \@startdblcolumn
10221     \@whilesw\if@fcolmade \fi{\@outputpage
10222     \@startdblcolumn}%
10223     \ifvoid\@viper
10224     \else
10225         \global\setbox\@viper\vbox{%
10226             \vskip-\stripsep
10227             \unvbox\@viper
10228         }%
10229     \@viperoutput
10230 \fi
10231 \endgroup
10232 \fi}%
10233
10234 \def\@addviper{%
10235     \@insertfalse
10236     \def\var@@thecol@num{2}%
10237     \if@firstcolumn
10238         \def\var@@thecol@num{1}%
10239         \@reqcolroom=.5\@pageht
10240         \ht@viper=\@reqcolroom
10241         \advance\@reqcolroom by\ht@viper
10242         \advance\@reqcolroom by\stripsep
10243     \else
10244         \@reqcolroom=\colht
10245         \advance\@reqcolroom by\@pageht
10246         \ht@viper.5\@reqcolroom
10247         \@reqcolroom=\ht@viper
10248         \advance\@reqcolroom by\ht@viper
10249         \advance\@reqcolroom by\stripsep
10250     \global\setbox\@holdpg\vbox{%
10251         \setbox\cuted@@tempbox@a\vbox{%
10252             \aftergroup\unvbox

```



```

10253         \unvcopy\@leftcolumn
10254         \unskip\unkern\unpenalty
10255         \setbox\@tempboxa\lastbox
10256         \ifdim\dimexpr\ht\@tempboxa+\wd\@tempboxa+\dp\@tempboxa>\z@
10257             %% keeps lastbox
10258             \aftergroup\@leftcolumn
10259         \else
10260             %% removes lastbox
10261             \aftergroup\cuted@@tempbox@a
10262         \fi
10263     }%
10264     \unskip\unkern\unpenalty
10265     \on@stripcols@break
10266     \the\At@ViperColsBreak
10267     \unvbox\@holdpg
10268 }%
10269 \global\At@ViperColsBreak{}%
10270 \ht@viper=.5\ht\@holdpg
10271 \ifdim\ht@viper>\@colht
10272     \ht@viper=\@colht
10273 \fi
10274 \fi
10275 %%
10276 %% calculations for breaking
10277 %%
10278 \ifvoid\hold@viper
10279     \ht@hold@viper=\z@
10280 \else
10281     \ht@hold@viper=\ht\hold@viper
10282 \fi
10283 \cuted@@tempdim@b\ht@viper
10284 \set@split@topskip@to\topskip
10285 \loop
10286     \xdef\saved@tempdimb{\the\cuted@@tempdim@b}%
10287     \setbox\cuted@@varbox@a\copy\@holdpg
10288     \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
10289     %% set leftcolumn boxes
10290     \setbox\cuted@@tempbox@c\vbox{\unvbox\cuted@@tempbox@a}%
10291     \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
10292     \xdef\var@@leftcolumn@badness{\the\badness}%
10293     %% set rightcolumn boxes
10294     \setbox\cuted@@varbox@c\vbox{\unvbox\cuted@@varbox@a}%
10295     \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
10296     \xdef\var@@rightcolumn@badness{\the\badness}%
10297     %% analyzing split goodness
10298     \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
10299     \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
10300     \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
10301     \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
10302     \cuted@@wlog@debug{CUTED [----]}
10303     ^^JLeft: \the\ht\cuted@@tempbox@c
10304     +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
10305     ^^JRight: \the\ht\cuted@@varbox@c
10306     +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness

```




```

10307         ^^JSplit: \the\cuted@@tempdim@b
10308         ^^JExtra height: \the\cuted@@tempdim@spread
10309     }%
10310 \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
10311 \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
10312 \cuted@@tempdim@spread=\z@
10313 \fi
10314 \fi
10315 \ifdim\cuted@@tempdim@spread<\z@
10316 \if@left@column@spread
10317 \if@right@column@shrink
10318 \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
10319 \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
10320 \else
10321 \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\relax
10322 \fi
10323 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}
10324 \ifnum\badness<\cuted@@column@badness
10325 \cuted@@tempdim@b=\cuted@@tempdim@a
10326 \cuted@@tempdim@spread=\z@
10327 \fi
10328 \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on
10329 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c}
10330 \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on
10331 \else
10332 \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{
10333 \unvcopy\cuted@@tempbox@c
10334 }%
10335 \ifnum\badness<\cuted@@column@badness
10336 \@tempdimb=\ht\cuted@@varbox@c
10337 \cuted@@tempdim@spread=\z@
10338 \fi
10339 \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\ht
10340 \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{
10341 \unvcopy\cuted@@varbox@c
10342 }%
10343 \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\ht
10344 \fi
10345 \else
10346 \if@right@column@shrink
10347 \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
10348 \else
10349 \cuted@@tempdim@b=\ht\cuted@@tempbox@c
10350 \cuted@@tempdim@spread=\z@
10351 \fi
10352 \fi
10353 \fi
10354 \else
10355 \ifdim\cuted@@tempdim@spread>\z@
10356 \ifdim\dimexpr\@tempdimb+\p@relax>\@colht
10357 \cuted@@tempdim@b=\@colht
10358 \cuted@@tempdim@spread=\z@
10359 \fi
10360 \fi

```



```

10361     \fi
10362 \ifdim\cuted@@tempdim@spread<\z@
10363     \advance\cuted@@tempdim@b 1\p@
10364 \repeat
10365 \wlog{CUTED [- LAST -]%
10366     ^^JExtra skip:\the\cuted@@tempdim@spread
10367     ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
10368     ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
10369     ^^JSplit:\saved@tempdimb
10370     ^^JOutput:\the\cuted@@tempdim@b
10371     ^^JPageshrink:\the\pageshrink
10372     ^^JPagewidth:\the\pagewidth
10373     ^^Jcolht:\the\colht
10374     }%
10375 %%
10376 %% final construction of the cuted page above strip
10377 %%
10378 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
10379 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
10380     \cuted@@tempdim@a=\dimexpr
10381     \cuted@@tempdim@b-\ht\cuted@@tempbox@c
10382     \relax
10383     \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
10384     \unvbox\cuted@@tempbox@c
10385     \ifdim\cuted@@tempdim@spread>\dp\strutbox
10386     \else
10387         \vskip-\cuted@@tempdim@spread
10388     \fi
10389     \prevdepth\z@
10390     \hrule\@height\cuted@@page@rule width\textwidth
10391     \vskip-\cuted@@page@rule
10392     \ifdim\cuted@@tempdim@a>\z@
10393         \if@left@column@spread
10394         \else
10395             \vss
10396         \fi
10397     \else
10398         \ifdim\cuted@@tempdim@a<\z@
10399             \if@left@column@shrink
10400             \else
10401                 \vss
10402             \fi
10403         \fi
10404     \fi
10405     }%
10406 \wlog{CUTED [output]: \the\cuted@@tempdim@b
10407     ^^JCUTED [leftcolumn badness]: \number\badness
10408     }%
10409 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
10410     \cuted@@tempdim@a=\dimexpr
10411     \cuted@@tempdim@b-\ht\@holdpg
10412     \relax
10413     \unvbox\@holdpg
10414     \ifdim\cuted@@tempdim@a>\z@

```



```

10415         \if@right@column@spread
10416         \else
10417             \vss
10418         \fi
10419     \else
10420         \ifdim\cuted@@tempdim@a<\z@
10421             \if@right@column@shrink
10422             \else
10423                 \vss
10424             \fi
10425         \fi
10426     \fi
10427 }%
10428 \wlog{CUTED [rightcolumn badness]: \number\badness}%
10429 \setbox\cuted@@tempbox@var\vbox{%
10430     \hb@xt@\textwidth{%
10431         \if@RTLmain
10432             \hskip \columnwidth
10433             \hfil
10434             {\normalcolor\vrule \@width\columnseprule}%
10435             \hfil
10436             \hb@xt@\columnwidth{%
10437                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10438             \hss
10439             }%
10440             \hskip -\textwidth
10441             \hb@xt@\columnwidth{%
10442                 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10443             \hss
10444             }%
10445             \hskip \columnsep
10446             \hskip \columnwidth
10447         \else
10448             \hb@xt@\columnwidth{%
10449                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10450             \hss
10451             }%
10452             \hfil
10453             {\normalcolor\vrule \@width\columnseprule}%
10454             \hfil
10455             \hb@xt@\columnwidth{%
10456                 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10457             \hss
10458             }%
10459         \fi
10460     }%
10461 }%
10462 %%
10463 %% finalize cuted page
10464 %%
10465 \ifvoid\hold@viper
10466     \global\setbox\hold@viper\vbox{%
10467         \unvbox\cuted@@tempbox@var
10468         \penalty\interlinepenalty

```



```

10469         \vskip\stripsep
10470         \the\preCutedStrip
10471         \ifnum\outputpenalty<-\@Mii
10472             \vskip -\parskip
10473         \fi
10474         \outputpenalty\z@
10475     }%
10476 \else
10477     \global\setbox\hold@viper\vbox{%
10478         \unvbox\hold@viper
10479         \cuted@@tempbox@var
10480         \penalty\interlinepenalty
10481         \vskip\stripsep
10482         \the\preCutedStrip
10483         \ifnum\outputpenalty<-\@Mii
10484             \vskip -\parskip
10485         \fi
10486         \outputpenalty\z@
10487     }%
10488 \fi
10489 \ifdim\@colht>\@reqcolroom
10490     \global\setbox\hold@viper\vbox{%
10491         \unvbox\hold@viper
10492         \box\@viper
10493         \penalty\interlinepenalty
10494         \the\postCutedStrip
10495         \vskip\stripsep
10496         \ifnum\outputpenalty<-\@Mii
10497             \vskip -\parskip
10498         \fi
10499         \outputpenalty\z@
10500     }%
10501 \@inserttrue
10502 \global\@firstcolumntrue
10503 \advance\ht@hold@viper by-\ht\hold@viper
10504 \global\advance\@colht by\ht@hold@viper
10505 \ifdim\@colht<2.5\baselineskip
10506     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
10507                             too tall on page \thepage (\var@@thecol@num column)}%
10508     \@emptycol
10509     \if@firstcolumn
10510     \else
10511         \@emptycol
10512     \fi
10513     \global\@lastvipertrue
10514 \else
10515     \global\vsizel\@colht
10516     \global\@colroom\@colht
10517     \check@floats\cuted@@tempdim@a
10518     \ifdim\cuted@@tempdim@a>\z@
10519         \global\advance\@colroom by-\cuted@@tempdim@a
10520     \fi
10521     \ifdim\@colroom<\z@
10522         \global\@colroom1p@

```



```

10523             \ifdim\cuted@tempdim@a>\@colht
10524                 \@latex@warning@no@line{TOP and/or BOT FLOAT's
10525                     to large on \thepage (\var@@thecol@num column)}%
10526             \fi
10527             \@emptycol
10528             \if@firstcolumn
10529             \else
10530                 \@emptycol
10531             \fi
10532             \global\@lastvipertrue
10533         \fi
10534     \fi
10535 \fi
10536 \if@insert
10537 \else
10538     \advance\ht@hold@viper by-\ht@hold@viper
10539     \global\advance\@colht by\ht@hold@viper
10540     \global\setbox\hold@viper\vbox{%
10541         \unvbox\hold@viper
10542         \set@split@topskip@to{\z@ plus2\p}%
10543         \vsplit\@viper to\@colht
10544         \vss
10545     }%
10546     \vbox{%
10547         \global\@firstcolumnfalse
10548         \newpage
10549     \fi
10550 }

```

76 File cvthemebidicasual.sty

```

10551 \NeedsTeXFormat{LaTeX2e}
10552 \ProvidesPackage{cvthemebidicasual}
10553 \DeclareOption{blue}{}
10554 \newif\if@colourorange@colourorangefalse
10555 \DeclareOption{orange}{\@colourorangetrue}
10556 \newif\if@colourgreen@colourgreenfalse
10557 \DeclareOption{green}{\@colourgreentrue}
10558 \newif\if@colourred@colourredfalse
10559 \DeclareOption{red}{\@colourredtruel}
10560 \newif\if@colourgrey@colourgreyfalse
10561 \DeclareOption{grey}{\@colourgreytruel}
10562 \DeclareOption*{
10563     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
10564 \ExecuteOptions{colour}
10565 \ProcessOptions\relax
10566 \renewcommand*\listitemsymbol{\textbullet}
10567 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
10568 \familynamecolour{808080}
10569 \firstnamecolour{A9A9A9}
10570 \quotecolour{696969}
10571 \addresscolour{696969}
10572 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
10573 \sectiontitlecolour{1E90FF}

```



```

10574 \subsectioncolour{4682B4}
10575 \definecolor{rulecolour}{gray}{0.6}
10576 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
10577 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
10578 \if@colourorange
10579 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10580 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10581 \sectiontitlecolour{FF8C00}
10582 \subsectioncolour{FF8C00}
10583 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
10584 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
10585 \if@colourgreen
10586 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10587 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10588 \sectiontitlecolour{008000}
10589 \subsectioncolour{008000}
10590 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
10591 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
10592 \if@coloured
10593 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10594 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10595 \sectiontitlecolour{FF0000}
10596 \subsectioncolour{FF0000}
10597 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
10598 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
10599 \if@colougrey
10600 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10601 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10602 \sectiontitlecolour{808080}
10603 \subsectioncolour{808080}
10604 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
10605 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
10606 \renewcommand*{\ttdefault}{pcr}
10607 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
10608 \renewcommand*{\familynamefont}{\firstnamefont}
10609 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10610 \renewcommand*{\quotefont}{\large\slshape}
10611 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10612 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10613 \renewcommand*{\maketitle}{%
10614   {%
10615     \ifthenelse{\isundefined{\@photo}}{%
10616       {}%
10617       {\color{firstnamecolor}\framebox{\includegraphics [width=\@photowidth]{\@photo}}}}%
10618     \hfill%
10619     \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}
10620     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
10621     \ifthenelse{\isundefined{\@quote}}{%
10622       {}%
10623       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}}\
10624     }%
10625 \newif\if@firstfooterelement\@firstfooterelementtrue
10626 \providecommand*{\footersymbol}{}
10627 \renewcommand*{\footersymbol}{%

```



```

10628 \if@firstfooterelement%
10629 \else%
10630 { ~-\color{footersymbolcolor}\textbullet~~}\fi}
10631 \providecommand*\makefooter{}
10632 \renewcommand*\makefooter{%
10633 \fancypagestyle{plain}{%
10634 \fancyfoot[c]{%
10635 \parbox{0.8\textwidth}{%
10636 \centering%
10637 \addressfont\@addresscolour%
10638 \ifthenelse{isundefined{\@address}}{~}{%
10639 \addresssymbol~\@address\\%
10640 \@firstfooterelementfalse}%
10641 \ifthenelse{isundefined{\@mobile}}{~}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
10642 \ifthenelse{isundefined{\@phone}}{~}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
10643 \ifthenelse{isundefined{\@fax}}{~}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
10644 \ifthenelse{isundefined{\@email}}{~}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
10645 \ifthenelse{isundefined{\@extrainfo}}{~}{\footersymbol\extrainfo\@firstfooterelementfalse}%
10646 }%
10647 \pagestyle{plain}}
10648 \AtBeginDocument{\makefooter}

```

77 File cvthemebidiclassic.sty

```

10649 \NeedsTeXFormat{LaTeX2e}
10650 \ProvidesPackage{cvthemebidiclassic}
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}{\@colourredtrue}
10658 \newif\if@colourgrey\@colourgreyfalse
10659 \DeclareOption{grey}{\@colourgreytrue}
10660 \DeclareOption*{
10661 \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
10662 \ExecuteOptions{colour}
10663 \ProcessOptions\relax
10664 \renewcommand*\listitemsymbol{\textbullet}
10665 \firstnamecolour{}
10666 \familynamecolour{}
10667 \titlecolour{808080}
10668 \quotecolour{696969}
10669 \addresscolour{696969}
10670 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
10671 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
10672 \sectiontitlecolour{1E90FF}
10673 \subsectioncolour{4682B4}
10674 \if@colourorange
10675 \addresscolour{FF8C00}
10676 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10677 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
10678 \sectiontitlecolour{FF8C00}

```



```

10679 \subsectioncolour{FF8C00}\fi
10680 \if@colourgreen
10681 \addresscolour{008000}
10682 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10683 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10684 \sectiontitlecolour{008000}
10685 \subsectioncolour{008000}\fi
10686 \if@coloured
10687 \addresscolour{FF0000}
10688 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10689 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10690 \sectiontitlecolour{FF0000}
10691 \subsectioncolour{FF0000}\fi
10692 \if@colourgrey
10693 \addresscolour{808080}
10694 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10695 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10696 \sectiontitlecolour{808080}
10697 \subsectioncolour{808080}\fi
10698 \renewcommand*{\ttdefault}{pcr}
10699 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
10700 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
10701 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10702 \renewcommand*{\familynamefont}{\firstnamefont}
10703 \renewcommand*{\quotefont}{\large\slshape}
10704 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10705 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10706 \newlength{\maketitlemaxwidth}
10707 \setlength{\maketitlemaxwidth}{.525\textwidth}
10708 \newlength{\maketitlefullwidth}
10709 \setwidth{\maketitlefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
10710 \newlength{\maketitlewidth}
10711 \ifnum\maketitlemaxwidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}
10712 \newlength{\maketitlepicturewidth}
10713 \setlength{\maketitlepicturewidth}{\@photowidth}
10714 \newlength{\maketitledetailwidth}
10715 \renewcommand*{\recomputethemelengths}{%
10716 \setlength{\maketitledetailwidth}{\textwidth}%
10717 \addtolength{\maketitledetailwidth}{-\maketitlemaxwidth}%
10718 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
10719 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
10720 \recomputethemelengths
10721 \newif\if@firstdetailselement\@firstdetailselementtrue
10722 \newcommand*{\maketitledetailsnewline}{
10723 \if@firstdetailselement%
10724 \@firstdetailselementfalse%
10725 \else%
10726 \\.2em}\fi}
10727 \renewcommand*{\maketitle}{%
10728 % name and title
10729 \begin{minipage}[b]{\maketitlewidth}
10730 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
10731 \ifthenelse{\equal{\@title}{}}{\@title}{\@titlestyle{\@title}}%
10732 \end{minipage}%

```




```

10733 % optional data
10734 \begin{minipage}[b]{\maketitledetailswidth}%
10735   \bidi@raggedleft\addressfont\@addresscolour%
10736   \ifthenelse{\isundefined{\@address}}{ }{%
10737     \maketitledetailsnewline%
10738     \addresssymbol~\@address}%
10739   \ifthenelse{\isundefined{\@mobile}}{ }\{\maketitledetailsnewline\mobilesymbol~\@mobile}%
10740   \ifthenelse{\isundefined{\@phone}}{ }\{\maketitledetailsnewline\phonesymbol~\@phone}%
10741   \ifthenelse{\isundefined{\@fax}}{ }\{\maketitledetailsnewline\faxsymbol~\@fax}%
10742   \ifthenelse{\isundefined{\@email}}{ }\{\maketitledetailsnewline\emailsymbol~\emallink{\@e
10743   \ifthenelse{\isundefined{\@extrainfo}}{ }\{\maketitledetailsnewline\@extrainfo}%
10744 \end{minipage}%
10745 % optional photo
10746 \ifthenelse{\isundefined{\@photo}}%
10747   {}%
10748   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
10749 % optional quote
10750 \ifthenelse{\isundefined{\@quote}}%
10751   {}%
10752   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\
10753 }

```

78 File `dblfnote-xetex-bidi.def`

```

10754 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
10755 \let\autofootnoterule\relax
10756 \let\rightfootnoterule\relax
10757 \let\leftfootnoterule\relax
10758 \let\textwidthfootnoterule\relax
10759 \let\LRfootnoterule\relax
10760 \def\footnoterule{\kern-3\p@
10761   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
10762 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
10763 \let\@footnotetext\dfn@footnotetext}
10764 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
10765   \let\insert\dfn@gobble
10766   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10767   \def\@makefnmark{\smash{\dfn@makefnmark}}
10768   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10769   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10770   \ifdim\dfn@dima>\z@\else
10771     \dfn@dima1sp\relax
10772     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10773   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10774     \ifvoid\dfn@ins\else
10775       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10776     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10777   \setbox\dfn@boxa\copy\dfn@ins
10778   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10779   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10780   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10781   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10782   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10783 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext

```



```

10784 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
10785 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
10786     \let\insert\dfn@gobble
10787     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10788     \def\@makefnmark{\smash{\dfn@makefnmark}}
10789     \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10790     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10791     \ifdim\dfn@dima>z@\else
10792         \dfn@dima1sp\relax
10793         \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10794     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10795         \ifvoid\dfn@ins\else
10796             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10797             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10798     \setbox\dfn@boxa\copy\dfn@ins
10799     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10800     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10801     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10802     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10803     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10804 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
10805 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
10806 \def\dfn@RTLmakecol{\ifvoid\footins\else
10807     \dfn@dima\ht\footins
10808     \@tempcnta\z@ \dfn@countins
10809     \@tempdima\z@ \let\@elt\dfn@elt@getht
10810     \dfn@list\@nil
10811     \ifdim\@tempdima=\z@\else
10812         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10813         \global\setbox\dfn@ins\box\dfn@ins
10814         \@tempswatruer
10815         \ifdfn@trysingle
10816             \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10817             \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10818             \advance\@tempdima-\skip\footins
10819             \advance\@tempdima-\ht\dfn@boxa
10820             \ifdim\@tempdima<\z@\else \@tempswafalse
10821                 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10822                     \footnoterule \unvbox\dfn@boxa}\fi\fi
10823         \if@tempswa
10824             \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10825             \global\setbox\footins\vbox{\hbox{%
10826                 \hskip \DFNcolumnwidth
10827                 \hskip\DFNcolumnsep
10828                 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10829                     \unvbox\dfn@boxb\vss}\hss}
10830             \hskip -\textwidth
10831             \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10832                 \vbox to\@tempdima{
10833                     \setbox\@tempboxa\vbox{\footnoterule}
10834                     \ifdfn@ruleboth \unvbox\@tempboxa
10835                     \else \@tempdima\ht\@tempboxa
10836                     \advance\@tempdima\dp\@tempboxa
10837                     \vskip\@tempdima

```



```

10838                                     \prevdepth\dp\@tempboxa \fi
10839                                     \unvbox\dfn@boxa\vss}\fi\hss}
10840                                     \hskip \DFNcolumnsep
10841                                     \hskip \DFNcolumnwidth}}\fi\fi
10842 \global\dfn@fnht\z@
10843 \ifx\dfn@list\@empty\else
10844     \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10845     \dfn@list \global\advance\dfn@fnht\dfn@dimb
10846     \let\@elt\relax
10847     \ifdim\dfn@dimb>\z@
10848         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10849         \insert\footins{\floatingpenalty\@MM
10850             \vbox to\dfn@dimb{}}\fi
10851     \ifdim\dfn@fnht>\@tempdima
10852         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10853         \global\dfn@fnht\@tempdima
10854         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10855         \xdef\dfn@afteroutput{\insert\footins{
10856             \floatingpenalty\@MM
10857             \vbox to\number\@tempdimb sp{}}}%
10858         \global\let\noexpand\dfn@afteroutput\relax}%
10859     \fi\fi
10860 \fi}%
10861 \let\footnoterule\relax \dfn@latex@makecol
10862 \let\footnoterule\dfn@footnoterule}
10863 \def\dfn@LTRmakecol{\ifvoid\footins\else
10864     \dfn@dima\ht\footins
10865     \@tempcnta\z@ \dfn@countins
10866     \@tempdima\z@ \let\@elt\dfn@elt@getht
10867     \dfn@list\@nil
10868     \ifdim\@tempdima=\z@\else
10869     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10870     \global\setbox\dfn@ins\box\dfn@ins
10871     \@tempswatru
10872     \ifdfn@trysingle
10873         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10874         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10875         \advance\@tempdima-\skip\footins
10876         \advance\@tempdima-\ht\dfn@boxa
10877         \ifdim\@tempdima<\z@\else \@tempswafalse
10878             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10879                 \footnoterule \unvbox\dfn@boxa}\fi\fi
10880     \if@tempswa
10881     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10882     \global\setbox\footins\vbox{\hbox{%
10883         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10884             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
10885         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10886             \vbox to\@tempdima{
10887                 \setbox\@tempboxa\vbox{\footnoterule}
10888                 \ifdfn@ruleboth \unvbox\@tempboxa
10889                 \else \@tempdima\ht\@tempboxa
10890                 \advance\@tempdima\dp\@tempboxa
10891                 \vskip\@tempdima

```



```

10892             \prevdepth\dp\@tempboxa \fi
10893             \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
10894     \global\dfn@fnht\z@
10895     \ifx\dfn@list\@empty\else
10896         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10897         \dfn@list \global\advance\dfn@fnht\dfn@dimb
10898         \let\@elt\relax
10899         \ifdim\dfn@dimb>\z@
10900             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10901             \insert\footins{\floatingpenalty\MM
10902                 \vbox to\dfn@dimb{}}}\fi
10903         \ifdim\dfn@fnht>\@tempdima
10904             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10905             \global\dfn@fnht\@tempdima
10906             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10907             \xdef\dfn@afteroutput{\insert\footins{
10908                 \floatingpenalty\MM
10909                 \vbox to\number\@tempdimb sp{}}}%
10910             \global\let\noexpand\dfn@afteroutput\relax}%
10911         \fi\fi
10912     \fi}%
10913     \let\footnoterule\relax \dfn@latex@makecol
10914     \let\footnoterule\dfn@footnoterule}
10915 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
10916 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
10917 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
10918 \DFNalwaysdouble

```

79 File diagbox-xetex-bidi.def

```

10919 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package]
10920 \bidi@patchcmd{\diagbox@double}{%
10921     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10922 }{\bidi@@diagbox@double@ii}{-}{-}
10923 \bidi@patchcmd{\diagbox@double}{%
10924     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10925 }{\bidi@@diagbox@double@iii}{-}{-}
10926 \newcommand*{\bidi@@diagbox@double@ii}{%
10927     \if@RTL
10928     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
10929     \else
10930     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10931     \fi
10932 }
10933 \newcommand*{\bidi@@diagbox@double@iii}{%
10934     \if@RTL
10935     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
10936     \else
10937     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10938     \fi
10939 }
10940 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10941     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10942 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}

```



```

10943 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10944   \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10945 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
10946 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10947   \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
10948 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
10949 \newcommand*\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
10950   \if@RTL
10951     \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}
10952   \else
10953     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10954   \fi}
10955 \newcommand*\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
10956   \if@RTL
10957     \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}}
10958   \else
10959     \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
10960   \fi}
10961 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
10962 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10963   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
10964 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
10965 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10966   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
10967 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
10968 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10969   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
10970 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
10971 \newcommand*\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
10972   \if@RTL
10973     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}
10974   \else
10975     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
10976   \fi
10977 }
10978 \newcommand*\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
10979   \if@RTL
10980     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
10981   \else
10982     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}
10983   \fi
10984 }
10985 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
10986 \bidi@patchcmd{\diagbox@double@pict@SE}{%
10987   \diagbox@setlinecolor
10988   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
10989 }{-}{-}
10990   {\diagbox@setlinecolor
10991   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
10992 }{-}{-}
10993 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
10994 \bidi@patchcmd{\diagbox@double@pict@NE}{%
10995   \diagbox@setlinecolor
10996   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%

```



```

10997 }{%
10998   {\diagbox@setlinecolor
10999   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
11000 }{}{}
11001 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
11002 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
11003   \diagbox@setlinecolor
11004   \Line(0,\yym)(\x,0)
11005   \Line(\xm,\y)(\x,0)%
11006 }{%
11007   {\diagbox@setlinecolor
11008   \Line(0,\yym)(\x,0)
11009   \Line(\xm,\y)(\x,0)}%
11010 }{}{}
11011 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
11012   \diagbox@setlinecolor
11013   \Line(0,0)(\xxm,\y)
11014   \Line(0,0)(\x,\yym)%
11015 }{%
11016   {\diagbox@setlinecolor
11017   \Line(0,0)(\xxm,\y)
11018   \Line(0,0)(\x,\yym)}%
11019 }{}{}
11020 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
11021   \diagbox@setlinecolor
11022   \Line(0,\ym)(\x,\y)
11023   \Line(\xm,0)(\x,\y)%
11024 }{%
11025   {\diagbox@setlinecolor
11026   \Line(0,\ym)(\x,\y)
11027   \Line(\xm,0)(\x,\y)}%
11028 }{}{}
11029 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
11030   \diagbox@setlinecolor
11031   \Line(0,\y)(\xxm,0)
11032   \Line(0,\y)(\x,\ym)%
11033 }{%
11034   {\diagbox@setlinecolor
11035   \Line(0,\y)(\xxm,0)
11036   \Line(0,\y)(\x,\ym)}%
11037 }{}{}

```

80 File draftwatermark-xetex-bidi.def

```

11038 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwater
11039 \renewcommand\SetWatermarkText[1]{%
11040   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

81 File eso-pic-xetex-bidi.def

```

11041 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package f
11042 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
11043   \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}}
11044

```



```

11045 \ESO@isMEMOIR{%
11046   \renewcommand\AtTextUpperLeft[1]{%
11047     \begingroup
11048       \ifodd\c@page
11049         \if@RTLmain
11050           \ESO@tempdima=\paperwidth
11051           \advance\ESO@tempdima-\textwidth
11052           \advance\ESO@tempdima-\spinemargin
11053         \else
11054           \ESO@tempdima=\spinemargin
11055         \fi
11056       \else
11057         \if@RTLmain
11058           \ESO@tempdima=\spinemargin
11059         \else
11060           \ESO@tempdima=\paperwidth
11061           \advance\ESO@tempdima-\textwidth
11062           \advance\ESO@tempdima-\spinemargin
11063         \fi
11064       \fi
11065       \ESO@tempdimb=-\uppermargin
11066       \AtPageUpperLeft{%
11067         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11068       }%
11069     \endgroup
11070   }
11071 }{%
11072 \renewcommand\AtTextUpperLeft[1]{%
11073   \begingroup
11074     \ESO@tempdima=1in\relax
11075     \if@twoside
11076       \ifodd\c@page
11077         \if@RTLmain
11078           \advance\ESO@tempdima\evensidemargin
11079         \else
11080           \advance\ESO@tempdima\oddsidemargin
11081         \fi
11082       \else
11083         \if@RTLmain
11084           \advance\ESO@tempdima\oddsidemargin
11085         \else
11086           \advance\ESO@tempdima\evensidemargin
11087         \fi
11088       \fi
11089     \else
11090       \advance\ESO@tempdima\oddsidemargin
11091     \fi
11092     \ESO@tempdimb=-1in\relax
11093     \advance\ESO@tempdimb-\topmargin
11094     \advance\ESO@tempdimb-\headheight
11095     \advance\ESO@tempdimb-\headsep
11096     \AtPageUpperLeft{%
11097       \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11098     }%

```



```

11099 \endgroup
11100 }
11101 }

```

82 File empheq-xetex-bidi.def

```

11102 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for
11103 \MHInternalSyntaxOn
11104 \def\EQ_tag_plus_endmark:{%
11105 \iftagsleft@
11106 \gdef\maketag@@@##1{%
11107 \hfuzz\displaywidth
11108 \ifRTL\makebox[\widthof{##1}][r]{%
11109 \hbox to \displaywidth{\m@th\normalfont##1\hss
11110 \raisebox[-\dp\EQ_mathdisplay_box
11111 -\depthof{\EQ_outerbox:}]{
11112 {\PotEndMark{\hss}}}}
11113 \else\makebox[\widthof{##1}][l]{%
11114 \hbox to \displaywidth{\m@th\normalfont##1\hss
11115 \raisebox[-\dp\EQ_mathdisplay_box
11116 -\depthof{\EQ_outerbox:}]{
11117 {\PotEndMark{\hss}}}}\fi}%
11118 \MH_else:
11119 \gdef\maketag@@@##1{%
11120 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
11121 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
11122 \MH_addtolength:dn \@tempdima
11123 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
11124 \setlength{\@tempdimb}
11125 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
11126 +\depthof{\EQ_innerbox:}}
11127 \MH_if_dim:w \@tempdima>\@tempdimb
11128 \MH_setlength:dn \@tempdima[-\dp\EQ_mathdisplay_box
11129 -\@tempdima+\g_EQ_bottomrow_depth_dim}
11130 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
11131 \def\EQ_next:{\raisebox{\@tempdima}}%
11132 \MH_else:
11133 \def\EQ_next:{
11134 \raisebox[-\dp\EQ_mathdisplay_box
11135 -\depthof{\EQ_outerbox:}]}%
11136 \MH_fi:\EQ_next:}}}%
11137 \MH_fi:}
11138 \def\EQ_post_process:{%
11139 \EQ_initialize:
11140 \EQ_begin_equation:
11141 \MH_if_boolean:nT {outer_mult}{
11142 \setkeys{MT_options_name:}{
11143 firstline-afterskip=Opt,
11144 lastline-preskip=Opt,
11145 multlined-width=Opt,
11146 }
11147 \ifodd \l_EQ_alignmentmode_int
11148 \setkeys{MT_options_name:}{multlined-pos=b}
11149 \MH_else:

```




```

11150     \setkeys{\MT_options_name:}{multlined-pos=t}
11151     \MH_fi:
11152     \g@addto@macro\EQ_complete_mathdisplay:{
11153       \begin{MTmultlined}\relax}
11154   }
11155   \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
11156   \MH_if_boolean:nT {outer_mult}{
11157     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
11158   }
11159   \EQ_end_equation:
11160   \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
11161   \savecounters@
11162   \EQ_typeset_tags:
11163   \edef\l_EQ_equation_fint{\number\c@equation}
11164   \restorecounters@
11165   \Hy@linkcounter=\EQ_hyperref_link_fint
11166   \settowidth\l_EQ_totalwidth_dim{%
11167     $\EQ_left_side:\EQ_innerbox:{\}\EQ_right_side:$}%
11168   \MH_if_boolean:nTF {outer_mult}
11169     { \def\EQ_next:{_mult} }
11170     { \def\EQ_next:{} }
11171   \@nameuse{EQ_modify_linewidth_
11172     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11173   \EQ_typeset_display:
11174   \@nameuse{EQ_find_displaywidth_
11175     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11176   \MH_addtolength:dn
11177     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
11178   \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
11179     $\EQ_left_side:
11180     \EQ_innerbox:{%
11181       \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
11182         \makebox[\l_EQ_displaywidth_dim][c]
11183           {\usebox{\EQ_mathdisplay_box}}}%
11184       \MH_or:
11185         \makebox[\l_EQ_displaywidth_dim][c]
11186           {\usebox{\EQ_mathdisplay_box}}}%
11187       \MH_or:
11188         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11189           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11190             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11191               \kern-\@mathmargin
11192             \MH_fi:
11193           \MH_fi:
11194             \usebox{\EQ_mathdisplay_box}}}%
11195         \else\makebox[\l_EQ_displaywidth_dim][l]{%
11196           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11197             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11198               \kern-\@mathmargin
11199             \MH_fi:
11200           \MH_fi:
11201             \usebox{\EQ_mathdisplay_box}}\fi%
11202       \MH_or:
11203         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%

```



```

11204     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11205     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11206         \kern-\@mathmargin
11207         \MH_fi:
11208     \MH_fi:
11209     \usebox{\EQ_mathdisplay_box}}
11210     \else\makebox[\l_EQ_displaywidth_dim][l]{%
11211     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11212     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11213         \kern-\@mathmargin
11214         \MH_fi:
11215     \MH_fi:
11216     \usebox{\EQ_mathdisplay_box}}\fi%
11217     \MH_fi:}%
11218     \EQ_right_side:$}%
11219 \begin{AmSequation*}
11220 \@nameuse{EQ_place_display_
11221     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11222 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
11223 \MH_set_boolean_T:n {show_manual_tags}
11224 \MH_if_case:w \l_EQ_alignmentmode_int
11225 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
11226 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
11227 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
11228 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
11229 \MH_fi:
11230 \MH_fi:
11231 \end{AmSequation*}
11232 \global\c@equation=\l_EQ_equation_fint\relax
11233 }
11234 \AtBeginDocument{%
11235 \ifpackageloaded{fancybox}{%
11236 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
11237 \renewcommand*\textcolor[2]{\normalcolor{#2}}}%
11238 \renewcommand*shadowbox{%
11239 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
11240 \VerbBox\EQ_shadowbox:n}
11241 {\MH_set_boolean_F:n {shadowbox_star}
11242 \VerbBox\EQ_shadowbox:n}}
11243 \def\EQ_shadowbox:n #1{%
11244 \sbox{\z@}{\fbox{#1}}%
11245 \MH_if_boolean:nTF {shadowbox_star}{
11246 \MH_setlength:dn \@tempdima{\z@}%
11247 }{
11248 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
11249 }
11250 \raisebox{\@tempdima}{%
11251 \if@RTL\makebox[\z@][r]{%
11252 \kern\shadowsize \textcolor{shadowcolor}{%
11253 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11254 }%
11255 \else\makebox[\z@][l]{%
11256 \kern\shadowsize \textcolor{shadowcolor}{%
11257 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%

```



```

11258     }\fi%
11259     \usebox\z@\textcolor{shadowcolor}{%
11260       \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
11261   }-}%
11262 }
11263 \MHInternalSyntaxOff

```

83 File extarticle-xetex-bidi.def

```

11264 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cla
11265 \renewcommand*\l@section[2]{%
11266   \ifnum \c@tocdepth >\z@
11267     \addpenalty\@secpenalty
11268     \addvspace{1.0em \@plus\p@}%
11269     \setlength\@tempdima{1.5em}%
11270     \begingroup
11271       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11272       \parfillskip -\@pnumwidth
11273       \leavevmode \bfseries
11274       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
11275       \hskip -\if@RTL\rightskip\else\leftskip\fi
11276       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
11277     \endgroup
11278   \fi}
11279 \renewcommand*\l@part[2]{%
11280   \ifnum \c@tocdepth >-2\relax
11281     \addpenalty\@secpenalty
11282     \addvspace{2.25em \@plus\p@}%
11283     \begingroup
11284       \setlength\@tempdima{3em}%
11285       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11286       \parfillskip -\@pnumwidth
11287       {\leavevmode
11288         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11289       \nobreak
11290     \endgroup
11291   \fi}
11292 \def\@part[#1]#2{%
11293   \ifnum \c@secnumdepth >\m@ne
11294     \refstepcounter{part}%
11295     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
11296   \else
11297     \addcontentsline{toc}{part}{#1}%
11298   \fi
11299   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11300     \interlinepenalty \@M
11301     \normalfont
11302     \ifnum \c@secnumdepth >\m@ne
11303       \Large\bfseries \partname-\thepart
11304     \par\nobreak
11305     \fi
11306     \huge \bfseries #2%
11307     \markboth{}{\par}%
11308     \nobreak

```



```

11309 \vskip 3ex
11310 \@afterheading}
11311 \def\@spart#1{%
11312 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11313 \interlinepenalty \M
11314 \normalfont
11315 \huge \bfseries #1\par}%
11316 \nobreak
11317 \vskip 3ex
11318 \@afterheading}
11319 \renewenvironment{thebibliography}[1]
11320 {\section*{\refname
11321 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
11322 \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
11323 \bidi@thebibliography@font@hook%
11324 \list{\@biblabel{\@arabic\c@enumiv}}%
11325 {\settowidth\labelwidth{\@biblabel{#1}}%
11326 \leftmargin\labelwidth
11327 \advance\leftmargin\labelsep
11328 \@openbib@code
11329 \usecounter{enumiv}%
11330 \let\p@enumiv\@empty
11331 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11332 \sloppy\clubpenalty4000\widowpenalty4000%
11333 \sfcode\.\@m}
11334 {\def\@noitemerr
11335 {\@latex@warning{Empty `thebibliography' environment}}%
11336 \endlist}
11337 \renewcommand\left@footnoterule{%
11338 \kern-3\p@
11339 \hrule\@width.4\columnwidth
11340 \kern2.6\p@}
11341 \renewcommand\right@footnoterule{%
11342 \kern-3\p@
11343 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11344 \kern2.6\p@}
11345 \if@titlepage
11346 \renewcommand\maketitle{\begin{titlepage}%
11347 \let\footnotesize\small
11348 \let\right@footnoterule\relax
11349 \let\left@footnoterule\relax
11350 \let\textwidth@footnoterule\relax
11351 \let \footnote \thanks
11352 \null\vfil
11353 \vskip 60\p@
11354 \begin{center}%
11355 {\LARGE \@title \par}%
11356 \vskip 3em%
11357 {\large
11358 \lineskip .75em%
11359 \begin{tabular}[t]{c}%
11360 \@author
11361 \end{tabular}\par}%
11362 \vskip 1.5em%

```



```

11363   {\large \@date \par}%           % Set date in \large size.
11364 \end{center}\par
11365 \@thanks
11366 \vfil\null
11367 \end{titlepage}%
11368 \setcounter{footnote}{0}%
11369 \global\let\thanks\relax
11370 \global\let\maketitle\relax
11371 \global\let\@thanks\@empty
11372 \global\let\@author\@empty
11373 \global\let\@date\@empty
11374 \global\let\@title\@empty
11375 \global\let\title\relax
11376 \global\let\author\relax
11377 \global\let\date\relax
11378 \global\let\and\relax
11379 }
11380 \else
11381 \renewcommand\maketitle{\par
11382 \begingroup
11383   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11384   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11385   \long\def\@makefntext##1{\parindent 1em\noindent
11386     \hb@xt@1.8em{%
11387       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11388   \if@twocolumn
11389     \ifnum \col@number=\@ne
11390       \@maketitle
11391     \else
11392       \twocolumn[\@maketitle]%
11393     \fi
11394   \else
11395     \newpage
11396     \global\@topnum\z@ % Prevents figures from going at top of page.
11397     \@maketitle
11398   \fi
11399   \thispagestyle{plain}\@thanks
11400 \endgroup
11401 \setcounter{footnote}{0}%
11402 \global\let\thanks\relax
11403 \global\let\maketitle\relax
11404 \global\let\@maketitle\relax
11405 \global\let\@thanks\@empty
11406 \global\let\@author\@empty
11407 \global\let\@date\@empty
11408 \global\let\@title\@empty
11409 \global\let\title\relax
11410 \global\let\author\relax
11411 \global\let\date\relax
11412 \global\let\and\relax
11413 }
11414 \def\@maketitle{%
11415 \newpage
11416 \null

```



```

11417 \vskip 2em%
11418 \begin{center}%
11419 \let \footnote \thanks
11420   {\LARGE \@title \par}%
11421   \vskip 1.5em%
11422   {\large
11423     \lineskip .5em%
11424     \begin{tabular}[t]{c}%
11425       \@author
11426     \end{tabular}\par}%
11427   \vskip 1em%
11428   {\large \@date}%
11429 \end{center}%
11430 \par
11431 \vskip 1.5em}
11432 \fi
11433 \renewcommand\thesubsection  {\thesection\@SepMark\@arabic\c@subsection}
11434 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11435 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11436 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

84 File extbook-xetex-bidi.def

```

11437 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for
11438 \if@titlepage
11439 \renewcommand\maketitle{\begin{titlepage}%
11440 \let\footnotesize\small
11441 \let\right@footnoterule\relax
11442 \let\left@footnoterule\relax
11443 \let\textwidth@footnoterule\relax
11444 \let \footnote \thanks
11445 \let \LTRfootnote \LTRthanks
11446 \let \RTLfootnote \RTLthanks
11447 \null\vfil
11448 \vskip 60\p@
11449 \begin{center}%
11450   {\LARGE \@title \par}%
11451   \vskip 3em%
11452   {\large
11453     \lineskip .75em%
11454     \begin{tabular}[t]{c}%
11455       \@author
11456     \end{tabular}\par}%
11457   \vskip 1.5em%
11458   {\large \@date \par}%           % Set date in \large size.
11459 \end{center}\par
11460 \@thanks
11461 \vfil\null
11462 \end{titlepage}%
11463 \setcounter{footnote}{0}%
11464 \global\let\thanks\relax
11465 \global\let\LTRthanks\relax
11466 \global\let\RTLthanks\relax
11467 \global\let\maketitle\relax

```



```

11468 \global\let\@thanks\@empty
11469 \global\let\@author\@empty
11470 \global\let\@date\@empty
11471 \global\let\@title\@empty
11472 \global\let\title\relax
11473 \global\let\author\relax
11474 \global\let\date\relax
11475 \global\let\and\relax
11476 }
11477 \else
11478 \renewcommand\maketitle{\par
11479 \begingroup
11480 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11481 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11482 \long\def\@makefntext##1{\parindent 1em\noindent
11483 \hb@xt@1.8em{%
11484 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11485 \if@twocolumn
11486 \ifnum \col@number=\@ne
11487 \@maketitle
11488 \else
11489 \twocolumn[\@maketitle]%
11490 \fi
11491 \else
11492 \newpage
11493 \global\@topnum\z@ % Prevents figures from going at top of page.
11494 \@maketitle
11495 \fi
11496 \thispagestyle{plain}\@thanks
11497 \endgroup
11498 \setcounter{footnote}{0}%
11499 \global\let\thanks\relax
11500 \global\let\LTRthanks\relax
11501 \global\let\RTLthanks\relax
11502 \global\let\maketitle\relax
11503 \global\let\@maketitle\relax
11504 \global\let\@thanks\@empty
11505 \global\let\@author\@empty
11506 \global\let\@date\@empty
11507 \global\let\@title\@empty
11508 \global\let\title\relax
11509 \global\let\author\relax
11510 \global\let\date\relax
11511 \global\let\and\relax
11512 }
11513 \def\@maketitle{%
11514 \newpage
11515 \null
11516 \vskip 2em%
11517 \begin{center}%
11518 \let \footnote \thanks
11519 \let \LTRfootnote \LTRthanks
11520 \let \RTLfootnote \RTLthanks
11521 {\LARGE \@title \par}%

```



```

11522 \vskip 1.5em%
11523 {\large
11524 \lineskip .5em%
11525 \begin{tabular}[t]{c}%
11526 \author
11527 \end{tabular}\par}%
11528 \vskip 1em%
11529 {\large \@date}%
11530 \end{center}%
11531 \par
11532 \vskip 1.5em}
11533 \fi
11534 \renewcommand*\l@part[2]{%
11535 \ifnum \c@tocdepth >-2\relax
11536 \addpenalty{-\@highpenalty}%
11537 \addvspace{2.25em \@plus\p@}%
11538 \begingroup
11539 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11540 \parfillskip -\@pnumwidth
11541 {\leavevmode
11542 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11543 \nobreak
11544 \global\@nobreaktrue
11545 \everypar{\global\@nobreakfalse\everypar{}}%
11546 \endgroup
11547 \fi}
11548 \renewcommand\theequation
11549 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11550 \renewcommand \thefigure
11551 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11552 \renewcommand \thetable
11553 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11554 \renewcommand \thechapter {\@arabic\c@chapter}
11555 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11556 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11557 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11558 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11559 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
11560 \def\@makechapterhead#1{%
11561 \vspace*{50\p@}%
11562 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
11563 \ifnum \c@secnumdepth >\m@ne
11564 \if@mainmatter
11565 \huge\bfseries \@chapapp\space \thechapter
11566 \par\nobreak
11567 \vskip 20\p@
11568 \fi
11569 \fi
11570 \interlinepenalty\@M
11571 \Huge \bfseries #1\par\nobreak
11572 \vskip 40\p@
11573 }}
11574
11575 \def\@makeschapterhead#1{%

```




```

11576 \vspace*{50\p@}%
11577 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11578 \normalfont
11579 \interlinepenalty\@M
11580 \Huge \bfseries #1\par\nobreak
11581 \vskip 40\p@
11582 }}
11583 \renewcommand\backmatter{%
11584 \if@openright
11585 \cleardoublepage
11586 \else
11587 \clearpage
11588 \fi
11589 \@mainmatterfalse}
11590 \renewenvironment{thebibliography}[1]
11591 {\chapter*{\bibname
11592 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
11593 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11594 \bidi@thebibliography@font@hook%
11595 \list{\@biblabel{\@arabic\c@enumiv}}%
11596 {\settowidth\labelwidth{\@biblabel{#1}}%
11597 \leftmargin\labelwidth
11598 \advance\leftmargin\labelsep
11599 \@openbib@code
11600 \usecounter{enumiv}}%
11601 \let\p@enumiv\@empty
11602 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11603 \sloppy
11604 \clubpenalty4000
11605 \@clubpenalty \clubpenalty
11606 \widowpenalty4000%
11607 \sfcode`. \@m}
11608 {\def\@noitemerr
11609 {\@latex@warning{Empty `thebibliography' environment}}}%
11610 \endlist}

```

85 File extletter-xetex-bidi.def

```

11611 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
11612 \renewcommand*\opening}[1]{\ifx\@empty\fromaddress
11613 \thispagestyle{firstpage}%
11614 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
11615 \else % home address
11616 \thispagestyle{empty}%
11617 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignore
11618 \fromaddress \*[2\parskip]%
11619 \@date \end{tabular}\par}%
11620 \fi
11621 \vspace{2\parskip}%
11622 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
11623 \vspace{2\parskip}%
11624 #1\par\nobreak}
11625 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
11626 \stopbreaks

```



```

11627 \noindent
11628 \ifx\@empty\fromaddress\else
11629 \hspace*{\longindentation}\fi
11630 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
11631 \ignorespaces #1\}[6\medskipamount]%
11632 \ifx\@empty\fromsig
11633 \fromname
11634 \else \fromsig \fi\strut}%
11635 \par}
11636 \renewcommand\left@footnoterule{%
11637 \kern-\p@
11638 \hrule \@width .4\columnwidth
11639 \kern .6\p@}
11640 \renewcommand\right@footnoterule{%
11641 \kern-\p@
11642 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11643 \kern .6\p@}

```

86 File extrafootnotefeatures-xetex-bidi.def

```

11644 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2023/08/02 v2.6 bidi extra footnote feat
11645 \newdimen\bidi@columnwidth
11646 \def\bidi@floathook{%
11647 \bidi@columnwidth\columnwidth
11648 }
11649 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
11650 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
11651 \if@bidi@csundef{HLTR@@LTRfootnotetext}{}{%
11652 \ifHy@hyperfootnotes
11653 \let\@H@@footnotetext\@footnotetext
11654 \let\@HLTR@@LTRfootnotetext\@LTRfootnotetext
11655 \let\@HRTL@@RTLfootnotetext\@RTLfootnotetext
11656 \let\@H@@mpfootnotetext\@mpfootnotetext
11657 \let\@HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
11658 \let\@HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
11659 \fi
11660 }%
11661 }%
11662 }
11663 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
11664 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
11665 \if@bidi@csundef{HLTR@@LTRfootnotetext}{}{%
11666 \ifHy@hyperfootnotes
11667 \let\@H@@footnotetext\@footnotetext
11668 \let\@footnotetext\@H@@footnotetext
11669 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
11670 \let\@LTRfootnotetext\@HLTR@@LTRfootnotetext
11671 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
11672 \let\@RTLfootnotetext\@HRTL@@RTLfootnotetext
11673 \let\@H@@mpfootnotetext\@mpfootnotetext
11674 \let\@mpfootnotetext\@H@@mpfootnotetext
11675 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
11676 \let\@mpLTRfootnotetext\@HLTR@@mpLTRfootnotetext
11677 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext

```



```

11678 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
11679 \fi
11680 }%
11681 }%
11682 }
11683 \let\autofooterule\relax
11684 \let\rightfooterule\relax
11685 \let\leftfooterule\relax
11686 \let\textwidthfooterule\relax
11687 \let\LRfooterule\relax
11688 \def\footerule{\kern-3\p@
11689 \hrule \@width \columnwidth \kern 2.6\p@}
11690 \newcommand{\@preamnormalfmt}{%
11691 \parindent 1em%
11692 \noindent
11693 }
11694 \newcommand{\@normalfootfmt}[1]{%
11695 \@preamnormalfmt
11696 \footfootmark
11697 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
11698 \@finalstrut\strutbox
11699 }
11700 \newcommand{\@normalRTLfootfmt}[1]{%
11701 \@preamnormalfmt
11702 \RTLfootfootmark
11703 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
11704 \@finalstrut\strutbox
11705 }
11706 \newcommand{\@normalLTRfootfmt}[1]{%
11707 \@preamnormalfmt
11708 \LTRfootfootmark
11709 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
11710 \@finalstrut\strutbox
11711 }
11712 \renewcommand{\@footnotetext}[1]{%
11713 \insert\footins{%
11714 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11715 \def\baselinestretch{\m@m@footnote@spacing}%
11716 \reset@font
11717 \foottextfont
11718 \@preamfntext
11719 \hsize\columnwidth
11720 \protected@edef\@currentlabel{%
11721 \csname p@footnote\endcsname\@thefnmark}%
11722 \color@begingroup
11723 \@normalfootfmt{#1}%
11724 \color@endgroup}%
11725 \m@mmf@prepare}
11726 \newcommand{\@bidi@bidiold@footnotetext}[1]{%
11727 \bidi@step@absolute@footnote@count
11728 \bidi@reinsert@footnote\footinsv1\@footstartv1\@LTRfootgroupv1
11729 \insert\footins{%
11730 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11731 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

11732 \reset@font
11733 \foottextfont
11734 \@preamftext
11735 \hsize\columnwidth
11736 \protected@edef\@currentlabel{%
11737   \csname p@footnote\endcsname\@thefnmark}%
11738 \color@begingroup
11739   \@normalfootfmt{#1}%
11740 \color@endgroup}%
11741   \m@mmf@prepare
11742 }
11743 \renewcommand{\@RTLfootnotetext}[1]{%
11744   \insert\footins{%
11745     \RTLtrue%
11746     \def\baselinestretch{\m@m@footnote@spacing}%
11747     \reset@font
11748     \RTLfoottextfont
11749     \@preamftext
11750     \hsize\columnwidth
11751     \protected@edef\@currentlabel{%
11752       \csname p@footnote\endcsname\@thefnmark}%
11753     \color@begingroup
11754       \@normalRTLfootfmt{#1}%
11755     \color@endgroup}%
11756     \m@mmf@prepare}
11757 \newcommand{\@bidi@bidiold@RTLfootnotetext}[1]{%
11758   \bidi@step@absolute@footnote@count
11759   \bidi@reinsertfootnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
11760   \insert\footins{%
11761     \RTLtrue%
11762     \def\baselinestretch{\m@m@footnote@spacing}%
11763     \reset@font
11764     \RTLfoottextfont
11765     \@preamftext
11766     \hsize\columnwidth
11767     \protected@edef\@currentlabel{%
11768       \csname p@footnote\endcsname\@thefnmark}%
11769     \color@begingroup
11770       \@normalRTLfootfmt{#1}%
11771     \color@endgroup}%
11772     \m@mmf@prepare
11773 }
11774 \renewcommand{\@LTRfootnotetext}[1]{%
11775   \insert\footins{%
11776     \RTLfalse%
11777     \def\baselinestretch{\m@m@footnote@spacing}%
11778     \reset@font
11779     \LTRfoottextfont
11780     \@preamftext
11781     \hsize\columnwidth
11782     \protected@edef\@currentlabel{%
11783       \csname p@footnote\endcsname\@thefnmark}%
11784     \color@begingroup
11785       \@normalLTRfootfmt{#1}%

```



```

11786 \color@endgroup}%
11787 \m@mmf@prepare}
11788 \renewcommand{\@mpfootnotetext}[1]{%
11789 \global\setbox\@mpfootins\vbox{%
11790 \unvbox\@mpfootins
11791 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
11792 \def\baselinestretch{\m@m@footnote@spacing}%
11793 \reset@font%
11794 \foottextfont \hsize\columnwidth \@parboxrestore
11795 \protected@edef\@currentlabel{%
11796 \csname p@mpfootnote\endcsname\@thefnmark}%
11797 \color@begingroup
11798 \@normalfootfmt{#1}%
11799 \color@endgroup}}
11800 \newcommand{\@bidi@bidiold@mpfootnotetext}[1]{%
11801 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
11802 \global\setbox\@mpfootins\vbox{%
11803 \unvbox\@mpfootins
11804 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11805 \def\baselinestretch{\m@m@footnote@spacing}%
11806 \reset@font%
11807 \foottextfont \hsize\columnwidth \@parboxrestore
11808 \protected@edef\@currentlabel{%
11809 \csname p@mpfootnote\endcsname\@thefnmark}%
11810 \color@begingroup
11811 \@normalfootfmt{#1}%
11812 \color@endgroup}}
11813 \renewcommand{\@mplTRfootnotetext}[1]{%
11814 \global\setbox\@mpfootins\vbox{%
11815 \unvbox\@mpfootins
11816 \@RTLfalse
11817 \def\baselinestretch{\m@m@footnote@spacing}%
11818 \reset@font%
11819 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
11820 \protected@edef\@currentlabel{%
11821 \csname p@mpfootnote\endcsname\@thefnmark}%
11822 \color@begingroup
11823 \@normallTRfootfmt{#1}%
11824 \color@endgroup}}
11825 \renewcommand{\@mpRTLfootnotetext}[1]{%
11826 \global\setbox\@mpfootins\vbox{%
11827 \unvbox\@mpfootins
11828 \@RTLtrue
11829 \def\baselinestretch{\m@m@footnote@spacing}%
11830 \reset@font%
11831 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11832 \protected@edef\@currentlabel{%
11833 \csname p@mpfootnote\endcsname\@thefnmark}%
11834 \color@begingroup
11835 \@normalRTLfootfmt{#1}%
11836 \color@endgroup}}
11837 \newcommand{\@bidi@bidiold@mpRTLfootnotetext}[1]{%
11838 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
11839 \global\setbox\@mpfootins\vbox{%

```



```

11840 \unvbox\@mpfootins
11841 \RTLtrue
11842 \def\baselinestretch{\m@m@footnote@spacing}%
11843 \reset@font%
11844 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11845 \protected@edef\@currentlabel{%
11846   \csname p@mpfootnote\endcsname\@thefnmark}%
11847 \color@begingroup
11848 \@normalRTLfootfmt{#1}%
11849 \color@endgroup}}
11850 \let\m@mold@footnotetext\@footnotetext
11851 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
11852 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
11853 \let\m@mold@mpfootnotetext\@mpfootnotetext
11854 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
11855 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
11856 \bidi@ensure@newcommand{\normalfootnotes}{%
11857   \@bidi@before@Hy@hyperfootnotes
11858   \let\@footnotetext\m@mold@footnotetext
11859   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
11860   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
11861   \let\@mpfootnotetext\m@mold@mpfootnotetext
11862   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
11863   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
11864   \@bidi@after@Hy@hyperfootnotes
11865   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11866 }
11867 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{ }
11868 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
11869   \def\m@m@singlespace{#1}%
11870   \def\m@m@footnote@spacing{#1}%
11871   \def\m@m@float@spacing{#1} %
11872 }
11873 \setSingleSpace{1}
11874 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
11875 \bidi@ensure@newcommand*{\m@m@mmf@prepare}{%
11876   \kern-\multiplefootnotemarker
11877   \kern\multiplefootnotemarker\relax}
11878 \bidi@ensure@newlength{\footmarkwidth}
11879 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
11880 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
11881 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
11882 \bidi@ensure@newcommand{\footfootmark}{%
11883   \ifdim\footmarkwidth < \z@
11884     \llap{\hb@xt@ -\footmarkwidth{%
11885       \hss\normalfont\footscript{\@thefnmark}}%
11886       \hspace*{-\footmarkwidth}}%
11887   \else
11888     \ifdim\footmarkwidth = \z@
11889       {\normalfont\footscript{\@thefnmark}}%
11890     \else
11891       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
11892     \fi
11893   \fi}

```



```

11894 \bidi@ensure@newcommand{\LTRfootfootmark}{%
11895   \ifdim\footmarkwidth < \z@
11896     \llap{\hb@xt@ -\footmarkwidth{%
11897       \hss\normalfont\LTRfootscript{\@thefnmark}}%
11898       \hspace*{-\footmarkwidth}}%
11899   \else
11900     \ifdim\footmarkwidth = \z@
11901       {\normalfont\LTRfootscript{\@thefnmark}}%
11902     \else
11903       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
11904     \fi
11905   \fi}
11906 \bidi@ensure@newcommand{\RTLfootfootmark}{%
11907   \ifdim\footmarkwidth < \z@
11908     \llap{\hb@xt@ -\footmarkwidth{%
11909       \hss\normalfont\RTLfootscript{\@thefnmark}}%
11910       \hspace*{-\footmarkwidth}}%
11911   \else
11912     \ifdim\footmarkwidth = \z@
11913       {\normalfont\RTLfootscript{\@thefnmark}}%
11914     \else
11915       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
11916     \fi
11917   \fi}
11918 \footmarkstyle{\textsuperscript{#1}}
11919 \LTRfootmarkstyle{\textsuperscript{#1}}
11920 \RTLfootmarkstyle{\textsuperscript{#1}}
11921 \newcommand*{\bidi@normal@footmarkwidth}{%
11922   \setlength{\footmarkwidth}{1em plus.3em minus.3em}%
11923 }
11924 \newcommand*{\bidi@star@footmarkwidth}{%
11925   \setlength{\footmarkwidth}{0em plus.3em minus.3em}%
11926 }
11927 \bidi@normal@footmarkwidth
11928 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
11929 \bidi@ensure@newcommand*{\extrafeetins}{%
11930   \bidi@joinfootnotes\footinsv@r\@footstartv@r\@footgroupv@r
11931   \bidi@joinfootnotes\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11932   \bidi@joinfootnotes\@bidi@copyins@{\@unvbox\@bidi@copyins@}%
11933   \extrafeetinshook}
11934 \bidi@ensure@newcommand{\extrafeetinshook}{\@}
11935 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
11936 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
11937 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
11938 \bidi@ensure@newlength{\footinsdim}
11939 \setlength{\footinsdim}{8in} % standard for \dimen\footins
11940 \bidi@ensure@newcommand{\@preamfntext}{%
11941   \interlinepenalty\interfootnotelinepenalty
11942   \floatingpenalty \@MM
11943   \splittopskip=\footnotesep
11944   \splitmaxdepth=\dp\strutbox
11945   \@parboxrestore}
11946 \def\bidi@ifmulticol#1#2{\@tempwafalse
11947   \ifnum\col@number>\@ne

```



```

11948 \ifnum\count\footins>1999 \@tempwatruue \fi
11949 \fi
11950 \if@tempswa #1\else #2\fi
11951 }
11952 \def\bidijoinfootnotes#1#2#3{%
11953 \ifvoid#1
11954 \else
11955 \@tempskipa\skip#1%
11956 \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
11957 \edef\bidifootskip{\vskip\the\@tempskipa\relax}%
11958 \bidi@removexfootskip
11959 \ifvoid\footins
11960 \global\setbox\footins\vbox{#2#3}%
11961 \else
11962 \global\setbox\footins\vbox{%
11963 \unvbox\footins
11964 \bidi@footskip
11965 #2#3%
11966 }%
11967 \fi
11968 \fi
11969 }
11970 \def\bidireinsertfootnote#1#2#3{%
11971 \ifvoid#1%
11972 \else
11973 \insert\footins{#2#3}%
11974 \fi
11975 }
11976 \def\bidijoinmpfootnotes#1#2#3{%
11977 \ifvoid#1
11978 \else
11979 \@tempskipa\skip#1%
11980 \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
11981 \edef\bidifootskip{\vskip\the\@tempskipa\relax}%
11982 \bidi@removexfootskip
11983 \ifvoid\@mpfootins
11984 \global\setbox\@mpfootins\vbox{#2#3}%
11985 \else
11986 \global\setbox\@mpfootins\vbox{%
11987 \unvbox\@mpfootins
11988 \bidi@footskip
11989 #2#3%
11990 }%
11991 \fi
11992 \fi
11993 }
11994 \newcount\bidiabsolutepage@count
11995 \bidi@absolute@page@count\@ne
11996 \newcount\bidiabsolutefootnote@count
11997 \bidi@AfterOutputBoxOutputPage{%
11998 \if@filesw
11999 \edef\@tempa{%
12000 \write\@auxout{%
12001 \string\bidifinalfootnoteperpage%

```




```

12002         {\noexpand\number\noexpand\bid@absolute@page@count}%
12003         {\noexpand\number\noexpand\bid@absolute@footnote@count}%
12004     }%
12005 }%
12006     \@tempa
12007     \fi
12008 }
12009 \bid@AtEndOutputPage{%
12010     \global\advance\bid@absolute@page@count\@ne
12011 }
12012 \newcommand*\bid@finalfootnote@perpage}[2]{%
12013     \expandafter\gdef\csname bid@currentpagefinalfootnote@@#1\endcsname{#2}%
12014 }
12015 \newif\if@bid@finalfootnote@perpage
12016 \newcommand{\bid@ifafterfinalfootnote@perpage}[2]{%
12017     \if@bid@csundef{bid@currentpagefinalfootnote@@\number\bid@absolute@page@count}{%
12018         \global\@bid@finalfootnote@perpage@true
12019     }{%
12020         \global\@bid@finalfootnote@perpage@false
12021         \ifnum\bid@absolute@footnote@count=\bid@csuse{bid@currentpagefinalfootnote@@\number\bid@absolute@footnote@count}
12022             #1%
12023         \else
12024             #2%
12025         \fi
12026     }%
12027 }
12028 \newcommand{\bid@reinsertfinalfootnote@perpage}[3]{%
12029     \bid@ifafterfinalfootnote@perpage{%
12030         \bid@reinsertfootnote{#1}{#2}{#3}%
12031     }{%
12032     }%
12033 }
12034 \newcommand*\bid@step@absolute@footnote@count}{%
12035     \global\advance\bid@absolute@footnote@count\@ne
12036 }
12037 \bid@AfterEndDocumentCheckLabelsRerun{%
12038     \if@bid@finalfootnote@perpage
12039         \PackageWarningNoLine{bid}{%
12040             The absolute final footnote is not
12041             known on every page of your
12042             document. Rerun TeX to get the
12043             absolute final footnote on every page
12044             of your document%
12045         }%
12046     \fi
12047 }
12048 \bid@ensure@newcommand{\m@mdoextrafeetmini}{%
12049     \extrafeetminihook}
12050 \bid@ensure@newcommand{\extrafeetendmini}{%
12051     \bid@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12052     \bid@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12053     \extrafeetendminihook}
12054 \bid@ensure@newcommand{\extrafeetendminihook}{%
12055     \bid@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}

```



```

12056 \def\endminipage{%
12057   \par
12058   \unskip
12059   \m@doextrafeetendmini
12060   \ifvoid\@mpfootins
12061   \else
12062     \vskip\skip\@mpfootins
12063     \normalcolor
12064     \footnoterule
12065     \unvbox\@mpfootins
12066   \fi
12067   \@minipagefalse
12068   \color@endgroup
12069   \egroup
12070   \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
12071 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
12072   \@namedef{@footstart#1}{%
12073     \leftskip=\z@
12074     \rightskip=\z@
12075     \parindent=\z@
12076   }%
12077 }
12078 \newinsert\footinsv@r
12079 \skip\footinsv@r\skip\footins
12080 \count\footinsv@r=1000 % no magnification
12081 \dimen\footinsv@r=\footinsdim
12082 \m@make@footstart{v@r}
12083 \newinsert\footinsv@l
12084 \skip\footinsv@l\skip\footins
12085 \count\footinsv@l=1000 % no magnification
12086 \dimen\footinsv@l=\footinsdim
12087 \m@make@footstart{v@l}
12088 \bidi@ensure@newcommand{\@footgroupv@r}{%}
12089 \newinsert\@mpfootinsv@r
12090 \skip\@mpfootinsv@r\skip\@mpfootins
12091 \newinsert\@mpfootinsv@l
12092 \skip\@mpfootinsv@l\skip\@mpfootins
12093 \bidi@ensure@newcommand{\mp@footgroupv@r}{%}
12094 \newcount\m@m@k \newdimen\m@m@h
12095 \bidi@ensure@newcommand*{\m@rigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12096   \@@line{\beginR\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12097   \valign{##\vfill\cr\m@mdosplits}\endR}}
12098 \newcommand*{\bidi@LTRrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12099   \@@line{\beginL\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12100   \valign{##\vfill\cr\m@mdosplits}\endL}}
12101 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
12102   \global\advance\m@m@k-1\cr\m@mdosplits\fi}
12103 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
12104   \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
12105   \setbox2 \vsplit0 to \dimen0
12106   \unvbox2 }
12107 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
12108   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12109   \@namedef{foottextfontv@l}{\LTRfoottextfont}%

```



```

12110 \@bidi@before@Hy@hyperfootnotes
12111 \let\@footnotetext\@twocolfootnotetext
12112 \let\@LTRfootnotetext\@twocolLTRfootnotetext
12113 \let\@RTLfootnotetext\@twocolRTLfootnotetext
12114 \dimen\footinsv@r=2\footinsdim
12115 \count\footinsv@r=500\relax
12116 \m@make@twocol@footgroup{v@r}%
12117 \let\@footgroupv@r\@twocol@footgroupv@r
12118 \dimen\footinsv@l=2\footinsdim
12119 \count\footinsv@l=500\relax
12120 \bidi@make@twocol@LTRfootgroup{v@l}%
12121 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12122 \let\@mpfootnotetext\@mptwocolfootnotetext
12123 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
12124 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
12125 \@bidi@after@Hy@hyperfootnotes
12126 \m@make@mptwocol@footgroup{v@r}%
12127 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
12128 \bidi@make@mptwocol@LTRfootgroup{v@l}%
12129 \let\mp@LTRfootgroupv@l\@mptwocol@LTRfootgroupv@l
12130 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12131 }
12132 \newcommand{\TwoColumnFootnotes}{%
12133 \@namedef{foottextfontv@r}{\foottextfont}%
12134 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12135 \@bidi@before@Hy@hyperfootnotes
12136 \let\@footnotetext\@TwoColfootnotetext
12137 \let\@LTRfootnotetext\@TwoColLTRfootnotetext
12138 \let\@RTLfootnotetext\@TwoColRTLfootnotetext
12139 \dimen\footinsv@r=2\footinsdim
12140 \count\footinsv@r=500\relax
12141 \m@make@twocol@footgroup{v@r}%
12142 \let\@footgroupv@r\@twocol@footgroupv@r
12143 \dimen\footinsv@l=2\footinsdim
12144 \count\footinsv@l=500\relax
12145 \bidi@make@twocol@LTRfootgroup{v@l}%
12146 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12147 \let\@mpfootnotetext\@mpTwoColfootnotetext
12148 \let\@mpLTRfootnotetext\@mpTwoColLTRfootnotetext
12149 \let\@mpRTLfootnotetext\@mpTwoColRTLfootnotetext
12150 \@bidi@after@Hy@hyperfootnotes
12151 \m@make@mptwocol@footgroup{v@r}%
12152 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
12153 \bidi@make@mptwocol@LTRfootgroup{v@l}%
12154 \let\mp@LTRfootgroupv@l\@mptwocol@LTRfootgroupv@l
12155 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12156 }
12157 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert
12158 \if@RTL@footnote
12159 \footinsv@r
12160 \else
12161 \footinsv@l
12162 \fi
12163 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```



```

12164 \def\baselinestretch{\m@m@footnote@spacing}%
12165 \reset@font\foottextfont
12166 \@preamfntext
12167 \protected@edef\@currentlabel{%
12168   \csname p@footnote\endcsname\@thefnmark}%
12169 \color@begingroup
12170   \@twocolfootfmt{#1}%
12171 \color@endgroup}%
12172 \m@mmf@prepare}
12173 \newcommand{\@TwoColfootnotetext}[1]{%
12174   \bidi@step@absolute@footnote@count
12175   \ifRTL@footnote
12176     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12177   \else
12178     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12179   \fi
12180   \global\setbox
12181   \ifRTL@footnote
12182     \footinsv@r
12183   \else
12184     \footinsv@l
12185   \fi
12186   \vbox{%
12187     \unvbox
12188     \ifRTL@footnote
12189       \footinsv@r
12190     \else
12191       \footinsv@l
12192     \fi
12193     \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
12194   \def\baselinestretch{\m@m@footnote@spacing}%
12195   \reset@font\foottextfont
12196   \@preamfntext
12197   \protected@edef\@currentlabel{%
12198     \csname p@footnote\endcsname\@thefnmark}%
12199   \color@begingroup
12200     \@twocolfootfmt{#1}%
12201   \color@endgroup}%
12202   \m@mmf@prepare
12203   \ifRTL@footnote
12204     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12205   \else
12206     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12207   \fi
12208 }
12209 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12210   \def\baselinestretch{\m@m@footnote@spacing}%
12211   \reset@font\LTRfoottextfont
12212   \@preamfntext
12213   \protected@edef\@currentlabel{%
12214     \csname p@footnote\endcsname\@thefnmark}%
12215   \color@begingroup
12216     \@twocolLTRfootfmt{#1}%
12217   \color@endgroup}%

```



```

12218 \m@mmf@prepare}
12219 \newcommand{\@TwoCoLLTRfootnotetext}[1]{%
12220 \bidi@step@absolutefootnote@count
12221 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12222 \global\setbox\footinsv@l\vbox{%
12223 \unvbox\footinsv@l
12224 \@RTLfalse
12225 \def\baselinestretch{\m@m@footnote@spacing}%
12226 \reset@font\LTRfoottextfont
12227 \@preamfntext
12228 \protected@edef\@currentlabel{%
12229 \csname p@footnote\endcsname\@thefnmark}%
12230 \color@begingroup
12231 \@twocolLTRfootfmt{#1}%
12232 \color@endgroup}%
12233 \m@mmf@prepare
12234 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12235 }
12236 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12237 \def\baselinestretch{\m@m@footnote@spacing}%
12238 \reset@font\RTLfoottextfont
12239 \@preamfntext
12240 \protected@edef\@currentlabel{%
12241 \csname p@footnote\endcsname\@thefnmark}%
12242 \color@begingroup
12243 \@twocolRTLfootfmt{#1}%
12244 \color@endgroup}%
12245 \m@mmf@prepare}
12246 \newcommand{\@TwoCoLRTLfootnotetext}[1]{%
12247 \bidi@step@absolutefootnote@count
12248 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12249 \global\setbox\footinsv@r\vbox{%
12250 \unvbox\footinsv@r
12251 \@RTLtrue
12252 \def\baselinestretch{\m@m@footnote@spacing}%
12253 \reset@font\RTLfoottextfont
12254 \@preamfntext
12255 \protected@edef\@currentlabel{%
12256 \csname p@footnote\endcsname\@thefnmark}%
12257 \color@begingroup
12258 \@twocolRTLfootfmt{#1}%
12259 \color@endgroup}%
12260 \m@mmf@prepare
12261 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12262 }
12263 \bidi@ensure@newcommand{\@preamtwofmt}{%
12264 \hspace .45\hspace
12265 \parindent=\z@
12266 \tolerance=5000\relax
12267 \leavevmode}
12268 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
12269 \@preamtwofmt
12270 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12271 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%

```



```

12272 \@preamtwofmt
12273 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12274 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
12275 \@preamtwofmt
12276 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12277 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
12278 \global\setbox
12279 \if@RTL@footnote
12280 \@mpfootinsv@r
12281 \else
12282 \@mpfootinsv@l
12283 \fi
12284 \vbox{%
12285 \unvbox
12286 \if@RTL@footnote
12287 \@mpfootinsv@r
12288 \else
12289 \@mpfootinsv@l
12290 \fi
12291 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12292 \def\baselinestretch{\m@m@footnote@spacing}%
12293 \reset@font\foottextfont
12294 \hsize\columnwidth \@parboxrestore
12295 \protected@edef\@currentlabel{%
12296 \csname p@mpfootnote\endcsname\@thefnmark}%
12297 \color@begingroup
12298 \@twocolfootfmt{#1}%
12299 \color@endgroup}%
12300 \m@mmf@prepare}
12301 \newcommand{\@mpTwoColfootnotetext}[1]{%
12302 \if@RTL@footnote
12303 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12304 \else
12305 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12306 \fi
12307 \global\setbox
12308 \if@RTL@footnote
12309 \@mpfootinsv@r
12310 \else
12311 \@mpfootinsv@l
12312 \fi
12313 \vbox{%
12314 \unvbox
12315 \if@RTL@footnote
12316 \@mpfootinsv@r
12317 \else
12318 \@mpfootinsv@l
12319 \fi
12320 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12321 \def\baselinestretch{\m@m@footnote@spacing}%
12322 \reset@font\foottextfont
12323 \hsize\columnwidth \@parboxrestore
12324 \protected@edef\@currentlabel{%
12325 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

12326 \color@begingroup
12327   \@twocolfootfmt{#1}%
12328 \color@endgroup}%
12329 \m@mmf@prepare}
12330 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
12331 \global\setbox\@mpfootinsv@l\vbox{%
12332   \unvbox\@mpfootinsv@l
12333   \@RTLfalse
12334   \def\baselinestretch{\m@m@footnote@spacing}%
12335   \reset@font\LTRfoottextfont
12336   \hsize\columnwidth \@parboxrestore
12337   \protected@edef\@currentlabel{%
12338     \csname p@mpfootnote@endcsname\@thefnmark}%
12339 \color@begingroup
12340   \@twocolLTRfootfmt{#1}%
12341 \color@endgroup}%
12342 \m@mmf@prepare}
12343 \newcommand{\@mpTwoCollTRfootnotetext}[1]{%
12344 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12345 \global\setbox\@mpfootinsv@l\vbox{%
12346   \unvbox\@mpfootinsv@l
12347   \@RTLfalse
12348   \def\baselinestretch{\m@m@footnote@spacing}%
12349   \reset@font\LTRfoottextfont
12350   \hsize\columnwidth \@parboxrestore
12351   \protected@edef\@currentlabel{%
12352     \csname p@mpfootnote@endcsname\@thefnmark}%
12353 \color@begingroup
12354   \@twocolLTRfootfmt{#1}%
12355 \color@endgroup}%
12356 \m@mmf@prepare}
12357 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
12358 \global\setbox\@mpfootinsv@r\vbox{%
12359   \unvbox\@mpfootinsv@r
12360   \@RTLtrue
12361   \def\baselinestretch{\m@m@footnote@spacing}%
12362   \reset@font\RTLfoottextfont
12363   \hsize\columnwidth \@parboxrestore
12364   \protected@edef\@currentlabel{%
12365     \csname p@mpfootnote@endcsname\@thefnmark}%
12366 \color@begingroup
12367   \@twocolRTLfootfmt{#1}%
12368 \color@endgroup}%
12369 \m@mmf@prepare}
12370 \newcommand{\@mpTwoColRTLfootnotetext}[1]{%
12371 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12372 \global\setbox\@mpfootinsv@r\vbox{%
12373   \unvbox\@mpfootinsv@r
12374   \@RTLtrue
12375   \def\baselinestretch{\m@m@footnote@spacing}%
12376   \reset@font\RTLfoottextfont
12377   \hsize\columnwidth \@parboxrestore
12378   \protected@edef\@currentlabel{%
12379     \csname p@mpfootnote@endcsname\@thefnmark}%

```



```

12380 \color@begingroup
12381 \@twocolRTLfootfmt{#1}%
12382 \color@endgroup}%
12383 \m@mmf@prepare}
12384 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
12385 \@namedef{@twocol@footgroup#1}{{%
12386 \def\baselinestretch{\m@m@footnote@spacing}%
12387 \hsize\bidi@columnwidth
12388 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12389 \m@r@rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12390 \newcommand{\bidi@make@twocol@LTRfootgroup}[1]{%
12391 \@namedef{@twocol@LTRfootgroup#1}{{%
12392 \def\baselinestretch{\m@m@footnote@spacing}%
12393 \hsize\bidi@columnwidth
12394 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12395 \bidi@LTR@rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12396 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
12397 \@namedef{@mptwocol@footgroup#1}{{%
12398 \def\baselinestretch{\m@m@footnote@spacing}%
12399 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12400 \m@r@rigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
12401 \newcommand{\bidi@make@mptwocol@LTRfootgroup}[1]{%
12402 \@namedef{@mptwocol@LTRfootgroup#1}{{%
12403 \def\baselinestretch{\m@m@footnote@spacing}%
12404 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12405 \bidi@LTR@rigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
12406 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
12407 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12408 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12409 \@bidi@before@Hy@hyperfootnotes
12410 \let\@footnotetext\@threecolfootnotetext
12411 \let\@LTRfootnotetext\@threecolLTRfootnotetext
12412 \let\@RTLfootnotetext\@threecolRTLfootnotetext
12413 \dimen\footinsv@r=3\footinsdim
12414 \count\footinsv@r=333\relax
12415 \m@make@threecol@footgroup{v@r}%
12416 \let\@footgroupv@r\@threecol@footgroupv@r
12417 \dimen\footinsv@l=3\footinsdim
12418 \count\footinsv@l=333\relax
12419 \bidi@make@threecol@LTRfootgroup{v@l}%
12420 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12421 \let\@mpfootnotetext\@mpthreecolfootnotetext
12422 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
12423 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
12424 \@bidi@after@Hy@hyperfootnotes
12425 \m@make@mpthreecol@footgroup{v@r}%
12426 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12427 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12428 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12429 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12430 }
12431 \newcommand{\ThreeColumnFootnotes}{%
12432 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12433 \@namedef{foottextfontv@l}{\LTRfoottextfont}%

```




```

12434 \@bidi@before@Hy@hyperfootnotes
12435 \let\@footnotetext\@ThreeColfootnotetext
12436 \let\@LTRfootnotetext\@ThreeColLTRfootnotetext
12437 \let\@RTLfootnotetext\@ThreeColRTLfootnotetext
12438 \dimen\footinsv@r=3\footinsdim
12439 \count\footinsv@r=333\relax
12440 \m@make@threecol@footgroup{v@r}%
12441 \let\@footgroupv@r\@threecol@footgroupv@r
12442 \dimen\footinsv@l=3\footinsdim
12443 \count\footinsv@l=333\relax
12444 \bidi@make@threecol@LTRfootgroup{v@l}%
12445 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12446 \let\@mpfootnotetext\@mpThreeColfootnotetext
12447 \let\@mpLTRfootnotetext\@mpThreeColLTRfootnotetext
12448 \let\@mpRTLfootnotetext\@mpThreeColRTLfootnotetext
12449 \@bidi@after@Hy@hyperfootnotes
12450 \m@make@mpthreecol@footgroup{v@r}%
12451 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12452 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12453 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12454 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12455 }
12456 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert
12457 \if@RTL@footnote
12458 \footinsv@r
12459 \else
12460 \footinsv@l
12461 \fi
12462 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12463 \def\baselinestretch{\m@mmf@footnote@spacing}%
12464 \reset@font\foottextfont
12465 \@preamfntext
12466 \protected@edef\@currentlabel{%
12467 \cename p@footnote\endcename\@thefnmark}%
12468 \color@begingroup
12469 \@threecolfootfmt{#1}%
12470 \color@endgroup}\m@mmf@prepare}
12471 \newcommand{\@ThreeColfootnotetext}[1]{%
12472 \bidi@step@absolutefootnote@count
12473 \if@RTL@footnote
12474 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12475 \else
12476 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12477 \fi
12478 \global\setbox
12479 \if@RTL@footnote
12480 \footinsv@r
12481 \else
12482 \footinsv@l
12483 \fi
12484 \vbox{%
12485 \unvbox
12486 \if@RTL@footnote
12487 \footinsv@r

```



```

12488 \else
12489   \footinsv@l
12490 \fi
12491 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12492 \def\baselinestretch{\m@m@footnote@spacing}%
12493 \reset@font\foottextfont
12494 \@preamfntext
12495 \protected@edef\@currentlabel{%
12496   \csname p@footnote\endcsname\@thefnmark}%
12497 \color@begingroup
12498   \@threecolfootfmt{#1}%
12499 \color@endgroup}\m@mmf@prepare
12500 \if@RTL@footnote
12501   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12502 \else
12503   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12504 \fi
12505 }
12506 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12507 \def\baselinestretch{\m@m@footnote@spacing}%
12508 \reset@font\LTRfoottextfont
12509 \@preamfntext
12510 \protected@edef\@currentlabel{%
12511   \csname p@footnote\endcsname\@thefnmark}%
12512 \color@begingroup
12513   \@threecolLTRfootfmt{#1}%
12514 \color@endgroup}\m@mmf@prepare}
12515 \newcommand{\@ThreeColLTRfootnotetext}[1]{%
12516 \bidi@step@absolute@footnote@count
12517 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12518 \global\setbox\footinsv@l\vbox{%
12519 \unvbox\footinsv@l
12520 \@RTLfalse
12521 \def\baselinestretch{\m@m@footnote@spacing}%
12522 \reset@font\LTRfoottextfont
12523 \@preamfntext
12524 \protected@edef\@currentlabel{%
12525   \csname p@footnote\endcsname\@thefnmark}%
12526 \color@begingroup
12527   \@threecolLTRfootfmt{#1}%
12528 \color@endgroup}\m@mmf@prepare
12529 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12530 }
12531 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12532 \def\baselinestretch{\m@m@footnote@spacing}%
12533 \reset@font\RTLfoottextfont
12534 \@preamfntext
12535 \protected@edef\@currentlabel{%
12536   \csname p@footnote\endcsname\@thefnmark}%
12537 \color@begingroup
12538   \@threecolRTLfootfmt{#1}%
12539 \color@endgroup}\m@mmf@prepare}
12540 \newcommand{\@ThreeColRTLfootnotetext}[1]{%
12541 \bidi@step@absolute@footnote@count

```



```

12542 \bidi@reinsertfootnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
12543 \global\setbox\footinsv@r\vbox{%
12544 \unvbox\footinsv@r
12545 \RTLtrue
12546 \def\baselinestretch{\m@m@footnote@spacing}%
12547 \reset@font\RTLfoottextfont
12548 \@preamftext
12549 \protected@edef\@currentlabel{%
12550 \csname p@footnote\endcsname\@thefnmark}%
12551 \color@begingroup
12552 \@threecolRTLfootfmt{#1}%
12553 \color@endgroup}\m@mmf@prepare
12554 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12555 }
12556 \bidi@ensure@newcommand{\@preamthreelfmt}{%
12557 \hspace .3\hspace
12558 \parindent=\z@
12559 \tolerance=5000\relax
12560 \leavevmode}
12561 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
12562 \@preamthreelfmt
12563 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12564 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
12565 \@preamthreelfmt
12566 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12567 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
12568 \@preamthreelfmt
12569 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12570 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
12571 \global\setbox
12572 \if@RTL@footnote
12573 \@mpfootinsv@r
12574 \else
12575 \@mpfootinsv@l
12576 \fi
12577 \vbox{%
12578 \unvbox
12579 \if@RTL@footnote
12580 \@mpfootinsv@r
12581 \else
12582 \@mpfootinsv@l
12583 \fi
12584 \if@RTL@footnote\RTLtrue\else\RTLfalse\fi
12585 \def\baselinestretch{\m@m@footnote@spacing}%
12586 \reset@font\foottextfont
12587 \hspace\columnwidth \@parboxrestore
12588 \protected@edef\@currentlabel{%
12589 \csname p@mpfootnote\endcsname\@thefnmark}%
12590 \color@begingroup
12591 \@threecolfootfmt{#1}%
12592 \color@endgroup}\m@mmf@prepare}
12593 \newcommand{\@mpThreeColfootnotetext}[1]{%
12594 \if@RTL@footnote
12595 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l

```



```

12596 \else
12597   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12598 \fi
12599 \global\setbox
12600   \if@RTL@footnote
12601   \@mpfootinsv@r
12602 \else
12603   \@mpfootinsv@l
12604 \fi
12605 \vbox{%
12606   \unvbox
12607   \if@RTL@footnote
12608   \@mpfootinsv@r
12609 \else
12610   \@mpfootinsv@l
12611 \fi
12612   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12613   \def\baselinestretch{\m@m@footnote@spacing}%
12614   \reset@font\foottextfont
12615   \hsize\columnwidth \@parboxrestore
12616   \protected@edef\@currentlabel{%
12617     \csname p@mpfootnote\endcsname\@thefnmark}%
12618   \color@begingroup
12619     \@threecolfootfmt{#1}%
12620   \color@endgroup}\m@mmf@prepare}
12621 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
12622   \global\setbox\@mpfootinsv@l\vbox{%
12623     \unvbox\@mpfootinsv@l
12624     \@RTLfalse
12625     \def\baselinestretch{\m@m@footnote@spacing}%
12626     \reset@font\LTRfoottextfont
12627     \hsize\columnwidth \@parboxrestore
12628     \protected@edef\@currentlabel{%
12629       \csname p@mpfootnote\endcsname\@thefnmark}%
12630     \color@begingroup
12631       \@threecolLTRfootfmt{#1}%
12632     \color@endgroup}\m@mmf@prepare}
12633 \newcommand{\@mpThreeColLTRfootnotetext}[1]{%
12634   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12635   \global\setbox\@mpfootinsv@l\vbox{%
12636     \unvbox\@mpfootinsv@l
12637     \@RTLfalse
12638     \def\baselinestretch{\m@m@footnote@spacing}%
12639     \reset@font\LTRfoottextfont
12640     \hsize\columnwidth \@parboxrestore
12641     \protected@edef\@currentlabel{%
12642       \csname p@mpfootnote\endcsname\@thefnmark}%
12643     \color@begingroup
12644       \@threecolLTRfootfmt{#1}%
12645     \color@endgroup}\m@mmf@prepare}
12646 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
12647   \global\setbox\@mpfootinsv@r\vbox{%
12648     \unvbox\@mpfootinsv@r
12649     \@RTLtrue

```



```

12650 \def\baselinestretch{\m@m@footnote@spacing}%
12651 \reset@font\RTLfoottextfont
12652 \hsize\columnwidth \@parboxrestore
12653 \protected@edef\@currentlabel{%
12654 \csname p@mpfootnote\endcsname\@thefnmark}%
12655 \color@begingroup
12656 \@threecolRTLfootfmt{#1}%
12657 \color@endgroup}\m@mmf@prepare}
12658 \newcommand{\@mpThreeColRTLfootnotetext}[1]{%
12659 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12660 \global\setbox\@mpfootinsv@r\vbox{%
12661 \unvbox\@mpfootinsv@r
12662 \@RTLtrue
12663 \def\baselinestretch{\m@m@footnote@spacing}%
12664 \reset@font\RTLfoottextfont
12665 \hsize\columnwidth \@parboxrestore
12666 \protected@edef\@currentlabel{%
12667 \csname p@mpfootnote\endcsname\@thefnmark}%
12668 \color@begingroup
12669 \@threecolRTLfootfmt{#1}%
12670 \color@endgroup}\m@mmf@prepare}
12671 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
12672 \@namedef{@threecol@footgroup#1}{%
12673 \def\baselinestretch{\m@m@footnote@spacing}%
12674 \hsize\columnwidth
12675 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12676 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
12677 \newcommand{\bidi@make@threecol@LTRfootgroup}[1]{%
12678 \@namedef{@threecol@LTRfootgroup#1}{%
12679 \def\baselinestretch{\m@m@footnote@spacing}%
12680 \hsize\columnwidth
12681 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12682 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
12683 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
12684 \@namedef{@mpthreecol@footgroup#1}{%
12685 \def\baselinestretch{\m@m@footnote@spacing}%
12686 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12687 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
12688 \newcommand{\bidi@make@mpthreecol@LTRfootgroup}[1]{%
12689 \@namedef{@mpthreecol@LTRfootgroup#1}{%
12690 \def\baselinestretch{\m@m@footnote@spacing}%
12691 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12692 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
12693 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
12694 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12695 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12696 \@bidi@before@Hy@hyperfootnotes
12697 \let\@footnotetext\@fourcolfootnotetext
12698 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
12699 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
12700 \dimen\footinsv@r=4\footinsdim
12701 \count\footinsv@r=250\relax
12702 \m@make@fourcol@footgroup{v@r}%
12703 \let\@footgroupv@r\@fourcol@footgroupv@r

```



```

12704 \dimen\footinsv@l=4\footinsdim
12705 \count\footinsv@l=250\relax
12706 \bidi@make@fourcol@LTRfootgroup{v@l}%
12707 \let@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12708 \let@mpfootnotetext\@mpfourcolfootnotetext
12709 \let@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
12710 \let@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
12711 \@bidi@after@Hy@hyperfootnotes
12712 \m@make@mpfourcol@footgroup{v@r}%
12713 \let@mp@footgroupv@r\@mpfourcol@footgroupv@r
12714 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12715 \let@mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12716 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12717 }
12718 \newcommand{\FourColumnFootnotes}{%
12719 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12720 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12721 \@bidi@before@Hy@hyperfootnotes
12722 \let@footnotetext\@FourColfootnotetext
12723 \let@LTRfootnotetext\@FourColLTRfootnotetext
12724 \let@RTLfootnotetext\@FourColRTLfootnotetext
12725 \dimen\footinsv@r=4\footinsdim
12726 \count\footinsv@r=250\relax
12727 \m@make@fourcol@footgroup{v@r}%
12728 \let@footgroupv@r\@fourcol@footgroupv@r
12729 \dimen\footinsv@l=4\footinsdim
12730 \count\footinsv@l=250\relax
12731 \bidi@make@fourcol@LTRfootgroup{v@l}%
12732 \let@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12733 \let@mpfootnotetext\@mpFourColfootnotetext
12734 \let@mpLTRfootnotetext\@mpFourColLTRfootnotetext
12735 \let@mpRTLfootnotetext\@mpFourColRTLfootnotetext
12736 \@bidi@after@Hy@hyperfootnotes
12737 \m@make@mpfourcol@footgroup{v@r}%
12738 \let@mp@footgroupv@r\@mpfourcol@footgroupv@r
12739 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12740 \let@mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12741 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12742 }
12743 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert
12744 \if@RTL@footnote
12745 \footinsv@r
12746 \else
12747 \footinsv@l
12748 \fi
12749 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12750 \def\baselinestretch{\m@m@footnote@spacing}%
12751 \reset@font\foottextfont
12752 \@preamfntext
12753 \protected@edef\@currentlabel{%
12754 \csname p@footnote\endcsname\@thefnmark}%
12755 \color@begingroup
12756 \@fourcolfootfmt{#1}%
12757 \color@endgroup}%

```



```

12758 \m@mmf@prepare}
12759 \newcommand{\@FourColfootnotetext}[1]{%
12760 \bidi@step@absolute@footnote@count
12761 \if@RTL@footnote
12762 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12763 \else
12764 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12765 \fi
12766 \global\setbox
12767 \if@RTL@footnote
12768 \footinsv@r
12769 \else
12770 \footinsv@l
12771 \fi
12772 \vbox{%
12773 \unvbox
12774 \if@RTL@footnote
12775 \footinsv@r
12776 \else
12777 \footinsv@l
12778 \fi
12779 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12780 \def\baselinestretch{\m@m@footnote@spacing}%
12781 \reset@font\foottextfont
12782 \@preamftext
12783 \protected@edef\@currentlabel{%
12784 \csname p@footnote\endcsname\@thefnmark}%
12785 \color@begingroup
12786 \@fourcolfootfmt{#1}%
12787 \color@endgroup}%
12788 \m@mmf@prepare
12789 \if@RTL@footnote
12790 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12791 \else
12792 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12793 \fi
12794 }
12795 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12796 \def\baselinestretch{\m@m@footnote@spacing}%
12797 \reset@font\LTRfoottextfont
12798 \@preamftext
12799 \protected@edef\@currentlabel{%
12800 \csname p@footnote\endcsname\@thefnmark}%
12801 \color@begingroup
12802 \@fourcolLTRfootfmt{#1}%
12803 \color@endgroup}%
12804 \m@mmf@prepare}
12805 \newcommand{\@FourColLTRfootnotetext}[1]{%
12806 \bidi@step@absolute@footnote@count
12807 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12808 \global\setbox\footinsv@l\vbox{%
12809 \unvbox\footinsv@l
12810 \@RTLfalse%
12811 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

12812 \reset@font\LTRfoottextfont
12813 \@preamfntext
12814 \protected@edef\@currentlabel{%
12815   \csname p@footnote\endcsname\@thefnmark}%
12816 \color@begingroup
12817   \@fourcolLTRfootfmt{#1}%
12818 \color@endgroup}%
12819 \m@mmf@prepare
12820 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12821 }
12822 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12823   \def\baselinestretch{\m@m@footnote@spacing}%
12824   \reset@font\RTLfoottextfont
12825   \@preamfntext
12826   \protected@edef\@currentlabel{%
12827     \csname p@footnote\endcsname\@thefnmark}%
12828   \color@begingroup
12829     \@fourcolRTLfootfmt{#1}%
12830   \color@endgroup}%
12831   \m@mmf@prepare}
12832 \newcommand{\@FourColRTLfootnotetext}[1]{%
12833   \bidi@step@absolutefootnote@count
12834   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12835   \global\setbox\footinsv@r\vbox{%
12836     \unvbox\footinsv@r
12837     \@RTLtrue
12838     \def\baselinestretch{\m@m@footnote@spacing}%
12839     \reset@font\RTLfoottextfont
12840     \@preamfntext
12841     \protected@edef\@currentlabel{%
12842       \csname p@footnote\endcsname\@thefnmark}%
12843     \color@begingroup
12844       \@fourcolRTLfootfmt{#1}%
12845     \color@endgroup}%
12846     \m@mmf@prepare
12847     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12848 }
12849 \bidi@ensure@newcommand{\@preamfourfmt}{%
12850   \hspace .25\hspace
12851   \parindent=\z@
12852   \tolerance=5000\relax
12853   \leavevmode}
12854 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
12855   \@preamfourfmt
12856   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12857 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
12858   \@preamfourfmt
12859   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12860 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
12861   \@preamfourfmt
12862   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12863 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
12864   \global\setbox
12865     \if@RTL@footnote

```




```

12866 \mpfootinsv@r
12867 \else
12868 \mpfootinsv@l
12869 \fi
12870 \vbox{%
12871 \unvbox
12872 \if@RTL@footnote
12873 \mpfootinsv@r
12874 \else
12875 \mpfootinsv@l
12876 \fi
12877 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12878 \def\baselinestretch{\m@m@footnote@spacing}%
12879 \reset@font\foottextfont
12880 \hsize\columnwidth \@parboxrestore
12881 \protected@edef\@currentlabel{%
12882 \csname p@mpfootnote\endcsname\@thefnmark}%
12883 \color@begingroup
12884 \@fourcolfootfmt{#1}%
12885 \color@endgroup}%
12886 \m@mmf@prepare}
12887 \newcommand{\mpFourColfootnotetext}[1]{%
12888 \if@RTL@footnote
12889 \bidi@joinmpfootnotes\mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12890 \else
12891 \bidi@joinmpfootnotes\mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12892 \fi
12893 \global\setbox
12894 \if@RTL@footnote
12895 \mpfootinsv@r
12896 \else
12897 \mpfootinsv@l
12898 \fi
12899 \vbox{%
12900 \unvbox
12901 \if@RTL@footnote
12902 \mpfootinsv@r
12903 \else
12904 \mpfootinsv@l
12905 \fi
12906 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12907 \def\baselinestretch{\m@m@footnote@spacing}%
12908 \reset@font\foottextfont
12909 \hsize\columnwidth \@parboxrestore
12910 \protected@edef\@currentlabel{%
12911 \csname p@mpfootnote\endcsname\@thefnmark}%
12912 \color@begingroup
12913 \@fourcolfootfmt{#1}%
12914 \color@endgroup}%
12915 \m@mmf@prepare}
12916 \bidi@ensure@newcommand{\mpfourcolLTRfootnotetext}[1]{%
12917 \global\setbox\mpfootinsv@l\vbox{%
12918 \unvbox\mpfootinsv@l
12919 \@RTLfalse

```



```

12920 \def\baselinestretch{\m@m@footnote@spacing}%
12921 \reset@font\LTRfoottextfont
12922 \hsize\columnwidth \@parboxrestore
12923 \protected@edef\@currentlabel{%
12924 \csname p@mpfootnote\endcsname\@thefnmark}%
12925 \color@begingroup
12926 \@fourcolLTRfootfmt{#1}%
12927 \color@endgroup}%
12928 \m@mmf@prepare}
12929 \newcommand{\@mpFourColLTRfootnotetext}[1]{%
12930 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12931 \global\setbox\@mpfootinsv@l\vbox{%
12932 \unvbox\@mpfootinsv@l
12933 \RTLfalse
12934 \def\baselinestretch{\m@m@footnote@spacing}%
12935 \reset@font\LTRfoottextfont
12936 \hsize\columnwidth \@parboxrestore
12937 \protected@edef\@currentlabel{%
12938 \csname p@mpfootnote\endcsname\@thefnmark}%
12939 \color@begingroup
12940 \@fourcolLTRfootfmt{#1}%
12941 \color@endgroup}%
12942 \m@mmf@prepare}
12943 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
12944 \global\setbox\@mpfootinsv@r\vbox{%
12945 \unvbox\@mpfootinsv@r
12946 \RTLtrue
12947 \def\baselinestretch{\m@m@footnote@spacing}%
12948 \reset@font\RTLfoottextfont
12949 \hsize\columnwidth \@parboxrestore
12950 \protected@edef\@currentlabel{%
12951 \csname p@mpfootnote\endcsname\@thefnmark}%
12952 \color@begingroup
12953 \@fourcolRTLfootfmt{#1}%
12954 \color@endgroup}%
12955 \m@mmf@prepare}
12956 \newcommand{\@mpFourColRTLfootnotetext}[1]{%
12957 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12958 \global\setbox\@mpfootinsv@r\vbox{%
12959 \unvbox\@mpfootinsv@r
12960 \RTLtrue
12961 \def\baselinestretch{\m@m@footnote@spacing}%
12962 \reset@font\RTLfoottextfont
12963 \hsize\columnwidth \@parboxrestore
12964 \protected@edef\@currentlabel{%
12965 \csname p@mpfootnote\endcsname\@thefnmark}%
12966 \color@begingroup
12967 \@fourcolRTLfootfmt{#1}%
12968 \color@endgroup}%
12969 \m@mmf@prepare}
12970 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
12971 \@namedef{\@fourcol@footgroup#1}{%
12972 \def\baselinestretch{\m@m@footnote@spacing}%
12973 \hsize\bidi@columnwidth

```



```

12974 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12975 \m@r rigidbalance{\nameuse{footins#1}}{4}{\splittopskip}}}}
12976 \newcommand{\bidi@make@fourcol@LTRfootgroup}[1]{%
12977 \namedef{@fourcol@LTRfootgroup#1}{%
12978 \def\baselinestretch{\m@f@footnote@spacing}%
12979 \hsize\bidi@columnwidth
12980 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12981 \bidi@LTRrigidbalance{\nameuse{footins#1}}{4}{\splittopskip}}}}
12982 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
12983 \namedef{@mpfourcol@footgroup#1}{%
12984 \def\baselinestretch{\m@f@footnote@spacing}%
12985 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12986 \m@r rigidbalance{\nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
12987 \newcommand{\bidi@make@mpfourcol@LTRfootgroup}[1]{%
12988 \namedef{@mpfourcol@LTRfootgroup#1}{%
12989 \def\baselinestretch{\m@f@footnote@spacing}%
12990 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12991 \bidi@LTRrigidbalance{\nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
12992 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
12993 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
12994 \namedef{foottextfontv@l}{\LTRfoottextfont}%
12995 \@bidi@before@Hy@hyperfootnotes
12996 \let\@footnotetext\@fivecolfootnotetext
12997 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
12998 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
12999 \dimen\footinsv@r=5\footinsdim
13000 \count\footinsv@r=200\relax
13001 \m@make@fivecol@footgroup{v@r}%
13002 \let\@footgroupv@r\@fivecol@footgroupv@r
13003 \dimen\footinsv@l=5\footinsdim
13004 \count\footinsv@l=200\relax
13005 \bidi@make@fivecol@LTRfootgroup{v@l}%
13006 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13007 \let\@mpfootnotetext\@mpfivecolfootnotetext
13008 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
13009 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
13010 \@bidi@after@Hy@hyperfootnotes
13011 \m@make@mpfivecol@footgroup{v@r}%
13012 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
13013 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13014 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13015 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13016 }
13017 \newcommand{\FiveColumnFootnotes}{%
13018 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
13019 \namedef{foottextfontv@l}{\LTRfoottextfont}%
13020 \@bidi@before@Hy@hyperfootnotes
13021 \let\@footnotetext\@FiveColfootnotetext
13022 \let\@LTRfootnotetext\@FiveColLTRfootnotetext
13023 \let\@RTLfootnotetext\@FiveColRTLfootnotetext
13024 \dimen\footinsv@r=5\footinsdim
13025 \count\footinsv@r=200\relax
13026 \m@make@fivecol@footgroup{v@r}%
13027 \let\@footgroupv@r\@fivecol@footgroupv@r

```



```

13028 \dimen\footinsv@l=5\footinsdim
13029 \count\footinsv@l=200\relax
13030 \bidi@make@fivecol@LTRfootgroup{v@l}%
13031 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13032 \let\@mpfootnotetext\@mpFiveColfootnotetext
13033 \let\@mpLTRfootnotetext\@mpFiveColLTRfootnotetext
13034 \let\@mpRTLfootnotetext\@mpFiveColRTLfootnotetext
13035 \@bidi@after@Hy@hyperfootnotes
13036 \m@make@mpfivecol@footgroup{v@r}%
13037 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
13038 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13039 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13040 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13041 }
13042 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert
13043   \if@RTL@footnote
13044     \footinsv@r
13045   \else
13046     \footinsv@l
13047   \fi
13048 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13049 \def\baselinestretch{\m@footnote@spacing}%
13050 \reset@font\foottextfont
13051 \@preamfntext
13052 \protected@edef\@currentlabel{%
13053   \csname p@footnote\endcsname\@thefnmark}%
13054 \color@begingroup
13055   \@fivecolfootfmt{#1}%
13056 \color@endgroup}%
13057 \m@mmf@prepare}
13058 \newcommand{\@FiveColfootnotetext}[1]{%
13059 \bidi@step@absolute@footnote@count
13060 \if@RTL@footnote
13061   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13062 \else
13063   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13064 \fi
13065 \global\setbox
13066 \if@RTL@footnote
13067   \footinsv@r
13068 \else
13069   \footinsv@l
13070 \fi
13071 \vbox{%
13072   \unvbox
13073   \if@RTL@footnote
13074     \footinsv@r
13075   \else
13076     \footinsv@l
13077   \fi
13078   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13079   \def\baselinestretch{\m@footnote@spacing}%
13080   \reset@font\foottextfont
13081   \@preamfntext

```



```

13082 \protected@edef\@currentlabel{%
13083   \csname p@footnote\endcsname\@thefnmark}%
13084 \color@begingroup
13085   \@fivecolfootfmt{#1}%
13086 \color@endgroup}%
13087 \m@mmf@prepare
13088 \if@RTL@footnote
13089   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13090 \else
13091   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13092 \fi
13093 }
13094 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13095 \def\baselinestretch{\m@mm@footnote@spacing}%
13096 \reset@font\LTRfoottextfont
13097 \@preamfntext
13098 \protected@edef\@currentlabel{%
13099   \csname p@footnote\endcsname\@thefnmark}%
13100 \color@begingroup
13101   \@fivecolLTRfootfmt{#1}%
13102 \color@endgroup}%
13103 \m@mmf@prepare}
13104 \newcommand{\@FiveColLTRfootnotetext}[1]{%
13105 \bidi@step@absolute@footnote@count
13106 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13107 \global\setbox\footinsv@l\vbox{%
13108 \unvbox\footinsv@l
13109 \@RTLfalse
13110 \def\baselinestretch{\m@mm@footnote@spacing}%
13111 \reset@font\LTRfoottextfont
13112 \@preamfntext
13113 \protected@edef\@currentlabel{%
13114   \csname p@footnote\endcsname\@thefnmark}%
13115 \color@begingroup
13116   \@fivecolLTRfootfmt{#1}%
13117 \color@endgroup}%
13118 \m@mmf@prepare
13119 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13120 }
13121 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13122 \def\baselinestretch{\m@mm@footnote@spacing}%
13123 \reset@font\RTLfoottextfont
13124 \@preamfntext
13125 \protected@edef\@currentlabel{%
13126   \csname p@footnote\endcsname\@thefnmark}%
13127 \color@begingroup
13128   \@fivecolRTLfootfmt{#1}%
13129 \color@endgroup}%
13130 \m@mmf@prepare}
13131 \newcommand{\@FiveColRTLfootnotetext}[1]{%
13132 \bidi@step@absolute@footnote@count
13133 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13134 \global\setbox\footinsv@r\vbox{%
13135 \unvbox\footinsv@r

```



```

13136 \@RTLtrue
13137 \def\baselinestretch{\m@m@footnote@spacing}%
13138 \reset@font\RTLfoottextfont
13139 \@preamfntext
13140 \protected@edef\@currentlabel{%
13141   \csname p@footnote\endcsname\@thefnmark}%
13142 \color@begingroup
13143   \@fivecolRTLfootfmt{#1}%
13144 \color@endgroup}%
13145 \m@mmf@prepare
13146 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13147 }
13148 \bidi@ensure@newcommand{\@preamfivefmt}{%
13149   \hspace .2\hspace
13150   \parindent=\z@
13151   \tolerance=5000\relax
13152   \leavevmode}
13153 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
13154   \@preamfivefmt
13155   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13156 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
13157   \@preamfivefmt
13158   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13159 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
13160   \@preamfivefmt
13161   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13162 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
13163   \global\setbox
13164     \if@RTL@footnote
13165     \@mpfootinsv@r
13166   \else
13167     \@mpfootinsv@l
13168   \fi
13169   \vbox{%
13170     \unvbox
13171     \if@RTL@footnote
13172     \@mpfootinsv@r
13173   \else
13174     \@mpfootinsv@l
13175   \fi
13176   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13177   \def\baselinestretch{\m@m@footnote@spacing}%
13178   \reset@font\foottextfont
13179   \hspace\columnwidth \@parboxrestore
13180   \protected@edef\@currentlabel{%
13181     \csname p@mpfootnote\endcsname\@thefnmark}%
13182   \color@begingroup
13183     \@fivecolfootfmt{#1}%
13184   \color@endgroup}%
13185   \m@mmf@prepare}
13186 \newcommand{\@mpFiveColfootnotetext}[1]{%
13187   \if@RTL@footnote
13188     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13189   \else

```



```

13190 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13191 \fi
13192 \global\setbox
13193 \if@RTL@footnote
13194 \@mpfootinsv@r
13195 \else
13196 \@mpfootinsv@l
13197 \fi
13198 \vbox{%
13199 \unvbox
13200 \if@RTL@footnote
13201 \@mpfootinsv@r
13202 \else
13203 \@mpfootinsv@l
13204 \fi
13205 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13206 \def\baselinestretch{\m@m@footnote@spacing}%
13207 \reset@font\foottextfont
13208 \hsize\columnwidth \@parboxrestore
13209 \protected@edef\@currentlabel{%
13210 \csname p@mpfootnote\endcsname\@thefnmark}%
13211 \color@begingroup
13212 \@fivecolfootfmt{#1}%
13213 \color@endgroup}%
13214 \m@mmf@prepare}
13215 \bidi@ensure@newcommand{\@mpfivecollTRfootnotetext}[1]{%
13216 \global\setbox\@mpfootinsv@l\vbox{%
13217 \unvbox\@mpfootinsv@l
13218 \@RTLfalse
13219 \def\baselinestretch{\m@m@footnote@spacing}%
13220 \reset@font\LTRfoottextfont
13221 \hsize\columnwidth \@parboxrestore
13222 \protected@edef\@currentlabel{%
13223 \csname p@mpfootnote\endcsname\@thefnmark}%
13224 \color@begingroup
13225 \@fivecollTRfootfmt{#1}%
13226 \color@endgroup}%
13227 \m@mmf@prepare}
13228 \newcommand{\@mpFiveCollTRfootnotetext}[1]{%
13229 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13230 \global\setbox\@mpfootinsv@l\vbox{%
13231 \unvbox\@mpfootinsv@l
13232 \@RTLfalse
13233 \def\baselinestretch{\m@m@footnote@spacing}%
13234 \reset@font\LTRfoottextfont
13235 \hsize\columnwidth \@parboxrestore
13236 \protected@edef\@currentlabel{%
13237 \csname p@mpfootnote\endcsname\@thefnmark}%
13238 \color@begingroup
13239 \@fivecollTRfootfmt{#1}%
13240 \color@endgroup}%
13241 \m@mmf@prepare}
13242 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
13243 \global\setbox\@mpfootinsv@r\vbox{%

```



```

13244 \unvbox\@mpfootinsv@r
13245 \RTLtrue
13246 \def\baselinestretch{\m@m@footnote@spacing}%
13247 \reset@font\RTLfoottextfont
13248 \hsize\columnwidth \@parboxrestore
13249 \protected@edef\@currentlabel{%
13250 \csname p@mpfootnote\endcsname\@thefnmark}%
13251 \color@begingroup
13252 \@fivecolRTLfootfmt{#1}%
13253 \color@endgroup}%
13254 \m@m@prepare}
13255 \newcommand{\@mpFiveColRTLfootnotetext}[1]{%
13256 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13257 \global\setbox\@mpfootinsv@r\vbox{%
13258 \unvbox\@mpfootinsv@r
13259 \RTLtrue
13260 \def\baselinestretch{\m@m@footnote@spacing}%
13261 \reset@font\RTLfoottextfont
13262 \hsize\columnwidth \@parboxrestore
13263 \protected@edef\@currentlabel{%
13264 \csname p@mpfootnote\endcsname\@thefnmark}%
13265 \color@begingroup
13266 \@fivecolRTLfootfmt{#1}%
13267 \color@endgroup}%
13268 \m@m@prepare}
13269 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
13270 \@namedef{@fivecol@footgroup#1}{%
13271 \def\baselinestretch{\m@m@footnote@spacing}%
13272 \hsize\bidi@columnwidth
13273 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13274 \m@r@rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
13275 \newcommand{\bidi@make@fivecol@LTRfootgroup}[1]{%
13276 \@namedef{@fivecol@LTRfootgroup#1}{%
13277 \def\baselinestretch{\m@m@footnote@spacing}%
13278 \hsize\bidi@columnwidth
13279 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13280 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
13281 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
13282 \@namedef{@mpfivecol@footgroup#1}{%
13283 \def\baselinestretch{\m@m@footnote@spacing}%
13284 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13285 \m@r@rigidbalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
13286 \newcommand{\bidi@make@mpfivecol@LTRfootgroup}[1]{%
13287 \@namedef{@mpfivecol@LTRfootgroup#1}{%
13288 \def\baselinestretch{\m@m@footnote@spacing}%
13289 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13290 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
13291 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
13292 \@namedef{foottextfontv@r}{\foottextfont}% \ [RS]
13293 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13294 \@bidi@before@Hy@hyperfootnotes
13295 \let\@footnotetext\@sixcolfootnotetext
13296 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
13297 \let\@RTLfootnotetext\@sixcolRTLfootnotetext

```




```

13298 \dimen\footinsv@r=6\footinsdim
13299 \count\footinsv@r=166\relax
13300 \m@make@sixcol@footgroup{v@r}%
13301 \let\@footgroupv@r\@sixcol@footgroupv@r
13302 \dimen\footinsv@l=6\footinsdim
13303 \count\footinsv@l=166\relax
13304 \bidi@make@sixcol@LTRfootgroup{v@l}%
13305 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13306 \let\@mpfootnotetext\@mpsixcolfootnotetext
13307 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
13308 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
13309 \@bidi@after@Hy@hyperfootnotes
13310 \m@make@mpsixcol@footgroup{v@r}%
13311 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13312 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13313 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13314 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13315 }
13316 \newcommand{\SixColumnFootnotes}{-%
13317 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13318 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13319 \@bidi@before@Hy@hyperfootnotes
13320 \let\@footnotetext\@SixColfootnotetext
13321 \let\@LTRfootnotetext\@SixColLTRfootnotetext
13322 \let\@RTLfootnotetext\@SixColRTLfootnotetext
13323 \dimen\footinsv@r=6\footinsdim
13324 \count\footinsv@r=166\relax
13325 \m@make@sixcol@footgroup{v@r}%
13326 \let\@footgroupv@r\@sixcol@footgroupv@r
13327 \dimen\footinsv@l=6\footinsdim
13328 \count\footinsv@l=166\relax
13329 \bidi@make@sixcol@LTRfootgroup{v@l}%
13330 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13331 \let\@mpfootnotetext\@mpSixColfootnotetext
13332 \let\@mpLTRfootnotetext\@mpSixColLTRfootnotetext
13333 \let\@mpRTLfootnotetext\@mpSixColRTLfootnotetext
13334 \@bidi@after@Hy@hyperfootnotes
13335 \m@make@mpsixcol@footgroup{v@r}%
13336 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13337 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13338 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13339 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13340 }
13341 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert
13342 \if@RTL@footnote
13343 \footinsv@r
13344 \else
13345 \footinsv@l
13346 \fi
13347 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13348 \def\baselinestretch{\m@f@footnote@spacing}%
13349 \reset@font\foottextfont
13350 \@preamfntext
13351 \protected@edef\@currentlabel{%

```



```

13352 \csname p@footnote\endcsname\@thefnmark}%
13353 \color@begingroup
13354 \@sixcolfootfmt{#1}%
13355 \color@endgroup}%
13356 \m@mmf@prepare}
13357 \newcommand{\@SixColfootnotetext}[1]{%
13358 \bidi@step@absolute@footnote@count
13359 \if@RTL@footnote
13360 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13361 \else
13362 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13363 \fi
13364 \global\setbox
13365 \if@RTL@footnote
13366 \footinsv@r
13367 \else
13368 \footinsv@l
13369 \fi
13370 \vbox{%
13371 \unvbox
13372 \if@RTL@footnote
13373 \footinsv@r
13374 \else
13375 \footinsv@l
13376 \fi
13377 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13378 \def\baselinestretch{\m@mm@footnote@spacing}%
13379 \reset@font\foottextfont
13380 \@preamfntext
13381 \protected@edef\@currentlabel{%
13382 \csname p@footnote\endcsname\@thefnmark}%
13383 \color@begingroup
13384 \@sixcolfootfmt{#1}%
13385 \color@endgroup}%
13386 \m@mmf@prepare
13387 \if@RTL@footnote
13388 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13389 \else
13390 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13391 \fi
13392 }
13393 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13394 \def\baselinestretch{\m@mm@footnote@spacing}%
13395 \reset@font\LTRfoottextfont
13396 \@preamfntext
13397 \protected@edef\@currentlabel{%
13398 \csname p@footnote\endcsname\@thefnmark}%
13399 \color@begingroup
13400 \@sixcolLTRfootfmt{#1}%
13401 \color@endgroup}%
13402 \m@mmf@prepare}
13403 \newcommand{\@SixColLTRfootnotetext}[1]{%
13404 \bidi@step@absolute@footnote@count
13405 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r

```



```

13406 \global\setbox\footinsv@l\vbox{%
13407 \unvbox\footinsv@l
13408 \RTLfalse
13409 \def\baselinestretch{\m@m@footnote@spacing}%
13410 \reset@font\LTRfoottextfont
13411 \@preamfntext
13412 \protected@edef\@currentlabel{%
13413   \csname p@footnote\endcsname\@thefnmark}%
13414 \color@begingroup
13415   \@sixcolLTRfootfmt{#1}%
13416 \color@endgroup}%
13417 \m@mmf@prepare
13418 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13419 }
13420 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13421 \def\baselinestretch{\m@m@footnote@spacing}%
13422 \reset@font\RTLfoottextfont
13423 \@preamfntext
13424 \protected@edef\@currentlabel{%
13425   \csname p@footnote\endcsname\@thefnmark}%
13426 \color@begingroup
13427   \@sixcolRTLfootfmt{#1}%
13428 \color@endgroup}%
13429 \m@mmf@prepare}
13430 \newcommand{\@SixColRTLfootnotetext}[1]{%
13431 \bidi@step@absolute@footnote@count
13432 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13433 \global\setbox\footinsv@r\vbox{%
13434 \unvbox\footinsv@r
13435 \@RTLtrue
13436 \def\baselinestretch{\m@m@footnote@spacing}%
13437 \reset@font\RTLfoottextfont
13438 \@preamfntext
13439 \protected@edef\@currentlabel{%
13440   \csname p@footnote\endcsname\@thefnmark}%
13441 \color@begingroup
13442   \@sixcolRTLfootfmt{#1}%
13443 \color@endgroup}%
13444 \m@mmf@prepare
13445 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13446 }
13447 \bidi@ensure@newcommand{\@preamsixfmt}{%
13448 \hsize .16\hsize
13449 \parindent=\z@
13450 \tolerance=5000\relax
13451 \leavevmode}
13452 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
13453 \@preamsixfmt
13454 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13455 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
13456 \@preamsixfmt
13457 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13458 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
13459 \@preamsixfmt

```



```

13460 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13461 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{%
13462   \global\setbox
13463     \if@RTL@footnote
13464     \@mpfootinsv@r
13465   \else
13466     \@mpfootinsv@l
13467   \fi
13468   \vbox{%
13469     \unvbox
13470     \if@RTL@footnote
13471     \@mpfootinsv@r
13472   \else
13473     \@mpfootinsv@l
13474   \fi
13475   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13476   \def\baselinestretch{\m@m@footnote@spacing}%
13477   \reset@font\foottextfont
13478   \hsize\columnwidth \@parboxrestore
13479   \protected@edef\@currentlabel{%
13480     \csname p@mpfootnote\endcsname\@thefnmark}%
13481   \color@begingroup
13482     \@sixcolfootfmt{#1}%
13483   \color@endgroup}%
13484   \m@mmf@prepare}
13485 \newcommand{\@mpSixColfootnotetext}[1]{%
13486   \if@RTL@footnote
13487     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13488   \else
13489     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13490   \fi
13491   \global\setbox
13492     \if@RTL@footnote
13493     \@mpfootinsv@r
13494   \else
13495     \@mpfootinsv@l
13496   \fi
13497   \vbox{%
13498     \unvbox
13499     \if@RTL@footnote
13500     \@mpfootinsv@r
13501   \else
13502     \@mpfootinsv@l
13503   \fi
13504   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13505   \def\baselinestretch{\m@m@footnote@spacing}%
13506   \reset@font\foottextfont
13507   \hsize\columnwidth \@parboxrestore
13508   \protected@edef\@currentlabel{%
13509     \csname p@mpfootnote\endcsname\@thefnmark}%
13510   \color@begingroup
13511     \@sixcolfootfmt{#1}%
13512   \color@endgroup}%
13513   \m@mmf@prepare}

```



```

13514 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{%
13515   \global\setbox\@mpfootinsv@l\vbox{%
13516     \unvbox\@mpfootinsv@l
13517     \@RTLfalse
13518     \def\baselinestretch{\m@m@footnote@spacing}%
13519     \reset@font\LTRfoottextfont
13520     \hsize\columnwidth \@parboxrestore
13521     \protected@edef\@currentlabel{%
13522       \csname p@mpfootnote\endcsname\@thefnmark}%
13523   \color@begingroup
13524     \@sixcolLTRfootfmt{#1}%
13525   \color@endgroup}%
13526   \m@mmf@prepare}
13527 \newcommand{\@mpSixCollTRfootnotetext}[1]{%
13528   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13529   \global\setbox\@mpfootinsv@l\vbox{%
13530     \unvbox\@mpfootinsv@l
13531     \@RTLfalse
13532     \def\baselinestretch{\m@m@footnote@spacing}%
13533     \reset@font\LTRfoottextfont
13534     \hsize\columnwidth \@parboxrestore
13535     \protected@edef\@currentlabel{%
13536       \csname p@mpfootnote\endcsname\@thefnmark}%
13537   \color@begingroup
13538     \@sixcolLTRfootfmt{#1}%
13539   \color@endgroup}%
13540   \m@mmf@prepare}
13541 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{%
13542   \global\setbox\@mpfootinsv@r\vbox{%
13543     \unvbox\@mpfootinsv@r
13544     \@RTLtrue
13545     \def\baselinestretch{\m@m@footnote@spacing}%
13546     \reset@font\RTLfoottextfont
13547     \hsize\columnwidth \@parboxrestore
13548     \protected@edef\@currentlabel{%
13549       \csname p@mpfootnote\endcsname\@thefnmark}%
13550   \color@begingroup
13551     \@sixcolRTLfootfmt{#1}%
13552   \color@endgroup}%
13553   \m@mmf@prepare}
13554 \newcommand{\@mpSixColRTLfootnotetext}[1]{%
13555   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13556   \global\setbox\@mpfootinsv@r\vbox{%
13557     \unvbox\@mpfootinsv@r
13558     \@RTLtrue
13559     \def\baselinestretch{\m@m@footnote@spacing}%
13560     \reset@font\RTLfoottextfont
13561     \hsize\columnwidth \@parboxrestore
13562     \protected@edef\@currentlabel{%
13563       \csname p@mpfootnote\endcsname\@thefnmark}%
13564   \color@begingroup
13565     \@sixcolRTLfootfmt{#1}%
13566   \color@endgroup}%
13567   \m@mmf@prepare}

```



```

13568 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
13569 \@namedef{@sixcol@footgroup#1}{%
13570 \def\baselinestretch{\m@m@footnote@spacing}%
13571 \hsize\bidi@columnwidth
13572 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13573 \m@rigrigidbodybalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
13574 \newcommand{\bidi@make@sixcol@LTRfootgroup}[1]{%
13575 \@namedef{@sixcol@LTRfootgroup#1}{%
13576 \def\baselinestretch{\m@m@footnote@spacing}%
13577 \hsize\bidi@columnwidth
13578 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13579 \bidi@LTRrigrigidbodybalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
13580 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
13581 \@namedef{@mpsixcol@footgroup#1}{%
13582 \def\baselinestretch{\m@m@footnote@spacing}%
13583 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13584 \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}}}
13585 \newcommand{\bidi@make@mpsixcol@LTRfootgroup}[1]{%
13586 \@namedef{@mpsixcol@LTRfootgroup#1}{%
13587 \def\baselinestretch{\m@m@footnote@spacing}%
13588 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13589 \bidi@LTRrigrigidbodybalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}}}
13590 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
13591 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13592 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13593 \@bidi@before@Hy@hyperfootnotes
13594 \let\@footnotetext\@sevendcolfootnotetext
13595 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
13596 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
13597 \dimen\footinsv@r=7\footinsdim
13598 \count\footinsv@r=142\relax
13599 \m@make@sevendcol@footgroup{v@r}%
13600 \let\@footgroupv@r\@sevendcol@footgroupv@r
13601 \dimen\footinsv@l=7\footinsdim
13602 \count\footinsv@l=142\relax
13603 \bidi@make@sevendcol@LTRfootgroup{v@l}%
13604 \let\@LTRfootgroupv@l\@sevendcol@LTRfootgroupv@l
13605 \let\@mpfootnotetext\@mpsevendcolfootnotetext
13606 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
13607 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
13608 \@bidi@after@Hy@hyperfootnotes
13609 \m@make@mpsevendcol@footgroup{v@r}%
13610 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
13611 \bidi@make@mpsevendcol@LTRfootgroup{v@l}%
13612 \let\mp@LTRfootgroupv@l\@mpsevendcol@LTRfootgroupv@l
13613 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13614 }
13615 \newcommand{\SevenColumnFootnotes}{%
13616 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13617 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13618 \@bidi@before@Hy@hyperfootnotes
13619 \let\@footnotetext\@SevenColfootnotetext
13620 \let\@LTRfootnotetext\@SevenColLTRfootnotetext
13621 \let\@RTLfootnotetext\@SevenColRTLfootnotetext

```



```

13622 \dimen\footinsv@r=7\footinsdim
13623 \count\footinsv@r=142\relax
13624 \m@make@sevenscol@footgroup{v@r}%
13625 \let\@footgroupv@r\@sevenscol@footgroupv@r
13626 \dimen\footinsv@l=7\footinsdim
13627 \count\footinsv@l=142\relax
13628 \bidi@make@sevenscol@LTRfootgroup{v@l}%
13629 \let\@LTRfootgroupv@l\@sevenscol@LTRfootgroupv@l
13630 \let\@mpfootnotetext\@mpSevenColfootnotetext
13631 \let\@mpLTRfootnotetext\@mpSevenColLTRfootnotetext
13632 \let\@mpRTLfootnotetext\@mpSevenColRTLfootnotetext
13633 \@bidi@after@Hy@hyperfootnotes
13634 \m@make@mpsevenscol@footgroup{v@r}%
13635 \let\mp@footgroupv@r\@mpsevenscol@footgroupv@r
13636 \bidi@make@mpsevenscol@LTRfootgroup{v@l}%
13637 \let\mp@LTRfootgroupv@l\@mpsevenscol@LTRfootgroupv@l
13638 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13639 }
13640 \bidi@ensure@newcommand{\@sevenscolfootnotetext}[1]{\insert
13641 \if@RTL@footnote
13642 \footinsv@r
13643 \else
13644 \footinsv@l
13645 \fi
13646 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13647 \def\baselinestretch{\m@m@footnote@spacing}%
13648 \reset@font\foottextfont
13649 \@preamfntext
13650 \protected@edef\@currentlabel{%
13651 \csname p@footnote\endcsname\@thefnmark}%
13652 \color@begingroup
13653 \@sevenscolfootfmt{#1}%
13654 \color@endgroup}%
13655 \m@mmf@prepare}
13656 \newcommand{\@SevenColfootnotetext}[1]{%
13657 \bidi@step@absolute@footnote@count
13658 \if@RTL@footnote
13659 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13660 \else
13661 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13662 \fi
13663 \global\setbox
13664 \if@RTL@footnote
13665 \footinsv@r
13666 \else
13667 \footinsv@l
13668 \fi
13669 \vbox{%
13670 \unvbox
13671 \if@RTL@footnote
13672 \footinsv@r
13673 \else
13674 \footinsv@l
13675 \fi

```



```

13676 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13677 \def\baselinestretch{\m@m@footnote@spacing}%
13678 \reset@font\foottextfont
13679 \@preamfntext
13680 \protected@edef\@currentlabel{%
13681   \csname p@footnote\endcsname\@thefnmark}%
13682 \color@begingroup
13683   \@sevenscolfootfmt{#1}%
13684 \color@endgroup}%
13685 \m@mmf@prepare
13686 \if@RTL@footnote
13687   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13688 \else
13689   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13690 \fi
13691 }
13692 \bidi@ensure@newcommand{\@sevenscolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13693 \def\baselinestretch{\m@m@footnote@spacing}%
13694 \reset@font\LTRfoottextfont
13695 \@preamfntext
13696 \protected@edef\@currentlabel{%
13697   \csname p@footnote\endcsname\@thefnmark}%
13698 \color@begingroup
13699   \@sevenscolLTRfootfmt{#1}%
13700 \color@endgroup}%
13701 \m@mmf@prepare}
13702 \newcommand{\@SevenColLTRfootnotetext}[1]{%
13703 \bidi@step@absolute@footnote@count
13704 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13705 \global\setbox\footinsv@l\vbox{%
13706 \unvbox\footinsv@l
13707 \@RTLfalse
13708 \def\baselinestretch{\m@m@footnote@spacing}%
13709 \reset@font\LTRfoottextfont
13710 \@preamfntext
13711 \protected@edef\@currentlabel{%
13712   \csname p@footnote\endcsname\@thefnmark}%
13713 \color@begingroup
13714   \@sevenscolLTRfootfmt{#1}%
13715 \color@endgroup}%
13716 \m@mmf@prepare
13717 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13718 }
13719 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13720 \def\baselinestretch{\m@m@footnote@spacing}%
13721 \reset@font\RTLfoottextfont
13722 \@preamfntext
13723 \protected@edef\@currentlabel{%
13724   \csname p@footnote\endcsname\@thefnmark}%
13725 \color@begingroup
13726   \@sevenscolRTLfootfmt{#1}%
13727 \color@endgroup}%
13728 \m@mmf@prepare}
13729 \newcommand{\@SevenColRTLfootnotetext}[1]{%

```




```

13730 \bidi@step@absolutefootnote@count
13731 \bidi@reinsertfootnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
13732 \global\setbox\footinsv@r\vbox{%
13733 \unvbox\footinsv@r
13734 \@RTLtrue
13735 \def\baselinestretch{\m@m@footnote@spacing}%
13736 \reset@font\RTLfoottextfont
13737 \@preamfntext
13738 \protected@edef\@currentlabel{%
13739 \csname p@footnote\endcsname\@thefnmark}%
13740 \color@begingroup
13741 \@sevenscolRTLfootfmt{#1}%
13742 \color@endgroup}%
13743 \m@mmf@prepare
13744 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13745 }
13746 \bidi@ensure@newcommand{\@preamsevenfmt}{%
13747 \hspace .142\hspace
13748 \parindent=\z@
13749 \tolerance=5000\relax
13750 \leavevmode}
13751 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
13752 \@preamsevenfmt
13753 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13754 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
13755 \@preamsevenfmt
13756 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13757 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
13758 \@preamsevenfmt
13759 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13760 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{%
13761 \global\setbox
13762 \if@RTL@footnote
13763 \@mpfootinsv@r
13764 \else
13765 \@mpfootinsv@l
13766 \fi
13767 \vbox{%
13768 \unvbox
13769 \if@RTL@footnote
13770 \@mpfootinsv@r
13771 \else
13772 \@mpfootinsv@l
13773 \fi
13774 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13775 \def\baselinestretch{\m@m@footnote@spacing}%
13776 \reset@font\foottextfont
13777 \hspace\columnwidth \@parboxrestore
13778 \protected@edef\@currentlabel{%
13779 \csname p@mpfootnote\endcsname\@thefnmark}%
13780 \color@begingroup
13781 \@sevenscolfootfmt{#1}%
13782 \color@endgroup}%
13783 \m@mmf@prepare}

```



```

13784 \newcommand{\@mpSevenColfootnotetext}[1]{%
13785   \if@RTL@footnote
13786     \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
13787   \else
13788     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13789   \fi
13790 \global\setbox
13791   \if@RTL@footnote
13792     \@mpfootinsv@r
13793   \else
13794     \@mpfootinsv@1
13795   \fi
13796 \vbox{%
13797   \unvbox
13798   \if@RTL@footnote
13799     \@mpfootinsv@r
13800   \else
13801     \@mpfootinsv@1
13802   \fi
13803   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13804   \def\baselinestretch{\m@m@footnote@spacing}%
13805   \reset@font\foottextfont
13806   \hsize\columnwidth \@parboxrestore
13807   \protected@edef\@currentlabel{%
13808     \csname p@mpfootnote\endcsname\@thefnmark}%
13809   \color@begingroup
13810     \@sevenscolfootfmt{#1}%
13811   \color@endgroup}%
13812 \m@m@mmf@prepare}
13813 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{%
13814   \global\setbox\@mpfootinsv@1\vbox{%
13815     \unvbox\@mpfootinsv@1
13816     \@RTLfalse
13817     \def\baselinestretch{\m@m@footnote@spacing}%
13818     \reset@font\LTRfoottextfont
13819     \hsize\columnwidth \@parboxrestore
13820     \protected@edef\@currentlabel{%
13821       \csname p@mpfootnote\endcsname\@thefnmark}%
13822     \color@begingroup
13823       \@sevenscolLTRfootfmt{#1}%
13824     \color@endgroup}%
13825   \m@m@mmf@prepare}
13826 \newcommand{\@mpSevenColLTRfootnotetext}[1]{%
13827   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13828   \global\setbox\@mpfootinsv@1\vbox{%
13829     \unvbox\@mpfootinsv@1
13830     \@RTLfalse
13831     \def\baselinestretch{\m@m@footnote@spacing}%
13832     \reset@font\LTRfoottextfont
13833     \hsize\columnwidth \@parboxrestore
13834     \protected@edef\@currentlabel{%
13835       \csname p@mpfootnote\endcsname\@thefnmark}%
13836     \color@begingroup
13837     \@sevenscolLTRfootfmt{#1}%

```



```

13838 \color@endgroup}%
13839 \m@mmf@prepare}
13840 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{%
13841 \global\setbox\@mpfootinsv@r\vbox{%
13842 \unvbox\@mpfootinsv@r
13843 \RTLtrue
13844 \def\baselinestretch{\m@m@footnote@spacing}%
13845 \reset@font\RTLfoottextfont
13846 \hsize\columnwidth \@parboxrestore
13847 \protected@edef\@currentlabel{%
13848 \csname p@mpfootnote\endcsname\@thefnmark}%
13849 \color@begingroup
13850 \@sevenscolRTLfootfmt{#1}%
13851 \color@endgroup}%
13852 \m@mmf@prepare}
13853 \newcommand{\@mpSevenColRTLfootnotetext}[1]{%
13854 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13855 \global\setbox\@mpfootinsv@r\vbox{%
13856 \unvbox\@mpfootinsv@r
13857 \RTLtrue
13858 \def\baselinestretch{\m@m@footnote@spacing}%
13859 \reset@font\RTLfoottextfont
13860 \hsize\columnwidth \@parboxrestore
13861 \protected@edef\@currentlabel{%
13862 \csname p@mpfootnote\endcsname\@thefnmark}%
13863 \color@begingroup
13864 \@sevenscolRTLfootfmt{#1}%
13865 \color@endgroup}%
13866 \m@mmf@prepare}
13867 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
13868 \@namedef{@sevenscol@footgroup#1}{%
13869 \def\baselinestretch{\m@m@footnote@spacing}%
13870 \hsize\bidi@columnwidth
13871 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13872 \m@r rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
13873 \newcommand{\bidi@make@sevenscol@LTRfootgroup}[1]{%
13874 \@namedef{@sevenscol@LTRfootgroup#1}{%
13875 \def\baselinestretch{\m@m@footnote@spacing}%
13876 \hsize\bidi@columnwidth
13877 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13878 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
13879 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
13880 \@namedef{@mpsevenscol@footgroup#1}{%
13881 \def\baselinestretch{\m@m@footnote@spacing}%
13882 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13883 \m@r rigidbalance{\@nameuse{mpfootins#1}}{7}{\splittopskip}}}}
13884 \newcommand{\bidi@make@mpsevenscol@LTRfootgroup}[1]{%
13885 \@namedef{@mpsevenscol@LTRfootgroup#1}{%
13886 \def\baselinestretch{\m@m@footnote@spacing}%
13887 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13888 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{7}{\splittopskip}}}}
13889 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
13890 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13891 \@namedef{foottextfontv@l}{\LTRfoottextfont}%

```



```

13892 \@bidi@before@Hy@hyperfootnotes
13893 \let\@footnotetext\@eightcolfootnotetext
13894 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
13895 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
13896 \dimen\footinsv@r=8\footinsdim
13897 \count\footinsv@r=125\relax
13898 \m@make@eightcol@footgroup{v@r}%
13899 \let\@footgroupv@r\@eightcol@footgroupv@r
13900 \dimen\footinsv@l=8\footinsdim
13901 \count\footinsv@l=125\relax
13902 \bidi@make@eightcol@LTRfootgroup{v@l}%
13903 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
13904 \let\@mpfootnotetext\@mpeightcolfootnotetext
13905 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
13906 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
13907 \@bidi@after@Hy@hyperfootnotes
13908 \m@make@mpeightcol@footgroup{v@r}%
13909 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
13910 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
13911 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
13912 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13913 }
13914 \newcommand{\EightColumnFootnotes}{%
13915 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13916 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13917 \@bidi@before@Hy@hyperfootnotes
13918 \let\@footnotetext\@EightColfootnotetext
13919 \let\@LTRfootnotetext\@EightColLTRfootnotetext
13920 \let\@RTLfootnotetext\@EightColRTLfootnotetext
13921 \dimen\footinsv@r=8\footinsdim
13922 \count\footinsv@r=125\relax
13923 \m@make@eightcol@footgroup{v@r}%
13924 \let\@footgroupv@r\@eightcol@footgroupv@r
13925 \dimen\footinsv@l=8\footinsdim
13926 \count\footinsv@l=125\relax
13927 \bidi@make@eightcol@LTRfootgroup{v@l}%
13928 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
13929 \let\@mpfootnotetext\@mpEightColfootnotetext
13930 \let\@mpLTRfootnotetext\@mpEightColLTRfootnotetext
13931 \let\@mpRTLfootnotetext\@mpEightColRTLfootnotetext
13932 \@bidi@after@Hy@hyperfootnotes
13933 \m@make@mpeightcol@footgroup{v@r}%
13934 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
13935 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
13936 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
13937 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13938 }
13939 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert
13940 \if@RTL@footnote
13941 \footinsv@r
13942 \else
13943 \footinsv@l
13944 \fi
13945 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```



```

13946 \def\baselinestretch{\m@m@footnote@spacing}%
13947 \reset@font\foottextfont
13948 \@preamfntext
13949 \protected@edef\@currentlabel{%
13950   \csname p@footnote\endcsname\@thefnmark}%
13951 \color@begingroup
13952   \@eightcolfootfmt{#1}%
13953 \color@endgroup}%
13954 \m@mmf@prepare}
13955 \newcommand{\@EightColfootnotetext}[1]{%
13956   \bidi@step@absolutefootnote@count
13957   \ifRTL@footnote
13958     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13959   \else
13960     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13961   \fi
13962   \global\setbox
13963   \ifRTL@footnote
13964     \footinsv@r
13965   \else
13966     \footinsv@l
13967   \fi
13968   \vbox{%
13969     \unvbox
13970     \ifRTL@footnote
13971       \footinsv@r
13972     \else
13973       \footinsv@l
13974     \fi
13975     \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
13976   \def\baselinestretch{\m@m@footnote@spacing}%
13977   \reset@font\foottextfont
13978   \@preamfntext
13979   \protected@edef\@currentlabel{%
13980     \csname p@footnote\endcsname\@thefnmark}%
13981   \color@begingroup
13982     \@eightcolfootfmt{#1}%
13983   \color@endgroup}%
13984   \m@mmf@prepare
13985   \ifRTL@footnote
13986     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13987   \else
13988     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13989   \fi
13990 }
13991 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13992   \def\baselinestretch{\m@m@footnote@spacing}%
13993   \reset@font\LTRfoottextfont
13994   \@preamfntext
13995   \protected@edef\@currentlabel{%
13996     \csname p@footnote\endcsname\@thefnmark}%
13997   \color@begingroup
13998     \@eightcolLTRfootfmt{#1}%
13999   \color@endgroup}%

```



```

14000 \m@mmf@prepare}
14001 \newcommand{\@EightCOLLTRfootnotetext}[1]{%
14002 \bidi@step@absolute@footnote@count
14003 \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
14004 \global\setbox\footinsv@l\vbox{%
14005 \unvbox\footinsv@l
14006 \RTLfalse
14007 \def\baselinestretch{\m@m@footnote@spacing}%
14008 \reset@font\LTRfoottextfont
14009 \@preamfntext
14010 \protected@edef\@currentlabel{%
14011 \csname p@footnote\endcsname\@thefnmark}%
14012 \color@begingroup
14013 \@eightcolLTRfootfmt{#1}%
14014 \color@endgroup}%
14015 \m@mmf@prepare
14016 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14017 }
14018 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14019 \def\baselinestretch{\m@m@footnote@spacing}%
14020 \reset@font\RTLfoottextfont
14021 \@preamfntext
14022 \protected@edef\@currentlabel{%
14023 \csname p@footnote\endcsname\@thefnmark}%
14024 \color@begingroup
14025 \@eightcolRTLfootfmt{#1}%
14026 \color@endgroup}%
14027 \m@mmf@prepare}
14028 \newcommand{\@EightColRTLfootnotetext}[1]{%
14029 \bidi@step@absolute@footnote@count
14030 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14031 \global\setbox\footinsv@r\vbox{%
14032 \unvbox\footinsv@r
14033 \RTLtrue%
14034 \def\baselinestretch{\m@m@footnote@spacing}%
14035 \reset@font\RTLfoottextfont
14036 \@preamfntext
14037 \protected@edef\@currentlabel{%
14038 \csname p@footnote\endcsname\@thefnmark}%
14039 \color@begingroup
14040 \@eightcolRTLfootfmt{#1}%
14041 \color@endgroup}%
14042 \m@mmf@prepare
14043 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14044 }
14045 \bidi@ensure@newcommand{\@preameightfmt}{%
14046 \hspace .125\hspace
14047 \parindent=\z@
14048 \tolerance=5000\relax
14049 \leavevmode}
14050 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
14051 \@preameightfmt
14052 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14053 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%

```



```

14054 \@preameightfmt
14055 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14056 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
14057 \@preameightfmt
14058 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14059 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
14060 \global\setbox
14061 \if@RTL@footnote
14062 \@mpfootinsv@r
14063 \else
14064 \@mpfootinsv@l
14065 \fi
14066 \vbox{%
14067 \unvbox
14068 \if@RTL@footnote
14069 \@mpfootinsv@r
14070 \else
14071 \@mpfootinsv@l
14072 \fi
14073 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14074 \def\baselinestretch{\m@m@footnote@spacing}%
14075 \reset@font\foottextfont
14076 \hsize\columnwidth \@parboxrestore
14077 \protected@edef\@currentlabel{%
14078 \csname p@mpfootnote\endcsname\@thefnmark}%
14079 \color@begingroup
14080 \@eightcolfootfmt{#1}%
14081 \color@endgroup}%
14082 \m@mmf@prepare}
14083 \newcommand{\@mpEightColfootnotetext}[1]{%
14084 \if@RTL@footnote
14085 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14086 \else
14087 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14088 \fi
14089 \global\setbox
14090 \if@RTL@footnote
14091 \@mpfootinsv@r
14092 \else
14093 \@mpfootinsv@l
14094 \fi
14095 \vbox{%
14096 \unvbox
14097 \if@RTL@footnote
14098 \@mpfootinsv@r
14099 \else
14100 \@mpfootinsv@l
14101 \fi
14102 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14103 \def\baselinestretch{\m@m@footnote@spacing}%
14104 \reset@font\foottextfont
14105 \hsize\columnwidth \@parboxrestore
14106 \protected@edef\@currentlabel{%
14107 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

14108 \color@begingroup
14109   \@eightcolfootfmt{#1}%
14110 \color@endgroup}%
14111 \m@mmf@prepare}
14112 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
14113   \global\setbox\@mpfootinsv@l\vbox{%
14114     \unvbox\@mpfootinsv@l
14115     \@RTLfalse
14116     \def\baselinestretch{\m@m@footnote@spacing}%
14117     \reset@font\LTRfoottextfont
14118     \hsize\columnwidth \@parboxrestore
14119     \protected@edef\@currentlabel{%
14120       \csname p@mpfootnote@endcsname\@thefnmark}%
14121   \color@begingroup
14122     \@eightcolLTRfootfmt{#1}%
14123   \color@endgroup}%
14124   \m@mmf@prepare}
14125 \newcommand{\@mpEightColLTRfootnotetext}[1]{%
14126   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14127   \global\setbox\@mpfootinsv@l\vbox{%
14128     \unvbox\@mpfootinsv@l
14129     \@RTLfalse
14130     \def\baselinestretch{\m@m@footnote@spacing}%
14131     \reset@font\LTRfoottextfont
14132     \hsize\columnwidth \@parboxrestore
14133     \protected@edef\@currentlabel{%
14134       \csname p@mpfootnote@endcsname\@thefnmark}%
14135   \color@begingroup
14136     \@eightcolLTRfootfmt{#1}%
14137   \color@endgroup}%
14138   \m@mmf@prepare}
14139 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
14140   \global\setbox\@mpfootinsv@r\vbox{%
14141     \unvbox\@mpfootinsv@r
14142     \@RTLtrue
14143     \def\baselinestretch{\m@m@footnote@spacing}%
14144     \reset@font\RTLfoottextfont
14145     \hsize\columnwidth \@parboxrestore
14146     \protected@edef\@currentlabel{%
14147       \csname p@mpfootnote@endcsname\@thefnmark}%
14148   \color@begingroup
14149     \@eightcolRTLfootfmt{#1}%
14150   \color@endgroup}%
14151   \m@mmf@prepare}
14152 \newcommand{\@mpEightColRTLfootnotetext}[1]{%
14153   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14154   \global\setbox\@mpfootinsv@r\vbox{%
14155     \unvbox\@mpfootinsv@r
14156     \@RTLtrue
14157     \def\baselinestretch{\m@m@footnote@spacing}%
14158     \reset@font\RTLfoottextfont
14159     \hsize\columnwidth \@parboxrestore
14160     \protected@edef\@currentlabel{%
14161       \csname p@mpfootnote@endcsname\@thefnmark}%

```




```

14162 \color@begingroup
14163   \@eightcolRTLfootfmt{#1}%
14164 \color@endgroup}%
14165 \m@mmf@prepare}
14166 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
14167   \@namedef{@eightcol@footgroup#1}{%
14168     \def\baselinestretch{\m@m@footnote@spacing}%
14169     \hsize\bidi@columnwidth
14170     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14171     \m@r rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
14172 \newcommand{\bidi@make@eightcol@LTRfootgroup}[1]{%
14173   \@namedef{@eightcol@LTRfootgroup#1}{%
14174     \def\baselinestretch{\m@m@footnote@spacing}%
14175     \hsize\bidi@columnwidth
14176     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14177     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
14178 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
14179   \@namedef{@mpeightcol@footgroup#1}{%
14180     \def\baselinestretch{\m@m@footnote@spacing}%
14181     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14182     \m@r rigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}}
14183 \newcommand{\bidi@make@mpeightcol@LTRfootgroup}[1]{%
14184   \@namedef{@mpeightcol@LTRfootgroup#1}{%
14185     \def\baselinestretch{\m@m@footnote@spacing}%
14186     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14187     \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}}
14188 \bidi@ensure@newcommand{\ninelcolumnfootnotes}{%
14189   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14190   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14191   \@bidi@before@Hy@hyperfootnotes
14192   \let\@footnotetext\@ninelcolfootnotetext
14193   \let\@LTRfootnotetext\@ninelcolLTRfootnotetext
14194   \let\@RTLfootnotetext\@ninelcolRTLfootnotetext
14195   \dimen\footinsv@r=9\footinsdim
14196   \count\footinsv@r=111\relax
14197   \m@make@ninelcol@footgroup{v@r}%
14198   \let\@footgroupv@r\@ninelcol@footgroupv@r
14199   \dimen\footinsv@l=9\footinsdim
14200   \count\footinsv@l=111\relax
14201   \bidi@make@ninelcol@LTRfootgroup{v@l}%
14202   \let\@LTRfootgroupv@l\@ninelcol@LTRfootgroupv@l
14203   \let\@mpfootnotetext\@mpninelcolfootnotetext
14204   \let\@mpLTRfootnotetext\@mpninelcolLTRfootnotetext
14205   \let\@mpRTLfootnotetext\@mpninelcolRTLfootnotetext
14206   \@bidi@after@Hy@hyperfootnotes
14207   \m@make@mpninelcol@footgroup{v@r}%
14208   \let\mp@footgroupv@r\@mpninelcol@footgroupv@r
14209   \bidi@make@mpninelcol@LTRfootgroup{v@l}%
14210   \let\mp@LTRfootgroupv@l\@mpninelcol@LTRfootgroupv@l
14211   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14212 }
14213 \newcommand{\NineColumnFootnotes}{%
14214   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14215   \@namedef{foottextfontv@l}{\LTRfoottextfont}%

```



```

14216 \@bidi@before@Hy@hyperfootnotes
14217 \let\@footnotetext\@NineColfootnotetext
14218 \let\@LTRfootnotetext\@NineColLTRfootnotetext
14219 \let\@RTLfootnotetext\@NineColRTLfootnotetext
14220 \dimen\footinsv@r=9\footinsdim
14221 \count\footinsv@r=111\relax
14222 \m@make@ninecol@footgroup{v@r}%
14223 \let\@footgroupv@r\@ninecol@footgroupv@r
14224 \dimen\footinsv@l=9\footinsdim
14225 \count\footinsv@l=111\relax
14226 \bidi@make@ninecol@LTRfootgroup{v@l}%
14227 \let\@LTRfootgroupv@l\@ninecol@LTRfootgroupv@l
14228 \let\@mpfootnotetext\@mpNineColfootnotetext
14229 \let\@mpLTRfootnotetext\@mpNineColLTRfootnotetext
14230 \let\@mpRTLfootnotetext\@mpNineColRTLfootnotetext
14231 \@bidi@after@Hy@hyperfootnotes
14232 \m@make@mpninecol@footgroup{v@r}%
14233 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
14234 \bidi@make@mpninecol@LTRfootgroup{v@l}%
14235 \let\mp@LTRfootgroupv@l\@mpninecol@LTRfootgroupv@l
14236 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14237 }
14238 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert
14239 \if@RTL@footnote
14240 \footinsv@r
14241 \else
14242 \footinsv@l
14243 \fi
14244 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14245 \def\baselinestretch{\m@footnote@spacing}%
14246 \reset@font\foottextfont
14247 \@preamfntext
14248 \protected@edef\@currentlabel{%
14249 \cename p@footnote\endcename\@thefnmark}%
14250 \color@begingroup
14251 \@ninecolfootfmt{#1}%
14252 \color@endgroup}%
14253 \m@mmf@prepare}
14254 \newcommand{\@NineColfootnotetext}[1]{%
14255 \bidi@step@absolute@footnote@count
14256 \if@RTL@footnote
14257 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14258 \else
14259 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14260 \fi
14261 \global\setbox
14262 \if@RTL@footnote
14263 \footinsv@r
14264 \else
14265 \footinsv@l
14266 \fi
14267 \vbox{%
14268 \unvbox
14269 \if@RTL@footnote

```



```

14270 \footinsv@r
14271 \else
14272 \footinsv@l
14273 \fi
14274 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14275 \def\baselinestretch{\m@footnote@spacing}%
14276 \reset@font\foottextfont
14277 \@preamfntext
14278 \protected@edef\@currentlabel{%
14279 \csname p@footnote\endcsname\@thefnmark}%
14280 \color@begingroup
14281 \@ninecolfootfmt{#1}%
14282 \color@endgroup}%
14283 \m@mmf@prepare
14284 \if@RTL@footnote
14285 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14286 \else
14287 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14288 \fi
14289 }
14290 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14291 \def\baselinestretch{\m@footnote@spacing}%
14292 \reset@font\LTRfoottextfont
14293 \@preamfntext
14294 \protected@edef\@currentlabel{%
14295 \csname p@footnote\endcsname\@thefnmark}%
14296 \color@begingroup
14297 \@ninecolLTRfootfmt{#1}%
14298 \color@endgroup}%
14299 \m@mmf@prepare}
14300 \newcommand{\@NineColLTRfootnotetext}[1]{%
14301 \bidi@step@absolute@footnote@count
14302 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14303 \global\setbox\footinsv@l\vbox{%
14304 \unvbox\footinsv@l
14305 \@RTLfalse
14306 \def\baselinestretch{\m@footnote@spacing}%
14307 \reset@font\LTRfoottextfont
14308 \@preamfntext
14309 \protected@edef\@currentlabel{%
14310 \csname p@footnote\endcsname\@thefnmark}%
14311 \color@begingroup
14312 \@ninecolLTRfootfmt{#1}%
14313 \color@endgroup}%
14314 \m@mmf@prepare
14315 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14316 }
14317 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14318 \def\baselinestretch{\m@footnote@spacing}%
14319 \reset@font\RTLfoottextfont
14320 \@preamfntext
14321 \protected@edef\@currentlabel{%
14322 \csname p@footnote\endcsname\@thefnmark}%
14323 \color@begingroup

```



```

14324 \@ninelcolRTLfootfmt{#1}%
14325 \color@endgroup}%
14326 \m@mmf@prepare}
14327 \newcommand{\@NinelcolRTLfootnotetext}[1]{%
14328 \bidi@step@absolutefootnote@count
14329 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14330 \global\setbox\footinsv@r\vbox{%
14331 \unvbox\footinsv@r
14332 \@RTLtrue
14333 \def\baselinestretch{\m@m@footnote@spacing}%
14334 \reset@font\RTLfoottextfont
14335 \@preamnineftext
14336 \protected@edef\@currentlabel{%
14337 \csname p@footnote\endcsname\@thefnmark}%
14338 \color@begingroup
14339 \@ninelcolRTLfootfmt{#1}%
14340 \color@endgroup}%
14341 \m@mmf@prepare
14342 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14343 }
14344 \bidi@ensure@newcommand{\@preamninefmt}{%
14345 \hsize .1\hsize
14346 \parindent=\z@
14347 \tolerance=5000\relax
14348 \leavevmode}
14349 \bidi@ensure@newcommand{\@ninelcolfootfmt}[1]{%
14350 \@preamninefmt
14351 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14352 \bidi@ensure@newcommand{\@ninelcolLTRfootfmt}[1]{%
14353 \@preamninefmt
14354 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14355 \bidi@ensure@newcommand{\@ninelcolRTLfootfmt}[1]{%
14356 \@preamninefmt
14357 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14358 \bidi@ensure@newcommand{\@mpninelcolfootnotetext}[1]{%
14359 \global\setbox
14360 \if@RTL@footnote
14361 \@mpfootinsv@r
14362 \else
14363 \@mpfootinsv@l
14364 \fi
14365 \vbox{%
14366 \unvbox
14367 \if@RTL@footnote
14368 \@mpfootinsv@r
14369 \else
14370 \@mpfootinsv@l
14371 \fi
14372 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14373 \def\baselinestretch{\m@m@footnote@spacing}%
14374 \reset@font\foottextfont
14375 \hsize\columnwidth \@parboxrestore
14376 \protected@edef\@currentlabel{%
14377 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

14378 \color@begingroup
14379 \@ninecolfootfmt{#1}%
14380 \color@endgroup}%
14381 \m@mmf@prepare}
14382 \newcommand{\@mpNineColfootnotetext}[1]{%
14383 \if@RTL@footnote
14384 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14385 \else
14386 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14387 \fi
14388 \global\setbox
14389 \if@RTL@footnote
14390 \@mpfootinsv@r
14391 \else
14392 \@mpfootinsv@l
14393 \fi
14394 \vbox{%
14395 \unvbox
14396 \if@RTL@footnote
14397 \@mpfootinsv@r
14398 \else
14399 \@mpfootinsv@l
14400 \fi
14401 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14402 \def\baselinestretch{\m@m@footnote@spacing}%
14403 \reset@font\foottextfont
14404 \hsize\columnwidth \@parboxrestore
14405 \protected@edef\@currentlabel{%
14406 \csname p@mpfootnote\endcsname\@thefnmark}%
14407 \color@begingroup
14408 \@ninecolfootfmt{#1}%
14409 \color@endgroup}%
14410 \m@mmf@prepare}
14411 \bidi@ensure@newcommand{\@mpninecollTRfootnotetext}[1]{%
14412 \global\setbox\@mpfootinsv@l\vbox{%
14413 \unvbox\@mpfootinsv@l
14414 \@RTLfalse
14415 \def\baselinestretch{\m@m@footnote@spacing}%
14416 \reset@font\LTRfoottextfont
14417 \hsize\columnwidth \@parboxrestore
14418 \protected@edef\@currentlabel{%
14419 \csname p@mpfootnote\endcsname\@thefnmark}%
14420 \color@begingroup
14421 \@ninecollTRfootfmt{#1}%
14422 \color@endgroup}%
14423 \m@mmf@prepare}
14424 \newcommand{\@mpNineCollTRfootnotetext}[1]{%
14425 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14426 \global\setbox\@mpfootinsv@l\vbox{%
14427 \unvbox\@mpfootinsv@l
14428 \@RTLfalse
14429 \def\baselinestretch{\m@m@footnote@spacing}%
14430 \reset@font\LTRfoottextfont
14431 \hsize\columnwidth \@parboxrestore

```



```

14432 \protected@edef\@currentlabel{%
14433 \csname p@mpfootnote\endcsname\@thefnmark}%
14434 \color@begingroup
14435 \@ninecolLTRfootfmt{#1}%
14436 \color@endgroup}%
14437 \m@mmf@prepare}
14438 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
14439 \global\setbox\@mpfootinsv@r\vbox{%
14440 \unvbox\@mpfootinsv@r
14441 \RTLtrue
14442 \def\baselinestretch{\m@m@footnote@spacing}%
14443 \reset@font\RTLfoottextfont
14444 \hsize\columnwidth \@parboxrestore
14445 \protected@edef\@currentlabel{%
14446 \csname p@mpfootnote\endcsname\@thefnmark}%
14447 \color@begingroup
14448 \@ninecolRTLfootfmt{#1}%
14449 \color@endgroup}%
14450 \m@mmf@prepare}
14451 \newcommand{\@mpNineColRTLfootnotetext}[1]{%
14452 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14453 \global\setbox\@mpfootinsv@r\vbox{%
14454 \unvbox\@mpfootinsv@r
14455 \RTLtrue
14456 \def\baselinestretch{\m@m@footnote@spacing}%
14457 \reset@font\RTLfoottextfont
14458 \hsize\columnwidth \@parboxrestore
14459 \protected@edef\@currentlabel{%
14460 \csname p@mpfootnote\endcsname\@thefnmark}%
14461 \color@begingroup
14462 \@ninecolRTLfootfmt{#1}%
14463 \color@endgroup}%
14464 \m@mmf@prepare}
14465 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
14466 \@namedef{@ninecol@footgroup#1}{%
14467 \def\baselinestretch{\m@m@footnote@spacing}%
14468 \hsize\bidi@columnwidth
14469 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14470 \m@r@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
14471 \newcommand{\bidi@make@ninecol@LTRfootgroup}[1]{%
14472 \@namedef{@ninecol@LTRfootgroup#1}{%
14473 \def\baselinestretch{\m@m@footnote@spacing}%
14474 \hsize\bidi@columnwidth
14475 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14476 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
14477 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
14478 \@namedef{@mpninecol@footgroup#1}{%
14479 \def\baselinestretch{\m@m@footnote@spacing}%
14480 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14481 \m@r@rigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}}}
14482 \newcommand{\bidi@make@mpninecol@LTRfootgroup}[1]{%
14483 \@namedef{@mpninecol@LTRfootgroup#1}{%
14484 \def\baselinestretch{\m@m@footnote@spacing}%
14485 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

14486 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}
14487 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
14488 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14489 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14490 \@bidi@before@Hy@hyperfootnotes
14491 \let\@footnotetext\@tencolfootnotetext
14492 \let\@LTRfootnotetext\@tencolLTRfootnotetext
14493 \let\@RTLfootnotetext\@tencolRTLfootnotetext
14494 \dimen\footinsv@r=10\footinsdim
14495 \count\footinsv@r=100\relax
14496 \m@make@tencol@footgroup{v@r}%
14497 \let\@footgroupv@r\@tencol@footgroupv@r
14498 \dimen\footinsv@l=10\footinsdim
14499 \count\footinsv@l=100\relax
14500 \bidi@make@tencol@LTRfootgroup{v@l}%
14501 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14502 \let\@mpfootnotetext\@mptencolfootnotetext
14503 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
14504 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
14505 \@bidi@after@Hy@hyperfootnotes
14506 \m@make@mptencol@footgroup{v@r}%
14507 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14508 \bidi@make@mptencol@LTRfootgroup{v@l}%
14509 \let\mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
14510 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14511 }
14512 \newcommand{\TenColumnFootnotes}{%
14513 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14514 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14515 \@bidi@before@Hy@hyperfootnotes
14516 \let\@footnotetext\@TenColfootnotetext
14517 \let\@LTRfootnotetext\@TenColLTRfootnotetext
14518 \let\@RTLfootnotetext\@TenColRTLfootnotetext
14519 \dimen\footinsv@r=10\footinsdim
14520 \count\footinsv@r=100\relax
14521 \m@make@tencol@footgroup{v@r}%
14522 \let\@footgroupv@r\@tencol@footgroupv@r
14523 \dimen\footinsv@l=10\footinsdim
14524 \count\footinsv@l=100\relax
14525 \bidi@make@tencol@LTRfootgroup{v@l}%
14526 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14527 \let\@mpfootnotetext\@mpTenColfootnotetext
14528 \let\@mpLTRfootnotetext\@mpTenColLTRfootnotetext
14529 \let\@mpRTLfootnotetext\@mpTenColRTLfootnotetext
14530 \@bidi@after@Hy@hyperfootnotes
14531 \m@make@mptencol@footgroup{v@r}%
14532 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14533 \bidi@make@mptencol@LTRfootgroup{v@l}%
14534 \let\mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
14535 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14536 }
14537 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert
14538 \if@RTL@footnote
14539 \footinsv@r

```



```

14540 \else
14541   \footinsv@l
14542 \fi
14543 {\if@RTL@footnote@RTLtrue\else@RTLfalse\fi%
14544 \def\baselinestretch{\m@f@footnote@spacing}%
14545 \reset@font\foottextfont
14546 \@preamfntext
14547 \protected@edef\@currentlabel{%
14548   \csname p@footnote\endcsname\@thefnmark}%
14549 \color@begingroup
14550   \@tencolfootfmt{#1}%
14551 \color@endgroup}%
14552 \m@mmf@prepare}
14553 \newcommand{\@TenColFootnotetext}[1]{%
14554   \bidi@step@absolute@footnote@count
14555   \if@RTL@footnote
14556     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14557   \else
14558     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14559   \fi
14560   \global\setbox
14561   \if@RTL@footnote
14562     \footinsv@r
14563   \else
14564     \footinsv@l
14565   \fi
14566 \vbox{%
14567   \unvbox
14568   \if@RTL@footnote
14569     \footinsv@r
14570   \else
14571     \footinsv@l
14572   \fi
14573   \if@RTL@footnote@RTLtrue\else@RTLfalse\fi
14574   \def\baselinestretch{\m@f@footnote@spacing}%
14575   \reset@font\foottextfont
14576   \@preamfntext
14577   \protected@edef\@currentlabel{%
14578     \csname p@footnote\endcsname\@thefnmark}%
14579   \color@begingroup
14580     \@tencolfootfmt{#1}%
14581   \color@endgroup}%
14582   \m@mmf@prepare
14583   \if@RTL@footnote
14584     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14585   \else
14586     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14587   \fi
14588 }
14589 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@l\@RTLfalse%
14590 \def\baselinestretch{\m@f@footnote@spacing}%
14591 \reset@font\LTRfoottextfont
14592 \@preamfntext
14593 \protected@edef\@currentlabel{%

```




```

14594   \csname p@footnote\endcsname\@thefnmark}%
14595 \color@begingroup
14596   \@tencolLTRfootfmt{#1}%
14597 \color@endgroup}%
14598 \m@mmf@prepare}
14599 \newcommand{\@TenColLTRfootnotetext}[1]{%
14600 \bidi@step@absolute@footnote@count
14601 \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
14602 \global\setbox\footinsv@l\vbox{%
14603 \unvbox\footinsv@l
14604 \@RTLfalse%
14605 \def\baselinestretch{\m@mm@footnote@spacing}%
14606 \reset@font\LTRfoottextfont
14607 \@preamfntext
14608 \protected@edef\@currentlabel{%
14609   \csname p@footnote\endcsname\@thefnmark}%
14610 \color@begingroup
14611   \@tencolLTRfootfmt{#1}%
14612 \color@endgroup}%
14613 \m@mmf@prepare
14614 \bidi@reinsert@final@footnote@perpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14615 }
14616 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14617 \def\baselinestretch{\m@mm@footnote@spacing}%
14618 \reset@font\RTLfoottextfont
14619 \@preamfntext
14620 \protected@edef\@currentlabel{%
14621   \csname p@footnote\endcsname\@thefnmark}%
14622 \color@begingroup
14623   \@tencolRTLfootfmt{#1}%
14624 \color@endgroup}%
14625 \m@mmf@prepare}
14626 \newcommand{\@TenColRTLfootnotetext}[1]{%
14627 \bidi@step@absolute@footnote@count
14628 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14629 \global\setbox\footinsv@r\vbox{%
14630 \unvbox\footinsv@r
14631 \@RTLtrue
14632 \def\baselinestretch{\m@mm@footnote@spacing}%
14633 \reset@font\RTLfoottextfont
14634 \@preamfntext
14635 \protected@edef\@currentlabel{%
14636   \csname p@footnote\endcsname\@thefnmark}%
14637 \color@begingroup
14638   \@tencolRTLfootfmt{#1}%
14639 \color@endgroup}%
14640 \m@mmf@prepare
14641 \bidi@reinsert@final@footnote@perpage\footinsv@r\@footstartv@r\@footgroupv@r
14642 }
14643 \bidi@ensure@newcommand{\@preamtenfnt}{%
14644 \hsize .1\hsize
14645 \parindent=\z@
14646 \tolerance=5000\relax
14647 \leavevmode}

```



```

14648 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
14649   \@preamtenfmt
14650   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14651 \bidi@ensure@newcommand{\@tencollTRfootfmt}[1]{%
14652   \@preamtenfmt
14653   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14654 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
14655   \@preamtenfmt
14656   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14657 \bidi@ensure@newcommand{\@emptencolfootnotetext}[1]{%
14658   \global\setbox
14659     \if@RTL@footnote
14660     \@mpfootinsv@r
14661   \else
14662     \@mpfootinsv@l
14663   \fi
14664   \vbox{%
14665     \unvbox
14666     \if@RTL@footnote
14667     \@mpfootinsv@r
14668   \else
14669     \@mpfootinsv@l
14670   \fi
14671   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14672   \def\baselinestretch{\m@m@footnote@spacing}%
14673   \reset@font\foottextfont
14674   \hsize\columnwidth \@parboxrestore
14675   \protected@edef\@currentlabel{%
14676     \csname p@mpfootnote\endcsname\@thefnmark}%
14677   \color@begingroup
14678     \@tencolfootfmt{#1}%
14679   \color@endgroup}%
14680   \m@mmf@prepare}
14681 \newcommand{\@mpTenColfootnotetext}[1]{%
14682   \if@RTL@footnote
14683     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14684   \else
14685     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14686   \fi
14687   \global\setbox
14688     \if@RTL@footnote
14689     \@mpfootinsv@r
14690   \else
14691     \@mpfootinsv@l
14692   \fi
14693   \vbox{%
14694     \unvbox
14695     \if@RTL@footnote
14696     \@mpfootinsv@r
14697   \else
14698     \@mpfootinsv@l
14699   \fi
14700   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14701   \def\baselinestretch{\m@m@footnote@spacing}%

```



```

14702 \reset@font\foottextfont
14703 \hsize\columnwidth \@parboxrestore
14704 \protected@edef\@currentlabel{%
14705 \csname p@mpfootnote\endcsname\@thefnmark}%
14706 \color@begingroup
14707 \@tencolfootfmt{#1}%
14708 \color@endgroup}%
14709 \m@mmf@prepare}
14710 \bidi@ensure@newcommand{\@mptencollTRfootnotetext}[1]{%
14711 \global\setbox\@mpfootinsv@l\vbox{%
14712 \unvbox\@mpfootinsv@l
14713 \@RTLfalse
14714 \def\baselinestretch{\m@m@footnote@spacing}%
14715 \reset@font\LTRfoottextfont
14716 \hsize\columnwidth \@parboxrestore
14717 \protected@edef\@currentlabel{%
14718 \csname p@mpfootnote\endcsname\@thefnmark}%
14719 \color@begingroup
14720 \@tencollTRfootfmt{#1}%
14721 \color@endgroup}%
14722 \m@mmf@prepare}
14723 \newcommand{\@mpTenCollTRfootnotetext}[1]{%
14724 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14725 \global\setbox\@mpfootinsv@l\vbox{%
14726 \unvbox\@mpfootinsv@l
14727 \@RTLfalse
14728 \def\baselinestretch{\m@m@footnote@spacing}%
14729 \reset@font\LTRfoottextfont
14730 \hsize\columnwidth \@parboxrestore
14731 \protected@edef\@currentlabel{%
14732 \csname p@mpfootnote\endcsname\@thefnmark}%
14733 \color@begingroup
14734 \@tencollTRfootfmt{#1}%
14735 \color@endgroup}%
14736 \m@mmf@prepare}
14737 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
14738 \global\setbox\@mpfootinsv@r\vbox{%
14739 \unvbox\@mpfootinsv@r
14740 \@RTLtrue
14741 \def\baselinestretch{\m@m@footnote@spacing}%
14742 \reset@font\RTLfoottextfont
14743 \hsize\columnwidth \@parboxrestore
14744 \protected@edef\@currentlabel{%
14745 \csname p@mpfootnote\endcsname\@thefnmark}%
14746 \color@begingroup
14747 \@tencolRTLfootfmt{#1}%
14748 \color@endgroup}%
14749 \m@mmf@prepare}
14750 \newcommand{\@mpTenColRTLfootnotetext}[1]{%
14751 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14752 \global\setbox\@mpfootinsv@r\vbox{%
14753 \unvbox\@mpfootinsv@r
14754 \@RTLtrue
14755 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

14756 \reset@font\RTLfoottextfont
14757 \hsize\columnwidth \@parboxrestore
14758 \protected@edef\@currentlabel{%
14759 \csname p@mpfootnote\endcsname\@thefnmark}%
14760 \color@begingroup
14761 \@tencolRTLfootfmt{#1}%
14762 \color@endgroup}%
14763 \m@mfm@prepare}
14764 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
14765 \@namedef{\tencol@footgroup#1}{%
14766 \def\baselinestretch{\m@m@footnote@spacing}%
14767 \hsize\bidi@columnwidth
14768 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14769 \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}
14770 \newcommand{\bidi@make@tencol@LTRfootgroup}[1]{%
14771 \@namedef{\tencol@LTRfootgroup#1}{%
14772 \def\baselinestretch{\m@m@footnote@spacing}%
14773 \hsize\bidi@columnwidth
14774 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14775 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}
14776 \bidi@ensure@newcommand{\m@make@mpntencol@footgroup}[1]{%
14777 \@namedef{\mpntencol@footgroup#1}{%
14778 \def\baselinestretch{\m@m@footnote@spacing}%
14779 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14780 \m@mrigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}
14781 \newcommand{\bidi@make@mpntencol@LTRfootgroup}[1]{%
14782 \@namedef{\mpntencol@LTRfootgroup#1}{%
14783 \def\baselinestretch{\m@m@footnote@spacing}%
14784 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14785 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}
14786 \bidi@ensure@newcommand{\m@munvxh}[1]{%
14787 \setbox0=\vbox{\unvbox#1}
14788 \global\setbox1=\lastbox}%
14789 \unhbox1
14790 \unskip
14791 \unskip
14792 \unpenalty
14793 \hskip\m@mipn@skip}
14794 \bidi@ensure@newcommand{\m@mungebox}{%
14795 \setbox0=\hbox{\m@munvxh0}%
14796 \dp0=\z@
14797 \ht0=\footfudgefactor\wd0
14798 \box0
14799 \penalty0}
14800 \newskip\m@mipn@skip
14801 \bidi@ensure@newcommand*{\m@minterparanoteglu}[1]{%
14802 {\foottextfont\global\m@mipn@skip=#1\relax}}
14803 \m@minterparanoteglu{1em plus.3em minus.3em}
14804 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
14805 \setbox0=\hbox{}%
14806 \loop
14807 \unpenalty
14808 \setbox2=\lastbox
14809 \ifhbox2

```



```

14810     \setbox0=\hbox{\box2\unhbox0}
14811     \repeat}
14812 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
14813   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
14814 \newcommand*\AddExtraParaSkip[1]{%
14815   \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
14816 }
14817 \let\bidi@xparaskip\relax
14818 \@onlypreamble\AddExtraParaSkip
14819 \@onlypreamble\bidi@xparaskip
14820 \def\bidi@startparafootskip#1{%
14821   \global\advance\skip#1\bidi@paraskip
14822 }
14823 \@onlypreamble\bidi@startparafootskip
14824 \bidi@ensure@newcommand{\paragraphfootnotes}{%
14825   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14826   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14827   \@bidi@before@Hy@hyperfootnotes
14828   \let\@footnotetext\@parafootnotetext
14829   \let\@LTRfootnotetext\@paraLTRfootnotetext
14830   \let\@RTLfootnotetext\@paraRTLfootnotetext
14831   \dimen\footinsv@r=\footinsdim
14832   \count\footinsv@r=1000\relax
14833   \let\bidi@removexfootskip\bidi@removexparafootskip
14834   \m@make@para@footgroup{v@r}%
14835   \m@make@para@footstart{v@r}%
14836   \let\@footgroupv@r\@para@footgroupv@r
14837   \let\@footstartv@r\@para@footstartv@r
14838   \dimen\footinsv@l=\footinsdim
14839   \count\footinsv@l=1000\relax
14840   \bidi@make@para@LTRfootgroup{v@l}%
14841   \m@make@para@footstart{v@l}%
14842   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14843   \let\@footstartv@l\@para@footstartv@l
14844   \let\@mpfootnotetext\@mpparafootnotetext
14845   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
14846   \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
14847   \@bidi@after@Hy@hyperfootnotes
14848   \m@make@mppara@footgroup{v@r}%
14849   \bidi@make@mppara@LTRfootgroup{v@l}%
14850   \let\mp@footgroupv@r\@mppara@footgroupv@r
14851   \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14852   \g@addto@macro\bidi@floathook{%
14853     \begingroup
14854       \foottextfont \@tempdima\normalbaselineskip
14855       \multiply \@tempdima \@cclvi
14856       \@tempdimb \columnwidth
14857       \divide \@tempdimb \@cclvi
14858       \divide \@tempdima \@tempdimb
14859       \xdef\footfudgefactor{\strip@pt\@tempdima}%
14860     \endgroup
14861   }
14862 \AtBeginDocument{%
14863   \begingroup

```



```

14864     \foottextfont
14865     \@tempdima\footnotesep
14866     \advance\@tempdima -\ht\strutbox
14867     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
14868     \advance\@tempdima.5\normalbaselineskip
14869     \bidi@xparaskip
14870     \xdef\bidi@paraskip{\the\@tempdima\relax}%
14871     \endgroup
14872     \bidi@startparafootskip\footinsv@r
14873     \bidi@startparafootskip\footinsv@l
14874 }
14875 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14876 }
14877 \newcommand{\ParagraphFootnotes}{%
14878   \@namedef{foottextfontv@r}{\foottextfont}%
14879   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14880   \@bidi@before@Hy@hyperfootnotes
14881   \let\@footnotetext\@Parafootnotetext
14882   \let\@LTRfootnotetext\@ParaLTRfootnotetext
14883   \let\@RTLfootnotetext\@ParaRTLfootnotetext
14884   \dimen\footinsv@r=\footinsdim
14885   \count\footinsv@r=1000\relax
14886   \let\bidi@removexfootskip\bidi@removexparafootskip
14887   \m@make@para@footgroup{v@r}%
14888   \m@make@para@footstart{v@r}%
14889   \let\@footgroupv@r\@para@footgroupv@r
14890   \let\@footstartv@r\@para@footstartv@r
14891   \dimen\footinsv@l=\footinsdim
14892   \count\footinsv@l=1000\relax
14893   \bidi@make@para@LTRfootgroup{v@l}%
14894   \m@make@para@footstart{v@l}%
14895   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14896   \let\@footstartv@l\@para@footstartv@l
14897   \let\@mpfootnotetext\@mpParafootnotetext
14898   \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
14899   \let\@mpRTLfootnotetext\@mpParaRTLfootnotetext
14900   \@bidi@after@Hy@hyperfootnotes
14901   \m@make@mppara@footgroup{v@r}%
14902   \bidi@make@mppara@LTRfootgroup{v@l}%
14903   \let\mp@footgroupv@r\@mppara@footgroupv@r
14904   \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14905   \g@addto@macro\bidi@floathook{%
14906     \begingroup
14907       \foottextfont \@tempdima\normalbaselineskip
14908       \multiply \@tempdima \@cclvi
14909       \@tempdimb \columnwidth
14910       \divide \@tempdimb \@cclvi
14911       \divide \@tempdima \@tempdimb
14912       \xdef\footfudgefactor{\strip@pt\@tempdima}%
14913     \endgroup
14914 }
14915 \AtBeginDocument{%
14916   \begingroup
14917     \foottextfont

```



```

14918     \@tempdima\footnotesep
14919     \advance\@tempdima -\ht\strutbox
14920     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
14921     \advance\@tempdima.5\normalbaselineskip
14922     \bidi@xparaskip
14923     \xdef\bidi@paraskip{\the\@tempdima\relax}%
14924     \endgroup
14925     \bidi@startparafootskip\footinsv@r
14926     \bidi@startparafootskip\footinsv@l
14927 }
14928 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14929 }
14930 \newcommand{\normalRTLparaLTRfootnotes}{%
14931   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14932   \@bidi@before@Hy@hyperfootnotes
14933   \if@RTL@footnote
14934     \let\@footnotetext\m@mold@footnotetext
14935   \else
14936     \let\@footnotetext\@parafootnotetext
14937   \fi
14938   \let\@LTRfootnotetext\@paraLTRfootnotetext
14939   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
14940   \dimen\footinsv@l=\footinsdim
14941   \count\footinsv@l=1000\relax
14942   \let\bidi@removexfootskip\bidi@removexparafootskip
14943   \bidi@make@para@LTRfootgroup{v@l}%
14944   \m@make@para@footstart{v@l}%
14945   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14946   \let\@footstartv@l\@para@footstartv@l
14947   \if@RTL@footnote
14948     \let\@mpfootnotetext\m@mold@mpfootnotetext
14949   \else
14950     \let\@mpfootnotetext\@mpparafootnotetext
14951   \fi
14952   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
14953   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
14954   \@bidi@after@Hy@hyperfootnotes
14955   \bidi@make@mppara@LTRfootgroup{v@l}%
14956   \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14957   \g@addto@macro\bidi@floathook{%
14958     \begingroup
14959     \LTRfoottextfont \@tempdima\normalbaselineskip
14960     \multiply \@tempdima \@cclvi
14961     \@tempdimb \columnwidth
14962     \divide \@tempdimb \@cclvi
14963     \divide \@tempdima \@tempdimb
14964     \xdef\footfudgefactor{\strip@pt\@tempdima}%
14965     \endgroup
14966 }
14967 \AtBeginDocument{%
14968   \begingroup
14969   \LTRfoottextfont
14970   \@tempdima\footnotesep
14971   \advance\@tempdima -\ht\strutbox

```



```

14972     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
14973     \advance\@tempdima.5\normalbaselineskip
14974     \bidi@xparaskip
14975     \xdef\bidi@paraskip{\the\@tempdima\relax}%
14976   \endgroup
14977   \bidi@startparafootskip\footinsv@l
14978 }
14979   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14980 }
14981 \newcommand{\NormalRTLParaLTRFootnotes}{%
14982   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14983   \@bidi@before@Hy@hyperfootnotes
14984   \if@RTL@footnote
14985     \let\@footnotetext\bidi@bidiold@footnotetext
14986   \else
14987     \let\@footnotetext\@Parafootnotetext
14988   \fi
14989   \let\@LTRfootnotetext\@ParaLTRfootnotetext
14990   \let\@RTLfootnotetext\bidi@bidiold@RTLfootnotetext
14991   \dimen\footinsv@l=\footinsdim
14992   \count\footinsv@l=1000\relax
14993   \let\bidi@removexfootskip\bidi@removexparafootskip
14994   \bidi@make@para@LTRfootgroup{v@l}%
14995   \m@make@para@footstart{v@l}%
14996   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14997   \let\@footstartv@l\@para@footstartv@l
14998   \if@RTL@footnote
14999     \let\@mpfootnotetext\bidi@bidiold@mpfootnotetext
15000   \else
15001     \let\@mpfootnotetext\@mpParafootnotetext
15002   \fi
15003   \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
15004   \let\@mpRTLfootnotetext\bidi@bidiold@mpRTLfootnotetext
15005   \@bidi@after@Hy@hyperfootnotes
15006   \bidi@make@mppara@LTRfootgroup{v@l}%
15007   \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
15008   \g@addto@macro\bidi@floathook{%
15009     \begingroup
15010     \LTRfoottextfont \@tempdima\normalbaselineskip
15011     \multiply \@tempdima \@cclvi
15012     \@tempdimb \columnwidth
15013     \divide \@tempdimb \@cclvi
15014     \divide \@tempdima \@tempdimb
15015     \xdef\footfudgefactor{\strip@pt\@tempdima}%
15016   \endgroup
15017 }
15018 \AtBeginDocument{%
15019   \begingroup
15020     \LTRfoottextfont
15021     \@tempdima\footnotesep
15022     \advance\@tempdima -\ht\strutbox
15023     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
15024     \advance\@tempdima.5\normalbaselineskip
15025     \bidi@xparaskip

```




```

15026     \xdef\bidi@paraskip{\the\@tempdima\relax}%
15027     \endgroup
15028     \bidi@startparafootskip\footinsv@l
15029   }
15030   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
15031 }
15032 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
15033   \if@RTL@footnote
15034     \footinsv@r
15035   \else
15036     \footinsv@l
15037   \fi
15038   {%
15039   \let\bidi@RTL@everypar\@empty%
15040   \def\baselinestretch{\m@m@footnote@spacing}%
15041   \reset@font\foottextfont
15042   \@preamfntext
15043   \protected@edef\@currentlabel{%
15044     \csname p@footnote\endcsname\@thefnmark}%
15045   \setbox0=\vbox{\hsize=\maxdimen
15046     \color@begingroup
15047     \noindent \@parafootfmt{#1}%
15048     \color@endgroup}%
15049   \m@mungebox}\m@mmf@prepare}
15050 \newcommand{\@Parafootnotetext}[1]{%
15051   \bidi@step@absolutefootnote@count
15052   \if@RTL@footnote
15053     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15054   \else
15055     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
15056   \fi
15057 \global\setbox
15058   \if@RTL@footnote
15059     \footinsv@r
15060   \else
15061     \footinsv@l
15062   \fi
15063   \vbox{%
15064   \unvbox
15065   \if@RTL@footnote
15066     \footinsv@r
15067   \else
15068     \footinsv@l
15069   \fi
15070   \let\bidi@RTL@everypar\@empty%
15071   \def\baselinestretch{\m@m@footnote@spacing}%
15072   \reset@font\foottextfont
15073   \@preamfntext
15074   \protected@edef\@currentlabel{%
15075     \csname p@footnote\endcsname\@thefnmark}%
15076   \setbox0=\vbox{\hsize=\maxdimen
15077     \color@begingroup
15078     \noindent \@parafootfmt{#1}%
15079     \color@endgroup}%

```



```

15080 \m@ungebox}\m@mmf@prepare
15081 \if@RTL@footnote
15082   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15083 \else
15084   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15085 \fi
15086 }
15087 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
15088 \let\bidi@RTL@everypar\@empty%
15089 \def\baselinestretch{\m@footnote@spacing}%
15090 \reset@font\LTRfoottextfont
15091 \@preamftext
15092 \protected@edef\@currentlabel{%
15093   \csname p@footnote\endcsname\@thefnmark}%
15094 \setbox0=\vbox{\hsize=\maxdimen
15095   \color@begingroup
15096     \noindent \@paraLTRfootfmt{#1}%
15097   \color@endgroup}%
15098 \m@ungebox}\m@mmf@prepare}
15099 \newcommand{\@ParaLTRfootnotetext}[1]{%
15100 \bidi@step@absolutefootnote@count
15101 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
15102 \global\setbox\footinsv@l\vbox{%
15103 \unvbox\footinsv@l
15104 \let\bidi@RTL@everypar\@empty%
15105 \def\baselinestretch{\m@footnote@spacing}%
15106 \reset@font\LTRfoottextfont
15107 \@preamftext
15108 \protected@edef\@currentlabel{%
15109   \csname p@footnote\endcsname\@thefnmark}%
15110 \setbox0=\vbox{\hsize=\maxdimen
15111   \color@begingroup
15112     \noindent \@paraLTRfootfmt{#1}%
15113   \color@endgroup}%
15114 \m@ungebox}\m@mmf@prepare
15115 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15116 }
15117 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
15118 \let\bidi@RTL@everypar\@empty%
15119 \def\baselinestretch{\m@footnote@spacing}%
15120 \reset@font\RTLfoottextfont
15121 \@preamftext
15122 \protected@edef\@currentlabel{%
15123   \csname p@footnote\endcsname\@thefnmark}%
15124 \setbox0=\vbox{\hsize=\maxdimen
15125   \color@begingroup
15126     \noindent \@paraRTLfootfmt{#1}%
15127   \color@endgroup}%
15128 \m@ungebox}\m@mmf@prepare}
15129 \newcommand{\@ParaRTLfootnotetext}[1]{%
15130 \bidi@step@absolutefootnote@count
15131 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15132 \global\setbox\footinsv@r\vbox{%
15133 \unvbox\footinsv@r

```



```

15134 \let\ bidi@RTL@everypar\@empty%
15135 \def\baselinestretch{\m@m@footnote@spacing}%
15136 \reset@font\RTLfoottextfont
15137 \@preamftext
15138 \protected@edef\@currentlabel{%
15139   \csname p@footnote\endcsname\@thefnmark}%
15140 \setbox0=\vbox{\hsize=\maxdimen
15141   \color@begingroup
15142   \noindent \@paraRTLfootfmt{#1}%
15143   \color@endgroup}%
15144 \m@mungebox}\m@mmf@prepare
15145 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15146 }
15147 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
15148   \parindent=\z@
15149   \parfillskip=0pt \@plus 1fil
15150   {\footfootmark\strut {\foottextfont #1}\penalty-10}}
15151 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
15152   \parindent=\z@
15153   \parfillskip=0pt \@plus 1fil
15154   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
15155 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
15156   \parindent=\z@
15157   \parfillskip=0pt \@plus 1fil
15158   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
15159 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
15160   \global\setbox
15161   \if@RTL@footnote
15162     \@mpfootinsv@r
15163   \else
15164     \@mpfootinsv@l
15165   \fi
15166   \vbox{%
15167     \unvbox
15168     \if@RTL@footnote
15169       \@mpfootinsv@r
15170     \else
15171       \@mpfootinsv@l
15172     \fi
15173     \let\ bidi@RTL@everypar\@empty
15174     \def\baselinestretch{\m@m@footnote@spacing}%
15175     \reset@font\foottextfont
15176     \hsize\columnwidth \@parboxrestore
15177     \protected@edef\@currentlabel{%
15178       \csname p@mpfootnote\endcsname\@thefnmark}%
15179     \setbox0=\vbox{\hsize=\maxdimen
15180       \color@begingroup
15181       \noindent \@parafootfmt{#1}%
15182       \color@endgroup}%
15183     \m@mungebox}\m@mmf@prepare}
15184 \newcommand{\@mpParafootnotetext}[1]{%
15185   \if@RTL@footnote
15186     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15187   \else

```



```

15188 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15189 \fi
15190 \global\setbox
15191 \if@RTL@footnote
15192 \@mpfootinsv@r
15193 \else
15194 \@mpfootinsv@l
15195 \fi
15196 \vbox{%
15197 \unvbox
15198 \if@RTL@footnote
15199 \@mpfootinsv@r
15200 \else
15201 \@mpfootinsv@l
15202 \fi
15203 \let\bidi@RTL@everypar\@empty
15204 \def\baselinestretch{\m@m@footnote@spacing}%
15205 \reset@font\foottextfont
15206 \hsize\columnwidth \@parboxrestore
15207 \protected@edef\@currentlabel{%
15208 \csname p@mpfootnote\endcsname\@thefnmark}%
15209 \setbox0=\vbox{\hsize=\maxdimen
15210 \color@begingroup
15211 \noindent \@parafootfmt{#1}%
15212 \color@endgroup}%
15213 \m@mungebox}\m@mmf@prepare}
15214 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
15215 \global\setbox\@mpfootinsv@l\vbox{%
15216 \unvbox\@mpfootinsv@l
15217 \let\bidi@RTL@everypar\@empty
15218 \def\baselinestretch{\m@m@footnote@spacing}%
15219 \reset@font\LTRfoottextfont
15220 \hsize\columnwidth \@parboxrestore
15221 \protected@edef\@currentlabel{%
15222 \csname p@mpfootnote\endcsname\@thefnmark}%
15223 \setbox0=\vbox{\hsize=\maxdimen
15224 \color@begingroup
15225 \noindent \@paraLTRfootfmt{#1}%
15226 \color@endgroup}%
15227 \m@mungebox}\m@mmf@prepare}
15228 \newcommand{\@mpParaLTRfootnotetext}[1]{%
15229 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15230 \global\setbox\@mpfootinsv@l\vbox{%
15231 \unvbox\@mpfootinsv@l
15232 \let\bidi@RTL@everypar\@empty
15233 \def\baselinestretch{\m@m@footnote@spacing}%
15234 \reset@font\LTRfoottextfont
15235 \hsize\columnwidth \@parboxrestore
15236 \protected@edef\@currentlabel{%
15237 \csname p@mpfootnote\endcsname\@thefnmark}%
15238 \setbox0=\vbox{\hsize=\maxdimen
15239 \color@begingroup
15240 \noindent \@paraLTRfootfmt{#1}%
15241 \color@endgroup}%

```



```

15242 \m@ungebox}\m@mfmf@prepare}
15243 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
15244 \global\setbox\@mpfootinsv@r\vbox{%
15245 \unvbox\@mpfootinsv@r
15246 \let\bidi@RTL@everypar\@empty
15247 \def\baselinestretch{\m@m@footnote@spacing}%
15248 \reset@font\RTLfoottextfont
15249 \hsize\columnwidth \@parboxrestore
15250 \protected@edef\@currentlabel{%
15251 \csname p@mpfootnote\endcsname\@thefnmark}%
15252 \setbox0=\vbox{\hsize=\maxdimen
15253 \color@begingroup
15254 \noindent \@paraRTLfootfmt{#1}%
15255 \color@endgroup}%
15256 \m@ungebox}\m@mfmf@prepare}
15257 \newcommand{\@mpParaRTLfootnotetext}[1]{%
15258 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15259 \global\setbox\@mpfootinsv@r\vbox{%
15260 \unvbox\@mpfootinsv@r
15261 \let\bidi@RTL@everypar\@empty
15262 \def\baselinestretch{\m@m@footnote@spacing}%
15263 \reset@font\RTLfoottextfont
15264 \hsize\columnwidth \@parboxrestore
15265 \protected@edef\@currentlabel{%
15266 \csname p@mpfootnote\endcsname\@thefnmark}%
15267 \setbox0=\vbox{\hsize=\maxdimen
15268 \color@begingroup
15269 \noindent \@paraRTLfootfmt{#1}%
15270 \color@endgroup}%
15271 \m@ungebox}\m@mfmf@prepare}
15272 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
15273 \@namedef{@para@footgroup#1}{%
15274 \unvbox\@nameuse{footins#1}
15275 \@RTLtrue
15276 \m@mmakehboxofhboxes
15277 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15278 \hsize\bidi@columnwidth
15279 \@parboxrestore
15280 \def\baselinestretch{\m@m@footnote@spacing}%
15281 \@nameuse{foottextfont#1}%
15282 \noindent\unhbox0\par}}
15283 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
15284 \@namedef{@para@LTRfootgroup#1}{%
15285 \unvbox\@nameuse{footins#1}
15286 \@RTLfalse
15287 \m@mmakehboxofhboxes
15288 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15289 \hsize\bidi@columnwidth
15290 \@parboxrestore
15291 \def\baselinestretch{\m@m@footnote@spacing}%
15292 \@nameuse{foottextfont#1}%
15293 \noindent\unhbox0\par}}
15294 \newcommand{\bidi@removexpafootskip}{%
15295 \advance\@tempkipa -\bidi@paraskip

```



```

15296 \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
15297 }
15298 \let\bidi@removexfootskip\relax
15299 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
15300 \@namedef{@mppara@footgroup#1}{%
15301 \unvbox\@nameuse{@mpfootins#1}
15302 \@RTLtrue
15303 \m@makehboxofhboxes
15304 \setbox0=\hbox{\unhbox0 \m@removehboxes}%
15305 \def\baselinestretch{\m@footnote@spacing}%
15306 \@nameuse{foottextfont#1}%
15307 \noindent\unhbox0\par}}
15308 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
15309 \@namedef{@mppara@LTRfootgroup#1}{%
15310 \unvbox\@nameuse{@mpfootins#1}
15311 \@RTLfalse
15312 \m@makehboxofhboxes
15313 \setbox0=\hbox{\unhbox0 \m@removehboxes}%
15314 \def\baselinestretch{\m@footnote@spacing}%
15315 \@nameuse{foottextfont#1}%
15316 \noindent\unhbox0\par}}
15317 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
15318 \@namedef{@para@footstart#1}{%
15319 \leftskip=\z@
15320 \rightskip=\z@
15321 \parindent=\z@
15322 }%
15323 }
15324 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
15325 \xdef\@freelist{\@freelist\@midlist}%
15326 \global\let\@midlist\@empty
15327 \@combinefloats}
15328 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
15329 \ifvbox\@kludgeins
15330 \@makespecialcolbox
15331 \else
15332 \setbox\@outputbox \vbox to\@colht{%
15333 \@texttop
15334 \dimen@ \dp\@outputbox
15335 \unvbox \@outputbox
15336 \vskip -\dimen@
15337 \@textbottom}%
15338 \fi}
15339 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
15340 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
15341 \boxmaxdepth\@maxdepth
15342 \@tempdima\dp\@cclv
15343 \unvbox\@cclv
15344 \vskip-\@tempdima
15345 \bidi@mopfn@bottom
15346 \vskip \skip\footins
15347 \color@begingroup
15348 \normalcolor
15349 \footnoterule

```



```

15350   \unvbox \footins
15351   \color@endgroup
15352   }%
15353 }
15354 \newcommand*{\bidi@mopfootnotebf}{%
15355   \setbox\@outputbox \vbox{%
15356     \boxmaxdepth\@maxdepth
15357     \unvbox\@outputbox
15358     \bidi@mopfn@bottom
15359     \vskip\skip\footins
15360     \color@begingroup
15361       \normalcolor
15362       \footnoterule
15363       \unvbox \footins
15364     \color@endgroup
15365   }%
15366 }
15367 \gdef\mem@makecol{%
15368   \m@m@makecolintro
15369   \m@mdoextrafeet
15370   \ifvoid\footins
15371     \setbox\@outputbox \box\@cclv
15372   \else
15373     \m@mopfootnote
15374     \fi
15375   \m@m@makecolfloats
15376   \m@m@makecoltext
15377   \global \maxdepth \@maxdepth}
15378 \gdef\bidi@makecolbf{%
15379   \m@m@makecolintro
15380   \m@mdoextrafeet
15381   \setbox\@outputbox \box\@cclv
15382   \m@m@makecolfloats
15383   \ifvoid\footins
15384   \else
15385     \bidi@mopfootnotebf
15386   \fi
15387   \m@m@makecoltext
15388   \global \maxdepth \@maxdepth}
15389 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
15390 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
15391 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
15392 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
15393 \FeetAboveFloat
15394 \FeetBelowRagged
15395 \def\bidi@reinserts#1{\ifvoid#1\else
15396   \ifnum\count\@currbox>\z@
15397     \advance\@pageht \ht#1%
15398     \advance\@pageht \skip#1%
15399     \advance\@pageht \dp#1%
15400   \fi
15401   \insert#1{\unvbox#1}%
15402 \fi
15403 }

```



```

15404 \def\ bidi@init@multi@footins#1{%
15405     \multiply\count#1\col@number
15406     \multiply\skip#1\col@number
15407 }
15408 \def\ bidi@reinsert@footnotes#1{\ifvoid#1\else
15409     \insert#1{\fi}
15410 \AtBeginDocument{%
15411     \bidi@preto\@doclearpage\m@mdoextrafeet
15412     \g@addto@macro\@reinserts{%
15413         \bidi@reinserts\footinsv@r
15414         \bidi@reinserts\footinsv@l
15415     }
15416     \bidi@floathook
15417     \g@addto@macro\@floatplacement{%
15418         \bidi@ifmulticol}{\bidi@floathook}%
15419     }%
15420     \if@bidi@csundef{multi@column@out}{%
15421         \@onlypreamble\bidi@init@multi@footins
15422         \let\bidi@ifmulticol\@secondoftwo
15423     }{%
15424         \bidi@preto\multi@column@out\m@mdoextrafeet
15425         \g@addto@macro\init@multi@footins{%
15426             \bidi@init@multi@footins\footinsv@r
15427             \bidi@init@multi@footins\footinsv@l
15428         }%
15429         \g@addto@macro\reinsert@footnotes{%
15430             \bidi@reinsert@footnotes\footinsv@r
15431             \bidi@reinsert@footnotes\footinsv@l
15432         }%
15433     }%
15434 }

```

87 File extreport-xetex-bidi.def

```

15435 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
15436 \renewcommand*\l@part[2]{%
15437     \ifnum \c@tocdepth >-2\relax
15438         \addpenalty{-\@highpenalty}%
15439         \addvspace{2.25em \@plus\p@}%
15440         \begingroup
15441             \setlength\@tempdima{3em}%
15442             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15443             \parfillskip -\@pnumwidth
15444             {\leavevmode
15445                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15446             \nobreak
15447             \global\@nobreaktrue
15448             \everypar{\global\@nobreakfalse\everypar{}}%
15449         \endgroup
15450     \fi}
15451 \renewcommand*\l@chapter[2]{%
15452     \ifnum \c@tocdepth >\m@ne
15453         \addpenalty{-\@highpenalty}%
15454         \vskip 1.0em \@plus\p@

```




```

15455 \setlength\@tempdima{1.5em}%
15456 \begingroup
15457 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15458 \parfillskip -\@pnumwidth
15459 \leavevmode \bfseries
15460 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15461 \hskip -\if@RTL\rightskip\else\leftskip\fi
15462 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15463 \penalty\@highpenalty
15464 \endgroup
15465 \fi}
15466 \def\@makechapterhead#1{%
15467 \vspace*{50\p@}%
15468 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15469 \ifnum \c@secnumdepth >\m@ne
15470 \huge\bfseries \@chapapp\space \thechapter
15471 \par\nobreak
15472 \vskip 20\p@
15473 \fi
15474 \interlinepenalty\@M
15475 \Huge \bfseries #1\par\nobreak
15476 \vskip 40\p@
15477 }}
15478 \def\@makeschapterhead#1{%
15479 \vspace*{50\p@}%
15480 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15481 \normalfont
15482 \interlinepenalty\@M
15483 \Huge \bfseries #1\par\nobreak
15484 \vskip 40\p@
15485 }}
15486 \renewcommand\left@footnoterule{%
15487 \kern-3\p@
15488 \hrule\@width.4\columnwidth
15489 \kern2.6\p@}
15490 \renewcommand\right@footnoterule{%
15491 \kern-3\p@
15492 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15493 \kern2.6\p@}
15494 \renewenvironment{thebibliography}[1]
15495 {\chapter*{\bibname
15496 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
15497 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15498 \bidi@thebibliography@font@hook%
15499 \list{\@biblabel{\@arabic\c@enumiv}}%
15500 {\settowidth\labelwidth{\@biblabel{#1}}%
15501 \leftmargin\labelwidth
15502 \advance\leftmargin\labelsep
15503 \@openbib@code
15504 \usecounter{enumiv}%
15505 \let\p@enumiv\@empty
15506 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15507 \sloppy\clubpenalty4000\widowpenalty4000%
15508 \sfcode`. \@m}

```



```

15509     {\def\@noitemerr
15510       {\@latex@warning{Empty `thebibliography' environment}}}%
15511       \endlist}
15512 \if@titlepage
15513 \renewcommand\maketitle{\begin{titlepage}%
15514 \let\footnotesize\small
15515 \let\right@footnoterule\relax
15516 \let\left@footnoterule\relax
15517 \let\textwidth@footnoterule\relax
15518 \let \footnote \thanks
15519 \null\vfil
15520 \vskip 60\p@
15521 \begin{center}%
15522   {\LARGE \@title \par}%
15523   \vskip 3em%
15524   {\large
15525     \lineskip .75em%
15526     \begin{tabular}[t]{c}%
15527       \@author
15528     \end{tabular}\par}%
15529     \vskip 1.5em%
15530     {\large \@date \par}%           % Set date in \large size.
15531 \end{center}\par
15532 \@thanks
15533 \vfil\null
15534 \end{titlepage}%
15535 \setcounter{footnote}{0}%
15536 \global\let\thanks\relax
15537 \global\let\maketitle\relax
15538 \global\let\@thanks\@empty
15539 \global\let\@author\@empty
15540 \global\let\@date\@empty
15541 \global\let\@title\@empty
15542 \global\let\title\relax
15543 \global\let\author\relax
15544 \global\let\date\relax
15545 \global\let\and\relax
15546 }
15547 \else
15548 \renewcommand\maketitle{\par
15549 \begingroup
15550   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15551   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15552   \long\def\@makefntext##1{\parindent 1em\noindent
15553     \hb@xt@1.8em{%
15554       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15555   \if@twocolumn
15556     \ifnum \col@number=\@one
15557       \@maketitle
15558     \else
15559       \twocolumn[\@maketitle]%
15560     \fi
15561   \else
15562     \newpage

```



```

15563     \global\@topnum\z@ % Prevents figures from going at top of page.
15564     \@maketitle
15565     \fi
15566     \thispagestyle{plain}\@thanks
15567 \endgroup
15568 \setcounter{footnote}{0}%
15569 \global\let\thanks\relax
15570 \global\let\maketitle\relax
15571 \global\let\@maketitle\relax
15572 \global\let\@thanks\@empty
15573 \global\let\@author\@empty
15574 \global\let\@date\@empty
15575 \global\let\@title\@empty
15576 \global\let\title\relax
15577 \global\let\author\relax
15578 \global\let\date\relax
15579 \global\let\and\relax
15580 }
15581 \def\@maketitle{%
15582 \newpage
15583 \null
15584 \vskip 2em%
15585 \begin{center}%
15586 \let \footnote \thanks
15587   {\LARGE \@title \par}%
15588   \vskip 1.5em%
15589   {\large
15590     \lineskip .5em%
15591     \begin{tabular}[t]{c}%
15592       \@author
15593     \end{tabular}\par}%
15594   \vskip 1em%
15595   {\large \@date}%
15596 \end{center}%
15597 \par
15598 \vskip 1.5em}
15599 \fi
15600 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
15601 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15602 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15603 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15604 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15605 \renewcommand\theequation{%
15606   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15607 \renewcommand\thefigure{%
15608   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
15609 \renewcommand\thetable{%
15610   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

88 File fancybox-xetex-bidi.def

```

15611 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
15612 \def\fancy@oval#1#2#3{%
15613   \boxmaxdepth \maxdimen

```



```

15614 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
15615 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
15616 \@ovxx#1\relax
15617 \advance\@ovxx-\@wholewidth
15618 \@ovyy#2\relax
15619 \advance\@ovyy-\@wholewidth
15620 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
15621 \advance\@tempdimb-2\p@
15622 \ifdim\@tempdimb>\the@cornersize\relax
15623 \@tempdimb=\the@cornersize
15624 \fi
15625 \@getcirc\@tempdimb
15626 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
15627 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
15628 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
15629 \@circlefnt
15630 \setbox\@tempboxa\hbox{\beginL%
15631 \if@ovr \@ovvert32\kern -\@tempdima \fi
15632 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
15633 \if@ovt \@ovhorz \kern -\@ovxx \fi
15634 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
15635 \advance\@ovdx\@ovro
15636 \advance\@ovdy\@ovro
15637 \advance\@ovxx\@wholewidth
15638 \wd\@tempboxa=\@ovxx
15639 \dp\@tempboxa=\z@}

```

89 File fancyhdr-xetex-bidi.def

```

15640 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
15641
15642 \let\f@nch@everypar\everypar
15643
15644 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
15645 \f@nch@vbox\headheight{\hbox
15646 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
15647 \parbox[b]{\headwidth}{\centering#3}\hfill
15648 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
15649
15650 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
15651 \f@nch@vbox\footskip{\footrule
15652 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
15653 \parbox[t]{\headwidth}{\centering#3}\hfill
15654 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}}#5}
15655

```

90 File fix2col-xetex-bidi.def

```

15656 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
15657 \def\RTL@outputdblcol{%
15658 \if@firstcolumn
15659 \global\@firstcolumnfalse
15660 \global\setbox\@leftcolumn\copy\@outputbox
15661 \splitmaxdepth\maxdimen

```



```

15662 \vbadness\maxdimen
15663 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15664 \toks@\expandafter{\topmark}%
15665 \xdef\@firstcoltopmark{\the\toks@}%
15666 \toks@\expandafter{\splitfirstmark}%
15667 \xdef\@firstcolfirstmark{\the\toks@}%
15668 \ifx\@firstcolfirstmark\@empty
15669 \global\let\@setmarks\relax
15670 \else
15671 \gdef\@setmarks{%
15672 \let\firstmark\@firstcolfirstmark
15673 \let\topmark\@firstcoltopmark}%
15674 \fi
15675 \else \global\@firstcolumntrue
15676 \setbox\@outputbox \vbox {\hbox to\textwidth {%
15677 \hskip \columnwidth
15678 \hfil \vrule width\columnseprule \hfil
15679 \hbox to\columnwidth {%
15680 \bidi@firstcolumn@status@write%
15681 \box\@leftcolumn \hss}%
15682 \hskip -\textwidth
15683 \hbox to\columnwidth{%
15684 \bidi@lastcolumn@status@write%
15685 \box\@outputbox \hss}%
15686 \hskip \columnsep
15687 \hskip \columnwidth }}%
15688 \@combinedblfloats \@setmarks \@outputpage
15689 \begingroup \@dblfloatplacement \@startdblcolumn
15690 \@whilesw\if@fcolmade \fi
15691 {\@outputpage \@startdblcolumn }\endgroup
15692 \fi}
15693 \def\LTR@outputdblcol{%
15694 \if@firstcolumn
15695 \global\@firstcolumnfalse
15696 \global\setbox\@leftcolumn\copy\@outputbox
15697 \splitmaxdepth\maxdimen
15698 \vbadness\maxdimen
15699 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15700 \toks@\expandafter{\topmark}%
15701 \xdef\@firstcoltopmark{\the\toks@}%
15702 \toks@\expandafter{\splitfirstmark}%
15703 \xdef\@firstcolfirstmark{\the\toks@}%
15704 \ifx\@firstcolfirstmark\@empty
15705 \global\let\@setmarks\relax
15706 \else
15707 \gdef\@setmarks{%
15708 \let\firstmark\@firstcolfirstmark
15709 \let\topmark\@firstcoltopmark}%
15710 \fi
15711 \else
15712 \global\@firstcolumntrue
15713 \setbox\@outputbox\vbox{%
15714 \hb@xt@\textwidth{%
15715 \hb@xt@\columnwidth{%

```



```

15716     \bidi@firstcolumn@status@write%
15717     \box@\leftcolumn \hss}%
15718     \hfil
15719     \vrule \@width\columnseprule
15720     \hfil
15721     \hb@xt@\columnwidth{%
15722     \bidi@lastcolumn@status@write%
15723     \box@\outputbox \hss}}}%
15724 \@combinedblfloats
15725   \setmarks
15726   \outputpage
15727   \begingroup
15728     \dblfloatplacement
15729     \startdblcolumn
15730     \@whilesw@if@colmade \fi{\@outputpage\@startdblcolumn}%
15731   \endgroup
15732 \fi}

```

91 File fleqn-xetex-bidi.def

```

15733 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX
15734 \renewcommand\{\relax
15735     \ifmmode\@badmath
15736     \else
15737     \begin{trivlist}%
15738     \@beginparpenalty\predisplaypenalty
15739     \@endparpenalty\postdisplaypenalty
15740     \item[]\leavevmode
15741     \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
15742     \hskip\mathindent\bgroup
15743     \fi}
15744 \renewcommand\{\relax
15745     \ifmmode
15746     \egroup $\hfil% $
15747     \endL\egroup
15748     \end{trivlist}%
15749     \else \@badmath
15750     \fi}
15751 \renewenvironment{equation}%
15752   {\@beginparpenalty\predisplaypenalty
15753   \@endparpenalty\postdisplaypenalty
15754   \refstepcounter{equation}%
15755   \trivlist \item[]\leavevmode
15756   \hb@xt@\linewidth\bgroup\beginL $ \m@th% $
15757   \displaystyle
15758   \hskip\mathindent}%
15759   {$\hfil % $
15760   \displaywidth\linewidth\hbox{\@eqnnum}%
15761   \endL\egroup
15762   \endtrivlist}

```

92 File float-xetex-bidi.def

```

15763 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for X

```



```

15764 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@font #1:} #2}%
15765 \ifdim\wd\@tempboxa>\hsize {\@fs@font #1:} #2\par
15766 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
15767 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
15768 \expandafter\edef\csname the#1\endcsname{%
15769 \expandafter\noexpand\csname
15770 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
15771 {\PackageWarning{float}{Can't redefine counter variable for #1.}}

```

93 File floatrow-xetex-bidi.def

```

15772 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package]
15773 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
15774 \expandafter\edef\csname the\FB@captype\endcsname{%
15775 \expandafter\noexpand\csname
15776 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}%

```

94 File flowfram-xetex-bidi.def

```

15777 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package]
15778 \def\@outputdblcol{%
15779 \@nxtcol=\c@thisframe
15780 \c@curpg=\c@page
15781 \@g@tnextcol{\@nxtcol}%
15782 \if@ff@nwpg % next flow frame starts on new page
15783 \global\@firstcolumntrue
15784 \@setcolbox\c@thisframe
15785 \if@specialpage
15786 \global\@specialpagefalse
15787 \@nameuse{ps@\@specialstyle}\relax
15788 \fi
15789 \if@twoside
15790 \ifodd\count\z@
15791 \let\@thehead\@oddhead
15792 \let\@thefoot\@oddfoot
15793 \else
15794 \let\@thehead\@evenhead
15795 \let\@thefoot\@evenfoot
15796 \fi
15797 \else
15798 \let\@thehead\@oddhead
15799 \let\@thefoot\@oddfoot
15800 \fi
15801 \@beginindvi
15802 \@dodynamicthehead\@dynamicthefoot
15803 \vbadness=\@M
15804 \setbox\@outputbox\ vbox{\hbox to \textwidth{\@ff@do@allframes}}%
15805 \@combinedblfloats
15806 \@outputpage
15807 \advance\c@curpg by -\c@page\relax
15808 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
15809 \setbox\@outputbox\ vbox{\hbox to \textwidth{\@ff@do@allframes}}%
15810 \@outputpage}
15811 \beginingroup

```



```

15812 \dblfloatplacement
15813 \@startdblcolumn
15814 \@whilesw \if@colmade \fi
15815 {\@outputpage \@startdblcolumn }\endgroup
15816 \@resetst@tics
15817 \@resetdyn@mics
15818 \else % still on same page, save contents of box255
15819 \global\@firstcolumnfalse
15820 \@setcolbox@c@thisframe
15821 \fi
15822 \global\c@thisframe=\@nxtcol
15823 \@setcol{\c@thisframe}\relax
15824 \global\@colht\vsize
15825 }
15826 \def\@outputpage{%
15827 \begingroup
15828 \let\protect\noexpand
15829 \@resetactivechars
15830 \global\let\@if@newlist\if@newlist
15831 \global\@newlistfalse\@parboxrestore
15832 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
15833 \@bidi@beforeoutputpageshipouthook
15834 \shipout\vbox{\set@typeset@protect
15835 \aftergroup
15836 \endgroup
15837 \aftergroup
15838 \set@typeset@protect
15839 \reset@font\normalsize
15840 \@bidi@font@@outputpage
15841 \normalsfcodes
15842 \let\label\@gobble
15843 \let\index\@gobble
15844 \let\glossary\@gobble
15845 \baselineskip\z@skip
15846 \lineskip\z@skip
15847 \lineskiplimit\z@
15848 \vskip\topmargin\moveright\@themargin
15849 \vbox{%
15850 \global\let\@bidi@BeforeHeader\@firstofone
15851 \@bidi@beforeheaderhook
15852 \vskip\headheight
15853 \vskip\headsep
15854 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
15855 \@bidi@beforeoutputboxoutputpagehook
15856 \box\@outputbox
15857 \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
15858 \@bidi@afteroutputboxoutputpagehook
15859 }}%
15860 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
15861 \@bidi@afteroutputpageshipouthook
15862 \global\let\if@newlist\@if@newlist
15863 \stepcounter{page}%
15864 \setcounter{displayedframe}{0}%
15865 \let\firstmark\botmark

```




```

15866 \global\let\bidid@AtEndOutputPage\@firstofone
15867 \bidid@atendoutputpagehook
15868 }
15869
15870
15871 \newcommand*\bidis@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}{%
15872 \expandafter\bidicolor\ff@txtcol}}
15873
15874 \newcommand{\bidiff@box}[3]{\@ffbackground{\vbox to#2
15875 {\hb@xt@ #1{\hss{\bidis@tfftextcol #3}\hss}\vss\kern\z@}}}}
15876
15877
15878 \renewcommand*\@docolbox}[1]{%
15879 \edef\ff@frametype{%
15880 \csname @ff@frametype@\romannumeral#1\endcsname}%
15881 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
15882 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
15883 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
15884 \@ff@setoffset{#1}%
15885 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
15886 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
15887 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
15888 {\csname colheight\romannumeral#1\endcsname}{%
15889 \expandafter\box\csname column\romannumeral#1\endcsname}{%
15890 \csname\ff@frametype\endcsname}%
15891 }{%
15892 \bidiff@box{\csname colwidth\romannumeral#1\endcsname}%
15893 {\csname colheight\romannumeral#1\endcsname}{%
15894 \expandafter\box\csname column\romannumeral#1\endcsname}%
15895 }}}
15896 \@ifclassloaded{book}{%
15897 \renewcommand\theequation
15898 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15899 \renewcommand \thefigure
15900 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15901 \renewcommand \thetable
15902 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15903 \renewcommand \thechapter {\@arabic\c@chapter}
15904 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15905 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15906 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15907 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15908 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
15909 \@ifclassloaded{report}{%
15910 \renewcommand\theequation
15911 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15912 \renewcommand \thefigure
15913 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15914 \renewcommand \thetable
15915 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15916 \renewcommand \thechapter {\@arabic\c@chapter}
15917 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15918 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15919 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}

```



```

15920 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15921 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
15922 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
15923 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
15924 \else
15925 #2\relax
15926 \fi}

```

95 File footnote-xetex-bidi.def

```

15927 \ProvidesFile{footnote-xetex-bidi.def}[2023/01/18 v1.2 bidi footnote macros for XeTeX engine
15928 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
15929 \newif\ifbidi@autofooterule
15930 \def\bidi@mpfootnoterule{\footnoterule}
15931 \newcounter{footdir@label}
15932 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
15933 \newcommand*{\footdir@write}{%
15934 \stepcounter{footdir@label}%
15935 \zref@labelbyprops{\thefootdir@label}{abspage}%
15936 }
15937 \newif\iffootdir@debug
15938 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
15939 \newtoks\footdir@toks
15940 \newcommand*{\footdir@debug}[1]{%
15941 \iffootdir@debug
15942 \typeout{[footdir] #1}%
15943 \fi
15944 }
15945 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
15946 \newcommand*{\footdir@LeftRightElse}{%
15947 \ltx@ifundefined{footdir@the\value{zabspage}}{%
15948 \footdir@debug{abspage \the\value{zabspage}: else}%
15949 \ltx@thirdofthree
15950 }{%
15951 \if\csname footdir@the\value{zabspage}\endcsname L%
15952 \footdir@debug{abspage \the\value{zabspage}: left}%
15953 \expandafter\ltx@firstofthree
15954 \else
15955 \footdir@debug{abspage \the\value{zabspage}: right}%
15956 \expandafter\ltx@secondofthree
15957 \fi
15958 }%
15959 }%
15960 }{%
15961 \providecommand*\c@zabspage{\c@abspage}%
15962 \newcommand*{\footdir@LeftRightElse}{%
15963 \footdir@write
15964 \zifrefundefined{\thefootdir@label}{%
15965 \footdir@debug{abspage ??: else}%
15966 \ltx@thirdofthree
15967 }{%
15968 \edef\footdir@abspage{%
15969 \zref@extractdefault{\thefootdir@label}{abspage}{0}%
15970 }%

```



```

15971 \ltx@ifundefined{footdir@\footdir@abspage}{%
15972 \footdir@debug{\footdir@abspage: else}%
15973 \ltx@thirdofthree
15974 }{%
15975 \if\csname footdir@\footdir@abspage\endcsname L%
15976 \footdir@debug{\footdir@abspage: left}%
15977 \expandafter\ltx@firstofthree
15978 \else
15979 \footdir@debug{\footdir@abspage: right}%
15980 \expandafter\ltx@secondofthree
15981 \fi
15982 }%
15983 }%
15984 }%
15985 }%
15986 \newcommand*{\footdir@fntext}[1]{%
15987 \zifrefundefined{\thefootdir@label}{%
15988 }{%
15989 \edef\footdir@name{%
15990 footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
15991 }%
15992 \@ifundefined{\footdir@name}{%
15993 \expandafter\gdef\csname\footdir@name\endcsname{#1}%
15994 }{}}%
15995 }%
15996 }
15997
15998 \newcommand*{\footdir@temp}[3]{%
15999 \@ifdefinable{#1}{%
16000 \let#1#2%
16001 \renewcommand{#2}[1]{%
16002 \footdir@write
16003 \footdir@fntext{#3}%
16004 \stepcounter{footdir@label}%
16005 \footdir@fntext{#3}%
16006 \footdir@toks{##1}%
16007 \footdir@toks\expandafter{%
16008 \the\expandafter\footdir@toks
16009 \expandafter
16010 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
16011 }%
16012 \expandafter#1\expandafter{\the\footdir@toks}%
16013 }%
16014 }%
16015 }
16016
16017 \def\right@footnoterule{%
16018 \kern-3\p@
16019 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16020 \kern2.6\p@}
16021 \def\left@footnoterule{\kern-3\p@
16022 \hrule \@width .4\columnwidth \kern 2.6\p@}
16023 \def\textwidth@footnoterule{\kern-3\p@
16024 \hrule \@width \columnwidth \kern 2.6\p@}

```



```

16025 \def\leftfootnoterule{%
16026 \bidi@autofootnoterulefalse%
16027 \def\footnoterule{\left@footnoterule}}
16028 \let\LRfootnoterule=\leftfootnoterule
16029 \def\rightfootnoterule{%
16030 \bidi@autofootnoterulefalse%
16031 \def\footnoterule{\right@footnoterule}}
16032 \def\textwidthfootnoterule{%
16033 \bidi@autofootnoterulefalse%
16034 \def\footnoterule{\textwidth@footnoterule}}
16035
16036
16037
16038 \def\auto@footnoterule{%
16039 \footdir@LeftRightElse%
16040 \left@footnoterule%
16041 \right@footnoterule%
16042 \left@footnoterule%
16043 }
16044
16045
16046
16047 \def\autofootnoterule{%
16048 \bidi@autofootnoteruletrue%
16049 \def\footnoterule{\auto@footnoterule}%
16050 }
16051
16052 \newcommand*{\SplitFootnoteRule}{%
16053 \gdef\split@prev{0}
16054 \let\pagefootnoterule\footnoterule
16055 \let\mpfootnoterule\footnoterule
16056 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
16057 \def\footnoterule{\relax
16058 \ifx \@listdepth\@mplistdepth
16059 \mpfootnoterule
16060 \else
16061 \ifnum\split@prev=\z@
16062 \pagefootnoterule
16063 \else
16064 \splitfootnoterule
16065 \fi
16066 \xdef\split@prev{\the\insertpenalties}%
16067 \fi
16068 }%
16069 }
16070
16071
16072
16073
16074 \def\RTLfootnote{\@ifnextchar [\@xRTLfootnote{\stepcounter\@mpfn
16075 \protected@xdef\@thefnmark{\thempfn}}%
16076 \@footnotemark\@RTLfootnotetext}}
16077 \def\@xRTLfootnote[#1]{%
16078 \begingroup

```



```

16079     \csname c@\@mpfn\endcsname #1\relax
16080     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16081     \endgroup
16082     \@footnotemark\@RTLfootnotetext}
16083 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
16084     \protected@xdef\@thefnmark{\thempfn}%
16085     \@footnotemark\@LTRfootnotetext}}
16086 \def\@xLTRfootnote[#1]{%
16087     \begingroup
16088     \csname c@\@mpfn\endcsname #1\relax
16089     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16090     \endgroup
16091     \@footnotemark\@LTRfootnotetext}
16092
16093
16094 \def\setfootnoteRL{\@RTL@footnotetrue}
16095 \def\unsetfootnoteRL{\@RTL@footnotefalse}
16096 \def\setfootnoteLR{\unsetfootnoteRL}
16097
16098 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
16099 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
16100 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
16101
16102 \long\def\@footnotetext#1{\insert\footins{%
16103     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
16104     \reset@font%
16105     \bidi@footnotetext@font% \reset@font\footnotesize
16106     \interlinepenalty\interfootnotelinepenalty
16107     \splittopskip\footnotesep
16108     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16109     \hsize\columnwidth \@parboxrestore
16110     \protected@edef\@currentlabel{%
16111         \csname p@footnote\endcsname\@thefnmark
16112     }%
16113     \color@begingroup
16114         \@makefntext{%
16115             \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16116         \color@endgroup}}%
16117
16118
16119 \long\def\@RTLfootnotetext#1{\insert\footins{%
16120     \@RTLtrue%
16121     \reset@font%
16122     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
16123     \interlinepenalty\interfootnotelinepenalty
16124     \splittopskip\footnotesep
16125     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16126     \hsize\columnwidth \@parboxrestore
16127     \protected@edef\@currentlabel{%
16128         \csname p@footnote\endcsname\@thefnmark
16129     }%
16130     \color@begingroup
16131         \@makefntext{%
16132             \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%

```



```

16133   \color@endgroup}}%
16134
16135 \long\def\@LTRfootnotetext#1{\insert\footins{%
16136   \@RTLfalse%
16137   \reset@font%
16138   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
16139   \interlinepenalty\interfootnotelinepenalty
16140   \splittopskip\footnotesep
16141   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16142   \hsize\columnwidth \@parboxrestore
16143   \protected@edef\@currentlabel{%
16144     \csname p@footnote\endcsname\@thefnmark
16145   }%
16146   \color@begingroup
16147   \@makefntext{%
16148     \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16149   \color@endgroup}}%
16150
16151 \AtBeginDocument{%
16152 \ifRTL@footnote
16153   \newcommand*\bidi@footdir@footnote}{R}
16154 \else
16155   \newcommand*\bidi@footdir@footnote}{L}
16156 \fi%
16157 }
16158
16159 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
16160 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
16161 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
16162
16163 \long\def\@mpRTLfootnotetext#1{%
16164   \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
16165   \global\setbox\@mpfootins\vbox{%
16166     \unvbox\@mpfootins
16167     \@RTLtrue
16168     \reset@font%
16169     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
16170     \hsize\columnwidth
16171     \@parboxrestore
16172     \protected@edef\@currentlabel
16173       {\csname p@mpfootnote\endcsname\@thefnmark}%
16174     \color@begingroup
16175     \@makefntext{%
16176       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16177     \color@endgroup}}
16178 \long\def\@mpLTRfootnotetext#1{%
16179   \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
16180   \global\setbox\@mpfootins\vbox{%
16181     \unvbox\@mpfootins
16182     \@RTLfalse
16183     \reset@font%
16184     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
16185     \hsize\columnwidth
16186     \@parboxrestore

```



```

16187 \protected@edef\@currentlabel
16188     {\csname p@mpfootnote\endcsname\@thefnmark}%
16189 \color@begingroup
16190     \@makefnintext{%
16191         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16192     \color@endgroup}}
16193 \long\def\@mpfootnotetext#1{%
16194 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnote
16195 \global\setbox\@mpfootins\vbox{%
16196     \unvbox\@mpfootins
16197     \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
16198     \reset@font%
16199     \bidi@footnotetext@font% \reset@font\footnotesize
16200     \hsize\columnwidth
16201     \@parboxrestore
16202 \protected@edef\@currentlabel
16203     {\csname p@mpfootnote\endcsname\@thefnmark}%
16204 \color@begingroup
16205     \@makefnintext{%
16206         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16207     \color@endgroup}}
16208 \def\@iiiminipage#1#2[#3]#4{%
16209 \leavevmode
16210 \@pboxswfalse
16211 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
16212 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
16213 \setlength\@tempdima{#4}%
16214 \def\@mpargs{#1}#2[#3]#4}%
16215 \setbox\@tempboxa\vbox\bgroup
16216 \color@begingroup
16217 \hsize\@tempdima
16218 \textwidth\hsize \columnwidth\hsize
16219 \@parboxrestore
16220 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
16221 \let\@footnotetext\@mpfootnotetext
16222 \let\@LTRfootnotetext\@mpLTRfootnotetext
16223 \let\@RTLfootnotetext\@mpRTLfootnotetext
16224 \let\@listdepth\@mplistdepth \@mplistdepth\z@
16225 \@minipagerestore
16226 \@setminipage}
16227 \def\endminipage{%
16228 \par
16229 \unskip
16230 \ifvoid\@mpfootins\else
16231 \vskip\skip\@mpfootins
16232 \normalcolor
16233 \bidi@mpfootnoterule
16234 \unvbox\@mpfootins
16235 \fi
16236 \@minipagefalse %% added 24 May 89
16237 \color@endgroup
16238 \egroup
16239 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
16240 \def\LTRthanks#1{\footnotemark

```



```

16241 \protected@xdef \@thanks{\@thanks
16242 \protect\LTRfootnotetext [\the\c@footnote]{#1}}%
16243 }
16244 \def \LTRfootnotetext{%
16245 \@ifnextchar [\@xLTRfootnotenext
16246 {\protected@xdef\@thefnmark{\thempfn}%
16247 \@LTRfootnotetext}}
16248 \def \@xLTRfootnotenext [#1]{%
16249 \begingroup
16250 \csname c@\mpfn\endcsname #1\relax
16251 \unrestored@protected@xdef\@thefnmark{\thempfn}%
16252 \endgroup
16253 \@LTRfootnotetext}
16254 \def \RTLthanks#1{\footnotemark
16255 \protected@xdef \@thanks{\@thanks
16256 \protect\RTLfootnotetext [\the\c@footnote]{#1}}%
16257 }
16258 \let \@thanks \@empty
16259 \def \RTLfootnotetext{%
16260 \@ifnextchar [\@xRTLfootnotenext
16261 {\protected@xdef\@thefnmark{\thempfn}%
16262 \@RTLfootnotetext}}
16263 \def \@xRTLfootnotenext [#1]{%
16264 \begingroup
16265 \csname c@\mpfn\endcsname #1\relax
16266 \unrestored@protected@xdef\@thefnmark{\thempfn}%
16267 \endgroup
16268 \@RTLfootnotetext}
16269 \leftfootnoterule

```

96 File footnotebackref-xetex-bidi.def

```

16270 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
16271 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
16272 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
16273
16274 \renewcommand*\LTRfootnote{%
16275 \refstepcounter{BackrefHyperFootnoteCounter}%
16276 \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
16277 \label{\BackrefFootnoteTag}%
16278 \@ifnextchar [\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
16279
16280 \renewcommand*\RTLfootnote{%
16281 \refstepcounter{BackrefHyperFootnoteCounter}%
16282 \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
16283 \label{\BackrefFootnoteTag}%
16284 \@ifnextchar [\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
16285 \newcommand\Backref@HyperLTRFootnote[1]{%
16286 \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
16287
16288 \newcommand\Backref@HyperRTLFootnote[1]{%
16289 \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
16290
16291 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%

```




```

16292 \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
16293
16294 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
16295 \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
16296
16297 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
16298 \ifFootnoteBackref@numberlinked
16299 \renewcommand{\footfootmark}{%
16300 \ifdim\footmarkwidth < \z@
16301 \llap{\hb@xt@ -\footmarkwidth{%
16302 \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16303 \hspace*{-\footmarkwidth}}}%
16304 \else
16305 \ifdim\footmarkwidth = \z@
16306 {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16307 \else
16308 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16309 \fi
16310 \fi}
16311 \renewcommand{\LTRfootfootmark}{%
16312 \ifdim\footmarkwidth < \z@
16313 \llap{\hb@xt@ -\footmarkwidth{%
16314 \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16315 \hspace*{-\footmarkwidth}}}%
16316 \else
16317 \ifdim\footmarkwidth = \z@
16318 {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16319 \else
16320 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16321 \fi
16322 \fi}
16323 \renewcommand{\RTLfootfootmark}{%
16324 \ifdim\footmarkwidth < \z@
16325 \llap{\hb@xt@ -\footmarkwidth{%
16326 \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16327 \hspace*{-\footmarkwidth}}}%
16328 \else
16329 \ifdim\footmarkwidth = \z@
16330 {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16331 \else
16332 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16333 \fi
16334 \fi}
16335 \fi
16336 }

```

97 File framed-xetex-bidi.def

```

16337 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for
16338 \renewcommand\TitleBarFrame[3][\begingroup
16339 \ifx\delimiter#1\delimiter
16340 \let\TF@conlab\@empty
16341 \else
16342 \def\TF@conlab{% continuation label

```



```

16343     \nointerlineskip
16344     \smash{\rlap{\kern\wd@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
16345 \fi
16346 %\let\TF@savecolor\current@color
16347 \textcolor{TFFrameColor}{%
16348 \CustomFBox
16349   {\TF@Title{#2}}{\TF@conlab}}%
16350   \fboxrule\fboxrule\fboxrule\fboxrule
16351   %{\let\current@color\TF@savecolor\set@color #3}%
16352   {\normalcolor #3}%
16353 } \endgroup
16354 }
16355 \renewenvironment{titled-frame}[1]{%
16356   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
16357     \TitleBarFrame{\textbf{#1}}}%
16358   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
16359     \TitleBarFrame[ $\if@RTL\blacktriangleleft$ \else $\blacktriangleright$ \fi$]{\textbf{#1}}}%
16360   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
16361     \TitleBarFrame[ $\if@RTL\blacktriangleleft$ \else $\blacktriangleright$ \fi$]{\textbf{#1} (cont)}
16362   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
16363     \TitleBarFrame{\textbf{#1} (cont)}}}%
16364   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
16365 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
16366 % could interfere with the width measurement.
16367 {\endMakeFramed}
16368 \chardef\FrameRestore=\catcode\| % for debug
16369 \catcode\|=\catcode\% % (debug: insert space after backslash)
16370 \def\fb@put@frame#1#2{\relax
16371 \ifdim\pagegoal=\maxdimen \pagegoal\vszize \fi
16372 | \message{===== Entering putframe =====^^J
16373 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
16374 \ifinner
16375   \fb@putboxa#1%
16376   \fb@afterframe
16377 \else
16378   \dimen@pagegoal \advance\dimen@-\pagetotal % natural space left on page
16379   \ifdim\dimen@<2\baselineskip % Too little room on page
16380 | \message{Page has only \the\dimen@\space room left; eject.}%
16381   \eject \fb@adjheight \fb@put@frame#1#2%
16382 \else % there's appreciable room left on the page
16383   \fb@sizeofframe#1%
16384 | \message{\string\pagetotal=\the\pagetotal,
16385 | \string\pagegoal=\the\pagegoal,
16386 | \string\pagestretch=\the\pagestretch,
16387 | \string\pageshrink=\the\pageshrink,
16388 | \string\fb@frh=\the\fb@frh. \space}
16389 | \message{^^JBox of size \the\ht@tempboxa\space}%
16390 \begingroup % temporarily set \dimen@ to be...
16391 \advance\dimen@.8\pageshrink % maximum space available on page
16392 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
16393 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
16394 \expandafter\endgroup
16395 % expand \ifdim, then restore \dimen@ to real room left on page
16396 \ifdim\dimen@>\ht@tempboxa % whole box does fit

```



```

16397 | \message{fits in \the\dimen@. }%
16398 | % ToDo: Change this to use vsplit anyway to capture the marks
16399 | % MERGE THIS WITH THE else CLAUSE!!!
16400 | \fb@putboxa#1%
16401 | \fb@afterframe
16402 | \else % box must be split
16403 | \message{must be split to fit in \the\dimen@. }%
16404 | % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
16405 | \fb@sizeofframe#2%
16406 | \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
16407 | \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
16408 | \kern137sp\kern-137sp\penalty-30
16409 | \unvbox\@tempboxa}%
16410 | \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
16411 | \splittopskip\the\splittopskip}%
16412 | \boxmaxdepth\z@ \splittopskip\z@
16413 | \message{^^J Padded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
16414 | % Split box here
16415 | \setbox\tw@vsplit\@tempboxa to\dimen@
16416 | \toks99\expandafter{\splitfirstmark}%
16417 | \toks98\expandafter{\splitbotmark}%
16418 | \message{Marks are: \the\toks99, \the\toks98. }%
16419 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
16420 | \message{Natural height of split box is \the\ht\tw@, leaving
16421 | \the\ht\@tempboxa\space remainder. }%
16422 | % If the split-to size > (\vsize-\topskip), then set box to full size.
16423 | \begingroup
16424 | \advance\dimen@\topskip
16425 | \expandafter\endgroup
16426 | \ifdim\dimen@>\pagegoal
16427 | \message{Frame is big -- Use up the full column. }%
16428 | \dimen@ii\pagegoal
16429 | \advance\dimen@ii -\topskip
16430 | \advance\dimen@ii \FrameHeightAdjust\relax
16431 | \else % suspect this is implemented incorrectly:
16432 | % If the split-to size > feasible room_on_page, rebox it smaller.
16433 | \advance\dimen@.8\pageshrink
16434 | \ifdim\ht\tw@>\dimen@
16435 | \message{Box too tall; rebox it to \the\dimen@. }%
16436 | \dimen@ii\dimen@
16437 | \else % use natural size
16438 | \dimen@ii\ht\tw@
16439 | \fi
16440 | \fi
16441 | % Re-box contents to desired size \dimen@ii
16442 | \advance\dimen@ii -\fb@frh
16443 | \setbox\tw@\vbox to\dimen@ii \bgroup
16444 | % remove simulated frame and page flexibility:
16445 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
16446 | \unvbox\tw@ \unpenalty\unpenalty
16447 | \ifdim\lastkern=-137sp % whole box went to next page
16448 | \message{box split at beginning! }%
16449 | % need work here???
16450 | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)

```



```

16451         \fb@adjheight
16452         \fb@put@frame#1#2% INSERTED ???
16453     \else % Got material split off at the head
16454         \egroup \fb@resto@set
16455         \ifvoid\@tempboxa % it all fit after all
16456 |         \message{box split at end! }%
16457         \setbox\@tempboxa\box\tw@
16458         \fb@putboxa#1%
16459         \fb@afterframe
16460     \else % it really did split
16461 |         \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
16462         \ifdim\wd\tw@>\z@
16463             \wd\tw@\wd\@tempboxa
16464             \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
16465         \else
16466 |         \message{Zero width means likely blank. Don't frame it (guess)}%
16467         \box\tw@
16468         \fi
16469         \hrule \@height\z@ \@width\hsize
16470         \eject
16471         \fb@adjheight
16472         \fb@put@frame\LastFrameCommand\MidFrameCommand
16473     \fi\fi\fi\fi\fi
16474 }
16475 \def\fb@putboxa#1{%
16476     \ifvoid\@tempboxa
16477         \PackageWarning{framed}{Boxa is void -- discard it. }%
16478     \else
16479 |     \message{Frame and place boxa. }%
16480 |     %{\showoutput\showbox\@tempboxa}%
16481     \centerline{#1{\hboxL{\box\@tempboxa}}}%
16482     \fi
16483 }
16484 \catcode`\|= \FrameRestore
16485 \def\FrameRestore{%
16486     \let\if@nobreak\iffalse
16487     \let\if@noskipsec\iffalse
16488     \let\-\@dischph
16489     \let'\@acci\let\`@\accii\let\=\@acciii
16490     % \message{FrameRestore:
16491     %     \@totalleftmargin=\the \@totalleftmargin,
16492     %     \rightmargin=\the\rightmargin,
16493     %     \@listdepth=\the\@listdepth. }%
16494     % Test if we are in a list (or list-like paragraph)
16495     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
16496         \ifdim\rightmargin>\z@ 1\fi
16497         \ifnum\@listdepth>\z@ 1\fi 0>\z@
16498     %     \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftm
16499     %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
16500     %     \labelwidth=\the\labelwidth. }%
16501     \@setminipage % snug fit around the item
16502     % Now try to propageate changes of width from \hsize to list parameters.
16503     % This is deficient, but a more advanced way to indicate modification to text
16504     % dimensions is not (yet) provided; in particular, no separate left/right

```



```

16505     % adjustment.
16506     \advance\linewidth-\columnwidth \advance\linewidth\hsize
16507     \parshape\@ne \@totalleftmargin \linewidth
16508 \else % Not in list
16509     \linewidth=\hsize
16510     %\message{No list, set \string\linewidth=\the\hsize. }%
16511     \fi
16512     \sloppy
16513 }

```

98 File `ftnright-xetex-bidi.def`

```

16514 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
16515
16516 \def\prepare@bidi@copyins{%
16517   \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
16518   \global\skip\@bidi@copyins@\z@
16519   \global\count\@bidi@copyins@\z@
16520   \global\dimen\@bidi@copyins@\textheight}
16521
16522 \newskip\bidi@rcol@copyinsskip
16523
16524 \def\LTR@outputdblcol{%
16525   \if@firstcolumn
16526     \global\@firstcolumnfalse
16527     \global\setbox\@leftcolumn\copy\@outputbox
16528     \global\count\footins\@m
16529     \global\skip\footins\rcol@footinsskip
16530     \global\count\@bidi@copyins@\@m
16531     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
16532     \splitmaxdepth\maxdimen
16533     \vbadness\maxdimen
16534     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16535     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16536     \toks@\expandafter{\topmark}%
16537     \xdef\@firstcoltopmark{\the\toks@}%
16538     \toks@\expandafter{\splitfirstmark}%
16539     \xdef\@firstcolfirstmark{\the\toks@}%
16540     \ifx\@firstcolfirstmark\@empty
16541       \global\let\@setmarks\relax
16542     \else
16543       \gdef\@setmarks{%
16544         \let\firstmark\@firstcolfirstmark
16545         \let\topmark\@firstcoltopmark}%
16546     \fi
16547   \else
16548     \preparefootins
16549     \prepare@bidi@copyins
16550     \global\@firstcolumntrue
16551     \setbox\@outputbox\vbox{%
16552       \hb@xt@\textwidth{%
16553         \hb@xt@\columnwidth{%
16554           \bidi@firstcolumn@status@write%
16555           \box\@leftcolumn \hss}%

```



```

16556     \hfil
16557     {\normalcolor\vrule \@width\columnseprule}%
16558     \hfil
16559     \hb@xt@\columnwidth{%
16560     \bidi@lastcolumn@status@write%
16561     \box\@outputbox \hss}}}%
16562 \@combinedblfloats
16563     \@setmarks
16564     \@outputpage
16565     \begingroup
16566     \@dblfloatplacement
16567     \@startdblcolumn
16568     \@whilesw@if@fcolmade \fi{\@outputpage
16569     \@startdblcolumn}%
16570     \endgroup
16571 \fi}%
16572
16573 \def\RTL@outputdblcol{%
16574 \if@firstcolumn
16575     \global\@firstcolumnfalse
16576     \global\setbox\@leftcolumn\copy\@outputbox
16577     \global\count\footins\@m
16578     \global\skip\footins\rcol@footinsskip
16579     \global\count\@bidi@copyins\@m
16580     \global\skip\@bidi@copyins\@bidi@rcol@copyinsskip
16581     \splitmaxdepth\maxdimen
16582     \vbadness\maxdimen
16583     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16584     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16585     \toks@\expandafter{\topmark}%
16586     \xdef\@firstcoltopmark{\the\toks@}%
16587     \toks@\expandafter{\splitfirstmark}%
16588     \xdef\@firstcolfirstmark{\the\toks@}%
16589     \ifx\@firstcolfirstmark\@empty
16590     \global\let\@setmarks\relax
16591     \else
16592     \gdef\@setmarks{%
16593     \let\firstmark\@firstcolfirstmark
16594     \let\topmark\@firstcoltopmark}%
16595     \fi
16596 \else
16597     \preparefootins
16598     \prepare@bidi@copyins
16599     \global\@firstcolumntrue
16600     \setbox\@outputbox\vbox{%
16601     \hb@xt@\textwidth{%
16602     \hskip \columnwidth
16603     \hfil
16604     {\normalcolor\vrule \@width\columnseprule}%
16605     \hfil
16606     \hb@xt@\columnwidth{%
16607     \bidi@firstcolumn@status@write%
16608     \box\@leftcolumn \hss}%
16609     \hskip -\textwidth

```



```

16610      \hb@xt@\columnwidth{%
16611      \bidi@lastcolumn@status@write%
16612      \box\@outputbox \hss}%
16613      \hskip \columnsep
16614      \hskip \columnwidth }}%
16615 \@combinedblfloats
16616   \setmarks
16617   \@outputpage
16618   \begingroup
16619     \dblfloatplacement
16620     \@startdblcolumn
16621     \@whilesw\if@fcolmade \fi{\@outputpage
16622     \@startdblcolumn}%
16623   \endgroup
16624 \fi}%
16625
16626 \def\@startcolumn{%
16627 \ifx\@deferlist\@empty
16628   \global\@fcolmadefalse
16629   \global\@colroom\@colht
16630 \else
16631   \ifvoid\footins\else
16632     \ftn@amount\ht\footins
16633     \advance\ftn@amount\dp\footins
16634     \advance\ftn@amount\skip\footins
16635   \fi
16636   \ifvoid\@bidi@copyins@\else
16637     \bidi@copyins@amount\ht\@bidi@copyins@
16638     \advance\bidi@copyins@amount\dp\@bidi@copyins@
16639     \advance\bidi@copyins@amount\skip\@bidi@copyins@
16640   \fi
16641   \global\advance\@colht-\ftn@amount
16642   \global\advance\@colht-\bidi@copyins@amount
16643   \global\@colroom\@colht
16644   \@xstartcol
16645   \global\advance\@colht\ftn@amount
16646   \global\advance\@colroom\ftn@amount
16647   \global\advance\@colht\bidi@copyins@amount
16648   \global\advance\@colroom\bidi@copyins@amount
16649 \fi
16650 \if@fcolmade
16651   \setbox\@cclv\box\@outputbox
16652   \@makecol
16653 \else
16654   \ifvoid\footins\else
16655     \insert\footins{\unvbox\footins}\fi
16656   \ifvoid\@bidi@copyins@\else
16657     \insert\@bidi@copyins@{\unvbox\@bidi@copyins@}\fi
16658 \fi}
16659
16660 \newdimen\bidi@copyins@amount
16661
16662 \def\@makecol{\if@firstcolumn
16663   \setbox\@outputbox\box\@cclv

```



```

16664 \if@twocolumn \else
16665   \ifvoid\footins \else
16666     \@latexerr{ftnright package
16667       used in one-column mode}%
16668   {The ftnright package was designed to
16669     work with LaTeX's standard^^Jtwocolumn
16670     option. It does *not* work with the
16671     multicol package.^^JSo please specify
16672     `twocolumn' in the
16673     \noexpand\documentclass command.}%
16674   \shipout\box\footins \fi
16675   \ifvoid\@bidi@copyins@ \else
16676     \@latexerr{ftnright package
16677       used in one-column mode}%
16678   {The ftnright package was designed to
16679     work with LaTeX's standard^^Jtwocolumn
16680     option. It does *not* work with the
16681     multicol package.^^JSo please specify
16682     `twocolumn' in the
16683     \noexpand\documentclass command.}%
16684   \shipout\box\@bidi@copyins@ \fi\fi
16685 \ifnum\insertpenalties>\z@
16686   \@latexerr{ftnright package
16687     scrambled footnotes}%
16688 {There is too much footnote material in
16689 the first column and ftnright^^Jis
16690 unable to cope with this.^^JYou need
16691 to reduce the amount to get a properly
16692 formatted page.}%
16693 \fi
16694 \else
16695   \ifvoid\footins
16696     \ifvoid\@bidi@copyins@
16697       \setbox\@outputbox\box\@cclv
16698     \else
16699       \setbox\@outputbox\vbox
16700       {\ifvoid\@cclv \else
16701         \unvbox\@cclv
16702         \vskip \skip\@bidi@copyins@
16703       \fi
16704         \color@begingroup
16705         \normalcolor
16706         \unvbox \@bidi@copyins@
16707         \color@endgroup}%
16708   \fi
16709 \else
16710   \setbox\@outputbox\vbox
16711   {\ifvoid\@cclv \else
16712     \unvbox\@cclv
16713     \vskip\skip\footins\fi
16714     \color@begingroup
16715     \normalcolor
16716     \footnoterule\unvbox\footins
16717     \color@endgroup

```




```

16718     \ifvoid\@bidi@copyins@
16719     \else
16720         \vskip \skip\@bidi@copyins@
16721         \color@begingroup
16722         \normalcolor
16723         \unvbox \@bidi@copyins@
16724         \color@endgroup
16725     \fi
16726 }%
16727 \fi
16728 \fi
16729 \xdef\@freelist{\@freelist\@midlist}%
16730 \global \let \@midlist \@empty
16731 \@combinefloats
16732 \ifvbox\@kludgeins
16733     \@makespecialcolbox
16734 \else
16735     \setbox\@outputbox\vbox to\@colht
16736     {\boxmaxdepth\maxdepth
16737     \@texttop
16738     \@tempdima\dp\@outputbox
16739     \unvbox\@outputbox
16740     \vskip-\@tempdima
16741     \@textbottom}%
16742 \fi
16743 \global\maxdepth\@maxdepth}
16744
16745 \let\leftfootnoterule\@empty
16746 \let\rightfootnoterule\@empty
16747 \let\textwidthfootnoterule\@empty
16748 \let\autofootnoterule\@empty
16749 \let\footnoterule\@empty
16750 \long\def\@makefnmark#1{\parindent 1em
16751     \noindent\hbox to 2em{}}%
16752     \llap{\@thefnmark\hbox{.}\,\,}\,#1}
16753
16754 \setlength{\skip\@bidi@copyins@}
16755     {10pt plus 5pt minus 3pt}
16756 \AtBeginDocument{\prepare@bidi@copyins}

```

99 File graphicx-xetex-bidi.def

```

16757 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
16758 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
16759     \Grot@setangle{#1}%
16760     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL
16761     \Grot@x\z@
16762     \Grot@y\z@
16763     \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
16764 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16765     \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if
16766     \Grot@x\width \divide\Grot@x\tw@
16767     \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
16768     \setkeys{Grot}{#1}%

```



```

16769 \setbox\z@\box\@tempboxa
16770 \Grot@setangle{#2}%
16771 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16772 \@end@tempboxa}
16773 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16774 \leavevmode
16775 \def\Gscale@x{#1}\def\Gscale@y{#2}%
16776 \setbox\z@\hbox{#3}%
16777 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16778 \ifdim#2\p@<\z@
16779 \ht\tw@-#2\dp\z@
16780 \dp\tw@-#2\ht\z@
16781 \else
16782 \ht\tw@#2\ht\z@
16783 \dp\tw@#2\dp\z@
16784 \fi
16785 \ifdim#1\p@<\z@
16786 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16787 \else
16788 \wd\tw@#1\wd\z@
16789 \box\tw@
16790 \fi\ifmmode\else\if@RTL\endL\fi\fi}
16791 \def\Gin@iii[#1,#2][#3,#4]#5{%
16792 \begingroup
16793 \ifmmode\else\if@RTL\beginL\fi\fi
16794 \Gin@bboxttrue
16795 \Gin@defaultbp\Gin@llx{#1}%
16796 \Gin@defaultbp\Gin@lly{#2}%
16797 \Gin@defaultbp\Gin@urx{#3}%
16798 \Gin@defaultbp\Gin@ury{#4}%
16799 \Gin@include@graphics{#5}%
16800 \ifmmode\else\if@RTL\endL\fi\fi
16801 \endgroup}
16802 \def\Gin@ii[#1]#2{%
16803 \def\@tempa{[]}\def\@tempb{#2}%
16804 \ifx\@tempa\@tempb
16805 \def\@tempa{\Gin@iii[#1] []}%
16806 \expandafter\@tempa
16807 \else
16808 \begingroup
16809 \ifmmode\else\if@RTL\beginL\fi\fi
16810 \@tempswafalse
16811 \toks@{\Gin@include@graphics{#2}}%
16812 \setkeys{Gin}{#1}%
16813 \Gin@esetsize
16814 \the\toks@
16815 \ifmmode\else\if@RTL\endL\fi\fi
16816 \endgroup
16817 \fi}
16818 \def\reflectbox{\bidiGscale@box-1[1]}
16819 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16820 \leavevmode
16821 \def\Gscale@x{#1}\def\Gscale@y{#2}%
16822 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL

```



```

16823 \setbox\tw@hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16824 \ifdim#2\p@<\z@
16825   \ht\tw@-#2\dp\z@
16826   \dp\tw@-#2\ht\z@
16827 \else
16828   \ht\tw@#2\ht\z@
16829   \dp\tw@#2\dp\z@
16830 \fi
16831 \ifdim#1\p@<\z@
16832   \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@hss}%
16833 \else
16834   \wd\tw@#1\wd\z@
16835   \box\tw@
16836 \fi\ifmmode\else\if@RTL\endL\fi\fi}
16837 \def\scalebox#1{%
16838   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}]
16839 \def\resizebox{%
16840   \leavevmode
16841   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
16842 \def\bidiGscale@@box#1#2#3{%
16843   \let\@tempa\Gin@exclamation
16844   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
16845   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
16846   \ifx\@tempb\@tempa
16847     \ifx\@tempc\@tempa
16848       \toks@{\mbox}%
16849     \else
16850       \toks@{\bidiGscale@box@dd{#3}#1}%
16851     \fi
16852   \else
16853     \ifx\@tempc\@tempa
16854       \toks@{\bidiGscale@box@dd{#2}\width}%
16855     \else
16856       \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
16857     \fi
16858   \fi
16859   \the\toks@}
16860 \long\def\bidiGscale@box@dd#1#2#3{%
16861   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}
16862   \setlength\@tempdima{#1}%
16863   \setlength\@tempdimb{#2}%
16864   \Gscale@div\@tempa\@tempdima\@tempdimb
16865   \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
16866   \@end@tempboxa}
16867 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
16868   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}
16869   \setlength\@tempdima{#1}%
16870   \setlength\@tempdimb{#2}%
16871   \Gscale@div\@tempa\@tempdima\@tempdimb
16872   \setlength\@tempdima{#3}%
16873   \setlength\@tempdimb{#4}%
16874   \Gscale@div\@tempb\@tempdima\@tempdimb
16875   \ifGin@iso
16876     \ifdim\@tempa\p@>\@tempb\p@

```



```

16877     \let\@tempa\@tempb
16878     \else
16879     \let\@tempb\@tempa
16880     \fi
16881 \fi
16882 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
16883 \@end@tempboxa}

```

100 File geometry-xetex-bidi.def

```

16884 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
16885 \renewcommand*{\Gm@vrules@mpi}{%
16886 \if@RTLmain%
16887     \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
16888     \llap{\Gm@vrule}\ignorespaces
16889     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
16890     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
16891 \else%
16892 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
16893 \hskip \textwidth\Gm@vrule\hskip \marginparsep
16894 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
16895 \renewcommand*{\Gm@vrules@mpii}{%
16896 \if@RTLmain%
16897 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
16898 \hskip \textwidth\Gm@vrule\hskip \marginparsep
16899 \llap{\Gm@vrule}\hfil\Gm@vrule}%
16900 \else%
16901 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
16902 \llap{\Gm@vrule}\ignorespaces
16903 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
16904 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
16905 \bidi@patchcmd{\Gm@pageframes}{%
16906     \ifodd\count\z@
16907     \let\@themargin\oddsidemargin
16908     \else
16909     \let\@themargin\evensidemargin
16910     \fi
16911 }{%
16912     \ifodd\count\z@
16913     \if@RTLmain
16914     \let\@themargin\evensidemargin
16915     \else
16916     \let\@themargin\oddsidemargin
16917     \fi
16918     \else
16919     \if@RTLmain
16920     \let\@themargin\oddsidemargin
16921     \else
16922     \let\@themargin\evensidemargin
16923     \fi
16924     \fi
16925 }}{}

```



101 File hvfloat-xetex-bidi.def

```
16926 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package f
16927 \def\do@hvFloat[#1]#2#3{%
16928 \def\hv@shortCap{#1}
16929 \def\hv@longCap{#2}
16930 \def\hv@label{#3}
16931 %\newcommand*{\hvFloat}[5][ ]{%
16932 % [#1]: keyvalues
16933 % #2: type figure | table | ...
16934 % #3: float contents
16935 % [#4]: short caption
16936 % #5: caption
16937 % #6: label
16938 % \setDefault%
16939 % \def@tempa{#1}%
16940 % \ifx@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
16941 \def@tempa{90}%
16942 \ifx\hvSet@rotAngle@tempa \setlength{\hvMaxCapWidth}{\textheight}
16943 \else \setlength{\hvMaxCapWidth}{\linewidth}
16944 \fi
16945 %
16946 % First we save the object in \hvObjectBox
16947 %
16948 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
16949 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
16950 \else
16951 \savebox{\hvObjectBox}{%
16952 \rotatebox{\hvSet@objectAngle}{%
16953 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
16954 \fi
16955 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
16956 %
16957 % Now we save the caption with its defined \hvCapWidth
16958 %
16959 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
16960 \else
16961 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
16962 \else
16963 \setlength{\hvCapWidth}{\hvObjectWidth}
16964 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
16965 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
16966 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
16967 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
16968 \else
16969 \setlength{\hvCapWidth}{\hvMaxCapWidth}
16970 \fi
16971 \fi
16972 \fi
16973 %
16974 % now we have the object and the caption with the right
16975 % rotated angles saved in boxes
16976 %
16977 \def\fps@figure{\hvSet@floatPos}
```



```

16978 \ifhv@nonFloat\begin{group}% Start the nonfloat part
16979 \else \begin{\hv@floatType}% Start the floating environment
16980 \fi%
16981 \saveCaptionSkip% we put this space ourselves
16982 \ifx\hvSet@capAngle\hv@Width % need rotation?
16983 \sbox{\hvCaptionBox}{%
16984 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
16985 \ifhv@nonFloat%
16986 \ifhv@onlyText#2%
16987 \else%
16988 \ifx\hv@floatType\hv@figure
16989 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
16990 \else
16991 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
16992 \fi
16993 \fi
16994 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
16995 \fi%
16996 \label{#3}%
16997 \end{minipage}%
16998 }%
16999 \else%
17000 \sbox{\hvCaptionBox}{%
17001 \rotatebox{\hvSet@capAngle}{%
17002 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17003 \ifhv@nonFloat%
17004 \ifhv@onlyText#2%
17005 \else%
17006 \ifx\hv@floatType\hv@figure
17007 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
17008 \else
17009 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
17010 \fi
17011 \fi
17012 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
17013 \fi%
17014 \label{#3}%
17015 \end{minipage}%
17016 }%
17017 }%
17018 \fi%
17019 %%
17020 \restoreCaptionSkip% save old values
17021 \ifx\hvSet@objectPos\hv@Right\@bidi@raggedleft%
17022 \else%
17023 \ifx\hvSet@objectPos\hv@Center
17024 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
17025 \fi%
17026 \fi%
17027 %
17028 % to rotate object and caption together, we save all in another box
17029 % the caption comes first, if its on the left or the top
17030 %
17031 \savebox{\@tempboxa}{%

```



```

17032 \ifx\hvSet@capPos\hv@Left % caption on left side
17033 \if@RTL%
17034 \ifx\hvSet@capVPos\hv@Center%
17035 \ifhv@fbox
17036 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17037 \else
17038 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17039 \fi%
17040 \hspace{\hvSet@floatCapSep pt}%
17041 \ifhv@fbox
17042 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17043 \else
17044 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17045 \fi%
17046 \else%
17047 \ifx\hvSet@capVPos\hv@Top
17048 \ifhv@fbox
17049 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17050 \else
17051 \raisebox{-\height}{\usebox{\hvObjectBox}}%
17052 \fi%
17053 \hspace{\hvSet@floatCapSep pt}%
17054 \ifhv@fbox
17055 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17056 \else
17057 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17058 \fi
17059 \else
17060 \ifhv@fbox
17061 \fbox{\usebox{\hvObjectBox}}%
17062 \else
17063 \usebox{\hvObjectBox}%
17064 \fi
17065 \hspace{\hvSet@floatCapSep pt}%
17066 \ifhv@fbox
17067 \fbox{\usebox{\hvCaptionBox}}%
17068 \else
17069 \usebox{\hvCaptionBox}%
17070 \fi%
17071 \fi%
17072 \fi%
17073 \else% not RTL
17074 \ifx\hvSet@capVPos\hv@Center%
17075 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17076 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17077 \fi%
17078 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17079 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17080 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17081 \fi%
17082 \else%
17083 \ifx\hvSet@capVPos\hv@Top % caption at top
17084 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17085 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%

```



```

17086     \fi
17087     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17088     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17089     \else     \raisebox{-\height}{\usebox{\hvObjectBox}}%
17090     \fi%
17091 \else% caption on bottom
17092     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
17093         \else\usebox{\hvCaptionBox}
17094     \fi%
17095     \hspace{\hvSet@floatCapSep pt}%
17096     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
17097     \else     \usebox{\hvObjectBox}
17098     \fi%
17099 \fi%
17100 \fi% end of RTL
17101 \fi%
17102 \else
17103 \ifx\hvSet@capPos\hv@Top
17104 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17105 \begin{minipage}{\wd\hvCaptionBox}
17106 \else
17107 \begin{minipage}{\wd\hvObjectBox}
17108 \fi
17109 \centering
17110 \ifhv@fbox
17111 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
17112 \fbbox{\usebox{\hvObjectBox}}
17113 \else
17114 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
17115 \usebox{\hvObjectBox}
17116 \fi%
17117 \end{minipage}
17118 \else
17119 \ifx\hvSet@capPos\hv@Bottom
17120 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17121 \begin{minipage}{\wd\hvCaptionBox}
17122 \else
17123 \begin{minipage}{\wd\hvObjectBox}
17124 \fi
17125 \centering
17126 \ifhv@fbox
17127 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
17128 \fbbox{\usebox{\hvCaptionBox}}
17129 \else
17130 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
17131 \usebox{\hvCaptionBox}
17132 \fi%
17133 \end{minipage}
17134 \else% the last option: put the caption on the right
17135 \if@RTL%
17136     \ifx\hvSet@capVPos\hv@Center%
17137         \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17138         \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17139         \fi%

```




```

17140 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17141 \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}}
17142 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17143 \fi%
17144 \else%
17145 \ifx\hvSet@capVPos\hv@Top % caption at top
17146 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}}%
17147 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17148 \fi
17149 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17150 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}}%
17151 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
17152 \fi%
17153 \else% caption on bottom
17154 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
17155 \else\usebox{\hvCaptionBox}
17156 \fi%
17157 \hspace{\hvSet@floatCapSep pt}%
17158 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
17159 \else \usebox{\hvObjectBox}
17160 \fi%
17161 \fi%
17162 \fi%
17163 \else% not RTL
17164 \ifx\hvSet@capVPos\hv@Center%
17165 \ifhv@fbox
17166 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}}
17167 \else
17168 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17169 \fi%
17170 \hspace{\hvSet@floatCapSep pt}%
17171 \ifhv@fbox
17172 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}}%
17173 \else
17174 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17175 \fi%
17176 \else%
17177 \ifx\hvSet@capVPos\hv@Top
17178 \ifhv@fbox
17179 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}}%
17180 \else
17181 \raisebox{-\height}{\usebox{\hvObjectBox}}%
17182 \fi%
17183 \hspace{\hvSet@floatCapSep pt}%
17184 \ifhv@fbox
17185 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}}%
17186 \else
17187 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17188 \fi
17189 \else
17190 \ifhv@fbox
17191 \fbbox{\usebox{\hvObjectBox}}%
17192 \else
17193 \usebox{\hvObjectBox}%

```



```

17194 \fi
17195 \hspace{\hvSet@floatCapSep pt}%
17196 \ifhv@fbox
17197 \fbox{\usebox{\hvCaptionBox}}%
17198 \else
17199 \usebox{\hvCaptionBox}%
17200 \fi%
17201 \fi%
17202 \fi
17203 \fi% end of RTL
17204 \fi
17205 \fi
17206 \fi
17207 }% End savebox Object and caption
17208 %
17209 % now we rotate the object and caption, if needed
17210 %
17211 \ifx\hvSet@rotAngle\hv@Zero
17212 \usebox{\@tempboxa}
17213 \else
17214 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
17215 \fi
17216 \ifhv@nonFloat
17217 \ifx\hvSet@objectPos\hv@Center
17218 \ifhv@nonFloat
17219 \hspace{\fill}
17220 \fi
17221 \fi
17222 \endgroup% End the nonfloat part
17223 \else
17224 \end{\hv@floatType}% End the floating environment
17225 \fi
17226 }

```

102 File hyperref-xetex-bidi.def

```

17227 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
17228 \AtBeginDocument{%
17229 \def\contentsline#1#2#3#4{%
17230 \ifx\#4\%
17231 \csname l@#1\endcsname{#2}{#3}%
17232 \else
17233 \ifcase\Hy@linktoc % none
17234 \csname l@#1\endcsname{#2}{#3}%
17235 \or % section
17236 \csname l@#1\endcsname{%
17237 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17238 }{#3}%
17239 \or % page
17240 \csname l@#1\endcsname{#2}{#3}{%
17241 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17242 }%
17243 \else % all
17244 \csname l@#1\endcsname{%

```



```

17245     \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17246     }{%
17247     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17248     }%
17249     \fi
17250 \fi
17251 }
17252 \ifHy@hyperfootnotes
17253 \let\H@@footnotetext\@footnotetext
17254 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
17255 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
17256 \def\xfootnotenext[#1]{%
17257 \begingroup
17258 \csname c@\@mpfn\endcsname #1\relax
17259 \unrestored@protected@xdef\@thefnmark{\thempfn}%
17260 \endgroup
17261 \ifx\@footnotetext\@mpfootnotetext
17262 \expandafter\H@@mpfootnotetext
17263 \else
17264 \expandafter\H@@footnotetext
17265 \fi
17266 }%
17267 \def\@xRTLfootnotenext[#1]{%
17268 \begingroup
17269 \csname c@\@mpfn\endcsname #1\relax
17270 \unrestored@protected@xdef\@thefnmark{\thempfn}%
17271 \endgroup
17272 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
17273 \expandafter\HRTL@mpRTLfootnotetext
17274 \else
17275 \expandafter\HRTL@RTLfootnotetext
17276 \fi
17277 }%
17278 \def\@xLTRfootnotenext[#1]{%
17279 \begingroup
17280 \csname c@\@mpfn\endcsname #1\relax
17281 \unrestored@protected@xdef\@thefnmark{\thempfn}%
17282 \endgroup
17283 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
17284 \expandafter\HLTR@mpLTRfootnotetext
17285 \else
17286 \expandafter\HLTR@LTRfootnotetext
17287 \fi
17288 }%
17289 \def\xfootnotemark[#1]{%
17290 \begingroup
17291 \c@footnote #1\relax
17292 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
17293 \endgroup
17294 \H@@footnotemark
17295 }%
17296 \let\H@@mpfootnotetext\@mpfootnotetext
17297 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
17298 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext

```



```

17299 \long\def\@mpfootnotetext#1{%
17300 \H@mpfootnotetext{%
17301 \ifHy@nesting
17302 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17303 \else
17304 \Hy@raisedlink{%
17305 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17306 }#1%
17307 \fi
17308 }%
17309 }%
17310 \long\def\@mpRTLfootnotetext#1{%
17311 \HRTL@mpRTLfootnotetext{%
17312 \ifHy@nesting
17313 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17314 \else
17315 \Hy@raisedlink{%
17316 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17317 }#1%
17318 \fi
17319 }%
17320 }%
17321 \long\def\@mpLTRfootnotetext#1{%
17322 \HLTR@mpLTRfootnotetext{%
17323 \ifHy@nesting
17324 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17325 \else
17326 \Hy@raisedlink{%
17327 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17328 }#1%
17329 \fi
17330 }%
17331 }%
17332 \long\def\@footnotetext#1{%
17333 \H@footnotetext{%
17334 \ifHy@nesting
17335 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17336 \else
17337 \Hy@raisedlink{%
17338 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17339 }%
17340 \let\@currentHlabel\Hy@footnote@currentHlabel
17341 \let\@currentHref\Hy@footnote@currentHref
17342 \let\@currentlabelname\@empty
17343 #1%
17344 \fi
17345 }%
17346 }%
17347 \long\def\@RTLfootnotetext#1{%
17348 \HRTL@RTLfootnotetext{%
17349 \ifHy@nesting
17350 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17351 \else
17352 \Hy@raisedlink{%

```



```

17353         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17354     }%
17355     \let\@currentHlabel\Hy@footnote@currentHlabel
17356     \let\@currentHref\Hy@footnote@currentHref
17357     \let\@currentlabelname\@empty
17358     #1%
17359     \fi
17360 }%
17361 }%
17362 \long\def\@LTRfootnotetext#1{%
17363 \HLTR@@LTRfootnotetext{%
17364     \ifHy@nesting
17365         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17366     \else
17367         \Hy@raisedlink{%
17368             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17369         }%
17370         \let\@currentHlabel\Hy@footnote@currentHlabel
17371         \let\@currentHref\Hy@footnote@currentHref
17372         \let\@currentlabelname\@empty
17373         #1%
17374     \fi
17375 }%
17376 }%
17377 \@ifpackageloaded{tabularx}{%
17378 \let\HyOrg@TX@endtabularx\TX@endtabularx
17379 \def\Hy@tabularx@hook{%
17380     \let\@footnotetext\H@@footnotetext
17381     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
17382     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
17383     \let\@footnotemark\H@@footnotemark
17384     \let\@mpfootnotetext\H@@mpfootnotetext
17385     \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
17386     \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
17387 }%
17388 \begingroup
17389 \toks@\expandafter{\TX@endtabularx}%
17390 \xdef\Hy@gtemp{%
17391     \noexpand\Hy@tabularx@hook
17392     \the\toks@
17393 }%
17394 \endgroup
17395 \let\TX@endtabularx\Hy@gtemp
17396 }{}%
17397 \@ifpackageloaded{longtable}{%
17398 \CheckCommand*\LT@p@LTRftntext}[1]{%
17399     \edef\@tempa{%
17400         \the\LT@p@ftn
17401         \noexpand\LTRfootnotetext[\the\c@footnote]}%
17402     }%
17403     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17404 }%
17405 \long\def\LT@p@LTRftntext#1{%
17406     \edef\@tempa{%

```



```

17407     \the\LT@p@ftn
17408     \begingroup
17409         \noexpand\c@footnote=\the\c@footnote\relax
17410         \noexpand\protected@xdef\noexpand\@thefnmark{%
17411             \noexpand\thempfn
17412         }%
17413         \noexpand\Hy@LT@LTRfootnotetext{%
17414             \Hy@footnote@currentHref
17415         }%
17416     }%
17417     \global\LT@p@ftn\expandafter{%
17418         \@tempa{#1}%
17419     \endgroup
17420 }%
17421 }%
17422 \long\def\Hy@LT@LTRfootnotetext#1#2{%
17423     \HLTR@LTRfootnotetext{%
17424         \ifHy@nesting
17425             \hyper@@anchor{#1}{#2}%
17426         \else
17427             \Hy@raisedlink{%
17428                 \hyper@@anchor{#1}{\relax}%
17429             }%
17430             \def\@currentHref{#1}%
17431             \let\@currentlabelname\@empty
17432             #2%
17433         \fi
17434     }%
17435 }%
17436 \CheckCommand*{\LT@p@RTLftntext}[1]{%
17437     \edef\@tempa{%
17438         \the\LT@p@ftn
17439         \noexpand\RTLfootnotetext[\the\c@footnote]%
17440     }%
17441     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17442 }%
17443 \long\def\LT@p@RTLftntext#1{%
17444     \edef\@tempa{%
17445         \the\LT@p@ftn
17446     \begingroup
17447         \noexpand\c@footnote=\the\c@footnote\relax
17448         \noexpand\protected@xdef\noexpand\@thefnmark{%
17449             \noexpand\thempfn
17450         }%
17451         \noexpand\Hy@LT@RTLfootnotetext{%
17452             \Hy@footnote@currentHref
17453         }%
17454     }%
17455     \global\LT@p@ftn\expandafter{%
17456         \@tempa{#1}%
17457     \endgroup
17458 }%
17459 }%
17460 \long\def\Hy@LT@RTLfootnotetext#1#2{%

```



```

17461 \HRTL@RTLfootnotetext{%
17462   \ifHy@nesting
17463     \hyper@@anchor{#1}{#2}%
17464   \else
17465     \Hy@raisedlink{%
17466       \hyper@@anchor{#1}{\relax}%
17467     }%
17468     \def\@currentHref{#1}%
17469     \let\@currentlabelname\@empty
17470     #2%
17471   \fi
17472 }%
17473 }%
17474 }-{}%
17475 \@ifpackageloaded{bidipoem}{%
17476 \long\def\bidipoem@p@ftntext#1{%
17477   \edef\@tempx{%
17478     \the\bidipoem@p@ftn
17479   \begingroup
17480     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17481     \noexpand\protected@xdef\noexpand\@thefnmark{%
17482       \noexpand\thempfn
17483     }%
17484     \noexpand\Hy@bidipoem@footnotetext{%
17485       \Hy@footnote@currentHref
17486     }%
17487   }%
17488   \global\bidipoem@p@ftn\expandafter{%
17489     \@tempx{#1}%
17490   \endgroup
17491 }%
17492 }%
17493 \long\def\Hy@bidipoem@footnotetext#1#2{%
17494   \H@@@footnotetext{%
17495     \ifHy@nesting
17496       \hyper@@anchor{#1}{#2}%
17497     \else
17498       \Hy@raisedlink{%
17499         \hyper@@anchor{#1}{\relax}%
17500       }%
17501       \def\@currentHref{#1}%
17502       \let\@currentlabelname\@empty
17503       #2%
17504     \fi
17505   }%
17506 }%
17507 \long\def\bidipoem@p@LTRftntext#1{%
17508 \edef\@tempxi{%
17509   \the\bidipoem@p@ftn
17510 \begingroup
17511   \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17512   \noexpand\protected@xdef\noexpand\@thefnmark{%
17513     \noexpand\thempfn
17514   }%

```



```

17515         \noexpand\Hy@bidipoem@LTRfootnotetext{%
17516             \Hy@footnote@currentHref
17517         }%
17518     }%
17519     \global\bidipoem@p@ftn\expandafter{%
17520         \@tempxi{#1}%
17521     \endgroup
17522     }%
17523 }%
17524 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
17525     \HLTR@@LTRfootnotetext{%
17526         \ifHy@nesting
17527             \hyper@@anchor{#1}{#2}%
17528         \else
17529             \Hy@raisedlink{%
17530                 \hyper@@anchor{#1}{\relax}%
17531             }%
17532             \def\@currentHref{#1}%
17533             \let\@currentlabelname\@empty
17534             #2%
17535         \fi
17536     }%
17537 }%
17538 \long\def\bidipoem@p@RTLftntext#1{%
17539     \edef\@tempxi{i}%
17540     \the\bidipoem@p@ftn
17541     \begingroup
17542         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17543         \noexpand\protected@xdef\noexpand\@thefnmark{%
17544             \noexpand\thempfn
17545         }%
17546         \noexpand\Hy@bidipoem@RTLfootnotetext{%
17547             \Hy@footnote@currentHref
17548         }%
17549     }%
17550     \global\bidipoem@p@ftn\expandafter{%
17551         \@tempxi{#1}%
17552     \endgroup
17553     }%
17554 }%
17555 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
17556     \HRTL@@RTLfootnotetext{%
17557         \ifHy@nesting
17558             \hyper@@anchor{#1}{#2}%
17559         \else
17560             \Hy@raisedlink{%
17561                 \hyper@@anchor{#1}{\relax}%
17562             }%
17563             \def\@currentHref{#1}%
17564             \let\@currentlabelname\@empty
17565             #2%
17566         \fi
17567     }%
17568 }%

```




```

17569 }{ }%
17570 \let\HyOrg@maketitle\maketitle
17571 \def\maketitle{%
17572   \let\Hy@saved@footnotemark\@footnotemark
17573   \let\Hy@saved@footnotetext\@footnotetext
17574   \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
17575   \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
17576   \let\@footnotemark\H@\@footnotemark
17577   \let\@footnotetext\H@\@footnotetext
17578   \let\@RTLfootnotetext\HRTL@\@RTLfootnotetext
17579   \let\@LTRfootnotetext\HLTR@\@LTRfootnotetext
17580   \@ifnextchar[\Hy@maketitle@optarg{ } ]
17581   \HyOrg@maketitle
17582   \Hy@maketitle@end
17583 }%
17584 }%
17585 \def\Hy@maketitle@optarg[#1]{%
17586   \HyOrg@maketitle[#{#1}]%
17587   \Hy@maketitle@end
17588 }%
17589 \def\Hy@maketitle@end{%
17590   \ifx\@footnotemark\H@\@footnotemark
17591     \let\@footnotemark\Hy@saved@footnotemark
17592     \fi
17593     \ifx\@footnotetext\H@\@footnotetext
17594       \let\@footnotetext\Hy@saved@footnotetext
17595     \fi
17596     \ifx\@RTLfootnotetext\HRTL@\@RTLfootnotetext
17597       \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
17598     \fi
17599     \ifx\@LTRfootnotetext\HLTR@\@LTRfootnotetext
17600       \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
17601     \fi
17602 }%
17603 \def\realfootnote{%
17604   \@ifnextchar[\@xfootnote{%
17605     \stepcounter{\@mpfn}%
17606     \protected@xdef\@thefnmark{\thempfn}%
17607     \H@\@footnotemark\H@\@footnotetext
17608   }%
17609 }%
17610 \fi
17611 \def\Hy@BeginAnnot#1{%
17612   \ifmmode\else\beginL\fi%
17613   \global\advance\c@Hy@AnnotLevel\@ne
17614   \ifnum\c@Hy@AnnotLevel=\@ne
17615     #1%
17616   \fi
17617 }
17618 \def\Hy@EndAnnot{%
17619   \ifnum\c@Hy@AnnotLevel=\@ne
17620     \Hy@endcolorlink
17621     \@pdfm@mark{eann}%
17622   \fi

```



```

17623 \global\advance\c@Hy@AnnotLevel\m@ne
17624 \ifmmode\else\endL\fi%
17625 }
17626 \def\hyper@link#1#2#3{%
17627 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
17628 }
17629 \def\hyper@linkfile#1#2#3{%
17630 \leavevmode
17631 \Hy@BeginAnnot{%
17632 \def\Hy@pstringF{#2}%
17633 \Hy@CleanupFile\Hy@pstringF
17634 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
17635 \Hy@pstringdef\Hy@pstringD{#3}%
17636 \Hy@MakeRemoteAction
17637 \@pdfm@mark{%
17638 bann<<%
17639 /Type/Annot%
17640 /Subtype/Link%
17641 \ifHy@pdfa /F 4\fi
17642 \Hy@setpdfborder
17643 \ifx\@filebordercolor\relax
17644 \else
17645 /C[\@filebordercolor]%
17646 \fi
17647 /A<<%
17648 /S/GoToR%
17649 /F(\Hy@pstringF)%
17650 /D%
17651 \ifx\#3\%
17652 [\Hy@href@page\@pdfremotestartview]%
17653 \else
17654 (\Hy@pstringD)%
17655 \fi
17656 \Hy@SetNewWindow
17657 \Hy@href@nextactionraw
17658 >>%
17659 >>%
17660 }%
17661 \Hy@colorlink\@filecolor
17662 }%
17663 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17664 \Hy@endAnnot
17665 }
17666 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
17667 \leavevmode
17668 \Hy@BeginAnnot{%
17669 \Hy@pstringdef\Hy@pstringF{#1}%
17670 \Hy@pstringdef\Hy@pstringP{#3}%
17671 \@pdfm@mark{%
17672 bann<<%
17673 /Type/Annot%
17674 /Subtype/Link%
17675 \ifHy@pdfa /F 4\fi
17676 \Hy@setpdfborder

```



```

17677     \ifx\@runbordercolor\relax
17678     \else
17679         /C[\@runbordercolor]%
17680     \fi
17681     /A<<%
17682         /F(\Hy@pstringF)%
17683         /S/Launch%
17684         \Hy@SetNewWindow
17685         \ifx\#3\%
17686         \else
17687             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
17688         \fi
17689         \Hy@href@nextactionraw
17690     >>%
17691 >>%
17692 }%
17693 \Hy@colorlink\@runcolor
17694 }%
17695 \ifmode\else\if@RTL\beginR\fi\fi#2\ifmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17696 \Hy@EndAnnot
17697 }
17698 \def\hyper@linkurl#1#2{%
17699     \leavevmode
17700     \Hy@BeginAnnot{%
17701         \Hy@pstringdef\Hy@pstringURI{#2}%
17702         \@pdfm@mark{%
17703             bann<<%
17704                 /Type/Annot%
17705                 /Subtype/Link%
17706                 \ifHy@pdfa /F 4\fi
17707                 \Hy@setpdfborder
17708                 \ifx\@urlbordercolor\relax
17709                 \else
17710                     /C[\@urlbordercolor]%
17711                 \fi
17712                 /A<<%
17713                 /S/URI%
17714                 /URI(\Hy@pstringURI)%
17715                 \ifHy@href@ismap
17716                 /IsMap true%
17717                 \fi
17718                 \Hy@href@nextactionraw
17719             >>%
17720         >>%
17721     }%
17722     \Hy@colorlink\@urlcolor
17723 }%
17724 \ifmode\else\if@RTL\beginR\fi\fi#1\ifmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17725 \Hy@EndAnnot
17726 }
17727 \def\Acrobatmenu#1#2{%
17728     \Hy@Acrobatmenu{#1}{#2}%
17729     \Hy@BeginAnnot{%
17730         \EdefEscapeName\Hy@temp@menu{#1}%

```



```

17731 \pdfmark{%
17732   bann<<%
17733     /Type/Annot%
17734     /Subtype/Link%
17735     \ifHy@pdfa /F 4\fi
17736     \Hy@setpdfborder
17737     \ifx\@menubordercolor\relax
17738     \else
17739       /C[\@menubordercolor]%
17740     \fi
17741     /A<<%
17742     /S/Named%
17743     /N/\Hy@temp@menu
17744     \Hy@href@nextactionraw
17745     >>%
17746   >>%
17747   }%
17748   \Hy@colorlink\@menucolor
17749 }%
17750 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17751 \Hy@EndAnnot
17752 }%
17753 }
17754 \def\hyper@natlinkstart#1{%
17755   \Hy@backout{#1}%
17756   \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
17757   \def\hyper@nat@current{#1}%
17758 }
17759 \def\hyper@natlinkend{%
17760   \if@RTL\endR\fi\hyper@linkend
17761 }
17762 \def\hyper@natlinkbreak#1#2{%
17763   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
17764 }%
17765 }
17766 \pdfstringdefDisableCommands{%
17767   \let\LRE\@firstofone
17768   \let\LR\@firstofone
17769   \let\RLE\@firstofone
17770   \let\RL\@firstofone
17771   \def\XeTeX{XeTeX}%
17772   \def\XeLaTeX{XeLaTeX}%
17773 }
17774 \@ifpackageloaded{longtable}{%
17775   \begingroup
17776     \def\y{\LT@array}%
17777     \@ifundefined{scr@LT@array}{%
17778       \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
17779     }{\def\y{\scr@LT@array}}%
17780     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
17781       \expandafter\endgroup
17782       \expandafter\def\y[##1]##2{%
17783         \H@refstepcounter{#1}%
17784         \hyper@makecurrent{table}%

```



```

17785     \let\Hy@LT@currentHref\@currentHref
17786     #2\@sharp#####4%
17787     }%
17788     }%
17789 \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
17790 \begingroup
17791   \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
17792     \endgroup
17793     \def\LT@start{%
17794       #1%
17795       \ifvoid\LT@foot#2\fi
17796       \let\@currentHref\Hy@LT@currentHref
17797       \Hy@raisedlink{%
17798         \hyper@anchorstart{\@currentHref}\hyper@anchorend
17799       }%
17800       #3%
17801     }%
17802     }%
17803 \expandafter\x\LT@start\@nil
17804 }{}
17805 \bidi@patchcmd\@TextField{%
17806   \@pdfm@mark
17807 }{}%
17808 \if@RTL
17809   \hskip\Fld@width
17810 \fi
17811 \@pdfm@mark
17812 }{}{}
17813 \bidi@patchcmd\@TextField{%
17814   \unhbox
17815 }{}%
17816 \if@RTL
17817   \hskip-\Fld@width
17818 \fi
17819 \unhbox
17820 }{}{}
17821 \bidi@patchcmd\@@Radio{%
17822   \@pdfm@mark
17823 }{}%
17824 \if@RTL
17825   \hskip\Fld@width
17826 \fi
17827 \@pdfm@mark
17828 }{}{}
17829 \bidi@patchcmd\@@Radio{%
17830   \unhcopy
17831 }{}%
17832 \if@RTL
17833   \hskip-\Fld@width
17834 \fi
17835 \unhcopy
17836 }{}{}
17837 \bidi@patchcmd\@Submit{%
17838   \@pdfm@mark

```



```

17839 }{%
17840 \if@RTL
17841 \null
17842 \hskip\wd\pdfm@box
17843 \fi
17844 \@pdfm@mark
17845 }{}{}
17846 \bidi@patchcmd\@Submit{%
17847 \unhbox
17848 }{%
17849 \if@RTL
17850 \hskip-\wd\pdfm@box
17851 \fi
17852 \unhbox
17853 }{}{}
17854 \bidi@patchcmd\@Reset{%
17855 \@pdfm@mark
17856 }{%
17857 \if@RTL
17858 \null
17859 \hskip\wd\pdfm@box
17860 \fi
17861 \@pdfm@mark
17862 }{}{}
17863 \bidi@patchcmd\@Reset{%
17864 \unhbox
17865 }{%
17866 \if@RTL
17867 \hskip-\wd\pdfm@box
17868 \fi
17869 \unhbox
17870 }{}{}

```

103 File `imsproc-xetex-bidi.def`

```

17871 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class for
17872 \newenvironment{thebibliography}[1]{%
17873 \@bibtitlestyle
17874 \normalfont\bibliofont\labelsep .5em\relax
17875 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
17876 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17877 \bidi@thebibliography@font@hook
17878 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
17879 \leftmargin\labelwidth \advance\leftmargin\labelsep
17880 \usecounter{enumiv}}%
17881 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
17882 \sfcode`\.=\@m
17883 }{%
17884 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
17885 \endlist
17886 }
17887
17888 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
17889 \columnseprule\z@ \columnsep 35\p@

```



```

17890 \@indextitlestyle
17891 \thispagestyle{plain}%
17892 \let\item\@idxitem
17893 \parindent\z@ \parskip\z@\@plus.3\p@\relax
17894 \if@RTL\raggedleft\else\raggedright\fi
17895 \hyphenpenalty\@M
17896 \footnotesize}
17897 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
17898 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
17899 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
17900
17901 \def\right@footnoterule{%
17902 \kern-.4\p@
17903 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
17904 \kern11p@\kern-\footnotesep}
17905 \def\left@footnoterule{\kern-.4\p@
17906 \hrule\@width 5pc\kern11p@\kern-\footnotesep}
17907 \def\@makefnmark{%
17908 \leavevmode
17909 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
17910 }
17911
17912 \def\part{\@startsection{part}{0}%
17913 \z@\linespacing\@plus\linespacing}{.5\linespacing}%
17914 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
17915 \def\@tocline#1#2#3#4#5#6#7{\relax
17916 \ifnum #1>\c@tocdepth % then omit
17917 \else
17918 \par \addpenalty\@secpenalty\addvspace{#2}%
17919 \begingroup \hyphenpenalty\@M
17920 \@ifempty{#4}{%
17921 \@tempdima\c@tocindent\number#1\endcsname\relax
17922 }{%
17923 \@tempdima#4\relax
17924 }%
17925 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
17926 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
17927 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
17928 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
17929 \nobreak
17930 \endgroup
17931 \fi}
17932 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
17933 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
17934 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
17935 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
17936 \def\maketitle{\par
17937 \@topnum\z@ % this prevents figures from falling at the top of page 1
17938 \@setcopyright
17939 \thispagestyle{firstpage}% this sets first page specifications
17940 \uppercase\nonmath\shorttitle
17941 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
17942 \else \andify\shortauthors
17943 \fi

```



```

17944 \@maketitle@hook
17945 \begingroup
17946 \@maketitle
17947 \toks@{\xp{\shortauthors}\@temptokena\@xp{\shorttitle}}%
17948 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
17949 \edef\@tempa{%
17950   \@nx\markboth{\the\toks4
17951     \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
17952 \@tempa
17953 \endgroup
17954 \c@footnote\z@
17955 \@cleartopmattertags
17956 }

```

104 File leqno-xetex-bidi.def

```

17957 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
17958 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
17959   \rlap{\hskip -\displaywidth
17960     {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR}}

```

105 File letter-xetex-bidi.def

```

17961 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
17962 \renewcommand*\@opening[1]{\ifx\@empty\fromaddress
17963   \thispagestyle{firstpage}}%
17964   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}}%
17965 \else % home address
17966   \thispagestyle{empty}}%
17967   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r{}}\else\begin{tabular}{l{}}
17968     \fromaddress \*[2\parskip]%
17969     \@date \end{tabular}\par}}%
17970 \fi
17971 \vspace{2\parskip}}%
17972 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}}%
17973 \vspace{2\parskip}}%
17974 #1\par\nobreak}
17975 \renewcommand\left@footnoterule{%
17976   \kern-\p@
17977   \hrule \@width .4\columnwidth
17978   \kern .6\p@}
17979 \renewcommand\right@footnoterule{%
17980   \kern-\p@
17981   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17982   \kern .6\p@}

```

106 File lettrine-xetex-bidi.def

```

17983 \ProvidesFile{lettrine-xetex-bidi.def}[2022/11/06 v0.8 bidi adaptations for lettrine package]
17984 \def\@lettrine[#1]#2#3{%
17985   \def\l@initial{#2}\let\l@refstring\l@initial
17986   \setcounter{L@lines}{\value{DefaultLines}}%
17987   \setcounter{L@depth}{\value{DefaultDepth}}%
17988   \renewcommand*\L@hang{\DefaultLhang}}%

```




```

17989 \renewcommand*{\L@oversize}{\DefaultLoversize}%
17990 \renewcommand*{\L@raise}{\DefaultLraise}%
17991 \renewcommand*{\L@ante}{}%
17992 \setlength{\L@Findent}{\DefaultFindent}%
17993 \setlength{\L@Nindent}{\DefaultNindent}%
17994 \setlength{\L@slope}{\DefaultSlope}%
17995 \setlength{\L@novskip}{\DiscardVskip}%
17996 \ifLettrineImage\L@image>true\else\L@image>false\fi
17997 \ifLettrineOnGrid\L@grid>true\else\L@grid>false\fi
17998 \ifLettrineRealHeight\L@realh>true\else\L@realhf>false\fi
17999 \setkeys{L}{#1}%
18000 \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
18001 \ifL@realh
18002   \def\@tempa{#3}%
18003   \ifx\@tempa@empty
18004     \PackageWarning{lettrine.sty}%
18005       {Empty second argument,\MessageBreak
18006         ignoring option `realheight';}%
18007   \else
18008     \sbox{\L@tbox}{\LettrineTextFont{#3}}%
18009   \fi
18010 \fi
18011 \if\DefaultOptionsFile\relax
18012 \else
18013   \begingroup
18014     \InputIfFileExists{\DefaultOptionsFile}%
18015     {}%
18016     {\PackageWarning{lettrine.sty}%
18017       {File \DefaultOptionsFile\space not found}}%
18018     }%
18019   \def\color##1##{\l@color{##1}}%
18020   \let\l@color\@gobbletwo
18021   \def\textcolor##1##{\l@textcolor{##1}}%
18022   \def\l@textcolor##1##2##3{##3}%
18023   \expandafter\ifx\csname l@#2-keys\endcsname\relax
18024     \gdef\l@LOKeys{}%
18025   \else
18026     \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
18027   \fi
18028 \endgroup
18029 \def\KV@prefix{KV@L@}%
18030 \let\@tempc\relax
18031 \expandafter\KV@do\l@LOKeys,\relax,
18032 \setupL@lbox
18033 \setlength{\LettrineWidth}{\wd\L@lbox}%
18034 \def\KV@prefix{KV@L@}%
18035 \let\@tempc\relax
18036 \expandafter\KV@do\l@LOKeys,\relax,
18037 \setkeys{L}{#1}%
18038 \fi
18039 \setupL@lbox
18040 \setlength{\LettrineWidth}{\wd\L@lbox}%
18041 \setlength{\LettrineHeight}{\ht\L@lbox}%
18042 \setlength{\LettrineDepth}{\dp\L@lbox}%

```



```

18043 \begingroup
18044 \def\IeC##1{##1}%
18045 \@tempdima=\L@oversize pt\relax
18046 \PackageInfo{lettrine.sty}%
18047   {Targeted height = \the\L@target@tth\MessageBreak
18048   (for loversize=0, accent excluded),\MessageBreak
18049   Lettrine height = \the\LettrineHeight\space (#2)%
18050   \ifdim\@tempdima=\z@\else\space loversize=\L@oversize\fi;%
18051   \MessageBreak reported}%
18052 \endgroup
18053 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
18054 \setlength{\L@first}{\LettrineHeight}%
18055 \setlength{\L@lraise}{\L@raise\L@target@tth}%
18056 \addtolength{\L@first}{\L@lraise}%
18057 \ifnum\value{L@lines}=1
18058   \addtolength{\L@first}{-\ht\L@tbox}%
18059 \else
18060   \addtolength{\L@first}{-\L@target@tth}%
18061   \addtolength{\L@lraise}{-\L@target@dp}%
18062 \fi
18063 \par
18064 \ifdim\L@first>\L@novskip
18065   \ifL@grid
18066     \@tempdima=\baselineskip
18067     \@tempdimb=\@tempdima
18068     \advance\@tempdimb by \L@novskip
18069     \@tempcnta=1
18070     \loop\ifdim\L@first>\@tempdimb
18071       \advance\@tempcnta by 1
18072       \advance\L@first by -\@tempdima
18073     \repeat
18074     \L@first=\@tempcnta\baselineskip
18075   \fi
18076   \vskip\L@first
18077 \fi
18078 \setlength{\L@Pindent}{\wd\L@lbox}%
18079 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
18080 \settowidth{\L@first}{\L@ante}%
18081 \addtolength{\L@Pindent}{\L@first}%
18082 \addtolength{\L@Pindent}{\L@Findent}%
18083 \setlength{\L@first}{\linewidth}%
18084 \addtolength{\L@first}{-\L@Pindent}%
18085 \addtolength{\L@Nindent}{\L@Pindent}%
18086 \setlength{\L@next}{\linewidth}%
18087 \addtolength{\L@next}{-\L@Nindent}%
18088 \addtolength{\L@Pindent}{\@totalleftmargin}%
18089 \addtolength{\L@Nindent}{\@totalleftmargin}%
18090 \addtocounter{L@lines}{1}%
18091 \addtocounter{L@lines}{\value{L@depth}}%
18092 \if@RTL
18093   \def\L@parshape{\c@L@lines \z@ \the\L@first}%
18094 \else
18095   \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
18096 \fi

```



```

18097 \@tempcnta=\tw@
18098 \@whilenum \@tempcnta<\c@L@lines\do{%
18099   \if@RTL
18100     \edef\L@parshape{\L@parshape \z@ \the\L@next}%
18101   \else
18102     \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
18103   \fi
18104   \addtolength{\L@Nindent}{\L@slope}%
18105   \addtolength{\L@next}{-\L@slope}%
18106   \advance\@tempcnta\@ne}%
18107 \if@RTL
18108   \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
18109 \else
18110   \edef\L@parshape{\L@parshape \@totalleftmargin \the\linewidth}%
18111 \fi
18112 \noindent
18113 \parshape=\L@parshape\relax
18114 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
18115   \hskip \the\L@Findent}}%
18116 \usebox{\L@tbox}%
18117 \ifnum\@listdepth>0 \Lreset@listparshape \fi
18118 }
18119

```

107 File `lineno-xetex-bidi.def`

```

18120 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for
18121 \bidi@patchcmd{\MakeLineNo}{%
18122   \hb@xt@\z@{\makeLineNumber}%
18123 }{%
18124   \hboxL to \z@{\makeLineNumber}%
18125 }{}{}
18126
18127 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
18128   \if@RTL
18129     \hb@xt@\linewidthwidth{\LineNumber\hss}%
18130   \else
18131     \LineNumber
18132   \fi
18133 }{}{}
18134
18135 \bidi@patchcmd{\makeLineNumberRight}{%
18136   \hb@xt@\linewidthwidth{\hss\LineNumber}%
18137 }{%
18138   \if@RTL
18139     \LineNumber
18140   \else
18141     \hb@xt@\linewidthwidth{\hss\LineNumber}%
18142   \fi
18143 }{}{}
18144
18145 \bidi@AfterPreamble{%
18146   \if@RTLmain
18147     \rightlinenumbers*

```



```

18148 \else
18149   \leftlinenumbers*
18150 \fi
18151 \@ifpackagewith{lineno}{left}{%
18152   \leftlinenumbers*
18153 }{}
18154 \@ifpackagewith{lineno}{right}{%
18155   \rightlinenumbers*
18156 }{}
18157 }
18158

```

108 File listings-xetex-bidi.def

```

18159 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
18160 \lst@Key{captiondirection}{textdirection}{%
18161   \lstKV@SwitchCases{#1}%
18162   {textdirection:\\%
18163     RTL:\chardef\bidi@lst@caption@direction\@ne\\%
18164     LTR:\chardef\bidi@lst@caption@direction\z@%
18165   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18166
18167 \lst@Key{captionscript}{textscript}{%
18168   \lstKV@SwitchCases{#1}%
18169   {textscript:\\%
18170     latin:\chardef\bidi@lst@caption@script\@ne\\%
18171     nonlatin:\chardef\bidi@lst@caption@script\z@%
18172   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18173
18174 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
18175   \@ifundefined{bidi@lst@caption@direction}{}{%
18176     \ifnum\bidi@lst@caption@direction=\z@%
18177       #1%
18178     \else%
18179       \ifnum\bidi@lst@caption@direction=\@ne%
18180         #2%
18181       \fi%
18182     \fi%
18183 }}
18184
18185 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
18186   \@ifundefined{bidi@lst@caption@script}{}{%
18187     \ifnum\bidi@lst@caption@script=\z@%
18188       #1%
18189     \else%
18190       \ifnum\bidi@lst@caption@script=\@ne%
18191         #2%
18192       \fi%
18193     \fi%
18194 }}
18195
18196 \long\def\@bidi@lst@makecaption#1#2{%
18197   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18198   \vskip\abovecaptionskip

```



```

18199 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18200 \sbox\@tempboxa{%
18201 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
18202 #1: #2%
18203 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
18204 }%
18205 \ifdim \wd\@tempboxa >\hsize
18206 #1: #2\par
18207 \else
18208 \global \@minipagefalse
18209 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
18210 \fi
18211 \vskip\belowcaptionskip}%
18212 \def\lst@makecaption{\@bidi@lst@makecaption}
18213 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
18214 \bidi@AtEndPreamble{%
18215 \bidi@patchcmd{\lst@MakeCaption}{%
18216 \ifx #1%
18217 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
18218 \expandafter\refstepcounter
18219 \fi {lstlisting}%
18220 }{%
18221 \ifx #1%
18222 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18223 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
18224 \expandafter\refstepcounter
18225 \fi {lstlisting}%
18226 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
18227 }{}%
18228 \bidi@patchcmd{\lst@MakeCaption}{%
18229 \addcontentsline{lol}{lstlisting}%
18230 {\protect\numberline{\thelstlisting}\lst@@caption}%
18231 }{%
18232 \begingroup%
18233 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18234 \addcontentsline{lol}{lstlisting}%
18235 {\protect\numberline{\thelstlisting}\lst@@caption}%
18236 \endgroup%
18237 }{}%
18238 }
18239 \@ifpackageloaded{caption}{%
18240 \AtBeginCaption{%
18241 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18242 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18243 }
18244 \let\@bidi@lst@makecaption\caption@makecaption%
18245 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
18246 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
18247 }{%
18248 \AtBeginDocument{%
18249 \@ifundefined{captionlabelfalse}{}%
18250 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
18251 \@ifundefined{captionstartrue}{}%
18252 \def\lst@maketitle{\captionstartrue\@bidi@lst@makecaption\@empty}}%

```



```

18253 }%
18254 }
18255 \AtBeginDocument{
18256   \@ifundefined{thchapter}{\let\lst@ifnumberbychapter\iffalse}{}
18257   \lst@ifnumberbychapter
18258     \gdef\thelstlisting%
18259       {\ifnum \c@chapter>\z@ \thchapter\@SepMark\fi \@arabic\c@lstlisting}
18260   \else
18261     \gdef\thelstlisting{\@arabic\c@lstlisting}
18262   \fi}

```

109 File loadingorder-xetex-bidi.def

```

18263 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the las
18264 \bidi@isloaded{amsmath}
18265 \bidi@isloaded{amstext}
18266 \bidi@isloaded{amsthm}
18267 \bidi@isloaded{animate}
18268 \bidi@isloaded{breqn}
18269 \bidi@isloaded{cals}
18270 \bidi@isloaded{caption}
18271 \bidi@isloaded{crop}
18272 \bidi@isloaded{cuted}
18273 \bidi@isloaded{cutwin}
18274 \bidi@isloaded{color}
18275 \bidi@isloaded{dblfnote}
18276 \bidi@isloaded{diagbox}
18277 \bidi@isloaded{xcolor}
18278 \bidi@isloaded{colortbl}
18279 \bidi@isloaded{float}
18280 \bidi@isloaded{floatrow}
18281 \bidi@isloaded{flowfram}
18282 \bidi@isloaded{framed}
18283 \bidi@isloaded{ftnright}
18284 \bidi@isloaded{xltextra}
18285 \bidi@isloaded{xunicode}
18286 \bidi@isloaded{wrapfig}
18287 \bidi@isloaded{graphicx}
18288 \bidi@isloaded{geometry}
18289 \bidi@isloaded{hvfloat}
18290 \bidi@isloaded{mdframed}
18291 \bidi@isloaded{midfloat}
18292 \bidi@isloaded{ntheorem}
18293 \bidi@isloaded{ntheorem-hyper}
18294 \bidi@isloaded{hyperref}
18295 \bidi@isloaded{fancybox}
18296 \bidi@isloaded{fancyhdr}
18297 \bidi@isloaded{fix2col}
18298 \bidi@isloaded{draftwatermark}
18299 \bidi@isloaded{empheq}
18300 \bidi@isloaded{overpic}
18301 \bidi@isloaded{pdfpages}
18302 \bidi@isloaded{listings}
18303 \bidi@isloaded{lettrine}

```



```

18304 \bidi@isloaded{lineno}
18305 \bidi@isloaded{media9}
18306 \bidi@isloaded{pstricks}
18307 \bidi@isloaded{pgf}
18308 \bidi@isloaded{picinpar}
18309 \bidi@isloaded{quotchap}
18310 \bidi@isloaded{tikz}
18311 \bidi@isloaded{titlesec}
18312 \bidi@isloaded{titletoc}
18313 \bidi@isloaded{array}
18314 \bidi@isloaded{soul}
18315 \bidi@isloaded{stabular}
18316 \bidi@isloaded{subfig}
18317 \bidi@isloaded{subfigure}
18318 \bidi@isloaded{supertabular}
18319 \bidi@isloaded{xtab}
18320 \bidi@isloaded{longtable}
18321 \bidi@isloaded{arydshln}
18322 \bidi@isloaded{multicol}
18323 \bidi@isloaded{multienum}
18324 \bidi@isloaded{minitoc}
18325 \bidi@isloaded{natbib}
18326 \bidi@isloaded{newfloat}
18327 \bidi@isloaded{ragged2e}
18328 \bidi@isloaded{rotating}
18329 \bidi@isloaded{tabls}
18330 \bidi@isloaded{tabulary}
18331 \bidi@isloaded{tocbasic}
18332 \bidi@isloaded{tocstyle}
18333 \bidi@isloaded{tocbibind}
18334 \bidi@isloaded{fontspec}
18335 \bidi@isloaded{arabxetex}
18336 \bidi@isloaded{polyglossia}
18337 \bidi@isloaded{fancyvrb}
18338 \AtBeginDocument{
18339   \if@bidi@amsmathloaded@else
18340     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi pack
18341   \fi%
18342   \if@bidi@amstextloaded@else
18343     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi pack
18344   \fi%
18345   \if@bidi@amsthmloaded@else
18346     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packa
18347   \fi%
18348   \if@bidi@animateloaded@else
18349     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi pack
18350   \fi%
18351   \if@bidi@breqnloaded@else
18352     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packag
18353   \fi%
18354   \if@bidi@calsloaded@else
18355     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package
18356   \fi%
18357   \if@bidi@captionloaded@else

```



```

18358     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi pack
18359 \fi%
18360 \if@bidi@croplloaded@else
18361     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package
18362 \fi%
18363 \if@bidi@colorloaded@else
18364 \@ifpackageloaded{hyperref}{-}{%
18365     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packag
18366 \fi%
18367 \if@bidi@cutwinloaded@else
18368     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packa
18369 \fi%
18370 \if@bidi@cutedloaded@else
18371     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packag
18372 \fi%
18373 \if@bidi@dblfnote@else
18374     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pac
18375 \fi%
18376 \if@bidi@diagboxloaded@else
18377     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pack
18378 \fi%
18379 \if@bidi@xcolorloaded@else
18380     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packa
18381 \fi%
18382 \if@bidi@colortblloaded@else
18383     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pac
18384 \fi%
18385 \if@bidi@floatloaded@else
18386     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packag
18387 \fi%
18388 \if@bidi@floatrowloaded@else
18389     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pac
18390 \fi%
18391 \if@bidi@flowframloaded@else
18392     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pac
18393 \fi%
18394 \if@bidi@framedloaded@else
18395     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packa
18396 \fi%
18397 \if@bidi@ftnrightloaded@else
18398     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pac
18399 \fi%
18400 \if@bidi@xltxtraloaded@else
18401     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi pack
18402 \fi%
18403 \if@bidi@xunicodeloaded@else
18404     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pac
18405 \fi%
18406 \if@bidi@wrapfigloaded@else
18407     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pack
18408 \fi%
18409 \if@bidi@graphicxloaded@else
18410     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pac
18411 \fi%

```




```

18412     \if@bidi@geometryloaded@else
18413     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pack
18414 \fi%
18415 \if@bidi@hvfloatloaded@else
18416     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pack
18417 \fi%
18418     \if@bidi@mdframedloaded@else
18419     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pac
18420 \fi%
18421     \if@bidi@midfloatloaded@else
18422     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pac
18423 \fi%
18424     \if@bidi@theoremloaded@else
18425     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pac
18426 \fi%
18427 \if@bidi@hyperrefloaded@else
18428     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pac
18429 \fi%
18430     \if@bidi@fancyboxloaded@else
18431     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pac
18432 \fi%
18433 \if@bidi@fancyhdrloaded@else
18434     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pac
18435 \fi%
18436 \if@bidi@draftwatermarkloaded@else
18437     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bi
18438 \fi%
18439 \if@bidi@empheqloaded@else
18440     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packa
18441 \fi%
18442     \if@bidi@overpicloaded@else
18443     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pack
18444 \fi%
18445 \if@bidi@pdfpagesloaded@else
18446     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pac
18447 \fi%
18448 \if@bidi@lettrineloaded@else
18449     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pac
18450 \fi%
18451 \if@bidi@linenoloaded@else
18452     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packa
18453 \fi%
18454 \if@bidi@listingsloaded@else
18455     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pac
18456 \fi%
18457 \csname if@bidi@media9loaded@endcsname\else
18458     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packa
18459 \fi%
18460 \if@bidi@pstricksloaded@else
18461     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pac
18462 \fi%
18463 \if@bidi@pgfloaded@else
18464     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
18465 \fi%

```



```

18466 \if@bidi@picinparloaded@\else
18467   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pac
18468 \fi%
18469 \if@bidi@quotchaploaded@\else
18470   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pac
18471 \fi%
18472 \if@bidi@tikzloaded@\else
18473   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package
18474 \fi%
18475 \if@bidi@titlesecloaded@\else
18476   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pac
18477 \fi%
18478 \if@bidi@titletocloaded@\else
18479   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pac
18480 \fi%
18481 \if@bidi@arrayloaded@\else
18482   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packag
18483 \fi%
18484 \if@bidi@stabularloaded@\else
18485   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pac
18486 \fi%
18487 \if@bidi@soulloaded@\else
18488   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package
18489 \fi%
18490 \if@bidi@subfigloaded@\else
18491   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packa
18492 \fi%
18493 \if@bidi@subfigureloaded@\else
18494   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pa
18495 \fi%
18496 \if@bidi@supertabularloaded@\else
18497   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi
18498 \fi%
18499 \if@bidi@xtabloaded@\else
18500   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package
18501 \fi%
18502 \if@bidi@longtableloaded@\else
18503   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pa
18504 \fi%
18505 \if@bidi@arydshlnloaded@\else
18506   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pac
18507 \fi%
18508 \if@bidi@multicolloaded@\else
18509   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pac
18510 \fi%
18511 \if@bidi@multienumloaded@\else
18512   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pa
18513 \fi%
18514 \if@bidi@minitocloaded@\else
18515   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi pack
18516 \fi%
18517 \if@bidi@natbibloaded@\else
18518   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packa
18519 \fi%

```



```

18520     \if@bidi@newfloatloaded@\else
18521     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pac
18522 \fi%
18523 \csname if@bidi@ragged2loaded@\endcsname\else
18524     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pac
18525 \fi%
18526     \if@bidi@rotatingloaded@\else
18527     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pac
18528 \fi%
18529 \if@bidi@tablsloaded@\else
18530     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabs after bidi packag
18531 \fi%
18532 \if@bidi@tabularyloaded@\else
18533     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pac
18534 \fi%
18535 \if@bidi@tocbasicloaded@\else
18536     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pac
18537 \fi%
18538 \if@bidi@tocstyleloaded@\else
18539     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pac
18540 \fi%
18541 \if@bidi@tocbibindloaded@\else
18542     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pa
18543 \fi%
18544 \if@bidi@fontspecloaded@\else
18545     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pac
18546 \fi%
18547 \if@bidi@arabxetexloaded@\else
18548     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pa
18549 \fi%
18550 \if@bidi@polyglossialoaded@\else
18551     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
18552 \fi%
18553 \if@bidi@fancyvrbloaded@\else
18554     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pac
18555 \fi%
18556 }

```

110 File longtable-xetex-bidi.def

```

18557 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable packa
18558 \def\LT@array[#1]#2{%
18559   \refstepcounter{table}\stepcounter{LT@tables}%
18560   \if l#1%
18561     \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
18562   \else\if r#1%
18563     \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
18564   \else\if c#1%
18565     \LTleft\fill \LTright\fill
18566   \fi\fi\fi
18567   \let\LT@mcoll\multicolumn
18568   \let\LT@@tabarray\@tabarray
18569   \let\LT@@hline\hline
18570   \def\@tabarray{%

```



```

18571 \let\hline\LT@ohl
18572 \LT@tabarray}%
18573 \let\\LT@tabularcr\let\tabularnewline\\%
18574 \def\newpage{\noalign{\break}}%
18575 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
18576 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
18577 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
18578 \@tempdima\ht\strutbox
18579 \let\@endpbox\LT@endpbox
18580 \ifx\extrarowheight\@undefined
18581 \let\@acol\@tabacol
18582 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
18583 \def\@startpbox{\vtop\LT@startpbox}%
18584 \let\@@startpbox\@startpbox
18585 \let\@@endpbox\@endpbox
18586 \let\LT@LL@FM@cr\@tabularcr
18587 \else
18588 \advance\@tempdima\extrarowheight
18589 \col@sep\@tabcolsep
18590 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
18591 \fi
18592 \setbox\@arstrutbox\hbox{\vrule
18593 \@height \arraystretch \@tempdima
18594 \@depth \arraystretch \dp \strutbox
18595 \@width \z@}%
18596 \let\@sharp##\let\protect\relax
18597 \begingroup
18598 \mkpream{#2}%
18599 \xdef\LT@bchunk{%
18600 \global\advance\c@LT@chunks\@ne
18601 \global\LT@rows\z@\setbox\z@\vbox\bgroup
18602 \LT@setprevdepth
18603 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
18604 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
18605 \endgroup
18606 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
18607 \LT@make@row
18608 \m@th\let\par\@empty
18609 \everycr{}\lineskip\z@\baselineskip\z@
18610 \LT@bchunk}
18611 \def\LT@makecaption#1#2#3{%
18612 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
18613 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
18614 \ifdim\wd\@tempboxa>\hsize
18615 #1{#2: }#3%
18616 \else
18617 \hbox to\hsize{\hfil\box\@tempboxa\hfil}}%
18618 \fi
18619 \endgraf\vskip\baselineskip}%
18620 \hss}}
18621 \@ifpackageloaded{caption}{%
18622 \renewcommand\LT@makecaption[3]{%
18623 \caption@LT@make{%
18624 \caption@LT@settype\LTcaption

```



```

18625     \caption@LT@setup
18626     \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
18627     \caption@startrue#1\caption@starfalse
18628     \caption@prepare@stepcounter\LTcapttype
18629     \caption@begin\LTcapttype
18630     \caption@normalsize
18631     \vskip-\ht\strutbox
18632     \caption@ifdefined\FBifcapttop{%
18633       \let\caption@belowskip\@empty}%
18634     \caption@make@above
18635     \caption@@make{#2}{#3}\endgraf
18636     \caption@make@below
18637     \caption@end}}%
18638 }{}
18639 \def\LT@startpbox#1{%
18640   \bgroup\color@begingroup
18641   \let\@footnotetext\LT@p@ftntext
18642   \let\@LTRfootnotetext\LT@p@LTRftntext
18643   \let\@RTLfootnotetext\LT@p@RTLftntext
18644   \setlength\hsize{#1}%
18645   \@arrayparboxrestore
18646   \vrule \@height \ht\@arstrutbox \@width \z@}
18647 \def\LT@p@LTRftntext#1{%
18648   \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
18649   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18650 \def\LT@p@RTLftntext#1{%
18651   \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
18652   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18653
18654
18655 \def\LT@output{%
18656   \ifnum\outputpenalty <-\@Mi
18657     \ifnum\outputpenalty > -\LT@end@pen
18658       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
18659     \else
18660       \setbox\z@\vbox{\unvbox\@cclv}%
18661       \ifdim \ht\LT@lastfoot>\ht\LT@foot
18662         \dimen@\pagegoal
18663         \advance\dimen@-\ht\LT@lastfoot
18664         \ifdim\dimen@<\ht\z@
18665           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
18666           \@makecol
18667           \@outputpage
18668           \setbox\z@\vbox{\box\LT@head}%
18669         \fi
18670       \fi
18671       \global\@colroom\@colht
18672       \global\vsizel\@colht
18673       \vbox
18674         {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@fo
18675       \fi
18676     \else
18677       \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@fo
18678     \@makecol

```



```

18679 \@outputpage
18680 \global\ysize\@colroom
18681 \copy\LT@head\nobreak
18682 \fi}

```

111 File `lscope-xetex-bidi.def`

```

18683 \ProvidesFile{lscope-xetex-bidi.def}[2022/07/14 v0.2 bidi adaptations for lscope package for
18684 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
18685 \if@RTL
18686 \rotatebox[origin=br]{-90}{\box\@outputbox}%
18687 \else
18688 \rotatebox{90}{\box\@outputbox}%
18689 \fi
18690 }{}{}
18691
18692 \g@addto@macro{\landscape}{%
18693 \if@bidi@csdef{bidi@columnwidth}{%
18694 \bidi@columnwidth\columnwidth
18695 }{}%
18696 \let\bidi@left@footnoterule\left@footnoterule
18697 \let\bidi@right@footnoterule\right@footnoterule
18698 \def\left@footnoterule{%
18699 \if@RTL
18700 \bidi@right@footnoterule
18701 \else
18702 \bidi@left@footnoterule
18703 \fi
18704 }%
18705 \def\right@footnoterule{%
18706 \if@RTL
18707 \bidi@left@footnoterule
18708 \else
18709 \bidi@right@footnoterule
18710 \fi
18711 }%
18712 }

```

112 File `mathtools-xetex-bidi.def`

```

18713 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools packa
18714 \MHInternalSyntaxOn
18715 \def\MT_define_tagform:nwnn #1[#2]#3#4{
18716 \@namedef{MT_tagform_#1:n}##1
18717 {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4}
18718 }
18719 \renewtagform{default}{({})}
18720 \MHInternalSyntaxOff

```

113 File `mdframed-xetex-bidi.def`

```

18721 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package
18722 \newif\if@bidi@mdf@RTL
18723 \def\mdf@lrbox#1{%

```



```

18724 \mdf@patchamsthm%patch amsthm
18725 \if@RTL\@bidi@mdf@RTLtrue\fi%
18726 \@RTLfalse%
18727 \setbox#1\vbox\bgroup%
18728 \color@begingroup%
18729 \if@bidi@mdf@RTL\@RTLtrue\fi%
18730 \mdf@horizontalmargin@equation%
18731 \columnwidth=\hsize%
18732 \textwidth=\hsize%
18733 \let\if@nobreak\iffalse%
18734 \let\if@noskipsec\iffalse%
18735 \let\par\@par%
18736 \let\-\@dischph%
18737 \let'\@acci\let`\@accii\let=\@acciii%
18738 \parindent\z@ \parskip\z@skip%
18739 \linewidth\hsize%
18740 \@totalleftmargin\z@%
18741 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
18742 \parfillskip\@flushglue \lineskip\normallineskip%
18743 \baselineskip\normalbaselineskip%
18744 %% \sloppy%
18745 \let\\\@normalcr%
18746 \mdf@par@local%New feature to restore parskip/parindent local in save box
18747 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
18748 \@afterindentfalse%
18749 %\@afterheading%
18750 }
18751 \renewrobustcmd\mdfframedtitleenv[1]{%
18752 \mdf@lrbox{\mdf@frametitlebox}%
18753 \mdf@frametitlealignment%
18754 \leavevmode{\color{\mdf@frametitlefontcolor}%
18755 \normalfont\mdf@frametitlefont{#1}
18756 \ifbool{mdf@ignorelastdescenders}%
18757 {%
18758 \par\strut\par
18759 \unskip\unskip\setbox0=\lastbox
18760 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
18761 }{}%
18762 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
18763 \endmdf@lrbox\relax%
18764 \mdf@ignorevbadness%
18765 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
18766 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
18767 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
18768 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
18769 \mdfframetitleboxtotalheight=\dimexpr
18770 \ht\mdf@frametitlebox
18771 +\dp\mdf@frametitlebox%
18772 +\mdf@frametitleaboveskip@length
18773 +\mdf@frametitlebelowskip@length
18774 \relax%
18775 }
18776
18777 \renewrobustcmd*\mdf@footnoteoutput{%

```



```

18778 \ifvoid\@mpfootins\else%
18779 \nobreak%
18780 \vskip\mdf@footnotedistance@length%
18781 \normalcolor%
18782 \bidi@mpfootnoterule%
18783 \unvbox\@mpfootins%
18784 \fi%
18785 }
18786
18787
18788 \renewrobustcmd*\mdf@footnoteinput{%
18789 \def\@mpfn{mpfootnote}%
18790 \def\thempfn{\thempfootnote}%
18791 \c@mpfootnote\z@%
18792 \let\@footnotetext\@mpfootnotetext%
18793 \let\@LTRfootnotetext\@mpLTRfootnotetext%
18794 \let\@RTLfootnotetext\@mpRTLfootnotetext%
18795 }

```

114 File bidi-media9.sty

```

18796 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
18797 {bidi fixes for media9 package for the XeTeX engine}
18798
18799 \keys_define:nn{media9/mbtn}{
18800 draft .code:n = {},
18801 final .code:n = {},
18802
18803 tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
18804 tooltip .value_required:n = {true},
18805
18806 overface .code:n = {
18807 \sbox\l_mix_poster_box{
18808 \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18809 \mix_pdfxform:n{\l_mix_poster_box}
18810 \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
18811 },
18812 overface .value_required:n = {true},
18813
18814 downface .code:n = {
18815 \sbox\l_mix_poster_box{
18816 \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18817 \mix_pdfxform:n{\l_mix_poster_box}
18818 \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
18819 },
18820 downface .value_required:n = {true},
18821
18822 3Dgotoview .code:n = {
18823 \tl_set:Nx\l_tmpa_tl{#1} %extract ref
18824 \regex_replace_once:nnN{([:])+}??.*{\1}\l_tmpa_tl
18825 \tl_trim_spaces:N\l_tmpa_tl
18826 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18827 \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18828 \tl_set:Nx\l_tmpb_tl{#1} %extract idx

```




```

18829     \regex_replace_once:nnN{[^\:]+:?\}\l_tmpb_tl
18830     \tl_trim_spaces:N\l_tmpb_tl
18831     \tl_if_blank:VF\l_tmpb_tl{
18832       \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
18833         \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
18834       }{
18835         \regex_match:nVTF{^\d+$}\l_tmpb_tl{
18836           \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
18837         }{
18838           \regex_replace_once:nnN{^\(\s*\)}\l_tmpb_tl
18839           \regex_replace_once:nnN{\s*\)}\l_tmpb_tl
18840           \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
18841         }
18842       }
18843     }
18844     \mix_pdfobj:nnn{}{dict}{
18845       /S/JavaScript/JS~(
18846         if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
18847         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18848           annotRM['\l_tmpa_tl']=
18849             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18850         }
18851         annotRM['\l_tmpa_tl'].activated=true;
18852       )
18853     \tl_if_blank:VF\l_tmpb_tl{
18854       /Next~<<
18855       /S/GoTo3DView
18856       /TA~\tl_use:c{ann@\l_tmpa_tl}
18857       /V\l_mix_vidx_tl
18858     >>
18859     }
18860   }
18861   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18862 }
18863 }{
18864   \msg_warning:nx{media9}{undefined-reference}{\l_tmpa_tl}
18865   \cs_if_exist:NF\g_mix_refundefwarned_tl{
18866     \tl_new:N\g_mix_refundefwarned_tl
18867     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18868   }
18869 }
18870 },
18871 3Dgotoview .value_required:n = {true},
18872
18873 mediacommand .code:n = {
18874   \tl_set:Nx\l_tmpa_tl{#1}
18875   \regex_replace_once:nnN{([^\:]+):??.*}\1\l_tmpa_tl %extract ref
18876   \tl_trim_spaces:N\l_tmpa_tl
18877   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18878     \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18879       \tl_set:Nx\l_tmpb_tl{#1}
18880       \regex_replace_once:nnN{[^\:]+\:?\}\l_tmpb_tl
18881       \tl_trim_spaces:N\l_tmpb_tl
18882       \regex_replace_all:nnN{^\{\|\}$}\l_tmpb_tl

```



```

18883 \tl_set:Nx\l_mix_cmd_tl{
18884 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
18885 \tl_trim_spaces:N\l_mix_cmd_tl
18886 \tl_set:Nx\l_mix_arg_tl{
18887 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
18888 \tl_trim_spaces:N\l_mix_arg_tl
18889 \mix_pdfobj:nnn{}{dict}{
18890 /S/JavaScript/JS~(
18891 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18892 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18893 annotRM['\l_tmpa_tl']=
18894 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18895 }
18896 annotRM['\l_tmpa_tl'].activated=true;
18897 )
18898 \tl_if_blank:VF\l_mix_cmd_tl{
18899 /Next~<<
18900 /S/RichMediaExecute
18901 /TA~\tl_use:c{ann@\l_tmpa_tl}
18902 /TI~\tl_use:c{main@\l_tmpa_tl}
18903 /CMD~<<
18904 /C~(\l_mix_cmd_tl)
18905 \tl_if_blank:VF\l_mix_arg_tl{
18906 /A~[\l_mix_arg_tl]
18907 }
18908 >>
18909 >>
18910 }
18911 }
18912 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdfobj:}
18913 }
18914 }{
18915 \msg_warning:nx{media9}{undefined~reference}{\l_tmpa_tl}
18916 \cs_if_exist:NF\g_mix_refundefwarned_tl{
18917 \tl_new:N\g_mix_refundefwarned_tl
18918 \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
18919 }
18920 }
18921 },
18922 mediacommand .value_required:n = {true},
18923
18924 jsaction .code:n = {
18925 \tl_set:Nx\l_tmpa_tl{#1}
18926 \regex_match:nVTF{^[^:]+.*$}\l_tmpa_tl{
18927 \regex_replace_once:nnN{([^:]+):??.*}{\1}\l_tmpa_tl %extract ref
18928 \tl_trim_spaces:N\l_tmpa_tl
18929 }{\tl_clear:N\l_tmpa_tl}
18930 \tl_set:Nx\l_tmpb_tl{#1}
18931 \tl_if_blank:VF\l_tmpa_tl{
18932 \tl_if_exist:cF{ann@\l_tmpa_tl}{
18933 \msg_warning:nx{media9}{undefined~reference}{\l_tmpa_tl}
18934 \cs_if_exist:NF\g_mix_refundefwarned_tl{
18935 \tl_new:N\g_mix_refundefwarned_tl
18936 \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}

```



```

18937     }
18938   }
18939   \regex_replace_once:nnN{[^\:]+\:}{\l_tmpb_tl
18940 }
18941 \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
18942 \tl_trim_spaces:N\l_tmpb_tl
18943 \tl_if_blank:VF\l_tmpb_tl{
18944 \mix_pdfobj:nnn}{dict}{
18945 /S/JavaScript/JS~(
18946   try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
18947 \bool_lazy_and:nnT{
18948   \tl_if_exist_p:c{ann@\l_tmpa_tl}
18949 }{
18950   !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18951 }{
18952   \mix_pdfobj:nnn}{dict}{
18953     /S/JavaScript/JS~(
18954       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18955       if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18956         annotRM['\l_tmpa_tl']=
18957           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18958       }
18959       annotRM['\l_tmpa_tl'].activated=true;
18960     )
18961     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
18962   }
18963 }
18964 \bool_if:nT{
18965   \bool_lazy_and_p:nn{
18966     \tl_if_exist_p:c{ann@\l_tmpa_tl}
18967   }{
18968     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18969   }
18970   || !\tl_if_blank_p:V\l_tmpb_tl
18971 }{
18972   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18973 }
18974 },
18975 jsaction .value_required:n = {true},
18976
18977 unknown .code:n = {
18978   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
18979 }
18980 }
18981
18982 \RenewDocumentCommand\includemedia{0{}mm}{%#1 options, #2 text/image #3 media file
18983 \mix_uriend:
18984 \group_begin:
18985 \mix_beginLTR:
18986 \mode_leave_vertical:
18987 %empty stream as appearance dummy
18988 \cs_if_exist:NF\g_mix_appearance_tl{
18989   \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
18990   \mix_pdfxform:n{\l_mix_poster_box}

```



```

18991 \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
18992 }
18993 \mix_reset:
18994 \mix_uribegin: %treat URI characters correctly
18995 \keys_set:nn{media9/user}{#1}
18996 \mix_uriend:
18997 \tl_greplac_all:Nnn\g_mix_flashvars_tl{~&}{&}
18998 \tl_greplac_all:Nnn\g_mix_flashvars_tl{&~}{&}
18999 \tl_greplac_all:Nnn\g_mix_flashvars_tl{~=}{=}
19000 \tl_greplac_all:Nnn\g_mix_flashvars_tl{=~}{=}
19001 \tl_gtrim_spaces:N\g_mix_flashvars_tl
19002
19003 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
19004
19005 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
19006 %\hbox_set:Nn\l_mix_poster_box{#2}
19007 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
19008 \mix_scale:n{\l_mix_poster_box}
19009 \bool_if:nTF{
19010   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
19011   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
19012 }{
19013   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
19014 }
19015 \bool_if:NTF\g_mix_usrdraft_bool{
19016   \tl_if_empty:NF\g_mix_usrlabel_tl{
19017     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
19018   }
19019   \tl_if_blank:oTF{#2}{
19020     \mix_uribegin: %treat URI characters correctly
19021     \mix_draftbox:n{\tl_to_str:n{#3}}
19022     \mix_uriend:
19023   }{
19024     \hbox_to_wd:nn{\g_mix_wd_tl}{
19025       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
19026       \box_use:N\l_mix_poster_box\hss
19027     }
19028   }
19029 }{
19030   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
19031     %attach script that switches off play button overlay upon activation
19032     \mix_pdfobj:nnn{}{stream}{
19033       }{
19034         var-ocgs=host.getOCGs(host.pageNum);
19035         for(var~i=0;i<ocgs.length;i++){
19036           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
19037             ocgs[i].state=false;
19038           }
19039         }
19040       }
19041     }
19042     \mix_pdfobj:nnn{}{dict}{
19043       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
19044     }

```



```

19045     \tl_gset:Nx\g_mix_assets_tl{(btnoff)-\mix_pdflastobj:}
19046     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
19047     %enforce plain playbutton overlay for XeTeX
19048     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
19049   }
19050   %embed main asset
19051   \mix_uribegin:
19052   \mix_embedasset:n{#3}
19053   \bool_if:nTF{
19054     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
19055   }{
19056     \bool_gset_true:N\g_mix_iiid_bool
19057     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
19058   }{
19059     \str_case_e:nnF{\l_mix_base_tl}{
19060       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
19061       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
19062       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
19063       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
19064       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
19065     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
19066   }
19067   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
19068   \mix_uriend:
19069   %secondary assets (added by addresource)
19070   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
19071   \seq_map_inline:Nn\g_mix_script_seq{
19072     \mix_embedasset:n{##1}
19073     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
19074   }
19075   %attach 3D calculation script
19076   \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
19077     \mix_embedasset:n{3Dmenu.js}
19078     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
19079   }
19080   %create 3D views from file (option 3Dviews)
19081   \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
19082     \tl_set:Nn\l_mix_level_tl{-1}
19083     \int_zero:N\l_mix_viewcnt_int
19084     \int_zero:N\l_mix_lineno_int
19085
19086     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
19087     \ior_map_inline:Nn\l_mix_vfile_stream{
19088       \int_incr:N\l_mix_lineno_int
19089       \keys_set:nn{media9/views}{##1} %process input line
19090     }
19091     \ior_close:N\l_mix_vfile_stream
19092   }
19093   \bool_if:nT{ %create default 3D view if required
19094     \g_mix_iiid_bool &&
19095     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
19096   }{
19097     \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
19098     \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl

```



```

19099 \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
19100 \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
19101 \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
19102 \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
19103 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
19104
19105 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
19106 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
19107 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
19108 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
19109
19110 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
19111 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
19112 \tl_clear:N\l_mix_naarray_tl
19113
19114 \bool_if:NF\l_mix_ciiw_bool{
19115   \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
19116   \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
19117 }
19118
19119 \tl_clear:N\l_mix_naarray_tl
19120 \tl_clear:N\l_mix_saarray_tl
19121 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
19122
19123 \mix_view:n{Default}
19124 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
19125
19126 }
19127 \mix_pdfobj:nnn{}{dict}{
19128   /Type/RichMediaInstance
19129   /Subtype/\g_mix_mainassetsub_tl
19130   /Asset~\g_mix_mainasset_tl
19131   \bool_if:NF\g_mix_iiid_bool{
19132     /Params~<<
19133     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
19134       /Foreground
19135     }{
19136       /Background
19137     }
19138     \tl_if_blank:VF\g_mix_flashvars_tl{
19139       /FlashVars~(\g_mix_flashvars_tl)
19140     }
19141     >>
19142   }
19143 }
19144 \tl_if_empty:NF\g_mix_usrlabel_tl{
19145   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
19146 }
19147 \mix_pdfobj:nnn{}{dict}{
19148   /Type/RichMediaConfiguration
19149   /Subtype/\g_mix_mainassetsub_tl
19150   /Instances~[\mix_pdflastobj:]
19151 }
19152 \mix_pdfobj:nnn{}{dict}{

```



```

19153     /Type/RichMediaContent
19154     /Assets~<</Names~[\g_mix_assets_tl]>>
19155     /Configurations~[\mix_pdflastobj:]
19156     \bool_if:nT{
19157         \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
19158     }{
19159         /Views~[\l_mix_iiidviewarray_tl]
19160     }
19161 }
19162 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
19163 \bool_if:nT{
19164     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
19165 }{
19166     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
19167 }
19168 %determine floating window size
19169 \bool_if:NT\g_mix_opt_windowed_bool{
19170     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
19171 }
19172 \mix_pdfobj:nnn{}{dict}{
19173     /Activation~<<
19174     /Condition\g_mix_act_tl
19175     \bool_if:nT{
19176         \g_mix_iiid_bool &&
19177         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
19178     }{ %seems to work only with 3D content
19179         /Animation~<<
19180             /Subtype/\g_mix_playtpe_tl
19181             /PlayCount~\g_mix_playcnt_tl
19182             /Speed~\g_mix_playspd_tl
19183         >>
19184     }
19185     \bool_if:nT{
19186         \g_mix_iiid_bool && (
19187             \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
19188         )
19189     }{/View~\l_mix_dfltview_tl}
19190     /Presentation~<<
19191         /Transparent~\g_mix_transp_tl
19192         \bool_if:NTF\g_mix_opt_windowed_bool{
19193             /Style/Windowed
19194             /Window~<<
19195                 /Width~<</Default~\tl_mix_fltd>>
19196                 /Height~<</Default~\tl_mix_fltht>>
19197             /Position~<<
19198                 /HOffset~0/VOffset~0
19199                 \str_case_e:nnF{\g_mix_winpos_tl}{
19200                     {tl}{/VAlign/Near/HAlign/Near}
19201                     {cl}{/VAlign/Center/HAlign/Near}
19202                     {bl}{/VAlign/Far/HAlign/Near}
19203                     {bc}{/VAlign/Far/HAlign/Center}
19204                     {br}{/VAlign/Far/HAlign/Far}
19205                     {cr}{/VAlign/Center/HAlign/Far}
19206                     {tr}{/VAlign/Near/HAlign/Far}

```



```

19207         {tc}{/VAlign/Near/HAlign/Center}
19208     }{/HAlign/Center/VAlign/Center}
19209     >>
19210     >>
19211     }{
19212     /Style/Embedded
19213     }
19214     \bool_if:NTF\g_mix_iiid_bool{
19215     /Toolbar~\g_mix_tools_tl
19216     /NavigationPane~\g_mix_nav_tl
19217     }{
19218     /PassContextClick~\g_mix_contextclick_tl
19219     }
19220     >>
19221     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
19222     >>
19223     /Deactivation~<</Condition\g_mix_deact_tl>>
19224     }
19225     \tl_set:Nx\l_mix_settings_tl{mix_pdflastobj:}
19226     \tl_if_empty:NF\g_mix_usrlabel_tl{
19227     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
19228     }
19229     % #1:width, #2:height, #3:depth, #4:content (key-value)
19230     \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
19231     /Subtype/RichMedia
19232     /F-4
19233     /BS~<</W-0/S/S>>
19234     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
19235     /NM~(\g_mix_label_tl)
19236     /AP~<</N~\g_mix_appearance_tl>>
19237     /RichMediaSettings~\l_mix_settings_tl
19238     /RichMediaContent~\l_mix_content_tl
19239     }
19240     \tl_if_empty:NF\g_mix_usrlabel_tl{
19241     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
19242     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
19243     \noexpand\the\g@mix@page@int}
19244     }
19245     \mix_pdfobj:nnn{}{dict}{
19246     /S/JavaScript/JS~(
19247     try{
19248     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
19249     if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
19250     annotRM['\g_mix_label_tl']=
19251     this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
19252     }
19253     \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
19254     if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
19255     var~ocgs=this.getOCGs(this.pageNum);
19256     for(var~i=0;i<ocgs.length;i++){
19257     if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
19258     var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
19259     }
19260     }

```




```

19261         }
19262         if(
19263             !annotRM['\g_mix_label_tl'].activated&&(
19264                 app.viewerType=='Reader' ||
19265                 app.viewerType=='Exchange' ||
19266                 app.viewerType=='Exchange-Pro'
19267             )&&app.viewerVersion>=9
19268         ){
19269             ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
19270         }
19271     }
19272 }catch(e){}
19273 this.dirty=false;
19274 )
19275 }
19276 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
19277     /Subtype/Widget
19278     /FT/Btn/Ff-65537/F~2
19279     /BS~<</W~0>>
19280     /T~(fd@\g_mix_label_tl)
19281     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
19282 }
19283 \mix_appendtofields:n{\mix_pdflastann:}
19284 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
19285 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
19286     \hbox_to_wd:nn{\g_mix_wd_tl}{
19287         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
19288     }
19289 }{%insert play button overlay
19290     \mix_insert_btnocg: %create OCG
19291     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
19292     \group_begin:
19293     \cs_if_exist:NT\textdir{\textdir TLT}
19294     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
19295     \box_move_down:nn{\g_mix_dp_tl}{
19296         \hbox_to_wd:nn{\g_mix_wd_tl}{
19297             \vbox_to_ht:nn{\g_mix_tt_tl}{
19298                 \vss
19299                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
19300                 \box_use:N\l_mix_pbtn_box
19301                 \ocgbase_oc_emc:
19302             }
19303         }
19304     }
19305     \group_end:
19306 }
19307 \int_gincr:N\g_mix_rmcnt_int
19308 }
19309 \mix_endLTR:
19310 \group_end:
19311 }
19312 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
19313 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
19314

```



```

19315 \RenewDocumentCommand\mediabutton{0{m}}{#1 options, #2 normal button text
19316 \mix_riend:
19317 \group_begin:
19318 \mix_beginLTR:
19319 \mode_leave_vertical:
19320 %reset various variables
19321 \tl_gclear:N\g_mix_overbtn_tl
19322 \tl_gclear:N\g_mix_downbtn_tl
19323 \tl_gclear:N\g_mix_btnactions_tl
19324 \tl_gclear:N\g_mix_tooltip_tl
19325 %process options
19326 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
19327 \mix_uribegin: %treat URI characters correctly
19328 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
19329 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
19330 \mix_riend:
19331 %normal button appearance
19332 %\hbox_set:Nn\l_mix_poster_box{#2}
19333 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
19334 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
19335 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
19336 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
19337 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
19338 \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
19339 \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
19340 \mix_pdfxform:n{\l_mix_poster_box}
19341 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
19342 %insert widget annotation
19343 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
19344 /Subtype/Widget
19345 /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
19346 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
19347 /FT/Btn/Ff~65536
19348 \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
19349 /AP~<<
19350 /N~\g_mix_normalbtn_tl
19351 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
19352 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
19353 >>
19354 /MK~<<
19355 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
19356 /I~\g_mix_normalbtn_tl
19357 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
19358 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
19359 >>
19360 /A~<<
19361 /S/JavaScript/JS~(app.focusRect=false;)
19362 %sequence of actions to perform
19363 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
19364 >>
19365 }
19366 \mix_appendtofields:n{\mix_pdflastann:}
19367 \hbox_to_wd:nn{\width}{
19368 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss

```



```

19369   }
19370   \int_gincr:N\g_mix_mbtncnt_int
19371 }
19372 \mix_endLTR:
19373 \group_end:
19374 }
19375 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
19376 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
19377

```

115 File memoir-xetex-bidi.def

```

19378 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for X
19379 \renewcommand{\keepthetitle}{%
19380   \bsmttitleempty
19381   \global\let\thanks\relax
19382   \global\let\LTRthanks\relax
19383   \global\let\RTLthanks\relax
19384   \global\let\and\relax
19385   \global\let\andnext\relax
19386   \global\let\@thanks\@empty
19387   \global\let\@title\@empty
19388   \global\let\@author\@empty
19389   \global\let\@date\@empty}
19390 \renewcommand{\maketitle}{\par
19391   \begingroup
19392     \bsmarkseries
19393     \def\@makefnmark{\@textsuperscript{%
19394       \normalfont\bsthanksheadpre \tamark \bsthanksheadpost}}%
19395     \long\def\@makefntext##1{\makethanksmark ##1}
19396     \if@twocolumn
19397       \ifnum \col@number=\@ne
19398         \maketitle
19399       \else
19400         \twocolumn[\maketitle]%
19401       \fi
19402     \else
19403       \ifdim\pagetotal>\z@
19404         \newpage
19405       \fi
19406       \global\@topnum\z@
19407       \maketitle
19408     \fi
19409     \thispagestyle{title}\@thanks
19410   \endgroup
19411   \bscontmark % \setcounter{footnote}{0}%
19412 }
19413 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
19414 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
19415 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
19416 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
19417 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
19418 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
19419 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}

```



```

19420 \renewcommand*{\thesubsection}{%
19421         \thesection\@SepMark\@arabic\c@subsection}
19422 \renewcommand*{\thesubsubsection}{%
19423         \thesubsection\@SepMark\@arabic\c@subsubsection}
19424 \renewcommand*{\theparagraph}{%
19425         \thesubsubsection\@SepMark\@arabic\c@paragraph}
19426 \renewcommand*{\thesubparagraph}{%
19427         \theparagraph\@SepMark\@arabic\c@subparagraph}
19428 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
19429 \renewcommand{\theequation}{%
19430 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19431 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
19432 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
19433 \ifartopt
19434 \chapterstyle{article}
19435 \counterwithout{figure}{chapter}
19436 \counterwithout{table}{chapter}
19437 \counterwithout{footnote}{chapter}
19438 \counterwithout{equation}{chapter}
19439 \renewcommand{\chaptername}{}
19440 \renewcommand{\maketitlehookb}{%
19441 \vskip -1.5\topsep\vskip -1.5\partopsep}
19442 \renewcommand{\maketitlehookc}{%
19443 \vskip -1.5\topsep\vskip -1.5\partopsep}
19444 \fi
19445 \long\def\@makecaption#1#2{\let\@memtempa\relax
19446 \ifdim\prevdepth>-99\p@ \vskip\abovcaptionskip
19447 \else \def\@memtempa{\vbox to\topskip{}}\fi
19448 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
19449 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
19450 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
19451 \let\footnote\@contfnote
19452 \let\footnotemark\@contfmark
19453 \ifdim\wd\@tempboxa<\linewidth \centering \fi
19454 \if@contcw
19455 \centering
19456 \parbox{\@contcwidth}{%
19457 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
19458 \fi
19459 \ifdim\wd\@tempboxa<\linewidth
19460 \@contpre
19461 {\@contnfont #1\@contdelim}\@memtempa
19462 {\@contcshortstyle \@conttfont #2\@contfinal\par}
19463 \else
19464 \if@conthang
19465 \sbox\@tempboxa{\@contnfont #1\@contdelim}
19466 \@contpre%
19467 {\@contcstyle\hangindent=\wd\@tempboxa
19468 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
19469 \else
19470 \if@contindent
19471 \@contpre%
19472 {\@contnfont #1\@contdelim}\@memtempa
19473 {\@contcstyle\hangindent=\@contindw

```



```

19474             \hangafter=\@ne\@conttfont #2\@confinal\par}% <- v1.4
19475         \else
19476             \@contpre%
19477             {\@contnfont #1\@contdelim}\@memtempa
19478             {\@contcstyle \@conttfont #2\@confinal\par}
19479         \fi
19480     \fi
19481 \fi
19482 \@contpost
19483 \if@contcw
19484     \par
19485 } % end of the \parbox
19486 \fi
19487 \vskip\belowcaptionskip}
19488 \@ifpackageloaded{caption}{%
19489 \AtBeginPackage{caption}{
19490 \ClassWarningNoLine{memoir}{%
19491 You are using the caption package with the memoir \MessageBreak
19492 class. This may cause unexpected or inconsistent \MessageBreak
19493 results if you use any of memoir's captioning facilities}
19494
19495 \long\def\@makecaption##1##2{%
19496 \vskip\abovecaptionskip
19497 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
19498 \ifdim \wd\@tempboxa >\hsize
19499     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
19500 \else
19501     \global \@minipagefalse
19502     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
19503 \fi
19504 \vskip\belowcaptionskip}
19505
19506 \def\caption{%
19507     \ifx\@capttype\@undefined
19508         \@latex@error{\noexpand\caption outside float}\@ehd
19509         \expandafter\@gobble
19510     \else
19511         \refstepcounter\@capttype
19512         \expandafter\@firstofone
19513     \fi
19514     {\@dblarg{\@caption\@capttype}}%
19515 }
19516
19517 \long\def\@caption##1[##2]##3{%
19518     \par
19519     \addcontentsline{\csname ext@##1\endcsname}{##1}%
19520         {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
19521     \begingroup
19522         \@parboxrestore
19523         \if@minipage
19524             \@setminipage
19525         \fi
19526         \normalsize
19527         \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par

```



```

19528 \endgroup}
19529 }}{}
19530 \renewenvironment{thebibliography}[1]{%
19531 \bibsection
19532 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19533 \bidi@thebibliography@font@hook%
19534 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

116 File midfloat-xetex-bidi.def

```

19535 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
19536 \def\RTL@outputdblcol{%
19537 \if@firstcolumn
19538 \global \@firstcolumnfalse
19539 \global\setbox\@leftcolumn\copy\@outputbox
19540 \splitmaxdepth\maxdimen
19541 \vbadness\maxdimen
19542 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19543 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19544 \toks@\expandafter{\topmark}%
19545 \xdef\@firstcoltopmark{\the\toks@}%
19546 \toks@\expandafter{\splitfirstmark}%
19547 \xdef\@firstcolfirstmark{\the\toks@}%
19548 \ifx\@firstcolfirstmark\@empty
19549 \global\let\@setmarks\relax
19550 \else
19551 \gdef\@setmarks{%
19552 \let\firstmark\@firstcolfirstmark
19553 \let\topmark\@firstcoltopmark}%
19554 \fi
19555 \global\c@colht\@colht\global\c@advvipersep\z@
19556 \ifnum\juo@sk>0
19557 \remove@strip\juo@sar
19558 \global\@colht\the\juo@pr
19559 \ifdim\right@cor>\z@
19560 \global\advance\@colht by\right@cor
19561 \fi
19562 \global\advance\@colht by\cor@height
19563 \global\cor@height=0pt
19564 \fi
19565 \global\setbox\@rightcolumn\vbox{}%
19566 \else
19567 \ifdim\c@colht>\@colht
19568 \@tempdima\@colht
19569 \ifdim\@colht>\z@
19570 \global\setbox\@rightcolumn\vbox{%
19571 \unvbox\@rightcolumn
19572 \vbox to\@tempdima{%
19573 \vskip\c@advvipersep\unvbox\@outputbox}%
19574 \vskip\stripsep
19575 \vrule height\the\juo@ht width 0pt depth 0pt
19576 \vskip\stripsep
19577 }%
19578 \global\c@advvipersep\m@advvipersep

```



```

19579         \else
19580         \global\setbox\@rightcolumn \vbox{%
19581             \unvbox\@rightcolumn
19582             \vrule height\the\jua@ht width Opt depth Opt
19583             \vskip\stripsep
19584         }%
19585     \fi
19586     \ifnum\jua@sk>0
19587         \remove@strip\jua@sar
19588         \global\@colht\the\jua@pr
19589         \global\advance\@colht by -\ht\@rightcolumn
19590         \global\advance\@colht by\cor@height
19591         \global\cor@height=0pt
19592     \else
19593         \global\advance\c@colht by-\ht\@rightcolumn
19594         \global\@colht\c@colht
19595     \fi
19596 \else
19597 \global\@firstcolumntrue
19598 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19599     \unvbox\@rightcolumn
19600     \vskip\c@addvipersep
19601     \unvbox\@outputbox
19602 }%
19603 \setbox\@outputbox \vbox {%
19604     \hb@xt@\textwidth {%
19605         \hskip \columnwidth
19606         \hfil
19607         \vrule \@width\columnseprule
19608         \hfil
19609         \hb@xt@\columnwidth {%
19610             \bidi@firstcolumn@status@write%
19611             \box\@leftcolumn \hss}%
19612         \hskip-\textwidth
19613         \hb@xt@\columnwidth {%
19614             \bidi@lastcolumn@status@write%
19615             \box\@outputbox \hss}%
19616         \hskip\columnwidth
19617         \hskip\columnsep}%
19618     }%
19619 \@combinedblfloats
19620 \@setmarks
19621 \@outputpage
19622 \begingroup
19623     \@dblfloatplacement
19624     \@startdblcolumn
19625     \@whilesw\if@fcolmade \fi
19626     {\@outputpage
19627     \@startdblcolumn}%
19628 \endgroup
19629 \global\jua@sk=0\global\jua@sar={}%
19630 \global\cor@height\z@\global\c@addvipersep\z@
19631 \fi
19632 \fi

```



```

19633 }
19634
19635
19636 \def\LTR@outputdblcol{%
19637   \if@firstcolumn
19638     \global \@firstcolumnfalse
19639     \global\setbox\@leftcolumn\copy\@outputbox
19640     \splitmaxdepth\maxdimen
19641     \vbadness\maxdimen
19642     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19643     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19644     \toks@ \expandafter{\topmark}%
19645     \xdef\@firstcoltopmark{\the\toks@}%
19646     \toks@ \expandafter{\splitfirstmark}%
19647     \xdef\@firstcolfirstmark{\the\toks@}%
19648     \ifx\@firstcolfirstmark\@empty
19649       \global\let\@setmarks\relax
19650     \else
19651       \gdef\@setmarks{%
19652         \let\firstmark\@firstcolfirstmark
19653         \let\topmark\@firstcoltopmark}%
19654     \fi
19655     \global\c@colht\@colht\global\c@advvipersep\z@
19656     \ifnum\juo@sk>0
19657       \remove@strip\juo@sar
19658       \global\@colht\the\juo@pr
19659       \ifdim\right@cor>\z@
19660         \global\advance\@colht by\right@cor
19661       \fi
19662       \global\advance\@colht by\cor@height
19663       \global\cor@height=Opt
19664     \fi
19665     \global\setbox\@rightcolumn\vbox{%
19666   \else
19667     \ifdim\c@colht>\@colht
19668       \@tempdima\@colht
19669       \ifdim\@colht>\z@
19670         \global\setbox\@rightcolumn\vbox{%
19671           \unvbox\@rightcolumn
19672           \vbox to\@tempdima{%
19673             \vskip\c@advvipersep\unvbox\@outputbox}%
19674           \vskip\stripsep
19675           \vrule height\the\juo@ht width Opt depth Opt
19676           \vskip\stripsep
19677           }%
19678         \global\c@advvipersep\m@advvipersep
19679       \else
19680         \global\setbox\@rightcolumn\vbox{%
19681           \unvbox\@rightcolumn
19682           \vrule height\the\juo@ht width Opt depth Opt
19683           \vskip\stripsep
19684           }%
19685       \fi
19686     \ifnum\juo@sk>0

```




```

19687         \remove@strip\juo@sar
19688         \global\@colht\the\juo@pr
19689         \global\advance\@colht by -\ht\@rightcolumn
19690         \global\advance\@colht by\cor@height
19691         \global\cor@height=0pt
19692     \else
19693         \global\advance\c@colht by-\ht\@rightcolumn
19694         \global\@colht\c@colht
19695     \fi
19696 \else
19697     \global\@firstcolumntrue
19698     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19699         \unvbox\@rightcolumn
19700         \vskip\c@addvipersep
19701         \unvbox\@outputbox
19702     }%
19703     \setbox\@outputbox \vbox {%
19704         \hb@xt@\textwidth {%
19705             \hb@xt@\columnwidth {%
19706                 \bidi@firstcolumn@status@write%
19707                 \box\@leftcolumn \hss}%
19708             \hfil
19709             \vrule \@width\columnseprule
19710             \hfil
19711             \hb@xt@\columnwidth {%
19712                 \bidi@lastcolumn@status@write%
19713                 \box\@outputbox \hss}%
19714             }%
19715         }%
19716     \@combinedblfloats
19717     \@setmarks
19718     \@outputpage
19719     \begingroup
19720         \@dblfloatplacement
19721         \@startdblcolumn
19722         \@whiles\if@fcolmade \fi
19723             {\@outputpage
19724              \@startdblcolumn}%
19725     \endgroup
19726     \global\juo@sk=0\global\juo@sar={}%
19727     \global\cor@height\z@\global\c@addvipersep\z@
19728     \fi
19729 \fi
19730 }
19731
19732
19733 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
19734 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
19735     \hsize\textwidth
19736     \@parboxrestore
19737     \col@number \@ne
19738     \vrule height\topskip width0pt depth0pt
19739 }
19740

```



```

19741 \def\endstrip{%
19742     \egroup\egroup
19743     \if@firstcolumn
19744         \ifdim\pagetotal>\z@
19745             \vskip\stripsep
19746             \global\ht@strip\pagegoal
19747             \global\advance\ht@strip by-\pagetotal
19748             \global\advance\ht@strip by-\stripsep
19749             \global\advance\ht@strip by-\ht@viper
19750             \global\advance\ht@strip by-\stripsep
19751             \global\jua@ht=\ht@viper
19752         \else
19753             \global\ht@strip\z@
19754         \fi
19755     \ifdim\ht@strip>\z@
19756         \unvbox\@viper
19757         \vskip\stripsep
19758         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
19759         \global\advance\jua@sk by1
19760     \else
19761         \@latex@error{Strip needs more place!}\@ehc
19762         \if@vihproof
19763             \framebox[\columnwidth]{??? Strip ???}%
19764         \fi
19765     \fi
19766 \else
19767     \@latex@error{Strip is used only on left column!}\@ehc
19768     \if@vihproof
19769         \framebox[\columnwidth]{??? Strip ???}%
19770     \fi
19771 \fi
19772 }

```

117 File minitoc-xetex-bidi.def

```

19773 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
19774 \def\@undottedtocline#1#2#3#4#5{%
19775     \ifnum #1>\c@tocdepth\relax \else
19776         \vskip \z@ plus.2\p@
19777         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmarg
19778         \parindent #2\relax\@afterindenttrue
19779         \interlinepenalty\@M
19780         \leavevmode
19781         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
19782         \hskip -\if@RTL\rightskip\else\leftskip\fi
19783         #4\nobreak\hfill \nobreak
19784         \null\par}%
19785     \fi}
19786 \def\@Undottedtocline#1#2#3#4#5{%
19787     \ifnum #1>\c@tocdepth\relax \else
19788         \vskip \z@ \@plus.2\p@
19789         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrma
19790         \parindent #2\relax\@afterindenttrue
19791         \interlinepenalty\@M

```



```

19792 \leavevmode
19793 \@tempdima #3\relax
19794 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19795 {\coffeefont #4}\nobreak \nobreak\null
19796 \par}%
19797 \fi}
19798 \def\@Undottedtoclinep#1#2#3#4#5{%
19799 \ifnum #1>\c@tocdepth\relax \else
19800 \vskip \z@ \@plus.2\p@
19801 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocma
19802 \parindent #2\relax\@afterindenttrue
19803 \interlinepenalty\@M
19804 \leavevmode
19805 \@tempdima #3\relax
19806 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19807 {#4}\nobreak \hfill \nobreak\null
19808 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
19809 \par}%
19810 \fi}

```

118 File multicol-xetex-bidi.def

```

19811 \ProvidesFile{multicol-xetex-bidi.def}[2022/07/10 v1.4 bidi adaptations for multicol package]
19812 \def\page@sofar{%
19813 \process@cols\mult@rightbox
19814 {\ifvoid\count@
19815 \setbox\count@\hbox to\hsize{}}%
19816 \else
19817 \wd\count@\hsize
19818 \fi}%
19819 \count@\col@number \advance\count@\m@ne
19820 \mult@info\z@
19821 {Column spec: \the\full@width\space = indent
19822 + columns + sep =\MessageBreak
19823 \the\multicol@leftmargin\space
19824 + \the\col@number\space
19825 x \the\hsize\space
19826 + \the\count@\space
19827 x \the\columnsep
19828 }%
19829 \ifvmode\else\errmessage{Multicol Error}\fi
19830 \nointerlineskip
19831 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
19832 \moveright\multicol@leftmargin
19833 \hbox to\full@width{%
19834 \bidi@multicol@align@columns
19835 \rlap{\phantom p}}%
19836 }%
19837 \prevdepth\z@
19838 \kern-\dimen\tw@
19839 \ifdim\dimen\tw@ > \mc@gridwarn
19840 \PackageWarning{multicol}%
19841 {Very deep columns!\MessageBreak
19842 Grid alignment might be broken}%

```



```

19843 \fi
19844 }
19845 \def\LTR@column@boxes{%
19846   \process@cols\mult@firstbox{%
19847     \ifdim\dp\count@>\dimen\tw@
19848       \global\dimen\tw@\dp\count@ \fi
19849     \mc@col@status@write
19850     \box\count@
19851     \hss{\columnseprulecolor\vrule
19852       \@width\columnseprule}\hss}%
19853   \ifdim\dp\mult@rightbox>\dimen\tw@
19854     \global\dimen\tw@\dp\mult@rightbox \fi
19855   \mc@lastcol@status@write
19856   \box\mult@rightbox
19857 }
19858
19859 \def\RTL@column@boxes{%
19860   \process@cols\mult@firstbox{%
19861     \hskip\hsize
19862     \hss{\columnseprulecolor\vrule
19863       \@width\columnseprule}\hss
19864   }%
19865   \hskip\hsize
19866   \process@cols\mult@firstbox{%
19867     \ifdim\dp\count@>\dimen\tw@
19868       \global\dimen\tw@\dp\count@ \fi
19869     \hskip-\hsize
19870     \mc@col@status@write
19871     \box\count@
19872     \hskip-\hsize
19873     \hskip-\columnsep
19874   }%
19875   \ifdim\dp\mult@rightbox>\dimen\tw@
19876     \global\dimen\tw@\dp\mult@rightbox \fi
19877   \hskip-\hsize
19878   \mc@lastcol@status@write
19879   \box\mult@rightbox
19880   \hskip-\hsize
19881   \hskip\full@width
19882 }
19883
19884 \newcommand\RTLMulticolcolumns
19885   {\let\ bidi@multicol@align@columns
19886     \RTL@column@boxes}
19887 \newcommand\LTRMulticolcolumns
19888   {\let\ bidi@multicol@align@columns
19889     \LTR@column@boxes}
19890 \newcommand\ bidi@multicol@align@columns
19891   {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
19892 \ bidi@AtEndPreamble{%
19893   \if@bidi@csdef{footinsv1}{%
19894     \def\footnoterule{\kern-3\p@
19895       \hrule \@width \textwidth \kern 2.6\p@}%
19896   }-}%

```



```

19897 }
19898 \def\multicols#1{\col@number#1\relax
19899   \ifnum\col@number<\tw@
19900     \PackageWarning{multicol}%
19901       {Using ` \number\col@number'
19902         columns doesn't seem a good idea.^^J
19903         I therefore use two columns instead}%
19904     \col@number\tw@ \fi
19905   \ifnum\col@number>20
19906     \PackageError{multicol}%
19907       {Too many columns}%
19908     {Current implementation doesn't
19909       support more than 20 columns.%
19910       \MessageBreak
19911       I therefore use 20 columns instead}%
19912     \col@number20 \fi
19913   \ifx\@footnotetext\mult@footnotetext
19914   \else
19915     \let\orig@footnotetext\@footnotetext
19916     \let\@footnotetext\mult@footnotetext
19917   \fi
19918   \ifx\@LTRfootnotetext\mult@LTRfootnotetext
19919   \else
19920     \let\orig@LTRfootnotetext\@LTRfootnotetext
19921     \let\@LTRfootnotetext\mult@LTRfootnotetext
19922   \fi
19923   \ifx\@RTLfootnotetext\mult@RTLfootnotetext
19924   \else
19925     \let\orig@RTLfootnotetext\@RTLfootnotetext
19926     \let\@RTLfootnotetext\mult@RTLfootnotetext
19927   \fi
19928   \@ifnextchar[\mult@cols{\mult@cols[]}]
19929 \long\def\mult@footnotetext#1{\begingroup
19930   \hsize\textwidth
19931   \columnwidth\textwidth
19932   \orig@footnotetext{#1}\endgroup}
19933 \long\def\mult@LTRfootnotetext#1{\begingroup
19934   \hsize\textwidth
19935   \columnwidth\textwidth
19936   \orig@LTRfootnotetext{#1}\endgroup}
19937 \long\def\mult@RTLfootnotetext#1{\begingroup
19938   \hsize\textwidth
19939   \columnwidth\textwidth
19940   \orig@RTLfootnotetext{#1}\endgroup}
19941 \def\right@footnoterule{%
19942   \kern-3\p@
19943   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
19944   \kern2.6\p@}
19945 \def\textwidth@footnoterule{\kern-3\p@
19946   \hrule \@width \textwidth \kern 2.6\p@}
19947 \def\ bidi@leave@mult@copyins{%
19948   \advance\dimen@-\skip\@bidi@copyins@
19949   \advance\dimen@-\ht\@bidi@copyins@
19950 }

```



```

19951
19952 \bidi@AtEndPreamble{%
19953   \if@bidi@csundef{footinsv@1}{%
19954     \bidi@patchcmd{\multi@column@out}{%
19955       \ifvbox \@kludgeins
19956     }{%
19957       \ifvoid\@bidi@copyins@ \else
19958         \bidi@leave@mult@copyins
19959       \fi
19960       \ifvbox \@kludgeins
19961     }{}{}%
19962   }{}%
19963 }
19964
19965

```

119 File multienum-xetex-bidi.def

```

19966 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
19967 \renewcommand{\itemx}[1]{\parbox[t]%
19968 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19969 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}\smallskip
19970 \renewcommand{\itemxx}[2]{\parbox[t]%
19971 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19972 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19973 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19974 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
19975 \renewcommand{\itemxxx}[3]{\parbox[t]%
19976 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19977 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19978 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19979 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
19980 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19981 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}\smallskip
19982 \renewcommand{\itemxxxx}[4]{\parbox[t]%
19983 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19984 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19985 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19986 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19987 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19988 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
19989 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19990 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
19991 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
19992 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19993 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
19994 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19995 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
19996 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19997 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
19998 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19999 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
20000 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20001 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}

```



```

20002 \renewcommand{\itemxox}[2]{\parbox[t]{%
20003 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20004 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
20005 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20006 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
20007 \renewcommand{\itemxox}[2]{\parbox[t]{%
20008 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20009 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
20010 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20011 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
20012 \renewcommand{\itemxox}[3]{\parbox[t]{%
20013 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20014 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
20015 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20016 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
20017 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20018 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
20019 \renewcommand{\itemxox}[3]{\parbox[t]{%
20020 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20021 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
20022 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20023 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
20024 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20025 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
20026 \renewcommand{\itemxox}[3]{\parbox[t]{%
20027 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20028 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
20029 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20030 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
20031 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20032 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

120 File natbib-xetex-bidi.def

```

20033 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
20034 \renewenvironment{thebibliography}[1]{%
20035 \bibsection
20036 \parindent\z@
20037 \bibpreamble
20038 \bibfont
20039 \ifRTL\ifLTRbibitems@RTLfalse\else\fi\else\ifRTLBibitems@RTLtrue\else\fi\fi
20040 \bidi@thebibliography@font@hook%
20041 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
20042 \ifNAT@openbib
20043 \renewcommand\newblock{\par}%
20044 \else
20045 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
20046 \fi
20047 \sloppy\clubpenalty4000\widowpenalty4000
20048 \sfcode\.\@m
20049 \let\NAT@bibitem@first@sw\@firstoftwo
20050 \let\citeN\cite \let\shortcite\cite
20051 \let\citeasnoun\cite
20052 }{%

```



```

20053 \bibitem@fin
20054 \bibpostamble
20055 \def\@noitemerr{%
20056 \PackageWarning{natbib}{Empty `thebibliography' environment}%
20057 }%
20058 \endlist
20059 \bibcleanup
20060 }%

```

121 File newfloat-xetex-bidi.def

```

20061 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
20062 \renewcommand*\newfloat@setwithin[2]{%
20063 \ifcsname c@chapter\endcsname
20064 \@removefromreset{#1}{chapter}%
20065 \fi
20066 \@removefromreset{#1}{section}%
20067 \edef\@tempa{#2}%
20068 \ifx\@tempa\@empty
20069 \def\@tempa{none}%
20070 \fi
20071 \def\@tempb{none}%
20072 \ifx\@tempa\@tempb
20073 \ifcsname c@chapter\endcsname
20074 \@chapterlistsgap@off{#1}%
20075 \fi
20076 \newfloat@@setwithin{#1}{}{}%
20077 \else
20078 \def\@tempb{chapter}%
20079 \ifx\@tempa\@tempb
20080 \@addtoreset{#1}{chapter}%
20081 \@chapterlistsgap@on{#1}%
20082 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@S
20083 \else
20084 \def\@tempb{section}%
20085 \ifx\@tempa\@tempb
20086 \@addtoreset{#1}{section}%
20087 \ifcsname c@chapter\endcsname
20088 \@addtoreset{#1}{chapter}%
20089 \@chapterlistsgap@on{#1}%
20090 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
20091 \else
20092 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
20093 \fi
20094 \else
20095 \newfloat@Error{Invalid value `#2' for option `within'}%
20096 \fi
20097 \fi
20098 \fi}

```

122 File nicematrix-xetex-bidi.def

```

20099 \ProvidesFile{nicematrix-xetex-bidi.def}[2022/07/18 v0.2 bidi adaptations for nicematrix pac
20100 \ExplSyntaxOn

```




```

20101 \bidi@patchcmd{\__nicematrix_array:n}{\@tabarray}{%
20102 \bool_if:NF \l__nicematrix_NiceTabular_bool \@RTLtabfalse
20103 \@tabarray
20104 }{}{}
20105 \ExplSyntaxOff
20106

```

123 File ntheorem-xetex-bidi.def

```

20107 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
20108 \gdef\@thm#1#2#3{%
20109 \if@thmmarks
20110 \stepcounter{end\InTheoType ctr}%
20111 \fi
20112 \renewcommand{\InTheoType}{#1}%
20113 \if@thmmarks
20114 \stepcounter{curr#1ctr}%
20115 \setcounter{end#1ctr}{0}%
20116 \fi
20117 \refstepcounter{#2}%
20118 \theorem@prework
20119 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
20120 \ifvmode \advance\thm@topsepadd\partopsep\fi
20121 \trivlist
20122 \@topsep \theorempreskipamount
20123 \@topsepadd \thm@topsepadd % used by \@endparenv
20124 \advance\linewidth -\theorem@indent
20125 \advance\@totalleftmargin \theorem@indent
20126 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
20127 \@ifnextchar [{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

124 File ntheorem-hyper-xetex-bidi.def

```

20128 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
20129 \gdef\@thm#1#2#3{%
20130 \if@thmmarks
20131 \stepcounter{end\InTheoType ctr}%
20132 \fi
20133 \renewcommand{\InTheoType}{#1}%
20134 \if@thmmarks
20135 \stepcounter{curr#1ctr}%
20136 \setcounter{end#1ctr}{0}%
20137 \fi
20138 \refstepcounter{#2}%
20139 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
20140 \ifvmode \advance\thm@topsepadd\partopsep\fi
20141 \trivlist
20142 \@topsep \theorempreskipamount
20143 \@topsepadd \thm@topsepadd % used by \@endparenv
20144 \advance\linewidth -\theorem@indent
20145 \advance\@totalleftmargin \theorem@indent
20146 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
20147 \@ifnextchar [{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```



125 File overpic-xetex-bidi.def

```
20148 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package f
20149 \renewenvironment{overpic}[2][\%
20150 \sbox{\z@}{\includegraphics[#1]{#2}}%
20151 \settodepth{\@tempcnta}{\usebox{\z@}}%
20152 \settoheight{\@tempcntb}{\usebox{\z@}}%
20153 \advance\@tempcntb\@tempcnta%
20154 \settowidth{\@tempcnta}{\usebox{\z@}}%
20155 \setlength{\@tempdima}{\unitlength}%
20156 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
20157 %
20158 \OVP@calc%
20159 %
20160 \begin{picture}(\@tempcnta,\@tempcntb)%
20161 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
20162 \ifGin@grid%
20163 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
20164 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
20165 \fi\fi%
20166 % reset the graphics parameter
20167 \let\Gin@outer@scalex\relax
20168 \let\Gin@outer@scaley\relax
20169 \let\Gin@angle\relax
20170 \let\Gin@ewidth\Gin@exclamation
20171 \let\Gin@eheight\Gin@ewidth
20172 \def\Gin@scalex{1}
20173 \let\Gin@scaley\Gin@exclamation
20174 }{\%
20175 \if@RTL\ifGin@grid%
20176 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
20177 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
20178 \fi%
20179 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
20180 \end{picture}}%
20181 }%
```

126 File pdfbase-xetex-bidi.def

```
20182 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
20183 \ExplSyntaxOn
20184 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
20185 \cs_set_nopar:Npn\@outputpage{
20186 \int_gincr:N\g_pbs_page_int
20187 \box_if_vertical:cTF{\outputbox}{
20188 \bool_set_true:N\l_pbs_is_vertical_bool
20189 }{
20190 \bool_set_false:N\l_pbs_is_vertical_bool
20191 }
20192 \hbox_set:Nn\@outputbox{
20193 %begin of page
20194 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
20195 \box_use_drop:N\@outputbox
20196 %end of page
```



```

20197   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
20198 }
20199 \bool_if:NT\l_pbs_is_vertical_bool{
20200   \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
20201 }
20202 \pbs_outputpage_orig:
20203 }
20204 \ExplSyntaxOff

```

127 File pdfscape-xetex-bidi.def

```

20205 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape packa
20206 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
20207   \if@RTL
20208     \PLS@Rotate{-90}%
20209   \else
20210     \PLS@Rotate{90}%
20211   \fi
20212 }{}{}

```

128 File pdfpages-xetex-bidi.def

```

20213 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package
20214 \renewcommand*{\includepdf}[2] [] {%
20215   \begingroup
20216   \@RTLfalse
20217   \let\AM@threadname\relax
20218   \AM@split@options{pdfpages}{#1}%
20219   \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
20220   \expandafter\setkeys\AM@temp
20221   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
20222     \let\AM@currentdocname\relax
20223     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
20224     \def\AM@pagecount{0}%
20225   }{%
20226     \AM@findfile{#2}%
20227     \if\AM@threadname\relax
20228       \def\AM@threadname{\AM@currentdocname}%
20229     \fi
20230   }%
20231   \ifAM@survey
20232     \def\AM@pagestemp{}%
20233     \@tempcnta=0
20234     \def\foo{%
20235       \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
20236       {\let\foo\relax}
20237       {\expandafter\ifx\expandafter\\AM@pagestemp\\
20238         \edef\AM@pagestemp{%
20239           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
20240       \else
20241         \edef\AM@pagestemp{\AM@pagestemp,%
20242           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
20243       \fi
20244     \advance\@tempcnta 1\relax

```



```

20245     }%
20246     \foo
20247   }%
20248   \foo
20249   \expandafter\ifx\expandafter\\\AM@pagetemp\\
20250     \def\AM@pagetemp{1}%
20251   \fi
20252 \fi
20253 \ifAM@output
20254   \expandafter\AM@readlist\expandafter{\AM@pagetemp}%
20255   \AM@output{#1}%
20256 \fi
20257 \AM@CheckAtEnd
20258 \endgroup
20259 \AM@ClearShipoutPicture
20260 }

```

129 File pgfcorescopes.code-xetex-bidi.def

```

20261 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
20262 \def\pgfpicture{%
20263   \begingroup%
20264   \ifmmode\else\@RTLfalse\beginL\fi%
20265   \pgfpicturetrue%
20266   \global\advance\pgf@picture@serial@count by1\relax%
20267   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
20268   \let\pgf@nodecallback=\pgfutil@gobble%
20269   \pgf@picmaxx=-16000pt\relax%
20270   \pgf@picminx=16000pt\relax%
20271   \pgf@picmaxy=-16000pt\relax%
20272   \pgf@picminy=16000pt\relax%
20273   \pgf@relevantforpicturesizetrue%
20274   \pgf@resetpathsizes%
20275   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
20276 \def\endpgfpicture{%
20277   \ifpgfrememberpicturepositiononpage%
20278     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
20279   \fi%
20280   % ok, now let's position the box
20281   \ifdim\pgf@picmaxx=-16000pt\relax%
20282     % empty picture. make size 0.
20283     \global\pgf@picmaxx=0pt\relax%
20284     \global\pgf@picminx=0pt\relax%
20285     \global\pgf@picmaxy=0pt\relax%
20286     \global\pgf@picminy=0pt\relax%
20287   \fi%
20288   % Shift baseline outside:
20289   \pgf@relevantforpicturesizefalse%
20290   \pgf@process{\pgf@baseline}%
20291   \xdef\pgf@shift@baseline{\the\pgf@y}%
20292   %
20293   \pgf@process{\pgf@trimleft}%
20294   \global\advance\pgf@x by-\pgf@picminx
20295   % prepare \hskip\pgf@trimleft@final.

```



```

20296         % note that \pgf@trimleft@final is also queried
20297         % by the pgf image externalization.
20298         \xdef\pgf@trimleft@final{-\the\pgf@x}%
20299         %
20300         \pgf@process{\pgf@trimright}%
20301         \global\advance\pgf@x by-\pgf@picmaxx
20302         % prepare \hskip\pgf@trimright@final.
20303         % note that \pgf@trimright@final is also queried
20304         % by the pgf image externalization.
20305         \xdef\pgf@trimright@final{\the\pgf@x}%
20306     %
20307     \pgf@remember@layerlist@globally
20308     \endgroup%
20309     \hss%
20310     \egroup%
20311     \pgf@restore@layerlist@from@global
20312     \pgf@insertlayers%
20313     \endgroup%
20314     \pgfsys@discardpath%
20315     \endgroup%
20316     \pgfsys@endscope%
20317     \pgfsys@endpicture%
20318     \endgroup%
20319     \hss
20320 \egroup%
20321 \pgfsys@typesetpicturebox\pgfpic%
20322 \ifmmode\else\endL\fi%
20323 \endgroup%
20324 }

```

130 File pgfsys.code-xetex-bidi.def

```

20325 \ProvidesFile{pgfsys.code-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for pgfsys.code.t
20326 \def\pgfsys@shadingoutsidepgfpicture#1{%
20327 \beginL#1\endL%
20328 }
20329
20330

```

131 File picinpar-xetex-bidi.def

```

20331 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package
20332 \long\def\@makewincaption#1#2{%
20333 \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
20334 \ifdim\wd\@tempboxa>\picwd
20335 {\footnotesize{\bf #1:\enspace}{#2\par}}
20336 \else
20337 \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
20338 \fi}
20339 \def\endwindow{%
20340 \global\tcd=\tcdsav
20341 \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
20342 \vbadness=10000
20343 \splittopskip=Opt

```



```

20344 %
20345 % Typeset the lines above the window
20346 %
20347 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
20348 \tcn=\tcd
20349 \loop\advance\tcn -1
20350 \setbox\fslice=\vsplit\holder to\baselineskip
20351 \prune\fslice\linewidth
20352 \topheight=0pt
20353 \ifnum\dp\fslice>\dp\wstrutbox
20354     \advance\topheight-\dp\fslice
20355     \advance\topheight\dp\wstrutbox
20356     \advance\topheight\ilg\fi
20357 \hbox to\linewidth{\box\fslice}
20358 \vskip-\topheight
20359 \ifdim\ht\holder>0pt\repeat
20360 \fi
20361 %
20362 % Now we build the boxes beside the window
20363 %
20364 \global\topheight=\tcl\baselineskip
20365 \ifnum\cumpartcl>0\global\tcl=\cumtcl
20366     \global\topheight=\vpic
20367 \fi
20368 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
20369 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
20370 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
20371 \tcn=\tcl \na=0 \nb=0
20372 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
20373 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
20374 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
20375 \ifnum\na=0\ifnum\nb=0
20376     \setbox\waslice=\vbox to\vpic{\vss}
20377     \setbox\wbslice=\vbox to\vpic{\vss}
20378     \bl=1\br=1
20379     \vskip\ilg
20380 \fi\fi
20381 %
20382 % both sides
20383 %
20384 \ifnum\na>0 \ifnum\nb>0
20385 \loop\advance\nb -1
20386 \advance\na -1
20387 \if@RTL%
20388 \setbox\bslice=\vsplit\holder to\baselineskip
20389 \prune\bslice\rtside
20390 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20391 to\rtside{\box\bslice\hfil}}
20392 \setbox\aslice=\vsplit\holder to\baselineskip
20393 \prune\aslice\lftside
20394 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20395 to\lftside{\box\aslice\hfil}}
20396 \else%
20397 \setbox\aslice=\vsplit\holder to\baselineskip

```



```

20398 \prune\aslice\lftside
20399 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20400 to\lftside{\box\aslice\hfil}}
20401 \setbox\bslice=\vsplit\holder to\baselineskip
20402 \prune\bslice\rtside
20403 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20404 to\rtside{\box\bslice\hfil}}
20405 \fi%
20406 \ifnum\nb>0\repeat
20407 \fi\fi
20408 %
20409 % only text on the left side
20410 %
20411 \ifnum\na>0
20412   \loop\advance\na -1
20413   \setbox\aslice=\vsplit\holder to\baselineskip
20414   \prune\aslice\lftside
20415   \setbox\waslice=\vbox{\unvbox\waslice\hbox
20416   to\lftside{\box\aslice\hfil}}
20417   \ifdim\ht\holder>0pt\repeat
20418 \fi
20419 %
20420 % only text on the right side
20421 %
20422 \ifnum\nb>0
20423   \loop\advance\nb -1
20424   \setbox\bslice=\vsplit\holder to\baselineskip
20425   \prune\bslice\rtside
20426   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20427   to\rtside{\box\bslice\hfil}}
20428   \ifdim\ht\holder>0pt\repeat
20429 \fi
20430 %
20431 % fixing the dimensions of the window part
20432 %
20433 \ifnum\bl=0\topheight=\ht\wbslice
20434 \else\ifnum\br=0\topheight=\ht\waslice
20435   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
20436   \else\topheight=\ht\wbslice\fi\fi\fi
20437 %
20438 % ship out the window material to the main vertical list
20439 %
20440 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
20441 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
20442 \fi\fi\fi
20443 \setbox>windowbox=\vbox{\hbox to\linewidth{%
20444 \ifnum\bl>0\box\waslice\hfill\fi%
20445 \vbox to\topheight{\hrule width\picwd heightOpt depthOpt\vskipOpt%
20446 \vfill\unvbox\picbox%
20447 \ifnum\picwd>0\vfill\fi%
20448 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
20449 \unvbox>windowbox%
20450 \loop
20451 \setbox\bslice=\vsplit\rawtext to\baselineskip

```



```

20452 \prune\bslice\linewidth
20453 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
20454 \unvbox\wbslice
20455 \ifdim\ht\rawtext>0pt
20456 \repeat
20457 }% FINITO

```

132 File plain-xetex-bidi.def

```

20458 \def\TeXeTOn{\TeXeTstate=1 }
20459 \def\TeXeTOff{\TeXeTstate=0 }
20460 \TeXeTOn
20461 \def\usebox#1{\leavevmode\copy #1\relax}
20462 \def\ bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox#1\fi}
20463 \let\ bidi@o@everypar=\everypar
20464 \newtoks\ bidi@n@everypar
20465 \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
20466 \ bidi@o@everypar{\ bidi@RTL@everypar\the\ bidi@n@everypar}
20467 \let\ everypar=\ bidi@n@everypar
20468 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20469 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20470 \protected\def\hboxR{\hbox\bgroup
20471 \everyhbox{%
20472 \aftergroup\egroup
20473 \everyhbox{}}%
20474 \beginR
20475 \@hboxRconstructtrue
20476 \bgroup
20477 \aftergroup\endR
20478 \aftergroup\egroup
20479 }\hbox}
20480 \protected\def\hboxL{\hbox\bgroup
20481 \everyhbox{%
20482 \aftergroup\egroup
20483 \everyhbox{}}%
20484 \beginL
20485 \@hboxRconstructfalse
20486 \bgroup
20487 \aftergroup\endL
20488 \aftergroup\egroup
20489 }\hbox}
20490 \protected\def\vboxR{\vbox\bgroup
20491 \everyvbox{%
20492 \aftergroup\egroup
20493 \everyvbox{}}%
20494 \@RTLtrue
20495 \bgroup
20496 \aftergroup\egroup
20497 }\vbox}
20498 \protected\def\vboxL{\vbox\bgroup
20499 \everyvbox{%
20500 \aftergroup\egroup
20501 \everyvbox{}}%
20502 \@RTLfalse

```




```

20503 \bgroup
20504 \aftergroup\egroup
20505 }\vbox}
20506 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
20507 \def\endLTR{\par}
20508 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
20509 \def\endRTL{\par}
20510 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
20511 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
20512 \let\unsetRTL=\setRTL
20513 \let\unsetLTR=\setLTR
20514 \let\LR=\LRE
20515 \let\RL=\RLE
20516 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20517 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20518 \let\@ensure@RL=\@ensure@RTL
20519 \let\@ensure@LR=\@ensure@LTR
20520 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20521 \let\@ensure@maindir=\@ensure@dir
20522 \def\@RTL{RTL}
20523 \def\@LTR{LTR}
20524 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20525 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
20526 \let\@TeX\TeX
20527 \def\TeX{\@ensure@LTR{\@TeX}}
20528 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi}
20529 \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
20530 \ifvoid\footins\else % footnote info is present
20531 \vskip\skip\footins
20532 \footnoterule
20533 \unvbox\footins\fi
20534 \ifrggedbottom \kern-\dimen@ \vfil \fi
20535 \ifvoid\@bidi@copyins@
20536 \else
20537 \vskip\skip\@bidi@copyins@
20538 \unvbox\@bidi@copyins@
20539 \fi
20540 }
20541 \long\def\@bidi@reflect@box#1{%
20542 \leavevmode
20543 \setbox\z@\hbox{#1}%
20544 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:restore}}
20545 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
20546 }
20547 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
20548 \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20549 \let\setRL=\setRTL
20550 \let\setLR=\setLTR
20551 \let\unsetRL=\setLTR
20552 \let\@bidi@samed@eqno=\eqno
20553 \let\@bidi@samed@leqno=\leqno
20554 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@samed@leqno \else \@bidi@samed@eqno \fi}
20555 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@samed@eqno \else \@bidi@samed@leqno \fi}
20556 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}

```



```

20557 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20558 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

133 File pstricks-xetex-bidi.def

```

20559 \ProvidesFile{pstricks-xetex-bidi.def}[2022/09/22 v0.6 bidi adaptations for pstricks package]
20560 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
20561 \def\endpspicture{%
20562   \ifshowgrid\ifnum\showgridp@s>0
20563     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
20564   \pst@killglue
20565 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
20566   \endgroup
20567   \egroup
20568   \ifdim\wd\pst@hbox=\z@\else
20569     %\@pstrickserr{Extraneous space in the pspicture environment}%
20570     %\Type \space <return> \space to proceed.}%
20571   \fi
20572   \ht\pst@hbox=\pst@dimd
20573   \dp\pst@hbox=-\pst@dimb
20574   \setbox\pst@hbox=\hbox{%
20575     \kern-\pst@dima
20576 % Orig version -----
20577 %\ifx\pst@tempa\@empty\else
20578 %\advance\pst@dimd-\pst@dimb
20579 %\pst@dimd=\pst@tempa\pst@dimd
20580 %\advance\pst@dimd\pst@dimb
20581 %\lower\pst@dimd
20582 %\fi
20583 %----- end Orig
20584   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
20585     \advance\pst@dimd-\pst@dimb
20586     \pst@dimd=0.5\pst@dimd
20587   \else\pst@dimd-\pst@shift\fi
20588   \advance\pst@dimd\pst@dimb
20589   \lower\pst@dimd
20590   \box\pst@hbox
20591   \kern\pst@dimc}%
20592 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
20593 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
20594 \fboxsep=0pt
20595 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
20596 \ifmmode\else\endL\fi
20597 \endgroup%
20598 \psset[pstricks]{shift=0}% reset value
20599 }
20600
20601 \bidi@patchcmd\@scalebox{%
20602   \special{x: bscale \pst@tempc \pst@tempd}%
20603   \hbox to \z@{\box\pst@hbox\hss}%
20604   \special{x: escale}%
20605 }{%
20606   \if@RTL
20607     \special{x: escale}%

```



```

20608 \else
20609   \special{x: bscale \pst@tempc \pst@tempd}%
20610 \fi
20611 \hbox to \z@{\box\pst@hbox\hss}%
20612 \if@RTL
20613   \special{x: bscale \pst@tempc \pst@tempd}%
20614 \else
20615   \special{x: escale}%
20616 \fi
20617 }{}{}
20618 \let\ps@@scalebox\@scalebox
20619

```

134 File quotchap-xetex-bidi.def

```

20620 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
20621 \renewcommand{\qauthor}[1]{%
20622   \par\smallskip
20623   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{\par}\bigskip}
20624 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
20625   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
20626     {\chapnumfont
20627       \ifnum \c@secnumdepth >\m@ne%
20628         \if@mainmatter\thechapter%
20629         \fi\fi
20630         \par\nobreak}%
20631       {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi
20632       \nobreak\chapterheadendvskip}}
20633 \renewcommand*{\@iprintcites}{%
20634   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
20635   \global\let\@printcites\relax}

```

135 File ragged2e-xetex-bidi.def

```

20636 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
20637 \renewcommand{\Centering}{%
20638   \ifx\\ \@raggedtwo@savedcr
20639     \let\\ \@centercr
20640   \fi
20641   \let\@gnewline\@raggedtwo@gnewline
20642   \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
20643   \@rightskip\CenteringRightskip
20644   \if@RTL\leftskip\else\rightskip\fi\@rightskip
20645   \parfillskip\CenteringParfillskip
20646   \parindent\CenteringParindent
20647   \@raggedtwo@spaceskiptrue
20648   \@raggedtwo@everyselectfont
20649   }
20650 \renewcommand{\RaggedLeft}{%
20651   \ifx\\ \@raggedtwo@savedcr
20652     \let\\ \@centercr
20653   \fi
20654   \let\@gnewline\@raggedtwo@gnewline
20655   \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip

```



```

20656 \@rightskip\RaggedLeftRightskip
20657 \if@RTL\leftskip\else\rightskip\fi\@rightskip
20658 \parfillskip\RaggedLeftParfillskip
20659 \parindent\RaggedLeftParindent
20660 \@raggedtwo@spaceskiptrue
20661 \@raggedtwo@everyselectfont
20662 }
20663 \renewcommand{\RaggedRight}{%
20664 \ifx\\ \@raggedtwo@savedcr
20665 \let\\ \@centercr
20666 \fi
20667 \let\@gnewline\@raggedtwo@gnewline
20668 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
20669 \@rightskip\RaggedRightRightskip
20670 \if@RTL\leftskip\else\rightskip\fi\@rightskip
20671 \parfillskip\RaggedRightParfillskip
20672 \parindent\RaggedRightParindent
20673 \@raggedtwo@spaceskiptrue
20674 \@raggedtwo@everyselectfont
20675 }
20676 \renewcommand{\justifying}{%
20677 \let\\ \@raggedtwo@savedcr
20678 \let\@gnewline\@raggedtwo@saved@gnewline
20679 \if@RTL\rightskip\else\leftskip\fi\z@
20680 \@rightskip\z@
20681 \if@RTL\leftskip\else\rightskip\fi\@rightskip
20682 \parfillskip\JustifyingParfillskip
20683 \parindent\JustifyingParindent
20684 \@raggedtwo@spaceskipfalse
20685 \@raggedtwo@everyselectfont
20686 }
20687 \def\@raggedtwo@raggedrightboxes@opt{%
20688 \renewcommand{\@arrayparboxrestore}{%
20689 \let\if@nobreak\iffalse
20690 \let\if@noskipsec\iffalse
20691 \let\par\@par
20692 \let\-\@dischyph
20693 \let'\@acci\let`\@accii\let\=\@acciii
20694 \parskip\z@skip
20695 \everypar{}%
20696 \linewidth\hsize
20697 \@totalleftmargin\z@
20698 \if@RTL
20699 \RaggedLeft
20700 \else
20701 \RaggedRight
20702 \fi
20703 \lineskip\normallineskip
20704 \baselineskip\normalbaselineskip
20705 \sloppy}%
20706 \let\@raggedtwo@raggedrightboxes@opt\relax
20707 }
20708 \def\@raggedtwo@document@opt{%
20709 \AtBeginDocument{\@raggedtwo@abdhook}%

```



```

20710 \@raggedtwoe@raggedrightboxes@opt
20711 \@raggedtwoe@footmisctrue
20712 \let\@raggedtwoe@document@opt\relax
20713 }
20714 \def\@raggedtwoe@abdhook{%
20715 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
20716 right to left documents and '\string\RaggedRight' for left
20717 to right documents}%
20718 \if@RTL
20719 \RaggedLeft
20720 \else
20721 \RaggedRight
20722 \fi
20723 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
20724 \let\@raggedtwoe@abdhook\relax
20725 }
20726 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
20727 \@raggedtwoe@raggedrightboxes@opt
20728 }{}
20729 \@ifpackagewith{ragged2e}{document}{%
20730 \@raggedtwoe@document@opt
20731 }{}
20732 \let\origin@RaggedLeft=\RaggedLeft
20733 \let\origin@RaggedRight=\RaggedRight
20734 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
20735 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

136 File rapport1-xetex-bidi.def

```

20736 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
20737 \renewenvironment{theindex}{%
20738 \if@twocolumn
20739 \@restonecolfalse
20740 \else
20741 \@restonecoltrue
20742 \fi
20743 \columnseprule \z@
20744 \columnsep 35\p@
20745 \twocolumn[\@makeschapterhead{\indexname}]%
20746 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20747 \thispagestyle{plain}\parindent\z@
20748 \parskip\z@ \@plus .3\p@\relax
20749 \let\item\@idxitem
20750 }{%
20751 \if@restonecol\onecolumn\else\clearpage\fi}
20752 \renewcommand*{head@style}{%
20753 \interlinepenalty \@M
20754 \hyphenpenalty=\@M \exhyphenpenalty=\@M
20755 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
20756 \if@titlepage
20757 \renewenvironment{abstract}{%
20758 \titlepage
20759 \null\vfil
20760 \section*{\SectFont\abstractname}%

```



```

20761     \noindent\ignorespaces}
20762     {\par\vfil\null\endtitlepage}
20763 \else
20764   \renewenvironment{abstract}{%
20765     \if@twocolumn
20766       \section*{\abstractname}%
20767     \else
20768       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
20769       \section*{\small\SectFont\abstractname}%
20770       \noindent\ignorespaces
20771     \fi}
20772   {\if@twocolumn\else\par\egroup\fi}
20773 \fi
20774 \renewcommand*\@regtocline[3]{%
20775   \ifnum #1>\c@tocdepth
20776   \else
20777     \vskip\z@\@plus.2\p@
20778     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
20779     \if@RTL\rightskip\else\leftskip\fi\unitindent
20780     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
20781     \parfillskip\z@
20782     \@tempdima\unitindent
20783     \parindent\z@
20784     \leavevmode
20785     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
20786     \hskip 1em \nobreak{\slshape #3}\par
20787     }%
20788   \fi}
20789 \if@oldtoc
20790 \renewcommand*\l@part[2]{%
20791   \ifnum \c@tocdepth >-2\relax
20792     \addpenalty{-\@highpenalty}%
20793     \addvspace{2.25em \@plus\p@}%
20794     \begingroup
20795       \setlength\@tempdima{3em}%
20796       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20797       \parfillskip -\@pnumwidth
20798       {\leavevmode
20799         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
20800         \nobreak
20801         \global\@nobreaktrue
20802         \everypar{\global\@nobreakfalse\everypar{}}%
20803       \endgroup
20804     \fi}
20805 \else
20806   \renewcommand*\l@part{%
20807     \ifnum \c@tocdepth >-2\relax
20808       \addpenalty{-\@highpenalty}%
20809       \addvspace{2.25em \@plus \p@}%
20810       \@regtocline{0}%
20811     \fi}
20812 \fi
20813 \if@oldtoc
20814 \renewcommand*\l@chapter[2]{%

```



```

20815 \addpenalty{-\@highpenalty}%
20816 \vskip 1.0em \@plus\p@
20817 \setlength\@tempdima{1.5em}%
20818 \begingroup
20819 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20820 \parfillskip -\@pnumwidth
20821 \leavevmode \bfseries
20822 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
20823 \hskip -\if@RTL\rightskip\else\leftskip\fi
20824 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
20825 \penalty\@highpenalty
20826 \endgroup}
20827 \else
20828 \renewcommand*\l@chapter{\@regtocline{0}}
20829 \fi
20830 \renewcommand*\left@footnoterule{%
20831 \kern-3\p@
20832 \kern.5\baselineskip
20833 \hrule\@width\unitindent
20834 \kern.4\baselineskip
20835 }
20836 \renewcommand*\right@footnoterule{%
20837 \kern-3\p@
20838 \kern.5\baselineskip
20839 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
20840 \kern.4\baselineskip}
20841 \renewenvironment{thebibliography}[1]
20842 {\chapter*\bibname}%
20843 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
20844 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
20845 \bidi@thebibliography@font@hook%
20846 \list{\@biblabel{\@arabic\c@enumiv}}%
20847 {\settowidth\labelwidth{\@biblabel{#1}}%
20848 \leftmargin\labelwidth
20849 \advance\leftmargin\labelsep
20850 \@openbib@code
20851 \usecounter{enumiv}%
20852 \let\p@enumiv\@empty
20853 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
20854 \sloppy\clubpenalty4000\widowpenalty4000%
20855 \sfcode`. \@m}
20856 {\def\@noitemerr
20857 {\@latex@warning{Empty `thebibliography' environment}}}%
20858 \endlist}
20859 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
20860 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
20861 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
20862 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20863 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
20864 \renewcommand*\theequation{%
20865 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
20866 \renewcommand*\thefigure{%
20867 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
20868 \renewcommand*\thetable{%

```



```

20869 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
20870 \if@titlepage
20871 \renewcommand*{\TitleFont{\rmfamily}
20872 \renewcommand*{\maketitle{%
20873 \begin{titlepage}%
20874 \let\footnotesize\small
20875 \let\right@footnoterule\relax
20876 \let\left@footnoterule\relax
20877 \let\textwidth@footnoterule\relax
20878 \let \footnote \thanks
20879 \long\def\@makefntext##1{\parindent\z@
20880 \def\labelitemi{\textendash}\@revlabeltrue
20881 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20882 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20883 \ifcompatibility\setcounter{page}{0}\fi
20884 \null\vfil
20885 \vskip 60\p@
20886 \begin{center}%
20887 \TitleFont
20888 {\LARGE \def\{\penalty -\@M}
20889 \if@allcaps
20890 \expandafter\c@nothanks\@title\thanks\relax
20891 \else
20892 \@title
20893 \fi\par}%
20894 \vskip 3em%
20895 {\large
20896 \lineskip .75em \parindent\z@
20897 \begin{tabular}[t]{c}%
20898 \if@allcaps
20899 \expandafter\c@authornothanks\@author\and\relax
20900 \else
20901 \@author
20902 \fi
20903 \end{tabular}\par}%
20904 \vskip 1.5em%
20905 {\large
20906 \if@allcaps
20907 \uppercase\expandafter{\@date}%
20908 \else
20909 \@date
20910 \fi\par}%
20911 \end{center}\par
20912 \@thanks
20913 \vfil\null
20914 \end{titlepage}%
20915 \setcounter{footnote}{0}%
20916 \global\let\thanks\relax
20917 \global\let\maketitle\relax
20918 \global\let\@thanks\@empty
20919 \global\let\@author\@empty
20920 \global\let\@title\@empty
20921 \global\let\@date\@empty
20922 \global\let\title\relax

```




```

20923 \global\let\author\relax
20924 \global\let\date\relax
20925 \global\let\and\relax
20926 }
20927 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
20928 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
20929 \futurelet\@tempa\uc@ax}
20930 \def\uc@ax{%
20931 \ifx\@tempa\relax
20932 \else
20933 \ \andname \ \expandafter\uc@authornothanks
20934 \fi}
20935 \def\uc@tx{\ifx\@tempa\relax
20936 \else \expandafter\uc@ty \fi}
20937 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
20938 \else
20939 \renewcommand*\maketitle{\par
20940 \begingroup
20941 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20942 \def\@makefnmark{\rlap{%
20943 \textsuperscript{\normalfont\@thefnmark}}}%
20944 \long\def\@makefntext{\@xmakefntext{%
20945 \textsuperscript{\normalfont\@thefnmark}}}%
20946 \if@twocolumn
20947 \ifnum \col@number=\@ne
20948 \maketitle
20949 \else
20950 \twocolumn[\maketitle]%
20951 \fi
20952 \else
20953 \newpage
20954 \global\@topnum\z@
20955 \maketitle
20956 \fi
20957 \thispagestyle{plain}\@thanks
20958 \endgroup
20959 \setcounter{footnote}{0}%
20960 \global\let\thanks\relax
20961 \global\let\maketitle\relax
20962 \global\let\@maketitle\relax
20963 \global\let\@thanks\@empty
20964 \global\let\@author\@empty
20965 \global\let\@title\@empty
20966 \global\let\@date\@empty
20967 \global\let\title\relax
20968 \global\let\author\relax
20969 \global\let\date\relax
20970 \global\let\and\relax
20971 }
20972 \def\@maketitle{%
20973 \newpage
20974 \null
20975 \vskip 2em%
20976 \begin{center}%

```



```

20977 \let \footnote \thanks
20978 {\LARGE \TitleFont \@title \par}%
20979 \vskip 1.5em%
20980 {\large \TitleFont
20981 \lineskip .5em%
20982 \begin{tabular}[t]{c}%
20983 \@author
20984 \end{tabular}\par}%
20985 \vskip 1em%
20986 {\large \TitleFont \@date}%
20987 \end{center}%
20988 \par
20989 \vskip 1.5em}
20990 \fi

```

137 File rapport3-xetex-bidi.def

```

20991 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
20992 \renewenvironment{theindex}{%
20993 \if@twocolumn
20994 \@restonecolfalse
20995 \else
20996 \@restonecoltrue
20997 \fi
20998 \columnseprule \z@
20999 \columnsep 35\p@
21000 \twocolumn[\@makeschapterhead{\indexname}]%
21001 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
21002 \thispagestyle{plain}\parindent\z@
21003 \parskip\z@ \@plus .3\p@\relax
21004 \let\item\@idxitem
21005 }{%
21006 \if@restonecol\onecolumn\else\clearpage\fi}
21007 \if@titlepage
21008 \renewcommand*\TitleFont{\rmfamily}
21009 \renewcommand*\maketitle{%
21010 \begin{titlepage}%
21011 \let\footnotesize\small
21012 \let\right@footnoterule\relax
21013 \let\left@footnoterule\relax
21014 \let\textwidth@footnoterule\relax
21015 \let \footnote \thanks
21016 \let \LTRfootnote \LTRthanks
21017 \let \RTLfootnote \RTLthanks
21018 \long\def\@makefntext##1{\parindent\z@
21019 \def\labelitemi{\textendash}\@revlabeltrue
21020 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
21021 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21022 \if@compatibility\setcounter{page}{0}\fi
21023 \null\vfil
21024 \vskip 60\p@
21025 \begin{center}%
21026 \TitleFont
21027 {\LARGE \def\\{\penalty -\@M}

```



```

21028     \if@allcaps
21029         \expandafter\uc@nothanks\@title\thanks\relax
21030     \else
21031         \@title
21032     \fi\par}%
21033 \vskip 3em%
21034 {\large
21035     \lineskip .75em \parindent\z@
21036     \begin{tabular}[t]{c}%
21037         \if@allcaps
21038             \expandafter\uc@authornothanks\@author\and\relax
21039         \else
21040             \@author
21041         \fi
21042     \end{tabular}\par}%
21043 \vskip 1.5em%
21044 {\large
21045     \if@allcaps
21046         \uppercase\expandafter{\@date}%
21047     \else
21048         \@date
21049     \fi\par}%
21050 \end{center}\par
21051 \@thanks
21052 \vfil\null
21053 \end{titlepage}%
21054 \setcounter{footnote}{0}%
21055 \global\let\thanks\relax
21056 \global\let\LTRthanks\relax
21057 \global\let\RTLthanks\relax
21058 \global\let\maketitle\relax
21059 \global\let\@thanks\@empty
21060 \global\let\@author\@empty
21061 \global\let\@title\@empty
21062 \global\let\@date\@empty
21063 \global\let\title\relax
21064 \global\let\author\relax
21065 \global\let\date\relax
21066 \global\let\and\relax
21067 }
21068 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
21069 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
21070     \futurelet\@tempa\uc@ax}
21071 \def\uc@ax{%
21072     \ifx\@tempa\relax
21073     \else
21074         \ \andname \ \ \expandafter\uc@authornothanks
21075     \fi}
21076 \def\uc@tx{\ifx\@tempa\relax
21077     \else \expandafter\uc@ty \fi}
21078 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
21079 \else
21080 \renewcommand*\maketitle{\par
21081     \begin{group

```



```

21082 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21083 \def\@makefnmark{\rlap{%
21084   \@textsuperscript{\normalfont\@thefnmark}}}%
21085 \long\def\@makefntext{\@xmakefntext{%
21086   \@textsuperscript{\normalfont\@thefnmark}}}%
21087 \if@twocolumn
21088   \ifnum \col@number=\@ne
21089     \@maketitle
21090   \else
21091     \twocolumn[\@maketitle]%
21092   \fi
21093 \else
21094   \newpage
21095   \global\@topnum\z@
21096   \@maketitle
21097   \fi
21098   \thispagestyle{plain}\@thanks
21099 \endgroup
21100 \setcounter{footnote}{0}%
21101 \global\let\thanks\relax
21102 \global\let\LTRthanks\relax
21103 \global\let\RTLthanks\relax
21104 \global\let\maketitle\relax
21105 \global\let\@maketitle\relax
21106 \global\let\@thanks\@empty
21107 \global\let\@author\@empty
21108 \global\let\@title\@empty
21109 \global\let\@date\@empty
21110 \global\let\title\relax
21111 \global\let\author\relax
21112 \global\let\date\relax
21113 \global\let\and\relax
21114 }
21115 \def\@maketitle{%
21116   \newpage
21117   \null
21118   \vskip 2em%
21119   \if@titlecentered
21120     \begin{center}%
21121       \let \footnote \thanks
21122       \let \LTRfootnote \LTRthanks
21123       \let \RTLfootnote \RTLthanks
21124       {\LARGE \TitleFont \@title \par}%
21125       \vskip 1.5em%
21126       {\large \TitleFont
21127         \lineskip .5em%
21128         \begin{tabular}[t]{c}%
21129           \@author
21130         \end{tabular}\par}%
21131       \vskip 1em%
21132       {\large \TitleFont \@date}%
21133     \end{center}%
21134   \else
21135     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em

```



```

21136     {\large \TitleFont \lineskip .5em \tabcolsep\z@
21137         \def\and{%% \begin{tabular} has already started
21138             \end{tabular}\hskip 1em plus .17fil
21139             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabu
21140             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\
21141     \vskip 1em {\large \TitleFont \@date}
21142 \fi
21143 \par
21144 \vskip 1.5em}
21145 \fi
21146 \renewcommand*\@regtocline[3]{%
21147 \ifnum #1>\c@tocdepth
21148 \else
21149     \vskip\z@\@plus.2\p@
21150     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
21151     \if@RTL\righskip\else\leftskip\fi\unitindent
21152     \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
21153     \parfillskip\z@
21154     \@tempdima\unitindent
21155     \parindent\z@
21156     \leavevmode
21157     \hbox{} \hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
21158     \hskip 1em \nobreak{\slshape #3}\par
21159     }%
21160 \fi}
21161 \if@oldtoc
21162 \renewcommand*\l@part[2]{%
21163 \ifnum \c@tocdepth >-2\relax
21164     \addpenalty{-\@highpenalty}%
21165     \addvspace{2.25em \@plus\p@}%
21166     \begingroup
21167     \setlength\@tempdima{3em}%
21168     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
21169     \parfillskip -\@pnumwidth
21170     {\leavevmode
21171     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21172     \nobreak
21173     \global\@nobreaktrue
21174     \everypar{\global\@nobreakfalse\everypar{}}%
21175     \endgroup
21176 \fi}
21177 \else
21178 \renewcommand*\l@part{%
21179 \ifnum \c@tocdepth >-2\relax
21180     \addpenalty{-\@highpenalty}%
21181     \addvspace{2.25em \@plus \p@}%
21182     \@regtocline{0}%
21183 \fi}
21184 \fi
21185 \if@oldtoc
21186 \renewcommand*\l@chapter[2]{%
21187     \addpenalty{-\@highpenalty}%
21188     \vskip 1.0em \@plus\p@
21189     \setlength\@tempdima{1.5em}%

```



```

21190 \begingroup
21191 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21192 \parfillskip -\@pnumwidth
21193 \leavevmode \bfseries
21194 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
21195 \hskip -\if@RTL\rightskip\else\leftskip\fi
21196 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21197 \penalty\@highpenalty
21198 \endgroup}
21199 \else
21200 \renewcommand*\l@chapter{\@regtocline{0}}
21201 \fi
21202 \renewcommand*\head@style{%
21203 \interlinepenalty \@M
21204 \hyphenpenalty=\@M \exhyphenpenalty=\@M
21205 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
21206 \if@titlepage
21207 \renewenvironment{abstract}{%
21208 \titlepage
21209 \null\vfil
21210 \section*\SectFont\abstractname}%
21211 \noindent\ignorespaces}
21212 {\par\vfil\null\endtitlepage}
21213 \else
21214 \renewenvironment{abstract}{%
21215 \if@twocolumn
21216 \section*\abstractname}%
21217 \else
21218 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
21219 \section*\small\SectFont\abstractname}%
21220 \noindent\ignorespaces
21221 \fi}
21222 {\if@twocolumn\else\par\egroup\fi}
21223 \fi
21224 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
21225 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
21226 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
21227 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
21228 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
21229 \renewcommand*\thefigure{%
21230 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
21231 \renewcommand*\thetable{%
21232 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
21233 \renewcommand*\theequation{%
21234 \ifnum\c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
21235 \renewenvironment{thebibliography}[1]
21236 {\chapter*\bibname}%
21237 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21238 \if@RTL\ifLTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21239 \bidi@thebibliography@font@hook%
21240 \list{\@biblabel{\@arabic\c@enumiv}}%
21241 {\settowidth\labelwidth{\@biblabel{#1}}%
21242 \leftmargin\labelwidth
21243 \advance\leftmargin\labelsep

```



```

21244         \@openbib@code
21245         \usecounter{enumiv}%
21246         \let\p@enumiv\@empty
21247         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
21248     \sloppy\clubpenalty4000\widowpenalty4000%
21249     \sfcode`\.\@m}
21250     {\def\@noitemerr
21251       {\@latex@warning{Empty `thebibliography' environment}}}%
21252     \endlist}
21253 \renewcommand*\left@footnoterule{%
21254   \kern-3\p@
21255   \kern.5\baselineskip
21256   \hrule\@width\unitindent
21257   \kern.4\baselineskip
21258 }
21259 \renewcommand*\right@footnoterule{%
21260   \kern-3\p@
21261   \kern.5\baselineskip
21262   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
21263   \kern.4\baselineskip}
21264 \renewcommand*\head@style{%
21265   \interlinepenalty \@M
21266   \hyphenpenalty=\@M \exhyphenpenalty=\@M
21267   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

138 File refrep-xetex-bidi.def

```

21268 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
21269 \if@titlepage
21270   \renewcommand\maketitle{\begin{titlepage}%
21271     \let\footnotesize\small
21272     \let\right@footnoterule\relax
21273     \let\left@footnoterule\relax
21274     \let\textwidth@footnoterule\relax
21275     \let\footnote\thanks
21276     \let\LTRfootnote\LTRthanks
21277     \let\RTLfootnote\RTLthanks
21278     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21279     \def\@makefnmark%
21280       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21281     \long\def\@makefntext##1{%
21282       \setpar{\@par
21283         \@tempdima = \hsize
21284         \advance\@tempdima -1em
21285         \parshape \@ne 1em \@tempdima}%
21286       \par\parindent 1em \noindent
21287       \hb@xt@\z@\{ \hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21288     \null\vfil
21289     \vskip 60\p@
21290     \begin{center}%
21291       {\LARGE \@title \par}%
21292       \vskip 3em%
21293       {\large
21294         \lineskip .75em%

```



```

21295     \begin{tabular}[t]{c}%
21296     \@author
21297     \end{tabular}\par}%
21298     \vskip 1.5em%
21299     {\large \@date \par}%           % Set date in \large size.
21300 \end{center}\par
21301 \@thanks
21302 \vfil\null
21303 \end{titlepage}%
21304 \setcounter{footnote}{0}%
21305 \global\let\thanks\relax
21306 \global\let\LTRthanks\relax
21307 \global\let\RTLthanks\relax
21308 \global\let\maketitle\relax
21309 \global\let\@thanks\@empty
21310 \global\let\@author\@empty
21311 \global\let\@date\@empty
21312 \global\let\@title\@empty
21313 \global\let\title\relax
21314 \global\let\author\relax
21315 \global\let\date\relax
21316 \global\let\and\relax
21317 }
21318 \else
21319 \renewcommand\maketitle{\par
21320   \begingroup
21321     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21322     \def\@makefnmark%
21323       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21324     \long\def\@makefntext##1{%
21325       \setpar{\@par
21326         \@tempdima = \hsize
21327         \advance\@tempdima -1em
21328         \parshape \@ne 1em \@tempdima}%
21329       \par\parindent 1em \noindent
21330       \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,\}##1}
21331     \iftwocolumn
21332       \ifnum \col@number=\@ne
21333         \@maketitle
21334       \else
21335         \twocolumn[\@maketitle]%
21336       \fi
21337     \else
21338       \newpage
21339       \global\@topnum\z@   % Prevents figures from going at top of page.
21340       \@maketitle
21341     \fi
21342     \thispagestyle{empty}\@thanks
21343   \endgroup
21344   \setcounter{footnote}{0}%
21345   \global\let\thanks\relax
21346   \global\let\LTRthanks\relax
21347   \global\let\RTLthanks\relax
21348   \global\let\maketitle\relax

```




```

21349 \global\let\@maketitle\relax
21350 \global\let\@thanks\@empty
21351 \global\let\@author\@empty
21352 \global\let\@date\@empty
21353 \global\let\@title\@empty
21354 \global\let\title\relax
21355 \global\let\author\relax
21356 \global\let\date\relax
21357 \global\let\and\relax
21358 }
21359 \def\@maketitle{%
21360   \newpage
21361   \null
21362   \longthickrule\vskip1.5em%
21363   \let \footnote \thanks
21364   \let \LTRfootnote \LTRthanks
21365   \let \RTLfootnote \RTLthanks
21366   {\secshape \parskip\z@ \parindent\z@
21367   \Large\bfseries \@title \par}%
21368   \vskip1.5em\longthickrule\vskip1.5em%
21369   {\normalsize
21370     \lineskip .5em%
21371     \begin{flushright}%
21372       {\slshape\@author\par}
21373       \vskip 1em%
21374       {\@date}%
21375     \end{flushright}\par}%
21376   \vskip 1.5em}
21377 \fi
21378 \renewcommand*\l@part[2]{%
21379   \ifnum \c@tocdepth >-2\relax
21380     \addpenalty{-\@highpenalty}%
21381     \addvspace{2.25em \@plus\p@}%
21382     \begingroup
21383       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21384       \parfillskip -\@pnumwidth
21385       {\leavevmode
21386         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
21387         \nobreak
21388         \global\@nobreaktrue
21389         \everypar{\global\@nobreakfalse\everypar{}}%
21390       \endgroup
21391   \fi}
21392 \renewcommand*\l@chapter[2]{%
21393   \ifnum \c@tocdepth >\m@ne
21394     \addpenalty{-\@highpenalty}%
21395     \vskip 1.0em \@plus\p@
21396     \setlength\@tempdima{1.5em}%
21397     \begingroup
21398       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21399       \parfillskip -\@pnumwidth
21400       \leavevmode \bfseries
21401       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21402       \hskip -\if@RTL\rightskip\else\leftskip\fi

```



```

21403 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21404 \penalty\@highpenalty
21405 \endgroup
21406 \fi}
21407 \renewcommand\secshape{\if@RTL\righskip\else\leftskip\fi=-\leftmarginwidth%
21408 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
21409 \hyphenpenalty=2000}
21410 \renewcommand\left@footnoterule{%
21411 \kern-3\p@
21412 \hrule\@width.4\columnwidth
21413 \kern 2.6\p@}
21414 \renewcommand\right@footnoterule{%
21415 \kern-3\p@
21416 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21417 \kern2.6\p@}
21418 \renewcommand\theequation
21419 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21420 \renewcommand\thefigure
21421 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21422 \renewcommand\thetable%
21423 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21424 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
21425 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
21426 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
21427 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21428 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21429 \renewenvironment{thebibliography}[1]
21430 {\chapter*\bibname
21431 \mkboth{\bibname}{\bibname}}%
21432 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21433 \bidi@thebibliography@font@hook%
21434 \list{\@biblabel{\@arabic\c@enumiv}}%
21435 {\settowidth\labelwidth{\@biblabel{#1}}%
21436 \leftmargin\labelwidth
21437 \advance\leftmargin\labelsep
21438 \@openbib@code
21439 \usecounter{enumiv}}%
21440 \let\p@enumiv\@empty
21441 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21442 \sloppy
21443 \clubpenalty4000
21444 \@clubpenalty \clubpenalty
21445 \widowpenalty4000%
21446 \sfcode`.\=@m}
21447 {\def\@noitemerr
21448 {\@latex@warning{Empty `thebibliography' environment}}}%
21449 \endlist}

```

139 File report-xetex-bidi.def

```

21450 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report cl
21451 \renewenvironment{theindex}
21452 {\if@twocolumn
21453 \restonecolfalse

```



```

21454         \else
21455             \@restonecoltrue
21456         \fi
21457         \columnseprule \z@
21458         \columnsep 35\p@
21459         \twocolumn[\@makeschapterhead{\indexname}]%
21460         \@mkboth{\MakeUppercase\indexname}%
21461             {\MakeUppercase\indexname}%
21462         \thispagestyle{plain}\parindent\z@
21463         \parskip\z@ \@plus .3\p@\relax
21464         \let\item\@idxitem}
21465     {\if@restonecol\onecolumn\else\clearpage\fi}
21466 \if@titlepage
21467 \renewcommand\maketitle{\begin{titlepage}%
21468 \let\footnotesize\small
21469 \let\right@footnoterule\relax
21470 \let\left@footnoterule\relax
21471 \let\textwidth@footnoterule\relax
21472 \let \footnote \thanks
21473 \let \LTRfootnote \LTRthanks
21474 \let \RTLfootnote \RTLthanks
21475 \null\vfil
21476 \vskip 60\p@
21477 \begin{center}%
21478     {\LARGE \@title \par}%
21479     \vskip 3em%
21480     {\large
21481     \lineskip .75em%
21482     \begin{tabular}[t]{c}%
21483         \@author
21484     \end{tabular}\par}%
21485     \vskip 1.5em%
21486     {\large \@date \par}%           % Set date in \large size.
21487 \end{center}\par
21488 \@thanks
21489 \vfil\null
21490 \end{titlepage}%
21491 \setcounter{footnote}{0}%
21492 \global\let\thanks\relax
21493 \global\let\LTRthanks\relax
21494 \global\let\RTLthanks\relax
21495 \global\let\maketitle\relax
21496 \global\let\@thanks\@empty
21497 \global\let\@author\@empty
21498 \global\let\@date\@empty
21499 \global\let\@title\@empty
21500 \global\let\title\relax
21501 \global\let\author\relax
21502 \global\let\date\relax
21503 \global\let\and\relax
21504 }
21505 \else
21506 \renewcommand\maketitle{\par
21507 \begingroup

```



```

21508 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21509 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21510 \long\def\@makefntext##1{\parindent 1em\noindent
21511 \hb@xt@1.8em{%
21512 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
21513 \if@twocolumn
21514 \ifnum \col@number=\@ne
21515 \@maketitle
21516 \else
21517 \twocolumn[\@maketitle]%
21518 \fi
21519 \else
21520 \newpage
21521 \global\@topnum\z@ % Prevents figures from going at top of page.
21522 \@maketitle
21523 \fi
21524 \thispagestyle{plain}\@thanks
21525 \endgroup
21526 \setcounter{footnote}{0}%
21527 \global\let\thanks\relax
21528 \global\let\LTRthanks\relax
21529 \global\let\RTLthanks\relax
21530 \global\let\maketitle\relax
21531 \global\let\@maketitle\relax
21532 \global\let\@thanks\@empty
21533 \global\let\@author\@empty
21534 \global\let\@date\@empty
21535 \global\let\@title\@empty
21536 \global\let\title\relax
21537 \global\let\author\relax
21538 \global\let\date\relax
21539 \global\let\and\relax
21540 }
21541 \def\@maketitle{%
21542 \newpage
21543 \null
21544 \vskip 2em%
21545 \begin{center}%
21546 \let \footnote \thanks
21547 \let \LTRfootnote \LTRthanks
21548 \let \RTLfootnote \RTLthanks
21549 {\LARGE \@title \par}%
21550 \vskip 1.5em%
21551 {\large
21552 \lineskip .5em%
21553 \begin{tabular}[t]{c}%
21554 \@author
21555 \end{tabular}\par}%
21556 \vskip 1em%
21557 {\large \@date}%
21558 \end{center}%
21559 \par
21560 \vskip 1.5em}
21561 \fi

```



```

21562 \renewcommand*\l@part[2]{%
21563   \ifnum \c@tocdepth >-2\relax
21564     \addpenalty{-\@highpenalty}%
21565     \addvspace{2.25em \@plus\p@}%
21566     \setlength\@tempdima{3em}%
21567     \begingroup
21568       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21569       \parfillskip -\@pnumwidth
21570       {\leavevmode
21571         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21572       \nobreak
21573       \global\@nobreaktrue
21574       \everypar{\global\@nobreakfalse\everypar{}}%
21575     \endgroup
21576   \fi}
21577 \renewcommand*\l@chapter[2]{%
21578   \ifnum \c@tocdepth >\m@ne
21579     \addpenalty{-\@highpenalty}%
21580     \vskip 1.0em \@plus\p@
21581     \setlength\@tempdima{1.5em}%
21582     \begingroup
21583       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21584       \parfillskip -\@pnumwidth
21585       \leavevmode \bfseries
21586       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21587       \hskip -\if@RTL\rightskip\else\leftskip\fi
21588       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21589       \penalty\@highpenalty
21590     \endgroup
21591   \fi}
21592 \renewcommand\left@footnoterule{%
21593   \kern-3\p@
21594   \hrule\@width.4\columnwidth
21595   \kern2.6\p@}
21596 \renewcommand\right@footnoterule{%
21597   \kern-3\p@
21598   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21599   \kern2.6\p@}
21600 \renewcommand\theequation
21601   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21602 \renewcommand \thefigure
21603   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21604 \renewcommand \thetable
21605   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21606 \renewcommand \thechapter {\@arabic\c@chapter}
21607 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
21608 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
21609 \renewcommand \thesubsubsection {\thesubsubsection \@SepMark\@arabic\c@subsubsection}
21610 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21611 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21612 \def\@makechapterhead#1{%
21613   \vspace*{50\p@}%
21614   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
21615     \ifnum \c@secnumdepth >\m@ne

```



```

21616         \huge\bfseries \@chapapp\space \thechapter
21617         \par\nobreak
21618         \vskip 20\p@
21619     \fi
21620     \interlinepenalty\@M
21621     \Huge \bfseries #1\par\nobreak
21622     \vskip 40\p@
21623 }}
21624 \def\@makeschapterhead#1{%
21625     \vspace*{50\p@}%
21626     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
21627     \normalfont
21628     \interlinepenalty\@M
21629     \Huge \bfseries #1\par\nobreak
21630     \vskip 40\p@
21631 }}
21632 \renewenvironment{thebibliography}[1]
21633     {\chapter*{\bibname}%
21634     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21635     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21636     \bidi@thebibliography@font@hook%
21637     \list{\@biblabel{\@arabic\c@enumiv}}%
21638         {\settowidth\labelwidth{\@biblabel{#1}}%
21639         \leftmargin\labelwidth
21640         \advance\leftmargin\labelsep
21641         \@openbib@code
21642         \usecounter{enumiv}%
21643         \let\p@enumiv\@empty
21644         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21645     \sloppy
21646     \clubpenalty4000
21647     \@clubpenalty \clubpenalty
21648     \widowpenalty4000%
21649     \sfcode\.\@m}
21650 {\def\@noitemerr
21651     {\@latex@warning{Empty `thebibliography' environment}}}%
21652     \endlist}

```

140 File rotating-xetex-bidi.def

```

21653 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
21654 \def\end@rotfloat{%
21655     \end{minipage}\end{lrbox}%
21656     \stepcounter{r@tfl@t}%
21657     \rot@label{RF\ther@tfl@t}%
21658     \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21659     \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
21660     \rot@mess@toks\expandafter{\@tempa}
21661     \wd\rot@float@box\z@
21662     \ht\rot@float@box\z@
21663     \dp\rot@float@box\z@
21664     \vboxL to \textheight{%
21665         \setkeys{Grot}{units=360}%
21666         \if@rot@twoside

```



```

21667 \else
21668 \let\R@@page\rot@LR
21669 \fi
21670 \ifthenelse{\isodd{\R@@page}}{%
21671 \if@rot@twoside
21672 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21673 \fi
21674 \vfill
21675 \@@line{%
21676 \hskip\rotFPtop
21677 \rotatebox{90}{\box\rot@float@box}%
21678 \hskip\rotFPbot
21679 }%
21680 }{%
21681 \if@rot@twoside
21682 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
21683 \fi
21684 \@@line{%
21685 \hskip\rotFPbot
21686 \rotatebox{-90}{\box\rot@float@box}%
21687 \hskip\rotFPtop
21688 }%
21689 \vfill
21690 }%
21691 \rot@message{\the\rot@mess@toks}
21692 }%
21693 \end@float
21694 }
21695 \let\endsidewaysfigure\end@rotfloat
21696 \let\endsidewaystable\end@rotfloat
21697 \def\end@rotdblfloat{%
21698 \end{minipage}\end{lrbox}%
21699 \stepcounter{r@tfl@t}%
21700 \rot@label{RF\ther@tfl@t}%
21701 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21702 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
21703 \rot@mess@toks\expandafter{\@tempa}
21704 \@tempdima\ht\rot@float@box
21705 \advance\@tempdima by \dp\rot@float@box
21706 \wd\rot@float@box\z@
21707 \ht\rot@float@box\z@
21708 \dp\rot@float@box\z@
21709 \vboxL to \textheight{%
21710 \setkeys{Grot}{units=360}%
21711 \if@rot@twoside
21712 \else
21713 \let\R@@page\rot@LR
21714 \fi
21715 \ifthenelse{\isodd{\R@@page}}{%
21716 \ifrot@messages
21717 \if@rot@twoside
21718 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21719 \fi
21720 \fi

```



```

21721     \vfill
21722     \@@line{%
21723         \hskip\rotFPtop
21724         \rotatebox{90}{\box\rot@float@box}%
21725         \hskip\rotFPbot
21726     }%
21727 }{%
21728     \ifrot@messages
21729     \if@rot@twoside
21730 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
21731 \fi
21732     \fi%
21733     \@@line{%
21734         \hskip\rotFPbot
21735         \rotatebox{-90}{\box\rot@float@box}%
21736         \hskip\rotFPtop
21737     }%
21738     \vfill
21739 }%
21740 \rot@message{\the\rot@mess@toks}%
21741 }%
21742 \end@dblfloat
21743 }
21744 \def\turn#1{%
21745     \Grot@setangle{#1}%
21746     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21747 \def\endturn{%
21748     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21749     \unskip\color@endbox
21750     \Grot@x\z@
21751     \Grot@y\z@
21752     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21753 }
21754 \def\rotate#1{%
21755     \Grot@setangle{#1}%
21756     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21757 \def\endrotate{%
21758     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21759     \unskip\color@endbox
21760     \Grot@x\z@
21761     \Grot@y\z@
21762     \wd0\z@\dp0\z@\ht0\z@
21763     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21764 }
21765 \def\turnbox#1#2{%
21766     \Grot@setangle{#1}%
21767     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
21768     \Grot@x\z@\Grot@y\z@
21769     \wd0\z@\dp0\z@\ht0\z@
21770     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21771 }
21772 \def\sideways{%
21773     \Grot@setangle{90}%
21774     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}

```




```

21775 \def\endsideways{%
21776 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21777 \unskip\color@endbox
21778 \Grot@x\z@
21779 \Grot@y\z@
21780 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21781 }

```

141 File `scrartcl-xetex-bidi.def`

```

21782 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class f
21783 \newcommand{\scr@saved@LTRfootnotetext}{}
21784 \newcommand{\scr@saved@RTLfootnotetext}{}
21785 \let\scr@saved@footnotetext\@footnotetext
21786 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
21787 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
21788 \renewcommand{\@footnotetext}[1]{%
21789 \scr@saved@footnotetext{#1}%
21790 \csname FN@mfb@prepare\endcsname
21791 }
21792 \renewcommand{\@LTRfootnotetext}[1]{%
21793 \scr@saved@LTRfootnotetext{#1}%
21794 \csname FN@mfb@prepare\endcsname
21795 }
21796 \renewcommand{\@RTLfootnotetext}[1]{%
21797 \scr@saved@RTLfootnotetext{#1}%
21798 \csname FN@mfb@prepare\endcsname
21799 }
21800 \renewcommand\deffootnote[4][1]{%
21801 \expandafter\ifnum\scr@v@is@ge{3.22}\relax
21802 \long\def\@makefntext##1{%
21803 \ExecuteDoHook{footnote/text/begin}%
21804 \raggedfootnote
21805 \if@RTL
21806 \rightskip
21807 \else
21808 \leftskip
21809 \fi
21810 #2
21811 \l@addto@macro\@trivlist{%
21812 \ifnum\@listdepth=\@ne
21813 \if@RTL
21814 \advance\rightmargin #2\relax
21815 \else
21816 \advance\leftmargin #2\relax
21817 \fi
21818 \fi
21819 }%
21820 \parindent #3\noindent
21821 \IfArgIsEmpty{#1}{}{}%
21822 \hskip \dimexpr #1-#2\relax
21823 }%
21824 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21825 \ExecuteDoHook{footnote/text/end}%

```



```

21826 }%
21827 \else
21828   \ClassInfo{\KOMAClassName}{%
21829     Using old \string\@makefntext\space due to compatibility
21830     level\MessageBreak
21831     less than 3.22}%
21832   \long\def\@makefntext##1{%
21833     \setlength{\@tempdimc}{#3}%
21834     \def\@tempa{#1}\ifx\@tempa\@empty
21835       \setpar{\@par
21836         \@tempdima = \hspace
21837         \addtolength{\@tempdima}{-#2}%
21838         \if@RTL
21839           \parshape \@ne \z@ \@tempdima
21840         \else
21841           \parshape \@ne #2 \@tempdima
21842         \fi}%
21843     \else
21844       \addtolength{\@tempdimc}{#2}%
21845       \addtolength{\@tempdimc}{-#1}%
21846       \setpar{\@par
21847         \@tempdima = \hspace
21848         \addtolength{\@tempdima}{-#1}%
21849         \@tempdimb = \hspace
21850         \addtolength{\@tempdimb}{-#2}%
21851         \if@RTL
21852           \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
21853         \else
21854           \parshape \tw@ #1 \@tempdima #2 \@tempdimb
21855         \fi
21856       }%
21857     \fi
21858   \par
21859   \parindent\@tempdimc\noindent
21860   \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21861 }%
21862 \fi
21863 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
21864 }
21865 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
21866 \renewcommand*\left@footnoterule{%
21867   \normalsize\ftn@rule@test@values
21868   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21869   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21870   {\usekomafont{footnoterule}{%
21871     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
21872   \kern 2.6\p@}
21873 \renewcommand*\right@footnoterule{%
21874   \normalsize\ftn@rule@test@values
21875   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21876   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21877   {\usekomafont{footnoterule}{%
21878     \hbox to \columnwidth{\hspace \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
21879     \kern 2.6\p@}

```



```

21880 \renewcommand*\maketitle[1][1]{%
21881 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
21882 \else
21883   \def\and{%
21884     \end{tabular}%
21885     \hskip 1em \@plus.17fil%
21886     \begin{tabular}[t]{c}%
21887   }%
21888 \fi
21889 \if@titlepage
21890   \begin{titlepage}
21891     \setcounter{page}{%
21892       #1%
21893     }%
21894     \if@titlepageiscoverpage
21895       \edef\titlename@restore{%
21896         \noexpand\endgroup
21897         \noexpand\global\noexpand\@colht\the\@colht
21898         \noexpand\global\noexpand\@colroom\the\@colroom
21899         \noexpand\global\vsizethe\vsizethe
21900         \noexpand\global\noexpand\@titlepageiscoverpagefalse
21901         \noexpand\let\noexpand\titlename@restore\noexpand\relax
21902       }%
21903       \begingroup
21904         \topmargin=\dimexpr \coverpagetopmargin-1in\relax
21905         \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
21906         \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
21907         \textwidth=\dimexpr
21908         \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
21909         \textheight=\dimexpr
21910         \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
21911         \headheight=0pt
21912         \headsep=0pt
21913         \footskip=\baselineskip
21914         \@colht=\textheight
21915         \@colroom=\textheight
21916         \vsizethe=\textheight
21917         \columnwidth=\textwidth
21918         \hsizethe=\columnwidth
21919         \linewidth=\hsizethe
21920       \else
21921         \let\titlename@restore\relax
21922       \fi
21923       \let\footnotesize\small
21924       \let\right@footnoterule\relax
21925       \let\left@footnoterule\relax
21926       \let\textwidth@footnoterule\relax
21927       \let\footnote\thanks
21928       \let\LTRfootnote\LTRthanks
21929       \let\RTLfootnote\RTLthanks
21930       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21931       \let\@oldmakefnmark\@makefnmark
21932       \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
21933       \ifx\@extratitle\@empty

```



```

21934     \ifx\@frontispiece\@empty
21935     \else
21936         \if@twoside\mbox{}\next@tpage\fi
21937         \noindent\@frontispiece\next@tdpage
21938     \fi
21939 \else
21940     \noindent\@extratitle
21941     \ifx\@frontispiece\@empty
21942     \else
21943         \next@tpage
21944         \noindent\@frontispiece
21945     \fi
21946     \next@tdpage
21947 \fi
21948 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
21949 \ifx\@titlehead\@empty \else
21950     \begin{minipage}[t]{\textwidth}%
21951         \usekomafont{titlehead}{\@titlehead\par}%
21952     \end{minipage}\par
21953 \fi
21954 \null\vfill
21955 \begin{center}
21956     \ifx\@subject\@empty \else
21957         {\usekomafont{subject}{\@subject\par}}%
21958         \vskip 3em
21959     \fi
21960     {\usekomafont{title}{\huge \@title\par}}%
21961     \vskip 1em
21962     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
21963     \vskip 2em
21964     {%
21965         \usekomafont{author}{%
21966             \lineskip 0.75em
21967             \begin{tabular}[t]{c}
21968                 \@author
21969             \end{tabular}\par
21970         }%
21971     }%
21972     \vskip 1.5em
21973     {\usekomafont{date}{\@date \par}}%
21974     \vskip \z@ \@plus3fill
21975     {\usekomafont{publishers}{\@publishers \par}}%
21976     \vskip 3em
21977 \end{center}\par
21978 \@thanks\global\let\@thanks\@empty
21979 \vfill\null
21980 \if@twoside
21981     \@tempwattrue
21982     \expandafter\ifnum \@nameuse{scr@v03.12}>\scr@compatibility\relax
21983 \else
21984     \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
21985         \@tempwafalse
21986     \fi\fi
21987 \fi

```



```

21988     \if@tempswa
21989         \next@tpage
21990         \begin{minipage}[t]{\textwidth}
21991             \@uppertitleback
21992         \end{minipage}\par
21993         \vfill
21994         \begin{minipage}[b]{\textwidth}
21995             \@lowertitleback
21996         \end{minipage}\par
21997         \@thanks\global\let\@thanks\@empty
21998     \fi
21999 \else
22000     \ifx\@uppertitleback\@empty\else
22001         \ClassWarning{\KOMAClassName}{%
22002             non empty \string\uppertitleback\space ignored
22003             by \string\maketitle\MessageBreak
22004             in `twoside=false' mode%
22005         }%
22006     \fi
22007     \ifx\@lowertitleback\@empty\else
22008         \ClassWarning{\KOMAClassName}{%
22009             non empty \string\lowertitleback\space ignored
22010             by \string\maketitle\MessageBreak
22011             in `twoside=false' mode%
22012         }%
22013     \fi
22014 \fi
22015 \ifx\@dedication\@empty
22016 \else
22017     \next@tdpage\null\vfill
22018     {\centering\usekomafont{dedication}{\@dedication \par}}%
22019     \vskip \z@ \@plus3fill
22020     \@thanks\global\let\@thanks\@empty
22021     \cleardoubleemptypage
22022 \fi
22023 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
22024 \end{titlepage}
22025 \else
22026     \par
22027     \@tempcnta=%
22028     #1%
22029     \relax\ifnum\@tempcnta=1\else
22030         \ClassWarning{\KOMAClassName}{%
22031             Optional argument of \string\maketitle\space ignored\MessageBreak
22032             in `titlepage=false' mode%
22033         }%
22034     \fi
22035     \ifx\@uppertitleback\@empty\else
22036         \ClassWarning{\KOMAClassName}{%
22037             non empty \string\uppertitleback\space ignored
22038             by \string\maketitle\MessageBreak
22039             in `titlepage=false' mode%
22040         }%
22041     \fi

```



```

22042 \ifx\@lowertitleback\@empty\else
22043 \ClassWarning{\KOMAClassName}{%
22044 non empty \string\lowertitleback\space ignored
22045 by \string\maketitle\MessageBreak
22046 in `titlepage=false' mode%
22047 }%
22048 \fi
22049 \begingroup
22050 \let\titlepage@restore\relax
22051 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22052 \let\@oldmakefnmark\@makefnmark
22053 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
22054 \next@tdpage
22055 \if@twocolumn
22056 \ifnum \col@number=\@one
22057 \ifx\@extratitle\@empty
22058 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22059 \else
22060 \@makeextratitle
22061 \fi
22062 \ifx\@frontispiece\@empty
22063 \ifx\@extratitle\@empty\else\next@tdpage\fi
22064 \else
22065 \next@tpage
22066 \@makefrontispiece
22067 \next@tdpage
22068 \fi
22069 \@maketitle
22070 \else
22071 \ifx\@extratitle\@empty
22072 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22073 \else
22074 \twocolumn[\@makeextratitle]%
22075 \fi
22076 \ifx\@frontispiece\@empty
22077 \ifx\@extratitle\@empty\else\next@tdpage\fi
22078 \else
22079 \next@tpage
22080 \twocolumn[\@makefrontispiece]%
22081 \next@tdpage
22082 \fi
22083 \twocolumn[\@maketitle]%
22084 \fi
22085 \else
22086 \ifx\@extratitle\@empty
22087 \ifx\@frontispiece\@empty\else \mbox{}\fi
22088 \else
22089 \@makeextratitle
22090 \fi
22091 \ifx\@frontispiece\@empty
22092 \ifx\@extratitle\@empty\else\next@tdpage\fi
22093 \else
22094 \next@tpage
22095 \@makefrontispiece

```



```

22096         \next@tdpage
22097         \fi
22098         \@maketitle
22099         \fi
22100         \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22101         \@thanks\global\let\@thanks\@empty
22102     \endgroup
22103 \fi
22104 \setcounter{footnote}{0}%
22105 \expandafter\ifnum \cscname scr@v@3.12\endcscname>\scr@compatibility\relax
22106     \let\thanks\relax
22107     \let\LTRthanks\relax
22108     \let\RTLthanks\relax
22109     \let\maketitle\relax
22110     \let\@maketitle\relax
22111     \global\let\@thanks\@empty
22112     \global\let\@author\@empty
22113     \global\let\@date\@empty
22114     \global\let\@title\@empty
22115     \global\let\@subtitle\@empty
22116     \global\let\@extratitle\@empty
22117     \global\let\@frontispiece\@empty
22118     \global\let\@titlehead\@empty
22119     \global\let\@subject\@empty
22120     \global\let\@publishers\@empty
22121     \global\let\@uppertitleback\@empty
22122     \global\let\@lowertitleback\@empty
22123     \global\let\@dedication\@empty
22124     \global\let\author\relax
22125     \global\let\title\relax
22126     \global\let\extratitle\relax
22127     \global\let\titlehead\relax
22128     \global\let\subject\relax
22129     \global\let\publishers\relax
22130     \global\let\uppertitleback\relax
22131     \global\let\lowertitleback\relax
22132     \global\let\dedication\relax
22133     \global\let\date\relax
22134 \fi
22135 \global\let\and\relax
22136 }%
22137 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
22138 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
22139 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
22140 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
22141 \renewcommand*{\thesubsubsection}{%
22142   \thesubsection\@SepMark\@arabic\c@subsubsection
22143 }
22144 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
22145 \renewcommand*{\thesubparagraph}{%
22146   \theparagraph\@SepMark\@arabic\c@subparagraph
22147 }
22148 \renewenvironment{thebibliography}[1]{%
22149   \if@bib@break@

```



```

22150 \bib@beginhook
22151 \else
22152 \bib@heading
22153 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22154 \noindent\bibpreamble\par\nobreak
22155 \fi\fi
22156 \bib@beginhook
22157 \bib@before@hook
22158 \fi
22159 \renewcommand{\BreakBibliography}[1]{%
22160 \@bib@break
22161 \end{thebibliography}}%
22162 \begingroup ##1\endgroup
22163 \begin{thebibliography}{#1}
22164 }%
22165 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
22166 \bidi@thebibliography@font@hook%
22167 \list{%
22168 \@biblabel{\@arabic\c@enumiv}%
22169 }{%
22170 \settowidth\labelwidth{\@biblabel{#1}}%
22171 \leftmargin\labelwidth
22172 \advance\leftmargin\labelsep
22173 \@openbib@code
22174 \if@bib@break@
22175 \edef\@tempa{%
22176 \noexpand\usecounter{enumiv}}%
22177 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22178 }\@tempa
22179 \no@bib@break
22180 \else
22181 \usecounter{enumiv}%
22182 \fi
22183 \let\p@enumiv\@empty
22184 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
22185 }%
22186 \sloppy\clubpenalty4000 \widowpenalty4000
22187 \sfcode`.=\@m
22188 }{%
22189 \if@bib@break@
22190 \def\@noitemerr{%
22191 \@latex@warning{%
22192 \string\BreakBibliography\space at begin of `thebibliography'
22193 environment\MessageBreak
22194 or following \string\BreakBibliography}}%
22195 }%
22196 \else
22197 \def\@noitemerr{%
22198 \@latex@warning{%
22199 Empty `thebibliography' environment or
22200 \string\BreakBibliography\MessageBreak
22201 before end of `thebibliography' environment}}%
22202 }%
22203 \fi

```




```

22204 \endlist
22205 \if@bib@break@
22206 \else
22207   \bib@after@hook
22208   \let\bib@before@hook\@empty
22209   \let\bib@after@hook\@empty
22210 \fi
22211 \bib@endhook
22212 }
22213 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
22214 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
22215 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
22216 \renewcommand\marginline[1]{%
22217   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
22218 }
22219 \renewcommand{\@makecaption}[3]{%
22220   \cap@margin
22221   \begingroup
22222     \ifonelinecaptions
22223       \def\stepcounter##1{\advance\value{##1}\@ne}%
22224       \let\refstepcounter\stepcounter
22225       \let\label\@gobble
22226       \let\@footnotetext=\@gobble
22227       \let\@LTRfootnotetext=\@gobble
22228       \let\@RTLfootnotetext=\@gobble
22229       \let\hypertarget\@gobbletwo
22230       \edef\xnewline{%
22231         \unexpanded{\ClassInfo{\KOMACClassName}}{%
22232           Workaround for not recommended usage of \string\\ or\MessageBreak
22233           \string\newline in caption text
22234         }%
22235         \hspace*{\linewidth}\hspace{1sp}%
22236       }%
22237       \unexpanded\expandafter{\xnewline}%
22238     }%
22239     \edef\@xcentercr{%
22240       \unexpanded{\ClassInfo{\KOMACClassName}}{%
22241         Workaround for not recommended usage of \string\\ or\MessageBreak
22242         \string\newline in caption text
22243       }%
22244       \hspace*{\linewidth}\hspace{1sp}%
22245     }%
22246     \unexpanded\expandafter{\@xcentercr}%
22247   }%
22248   \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
22249   \ifdim\@tempdima>\cap@width
22250     \aftergroup\scr@makemultilinecaption
22251   \else
22252     \aftergroup\scr@makesinglelinecaption
22253   \fi
22254 \else
22255   \aftergroup\scr@makemultilinecaption
22256 \fi
22257 \endgroup

```



```

22258   {#1}{#2}{#3}%
22259 }
22260 \renewcommand{\scr@makesinglelinecaption}[3]{%
22261   {%
22262     \usefontofkomafont{caption}{%
22263       \hb@xt@\hsize{%
22264         \cap@left
22265         \if@RTL
22266         \beginR
22267         \fi
22268         \scr@makesinglelinecaption{#1}{#2}{#3}%
22269         \if@RTL
22270         \endR
22271         \fi
22272         \cap@right
22273       }\par\kern\dp\strutbox%
22274     }%
22275   }\kern-\dp\strutbox
22276 }
22277 \renewcommand{\@makecaption}[2]{%
22278   \if@captionabove
22279     \vskip\belowcaptionskip
22280   \else
22281     \vskip\abovecaptionskip
22282   \fi
22283   \@makecaption\@firstofone{#1}{#2}%
22284   \if@captionabove
22285     \vskip\abovecaptionskip
22286   \else
22287     \vskip\belowcaptionskip
22288   \fi
22289 }
22290
22291 \renewcommand{\scr@makesinglelinecaption}[3]{%
22292   {\usekomafont{caption}{\strut\ignorespaces
22293     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
22294     \ignorespaces #3\unskip}}%
22295 }
22296
22297 \renewcommand{\scr@makemultilinecaption}[3]{%
22298   {%
22299     \usefontofkomafont{caption}{%
22300       \hb@xt@\hsize{%
22301         \cap@left
22302         \vbox{\hsize\cap@width\linewidth\hsize
22303           \scr@ifundefinedorrelax{@cptype}{%
22304             \ClassWarning{\KOMAClassName}{%
22305               `string\caption' outside float.\MessageBreak
22306               Seems you are using `string\caption' outside a
22307               float.\MessageBreak
22308               Maybe you are using a package that uses
22309               `string\@makecaption'\MessageBreak
22310               without setting `string@cptype' before.\MessageBreak
22311               Because I cannot detect the caption type, I'm using\MessageBreak

```



```

22312         the empty one.%
22313     }%
22314     \let\@captype\@empty
22315 }{}%
22316 \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
22317     \@nameuse{ragged\@captype caption}%
22318 }%
22319 \ifdofullc@p
22320     \@hangfrom{%
22321         \strut
22322         \scr@smashdp{%
22323             #1{%
22324                 \usekomafont{caption}{%
22325                     \usekomafont{captionlabel}{#2\captionformat}%
22326                 }%
22327             }%
22328         }%
22329     }%
22330     {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22331 \else
22332     \ifdim\cap@indent<\z@
22333         \strut
22334         #1{%
22335             {\usekomafont{caption}{%
22336                 \usekomafont{captionlabel}{#2\captionformat}%
22337             }%
22338         }\par}%
22339         \noindent{{\usekomafont{caption}{%
22340             \hspace*{-\cap@indent}#3\scr@endstrut
22341         }}\par}%
22342     \else
22343         \if@capbreak
22344             \strut
22345             #1{%
22346                 {\usekomafont{caption}{%
22347                     \usekomafont{captionlabel}{#2\captionformat}%
22348                 }%
22349             }\par}%
22350             \noindent\@hangfrom{\hspace*{\cap@indent}}%
22351             {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22352         \else
22353             \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
22354             {%
22355                 \hspace{-\cap@indent}%
22356                 \scr@smashdp{%
22357                     #1{\usekomafont{caption}{%
22358                         \usekomafont{captionlabel}{#2\captionformat}%
22359                     }%
22360                 }%
22361             }%
22362             {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22363         }%
22364     \fi
22365 \fi

```



```

22366         \fi
22367     }%
22368         \cap@right
22369     }\par\kern\dp\strutbox
22370 }%
22371 }\kern-\dp\strutbox
22372 }
22373
22374 \bidi@AfterFile{longtable-xetex-bidi.def}{%
22375 \if@komalongtable
22376     \renewcommand{\LT@makecaption}[3]{%
22377         \noalign{%
22378             \if@captionabove
22379                 \vskip\belowcaptionskip
22380             \else
22381                 \vskip\abovecaptionskip
22382             \fi
22383         }%
22384         \LT@mcol\LT@cols c{%
22385             \hbox to\z@{\hss\parbox[t]\linewidth{%
22386                 \def\@captype{table}%
22387                 \@makecaption{#1}{#2}{#3}%
22388                 \endgraf
22389                 \if@captionabove
22390                     \vskip\abovecaptionskip
22391                 \else
22392                     \vskip\belowcaptionskip
22393                 \fi
22394             }%
22395             \hss
22396         }%
22397     }%
22398 }%
22399 \renewcommand*\scr@LT@array}{}%
22400 \let\scr@LT@array=\LT@array
22401 \renewcommand*\LT@array{%
22402     \let\scr@caption=\LT@caption
22403     \def\captionabove{\noalign{\global\@captionabovetrue}%
22404         \scr@caption}%
22405     \def\captionbelow{\noalign{\global\@captionabovetrue}%
22406         \scr@caption}%
22407     \if@tablecaptionabove
22408         \let\LT@caption=\captionabove
22409     \else
22410         \let\LT@caption=\captionbelow
22411     \fi
22412     \scr@LT@array
22413 }%
22414 \ClassInfo{\KOMAClassName}{%
22415     longtable captions redefined%
22416 }%
22417 \fi
22418 }
22419

```



```

22420 \CloneTOCEntryStyle{tocline}{part}
22421 \TOCEntryStyleStartInitCode{part}{%
22422   \expandafter\renewcommand%
22423   \csname scr@tso@#1@linefill\endcsname{\hfill}%
22424   \expandafter\renewcommand%
22425   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
22426   \expandafter\renewcommand%
22427   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22428     {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
22429   \expandafter\renewcommand\expandafter*%
22430   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
22431 }
22432
22433 \CloneTOCEntryStyle{tocline}{section}
22434 \TOCEntryStyleStartInitCode{section}{%
22435   \expandafter\renewcommand%
22436   \csname scr@tso@#1@linefill\endcsname{%
22437     \if@sectionentrywithdots
22438       {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
22439     \else
22440       \hfill
22441     \fi
22442   }%
22443   \expandafter\renewcommand%
22444   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
22445   \expandafter\renewcommand%
22446   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{
22447   \expandafter\renewcommand\expandafter*%
22448   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
22449 }
22450
22451 \CloneTOCEntryStyle{tocline}{subsection}
22452 \TOCEntryStyleStartInitCode{subsection}{%
22453   \expandafter\renewcommand%
22454   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22455   \expandafter\renewcommand%
22456   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22457     {\normalfont\normalcolor ##1}}%
22458 }
22459
22460 \CloneTOCEntryStyle{subsection}{default}
22461
22462 \DeclareSectionCommand[%
22463   style=section,%
22464   level=1,%
22465   indent=\z@,%
22466   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
22467   afterskip=2.3ex \@plus.2ex,%
22468   tocstyle=section,%
22469   tocindent=0pt,%
22470   tocnumwidth=1.5em%
22471 ]{section}
22472 \DeclareSectionCommand[%
22473   style=part,%

```



```

22474 level=\z@,%
22475 tocstyle=part,%
22476 toplevel=\m@ne,%
22477 tocindent=\z@,%
22478 tocnumwidth=2em%
22479 ]{part}
22480 \DeclareSectionCommand[%
22481 style=section,%
22482 level=2,%
22483 indent=\z@,%
22484 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
22485 afterskip=1.5ex \@plus .2ex,%
22486 tocstyle=subsection,%
22487 tocindent=1.5em,%
22488 tocnumwidth=2.3em%
22489 ]{subsection}
22490 \DeclareSectionCommand[%
22491 style=section,%
22492 level=3,%
22493 indent=\z@,%
22494 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
22495 afterskip=1.5ex \@plus .2ex,%
22496 tocstyle=subsection,%
22497 tocindent=3.8em,%
22498 tocnumwidth=3.2em%
22499 ]{subsubsection}
22500 \DeclareSectionCommand[%
22501 style=section,%
22502 level=4,%
22503 indent=\z@,%
22504 beforekip=3.25ex \@plus1ex \@minus .2ex,%
22505 afterskip=-1em,%
22506 tocstyle=subsection,%
22507 tocindentfollows=subsubsection,%
22508 tocindent=7.0em,%
22509 tocnumwidth=4.1em%
22510 ]{paragraph}
22511 \DeclareSectionCommand[%
22512 style=section,%
22513 level=5,%
22514 indent=\scr@parindent,%
22515 beforekip=3.25ex \@plus1ex \@minus .2ex,%
22516 afterskip=-1em,%
22517 tocstyle=subsection,%
22518 tocindent=10em,%
22519 tocnumwidth=5em%
22520 ]{subparagraph}

```

142 File `scrbook-xetex-bidi.def`

```

22521 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class for
22522 \newcommand{\scr@saved@LTRfootnotetext}{}
22523 \newcommand{\scr@saved@RTLfootnotetext}{}
22524 \let\scr@saved@footnotetext\@footnotetext

```



```

22525 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
22526 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
22527 \renewcommand{\@footnotetext}[1]{%
22528   \scr@saved@footnotetext{#1}%
22529   \csname FN@mf@prepare\endcsname
22530 }
22531 \renewcommand{\@LTRfootnotetext}[1]{%
22532   \scr@saved@LTRfootnotetext{#1}%
22533   \csname FN@mf@prepare\endcsname
22534 }
22535 \renewcommand{\@RTLfootnotetext}[1]{%
22536   \scr@saved@RTLfootnotetext{#1}%
22537   \csname FN@mf@prepare\endcsname
22538 }
22539 \renewcommand\deffootnote[4] [] {%
22540   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
22541     \long\def\@makefntext##1{%
22542       \ExecuteDoHook{footnote/text/begin}%
22543       \raggedfootnote
22544       \if@RTL
22545         \rightskip
22546       \else
22547         \leftskip
22548       \fi
22549       #2
22550       \l@addto@macro\@trivlist{%
22551         \ifnum\@listdepth=\@ne\advance
22552           \if@RTL
22553             \rightmargin #2\relax
22554           \else
22555             \leftmargin #2\relax
22556           \fi
22557         \fi
22558       }%
22559       \parindent #3\noindent
22560       \IfArgIsEmpty{#1}{-}{%
22561         \hskip \dimexpr #1-#2\relax
22562       }%
22563       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22564       \ExecuteDoHook{footnote/text/end}%
22565     }%
22566   \else
22567     \ClassInfo{\KOMAClassName}{%
22568       Using old \string\@makefntext\space due to compatibility
22569       level\MessageBreak
22570       less than 3.22}%
22571     \long\def\@makefntext##1{%
22572       \setlength{\@tempdimc}{#3}%
22573       \def\@tempa{#1}\ifx\@tempa\@empty
22574         \setpar{\@par
22575           \@tempdima = \hsize
22576           \addtolength{\@tempdima}{-#2}%
22577           \if@RTL
22578             \parshape \@ne \z@ \@tempdima

```



```

22579         \else
22580             \parshape \@ne #2 \@tempdima
22581         \fi
22582     }%
22583 \else
22584     \addtolength{\@tempdimc}{#2}%
22585     \addtolength{\@tempdimc}{-#1}%
22586     \@setpar{\@par
22587         \@tempdima = \hspace
22588         \addtolength{\@tempdima}{-#1}%
22589         \@tempdimb = \hspace
22590         \addtolength{\@tempdimb}{-#2}%
22591         \ifRTL
22592             \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
22593         \else
22594             \parshape \tw@ #1 \@tempdima #2 \@tempdimb
22595         \fi
22596     }%
22597 \fi
22598 \par
22599 \parindent\@tempdimc\noindent
22600 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22601 }%
22602 \fi
22603 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
22604 }
22605 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
22606 \renewcommand*\left@footnoterule{%
22607     \normalsize\ftn@rule@test@values
22608     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22609     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22610     {\usekomafont{footnoterule}{%
22611         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
22612     \kern 2.6\p@}
22613 \renewcommand*\right@footnoterule{%
22614     \normalsize\ftn@rule@test@values
22615     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22616     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22617     {\usekomafont{footnoterule}{%
22618         \hbox to \columnwidth{\hspace \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
22619         \kern 2.6\p@}
22620 \renewcommand*\maketitle[1][1]{%
22621     \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
22622     \else
22623         \def\and{%
22624             \end{tabular}%
22625             \hspace 1em \@plus.17fil%
22626             \begin{tabular}[t]{c}%
22627         }%
22628     \fi
22629     \if@titlepage
22630         \begin{titlepage}
22631         \setcounter{page}{%
22632             #1%

```




```

22633 }%
22634 \if@titlepageiscoverpage
22635 \edef\titlepage@restore{%
22636 \noexpand\endgroup
22637 \noexpand\global\noexpand\@colht\the\@colht
22638 \noexpand\global\noexpand\@colroom\the\@colroom
22639 \noexpand\global\vsizethe\vsizethe
22640 \noexpand\global\noexpand\@titlepageiscoverpagefalse
22641 \noexpand\let\noexpand\titlepage@restore\noexpand\relax
22642 }%
22643 \beginingroup
22644 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
22645 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
22646 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
22647 \textwidth=\dimexpr
22648 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
22649 \textheight=\dimexpr
22650 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
22651 \headheight=0pt
22652 \headsep=0pt
22653 \footskip=\baselineskip
22654 \@colht=\textheight
22655 \@colroom=\textheight
22656 \vsizethe=\textheight
22657 \columnwidth=\textwidth
22658 \hsizethe=\columnwidth
22659 \linewidth=\hsizethe
22660 \else
22661 \let\titlepage@restore\relax
22662 \fi
22663 \let\footnotesize\small
22664 \let\right@footnoterule\relax
22665 \let\left@footnoterule\relax
22666 \let\textwidth@footnoterule\relax
22667 \let\footnote\thanks
22668 \let\LTRfootnote\LTRthanks
22669 \let\RTLfootnote\RTLthanks
22670 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22671 \let\@oldmakefnmark\@makefnmark
22672 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
22673 \ifx\@extratitle\@empty
22674 \ifx\@frontispiece\@empty
22675 \else
22676 \if@twoside\mbox{}\next@tpage\fi
22677 \noindent\@frontispiece\next@tdpage
22678 \fi
22679 \else
22680 \noindent\@extratitle
22681 \ifx\@frontispiece\@empty
22682 \else
22683 \next@tpage
22684 \noindent\@frontispiece
22685 \fi
22686 \next@tdpage

```



```

22687 \fi
22688 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
22689 \ifx\@titlehead\@empty \else
22690 \begin{minipage}[t]{\textwidth}%
22691 \usekomafont{titlehead}{\@titlehead\par}%
22692 \end{minipage}\par
22693 \fi
22694 \null\vfill
22695 \begin{center}
22696 \ifx\@subject\@empty \else
22697 {\usekomafont{subject}{\@subject\par}}%
22698 \vskip 3em
22699 \fi
22700 {\usekomafont{title}{\huge \@title\par}}%
22701 \vskip 1em
22702 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
22703 \vskip 2em
22704 {%
22705 \usekomafont{author}{%
22706 \lineskip 0.75em
22707 \begin{tabular}[t]{c}
22708 \@author
22709 \end{tabular}\par
22710 }%
22711 }%
22712 \vskip 1.5em
22713 {\usekomafont{date}{\@date \par}}%
22714 \vskip \z@ \@plus3fill
22715 {\usekomafont{publishers}{\@publishers \par}}%
22716 \vskip 3em
22717 \end{center}\par
22718 \@thanks\global\let\@thanks\@empty
22719 \vfill\null
22720 \if@twoside
22721 \@tempswatrue
22722 \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
22723 \else
22724 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
22725 \@tempswafalse
22726 \fi\fi
22727 \fi
22728 \if@tempswa
22729 \next@tpage
22730 \begin{minipage}[t]{\textwidth}
22731 \@uppertitleback
22732 \end{minipage}\par
22733 \vfill
22734 \begin{minipage}[b]{\textwidth}
22735 \@lowertitleback
22736 \end{minipage}\par
22737 \@thanks\global\let\@thanks\@empty
22738 \fi
22739 \else
22740 \ifx\@uppertitleback\@empty\else

```



```

22741     \ClassWarning{\KOMAClassName}{%
22742         non empty \string\uppertitleback\space ignored
22743         by \string\maketitle\MessageBreak
22744         in `twoside=false' mode%
22745     }%
22746     \fi
22747     \ifx\@lowertitleback\@empty\else
22748         \ClassWarning{\KOMAClassName}{%
22749             non empty \string\lowertitleback\space ignored
22750             by \string\maketitle\MessageBreak
22751             in `twoside=false' mode%
22752         }%
22753     \fi
22754 \fi
22755 \ifx\@dedication\@empty
22756 \else
22757     \next@tdpage\null\vfill
22758     {\centering\usekomafont{dedication}{\@dedication \par}}%
22759     \vskip \z@ \@plus3fill
22760     \@thanks\global\let\@thanks\@empty
22761     \cleardoubleemptypage
22762 \fi
22763 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
22764 \end{titlepage}
22765 \else
22766     \par
22767     \@tempcnta=%
22768     #1%
22769     \relax\ifnum\@tempcnta=1\else
22770         \ClassWarning{\KOMAClassName}{%
22771             Optional argument of \string\maketitle\space ignored\MessageBreak
22772             in `titlepage=false' mode%
22773         }%
22774     \fi
22775     \ifx\@uppertitleback\@empty\else
22776         \ClassWarning{\KOMAClassName}{%
22777             non empty \string\uppertitleback\space ignored
22778             by \string\maketitle\MessageBreak
22779             in `titlepage=false' mode%
22780         }%
22781     \fi
22782     \ifx\@lowertitleback\@empty\else
22783         \ClassWarning{\KOMAClassName}{%
22784             non empty \string\lowertitleback\space ignored
22785             by \string\maketitle\MessageBreak
22786             in `titlepage=false' mode%
22787         }%
22788     \fi
22789     \begingroup
22790         \let\titlepage@restore\relax
22791         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22792         \let\@oldmakefnmark\@makefnmark
22793         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
22794         \next@tdpage

```



```

22795 \if@twocolumn
22796 \ifnum \col@number=\@ne
22797 \ifx\@extratitle\@empty
22798 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22799 \else
22800 \@makeextratitle
22801 \fi
22802 \ifx\@frontispiece\@empty
22803 \ifx\@extratitle\@empty\else\next@tdpage\fi
22804 \else
22805 \next@tpage
22806 \@makefrontispiece
22807 \next@tdpage
22808 \fi
22809 \@maketitle
22810 \else
22811 \ifx\@extratitle\@empty
22812 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22813 \else
22814 \twocolumn[\@makeextratitle]%
22815 \fi
22816 \ifx\@frontispiece\@empty
22817 \ifx\@extratitle\@empty\else\next@tdpage\fi
22818 \else
22819 \next@tpage
22820 \twocolumn[\@makefrontispiece]%
22821 \next@tdpage
22822 \fi
22823 \twocolumn[\@maketitle]%
22824 \fi
22825 \else
22826 \ifx\@extratitle\@empty
22827 \ifx\@frontispiece\@empty\else \mbox{}\fi
22828 \else
22829 \@makeextratitle
22830 \fi
22831 \ifx\@frontispiece\@empty
22832 \ifx\@extratitle\@empty\else\next@tdpage\fi
22833 \else
22834 \next@tpage
22835 \@makefrontispiece
22836 \next@tdpage
22837 \fi
22838 \@maketitle
22839 \fi
22840 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22841 \@thanks\global\let\@thanks\@empty
22842 \endgroup
22843 \fi
22844 \setcounter{footnote}{0}%
22845 \expandafter\ifnum \c@name scr@v@3.12\endc@name>\scr@compatibility\relax
22846 \let\thanks\relax
22847 \let\LTRthanks\relax
22848 \let\RTLthanks\relax

```



```

22849 \let\maketitle\relax
22850 \let\@maketitle\relax
22851 \global\let\@thanks\@empty
22852 \global\let\@author\@empty
22853 \global\let\@date\@empty
22854 \global\let\@title\@empty
22855 \global\let\@subtitle\@empty
22856 \global\let\@extratitle\@empty
22857 \global\let\@frontispiece\@empty
22858 \global\let\@titlehead\@empty
22859 \global\let\@subject\@empty
22860 \global\let\@publishers\@empty
22861 \global\let\@uppertitleback\@empty
22862 \global\let\@lowertitleback\@empty
22863 \global\let\@dedication\@empty
22864 \global\let\author\relax
22865 \global\let\title\relax
22866 \global\let\extratitle\relax
22867 \global\let\titlehead\relax
22868 \global\let\subject\relax
22869 \global\let\publishers\relax
22870 \global\let\uppertitleback\relax
22871 \global\let\lowertitleback\relax
22872 \global\let\dedication\relax
22873 \global\let\date\relax
22874 \fi
22875 \global\let\and\relax
22876 }%
22877 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
22878 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
22879 \renewcommand*\thesection{%
22880 \expandafter\ifnum\scr@v@is>{2.97d}%
22881 \if@mainmatter\thechapter\@SepMark\fi
22882 \else
22883 \thechapter\@SepMark%
22884 \fi
22885 \@arabic\c@section
22886 }
22887 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
22888 \renewcommand*{\thesubsubsection}{%
22889 \thesubsection\@SepMark\@arabic\c@subsubsection
22890 }
22891 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
22892 \renewcommand*{\thesubparagraph}{%
22893 \theparagraph\@SepMark\@arabic\c@subparagraph
22894 }
22895 \expandafter\ifnum\scr@v@is<{2.97d}%
22896 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
22897 \fi
22898 \expandafter\ifnum\scr@v@is<{2.97d}%
22899 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
22900 \fi
22901 \renewcommand*{\theequation}{%
22902 \expandafter\ifnum\scr@v@is>{2.97d}%

```



```

22903   \if@mainmatter\thechapter\@SepMark\fi
22904   \else
22905     \thechapter\@SepMark%
22906   \fi
22907   \@arabic\c@equation
22908 }
22909 \renewenvironment{thebibliography}[1]{%
22910   \if@bib@break@
22911     \bib@beginhook
22912   \else
22913     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22914       \setchapterpreamble{\bibpreamble}%
22915     \fi\fi
22916     \bib@heading
22917     \bib@beginhook
22918     \bib@before@hook
22919   \fi
22920   \renewcommand{\BreakBibliography}[1]{%
22921     \@bib@break
22922     \end{thebibliography}%
22923     \begingroup ##1\endgroup
22924     \begin{thebibliography}{#1}
22925   }%
22926   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
22927   \bidi@thebibliography@font@hook%
22928   \list{%
22929     \@biblabel{\@arabic\c@enumiv}%
22930   }{%
22931     \settowidth\labelwidth{\@biblabel{#1}}%
22932     \leftmargin\labelwidth
22933     \advance\leftmargin\labelsep
22934     \@openbib@code
22935     \if@bib@break@
22936       \edef\@tempa{%
22937         \noexpand\usecounter{enumiv}%
22938         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22939       }\@tempa
22940       \no@bib@break
22941     \else
22942       \usecounter{enumiv}%
22943     \fi
22944     \let\p@enumiv\@empty
22945     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
22946   }%
22947   \sloppy\clubpenalty4000 \widowpenalty4000
22948   \sfcode`\.=\@m
22949 }{%
22950   \if@bib@break@
22951     \def\@noitemerr{%
22952       \@latex@warning{%
22953         \string\BreakBibliography\space at begin of `thebibliography'
22954         environment\MessageBreak
22955         or following \string\BreakBibliography}%
22956     }%

```



```

22957 \else
22958   \def\@noitemerr{%
22959     \@latex@warning{%
22960       Empty `thebibliography' environment or
22961       \string\BreakBibliography\MessageBreak
22962       before end of `thebibliography' environment}%
22963     }%
22964   \fi
22965 \endlist
22966 \if@bib@break@
22967 \else
22968   \bib@after@hook
22969   \let\bib@before@hook\@empty
22970   \let\bib@after@hook\@empty
22971 \fi
22972 \bib@endhook
22973 }
22974 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
22975 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
22976 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
22977 \renewcommand\marginline[1]{%
22978   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
22979 }
22980 \renewcommand{\@@makecaption}[3]{%
22981   \cap@margin
22982   \begingroup
22983     \ifonelinecaptions
22984     \def\stepcounter##1{\advance\value{##1}\@ne}%
22985     \let\refstepcounter\stepcounter
22986     \let\label\@gobble
22987     \let\@footnotetext=\@gobble
22988     \let\@LTRfootnotetext=\@gobble
22989     \let\@RTLfootnotetext=\@gobble
22990     \let\hypertarget\@gobbletwo
22991     \edef\@xnewline{%
22992       \unexpanded{\ClassInfo{\KOMAClassName}}{%
22993         Workaround for not recommended usage of \string\ or\MessageBreak
22994         \string\newline in caption text
22995       }%
22996       \hspace*{\linewidth}\hspace{1sp}%
22997     }%
22998     \unexpanded\expandafter{\@xnewline}%
22999   }%
23000 \edef\@xcentercr{%
23001   \unexpanded{\ClassInfo{\KOMAClassName}}{%
23002     Workaround for not recommended usage of \string\ or\MessageBreak
23003     \string\newline in caption text
23004   }%
23005   \hspace*{\linewidth}\hspace{1sp}%
23006 }%
23007 \unexpanded\expandafter{\@xcentercr}%
23008 }%
23009 \settowidth{\@tempdima}{\scr@@makesinglelinecaption{#1}{#2}{#3}}%
23010 \ifdim\@tempdima>\cap@width

```



```

23011         \aftergroup\scr@makemultilinecaption
23012     \else
23013         \aftergroup\scr@makesinglelinecaption
23014     \fi
23015 \else
23016     \aftergroup\scr@makemultilinecaption
23017 \fi
23018 \endgroup
23019 {#1}{#2}{#3}%
23020 }
23021 \renewcommand{\scr@makesinglelinecaption}[3]{%
23022     {%
23023         \usefontofkomafont{caption}{%
23024             \hb@xt@\hsize{%
23025                 \cap@left
23026                 \if@RTL
23027                     \beginR
23028                     \fi
23029                     \scr@@makesinglelinecaption{#1}{#2}{#3}%
23030                 \if@RTL
23031                     \endR
23032                 \fi
23033                 \cap@right
23034             }\par\kern\dp\strutbox%
23035         }%
23036     }\kern-\dp\strutbox
23037 }
23038 \renewcommand{\@makecaption}[2]{%
23039     \if@captionabove
23040         \vskip\belowcaptionskip
23041     \else
23042         \vskip\abovecaptionskip
23043     \fi
23044     \@makecaption\@firstofone{#1}{#2}%
23045     \if@captionabove
23046         \vskip\abovecaptionskip
23047     \else
23048         \vskip\belowcaptionskip
23049     \fi
23050 }
23051
23052 \renewcommand{\scr@@makesinglelinecaption}[3]{%
23053     {\usekomafont{caption}{\strut\ignorespaces
23054         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
23055     \ignorespaces #3\unskip}}%
23056 }
23057
23058 \renewcommand{\scr@makemultilinecaption}[3]{%
23059     {%
23060         \usefontofkomafont{caption}{%
23061             \hb@xt@\hsize{%
23062                 \cap@left
23063                 \vbox{\hsize\cap@width\linewidth\hsize
23064                     \scr@ifundefinedorrelax{@caption}{%

```




```

23065 \ClassWarning{\KOMAClassName}{%
23066   `string\caption' outside float.\MessageBreak
23067   Seems you are using `string\caption' outside a
23068   float.\MessageBreak
23069   Maybe you are using a package that uses
23070   `string\makecaption'\MessageBreak
23071   without setting `string\capttype' before.\MessageBreak
23072   Because I cannot detect the caption type, I'm using\MessageBreak
23073   the empty one.%
23074 }%
23075 \let\capttype\empty
23076 }{}%
23077 \scr@ifundefinedorrelax{ragged\capttype}{\raggedcaption}{%
23078   \@nameuse{ragged\capttype}}%
23079 }%
23080 \ifdofullc@p
23081   \@hangfrom{%
23082     \strut
23083     \scr@smashdp{%
23084       #1{%
23085         \usekomafont{caption}{%
23086           \usekomafont{captionlabel}{#2\captionformat}%
23087         }%
23088       }%
23089     }%
23090   }%
23091   {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23092 \else
23093   \ifdim\cap@indent<\z@
23094     \strut
23095     #1{%
23096       {\usekomafont{caption}{%
23097         \usekomafont{captionlabel}{#2\captionformat}%
23098       }%
23099     }\par}%
23100     \noindent{\usekomafont{caption}{%
23101       \hspace*{-\cap@indent}#3\scr@endstrut
23102     }}\par}%
23103   \else
23104     \if@capbreak
23105       \strut
23106       #1{%
23107         {\usekomafont{caption}{%
23108           \usekomafont{captionlabel}{#2\captionformat}%
23109         }
23110       }\par}%
23111       \noindent\@hangfrom{\hspace*{-\cap@indent}}%
23112       {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23113     \else
23114       \@hangfrom{\scr@smashdp\strut\hspace*{-\cap@indent}}%
23115       {%
23116         \hspace*{-\cap@indent}%
23117         \scr@smashdp{%
23118           #1{\usekomafont{caption}{%

```



```

23119             \usekomafont{captionlabel}{#2\captionformat}%
23120             }%
23121             }%
23122             }%
23123             {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23124             }%
23125             \fi
23126             \fi
23127             \fi
23128             }%
23129             \cap@right
23130             }\par\kern\dp\strutbox
23131             }%
23132             }\kern-\dp\strutbox
23133             }
23134
23135
23136 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23137   \if@komalongtable
23138     \renewcommand{\LT@makecaption}[3]{%
23139       \noalign{%
23140         \if@captionabove
23141           \vskip\belowcaptionskip
23142         \else
23143           \vskip\abovecaptionskip
23144         \fi
23145       }%
23146       \LT@mc\LT@cols c{%
23147         \hbox to\z@{\hss\parbox[t]\linewidth{%
23148           \def\@c@p@t@y@e{table}%
23149           \@makecaption{#1}{#2}{#3}%
23150           \endgraf
23151           \if@captionabove
23152             \vskip\abovecaptionskip
23153           \else
23154             \vskip\belowcaptionskip
23155           \fi
23156         }%
23157         \hss
23158       }%
23159     }%
23160   }%
23161   \renewcommand*\{\scr@LT@array}{}%
23162   \let\scr@LT@array=\LT@array
23163   \renewcommand*\{\LT@array}{%
23164     \let\scr@caption=\LT@caption
23165     \def\captionabove{\noalign{\global\@captionabovetrue}%
23166       \scr@caption}%
23167     \def\captionbelow{\noalign{\global\@captionabovefalse}%
23168       \scr@caption}%
23169     \if@tablecaptionabove
23170       \let\LT@caption=\captionabove
23171     \else
23172       \let\LT@caption=\captionbelow

```



```

23173     \fi
23174     \scr@LT@array
23175   }%
23176   \ClassInfo{\KOMAClassName}{%
23177     longtable captions redefined%
23178   }%
23179 \fi
23180 }
23181
23182 \CloneTOCEntryStyle{tocline}{part}
23183 \TOCEntryStyleStartInitCode{part}{%
23184   \expandafter\renewcommand%
23185   \csname scr@tso@#1@linefill\endcsname{\hfill}%
23186   \expandafter\renewcommand%
23187   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23188   \expandafter\renewcommand%
23189   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23190     {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}}%
23191   \expandafter\renewcommand\expandafter*%
23192   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
23193 }
23194
23195 \CloneTOCEntryStyle{tocline}{chapter}
23196 \TOCEntryStyleStartInitCode{chapter}{%
23197   \expandafter\renewcommand%
23198   \csname scr@tso@#1@linefill\endcsname{%
23199     \if@chapterentrywithdots
23200       {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23201     \else
23202       \hfill
23203     \fi
23204   }%
23205   \expandafter\renewcommand%
23206   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
23207   \expandafter\renewcommand%
23208   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23209     {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}}%
23210   \expandafter\renewcommand\expandafter*%
23211   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
23212 }
23213
23214 \CloneTOCEntryStyle{tocline}{section}
23215 \TOCEntryStyleStartInitCode{section}{%
23216   \expandafter\renewcommand%
23217   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23218   \expandafter\renewcommand%
23219   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23220     {\normalfont\normalcolor ##1}}%
23221 }
23222
23223 \CloneTOCEntryStyle{section}{default}
23224
23225 \DeclareSectionCommand[%
23226   style=chapter,%

```



```

23227 level=\z@,%
23228 pagestyle=plain,%
23229 tocstyle=chapter,%
23230 tocindent=\z@,%
23231 tocnumwidth=1.5em%
23232 ]{chapter}
23233 \DeclareSectionCommand[%
23234 style=section,%
23235 level=1,%
23236 indent=\z@,%
23237 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
23238 afterskip=2.3ex \@plus .2ex,%
23239 tocstyle=section,%
23240 tocindentfollows=chapter,%
23241 tocindent=1.5em,%
23242 tocnumwidth=2.3em%
23243 ]{section}
23244 \DeclareSectionCommand[%
23245 style=part,%
23246 level=\m@ne,%
23247 pagestyle=plain,%
23248 tocstyle=part,%
23249 toplevel=\m@ne,%
23250 tocindent=\z@,%
23251 tocnumwidth=2em%
23252 ]{part}
23253 \DeclareSectionCommand[%
23254 style=section,%
23255 level=2,%
23256 indent=\z@,%
23257 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
23258 afterskip=1.5ex \@plus .2ex,%
23259 tocstyle=section,%
23260 tocindent=3.8em,%
23261 tocnumwidth=3.2em%
23262 ]{subsection}
23263 \DeclareSectionCommand[%
23264 style=section,%
23265 level=3,%
23266 indent=\z@,%
23267 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
23268 afterskip=1.5ex \@plus .2ex,%
23269 tocstyle=section,%
23270 tocindent=7.0em,%
23271 tocnumwidth=4.1em%
23272 ]{subsubsection}
23273 \DeclareSectionCommand[%
23274 style=section,%
23275 level=4,%
23276 indent=\z@,%
23277 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
23278 afterskip=-1em,%
23279 tocindentfollows=subsubsection,%
23280 tocstyle=section,%

```



```

23281 tocindent=10em,%
23282 tocnumwidth=5em%
23283 ]{paragraph}
23284 \DeclareSectionCommand[%
23285 style=section,%
23286 level=5,%
23287 indent=\scr@parindent,%
23288 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
23289 afterskip=-1em,%
23290 tocstyle=section,%
23291 tocindent=12em,%
23292 tocnumwidth=6em%
23293 ]{subparagraph}

```

143 File `scrreprt-xetex-bidi.def`

```

23294 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class f
23295 \newcommand{\scr@saved@LTRfootnotetext}{}
23296 \newcommand{\scr@saved@RTLfootnotetext}{}
23297 \let\scr@saved@footnotetext\@footnotetext
23298 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
23299 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
23300 \renewcommand{\@footnotetext}[1]{%
23301 \scr@saved@footnotetext{#1}%
23302 \csname FN@mf@prepare\endcsname
23303 }
23304 \renewcommand{\@LTRfootnotetext}[1]{%
23305 \scr@saved@LTRfootnotetext{#1}%
23306 \csname FN@mf@prepare\endcsname
23307 }
23308 \renewcommand{\@RTLfootnotetext}[1]{%
23309 \scr@saved@RTLfootnotetext{#1}%
23310 \csname FN@mf@prepare\endcsname
23311 }
23312 \renewcommand\deffootnote[4][]{%
23313 \expandafter\ifnum\scr@v@is@ge{3.22}\relax
23314 \long\def\@makefntext##1{%
23315 \ExecuteDoHook{footnote/text/begin}%
23316 \raggedfootnote
23317 \if@RTL
23318 \rightskip
23319 \else
23320 \leftskip
23321 \fi
23322 #2
23323 \l@addto@macro\@trivlist{%
23324 \ifnum\@listdepth=\@ne
23325 \if@RTL
23326 \advance\rightmargin #2\relax
23327 \else
23328 \advance\leftmargin #2\relax
23329 \fi
23330 \fi
23331 }%

```



```

23332 \parindent #3\noindent
23333 \IfArgIsEmpty{#1}-{%
23334 \hskip \dimexpr #1-#2\relax
23335 }%
23336 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
23337 \ExecuteDoHook{footnote/text/end}%
23338 }%
23339 \else
23340 \ClassInfo{\KOMAClassName}{%
23341 Using old \string\@makefnmark\space due to compatibility
23342 level\MessageBreak
23343 less than 3.22}%
23344 \long\def\@makefnmark##1{%
23345 \setlength{\@tempdimc}{#3}%
23346 \def\@tempa{#1}\ifx\@tempa\@empty
23347 \setpar{\@par
23348 \@tempdima = \hsize
23349 \addtolength{\@tempdima}{-#2}%
23350 \if@RTL
23351 \parshape \@ne \z@ \@tempdima
23352 \else
23353 \parshape \@ne #2 \@tempdima
23354 \fi
23355 }%
23356 \else
23357 \addtolength{\@tempdimc}{#2}%
23358 \addtolength{\@tempdimc}{-#1}%
23359 \setpar{\@par
23360 \@tempdima = \hsize
23361 \addtolength{\@tempdima}{-#1}%
23362 \@tempdimb = \hsize
23363 \addtolength{\@tempdimb}{-#2}%
23364 \if@RTL
23365 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
23366 \else
23367 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
23368 \fi
23369 }%
23370 \fi
23371 \par
23372 \parindent\@tempdimc\noindent
23373 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
23374 }%
23375 \fi
23376 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
23377 }
23378 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
23379 \renewcommand*\left@footnoterule{%
23380 \normalsize\ftn@rule@test@values
23381 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
23382 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23383 {\usekomafont{footnoterule}{%
23384 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
23385 \kern 2.6\p@}

```



```

23386 \renewcommand* \right@footnoterule{%
23387 \normalsize\ftn@rule@test@values
23388 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
23389 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23390 {\usekomafont{footnoterule}{%
23391 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
23392 \kern 2.6\p@}
23393 \renewcommand*\maketitle[1][1]{%
23394 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
23395 \else
23396 \def\and{%
23397 \end{tabular}%
23398 \hskip 1em \@plus.17fil%
23399 \begin{tabular}[t]{c}%
23400 }%
23401 \fi
23402 \if@titlepage
23403 \begin{titlepage}
23404 \setcounter{page}{%
23405 #1%
23406 }%
23407 \if@titlepageiscoverpage
23408 \edef\tITLEPAGE@restore{%
23409 \noexpand\endgroup
23410 \noexpand\global\noexpand\@colht\the\@colht
23411 \noexpand\global\noexpand\@colroom\the\@colroom
23412 \noexpand\global\vsizethe\vsizethe
23413 \noexpand\global\noexpand\@titlepageiscoverpagefalse
23414 \noexpand\let\noexpand\tITLEPAGE@restore\noexpand\relax
23415 }%
23416 \begingroup
23417 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
23418 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
23419 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
23420 \textwidth=\dimexpr
23421 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
23422 \textheight=\dimexpr
23423 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
23424 \headheight=0pt
23425 \headsep=0pt
23426 \footskip=\baselineskip
23427 \@colht=\textheight
23428 \@colroom=\textheight
23429 \vsizethe\textheight
23430 \columnwidth=\textwidth
23431 \hsize=\columnwidth
23432 \linewidth=\hsize
23433 \else
23434 \let\tITLEPAGE@restore\relax
23435 \fi
23436 \let\footnotesize\small
23437 \let\right@footnoterule\relax
23438 \let\left@footnoterule\relax
23439 \let\textwidth@footnoterule\relax

```



```

23440 \let\footnote\thanks
23441 \let\LTRfootnote\LTRthanks
23442 \let\RTLfootnote\RTLthanks
23443 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23444 \let\@oldmakefnmark\@makefnmark
23445 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
23446 \ifx\@extratitle\@empty
23447   \ifx\@frontispiece\@empty
23448     \else
23449       \if@twoside\mbox{}\next@tpage\fi
23450       \noindent\@frontispiece\next@tdpage
23451     \fi
23452   \else
23453     \noindent\@extratitle
23454     \ifx\@frontispiece\@empty
23455       \else
23456         \next@tpage
23457         \noindent\@frontispiece
23458       \fi
23459     \next@tdpage
23460   \fi
23461 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
23462 \ifx\@titlehead\@empty \else
23463   \begin{minipage}[t]{\textwidth}%
23464     \usekomafont{titlehead}{\@titlehead\par}%
23465   \end{minipage}\par
23466 \fi
23467 \null\vfill
23468 \begin{center}
23469   \ifx\@subject\@empty \else
23470     {\usekomafont{subject}{\@subject\par}}%
23471     \vskip 3em
23472   \fi
23473   {\usekomafont{title}{\huge \@title\par}}%
23474   \vskip 1em
23475   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
23476   \vskip 2em
23477   {%
23478     \usekomafont{author}{%
23479       \lineskip 0.75em
23480       \begin{tabular}[t]{c}
23481         \@author
23482       \end{tabular}\par
23483     }%
23484   }%
23485   \vskip 1.5em
23486   {\usekomafont{date}{\@date \par}}%
23487   \vskip \z@ \@plus3fill
23488   {\usekomafont{publishers}{\@publishers \par}}%
23489   \vskip 3em
23490 \end{center}\par
23491 \@thanks\global\let\@thanks\@empty
23492 \vfill\null
23493 \if@twoside

```




```

23494 \@tempwattrue
23495 \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
23496 \else
23497 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
23498 \@tempwafalse
23499 \fi\fi
23500 \fi
23501 \if@tempswa
23502 \next@tpage
23503 \begin{minipage}[t]{\textwidth}
23504 \@uppertitleback
23505 \end{minipage}\par
23506 \vfill
23507 \begin{minipage}[b]{\textwidth}
23508 \@lowertitleback
23509 \end{minipage}\par
23510 \@thanks\global\let\@thanks\@empty
23511 \fi
23512 \else
23513 \ifx\@uppertitleback\@empty\else
23514 \ClassWarning{\KOMAClassName}{%
23515 non empty \string\uppertitleback\space ignored
23516 by \string\maketitle\MessageBreak
23517 in `twoside=false' mode%
23518 }%
23519 \fi
23520 \ifx\@lowertitleback\@empty\else
23521 \ClassWarning{\KOMAClassName}{%
23522 non empty \string\lowertitleback\space ignored
23523 by \string\maketitle\MessageBreak
23524 in `twoside=false' mode%
23525 }%
23526 \fi
23527 \fi
23528 \ifx\@dedication\@empty
23529 \else
23530 \next@tdpage\null\vfill
23531 {\centering\usekomafont{dedication}{\@dedication \par}}%
23532 \vskip \z@ \@plus3fill
23533 \@thanks\global\let\@thanks\@empty
23534 \cleardoubleemptypage
23535 \fi
23536 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
23537 \end{titlepage}
23538 \else
23539 \par
23540 \@tempcnta=%
23541 #1%
23542 \relax\ifnum\@tempcnta=1\else
23543 \ClassWarning{\KOMAClassName}{%
23544 Optional argument of \string\maketitle\space ignored\MessageBreak
23545 in `titlepage=false' mode%
23546 }%
23547 \fi

```



```

23548 \ifx\@uppertitleback\@empty\else
23549 \ClassWarning{\KOMAClassName}{%
23550 non empty \string\uppertitleback\space ignored
23551 by \string\maketitle\MessageBreak
23552 in `titlepage=false' mode%
23553 }%
23554 \fi
23555 \ifx\@lowertitleback\@empty\else
23556 \ClassWarning{\KOMAClassName}{%
23557 non empty \string\lowertitleback\space ignored
23558 by \string\maketitle\MessageBreak
23559 in `titlepage=false' mode%
23560 }%
23561 \fi
23562 \begingroup
23563 \let\titlepage@restore\relax
23564 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23565 \let\@oldmakefnmark\@makefnmark
23566 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
23567 \next@tdpage
23568 \if@twocolumn
23569 \ifnum \col@number=\@ne
23570 \ifx\@extratitle\@empty
23571 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23572 \else
23573 \@makeextratitle
23574 \fi
23575 \ifx\@frontispiece\@empty
23576 \ifx\@extratitle\@empty\else\next@tdpage\fi
23577 \else
23578 \next@tpage
23579 \@makefrontispiece
23580 \next@tdpage
23581 \fi
23582 \@maketitle
23583 \else
23584 \ifx\@extratitle\@empty
23585 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23586 \else
23587 \twocolumn[\@makeextratitle]%
23588 \fi
23589 \ifx\@frontispiece\@empty
23590 \ifx\@extratitle\@empty\else\next@tdpage\fi
23591 \else
23592 \next@tpage
23593 \twocolumn[\@makefrontispiece]%
23594 \next@tdpage
23595 \fi
23596 \twocolumn[\@maketitle]%
23597 \fi
23598 \else
23599 \ifx\@extratitle\@empty
23600 \ifx\@frontispiece\@empty\else \mbox{}\fi
23601 \else

```



```

23602         \@makeextratitle
23603     \fi
23604     \ifx\@frontispiece\@empty
23605         \ifx\@extratitle\@empty\else\next@tdpage\fi
23606     \else
23607         \next@tpage
23608         \@makefrontispiece
23609         \next@tdpage
23610     \fi
23611     \@maketitle
23612 \fi
23613     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
23614     \@thanks\global\let\@thanks\@empty
23615 \endgroup
23616 \fi
23617 \setcounter{footnote}{0}%
23618 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
23619     \let\thanks\relax
23620     \let\LTRthanks\relax
23621     \let\RTLthanks\relax
23622     \let\maketitle\relax
23623     \let\@maketitle\relax
23624     \global\let\@thanks\@empty
23625     \global\let\@author\@empty
23626     \global\let\@date\@empty
23627     \global\let\@title\@empty
23628     \global\let\@subtitle\@empty
23629     \global\let\@extratitle\@empty
23630     \global\let\@frontispiece\@empty
23631     \global\let\@titlehead\@empty
23632     \global\let\@subject\@empty
23633     \global\let\@publishers\@empty
23634     \global\let\@uppertitleback\@empty
23635     \global\let\@lowertitleback\@empty
23636     \global\let\@dedication\@empty
23637     \global\let\author\relax
23638     \global\let\title\relax
23639     \global\let\extratitle\relax
23640     \global\let\titlehead\relax
23641     \global\let\subject\relax
23642     \global\let\publishers\relax
23643     \global\let\uppertitleback\relax
23644     \global\let\lowertitleback\relax
23645     \global\let\dedication\relax
23646     \global\let\date\relax
23647 \fi
23648 \global\let\and\relax
23649 }%
23650 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
23651 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
23652 \renewcommand*\thesection{%
23653     \thechapter\@SepMark%
23654     \@arabic\c@section
23655 }

```



```

23656 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
23657 \renewcommand*{\thesubsubsection}{%
23658   \thesubsection\@SepMark\@arabic\c@subsubsection
23659 }
23660 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
23661 \renewcommand*{\thesubparagraph}{%
23662   \theparagraph\@SepMark\@arabic\c@subparagraph
23663 }
23664 \expandafter\ifnum\scr@v@is@le{2.97d}%
23665   \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
23666 \fi
23667 \expandafter\ifnum\scr@v@is@le{2.97d}%
23668   \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
23669 \fi
23670 \renewcommand*\theequation{%
23671   \thechapter\@SepMark%
23672   \@arabic\c@equation
23673 }
23674 \renewenvironment{thebibliography}[1]{%
23675   \if@bib@break@
23676     \bib@beginhook
23677   \else
23678     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
23679       \setchapterpreamble{\bibpreamble}%
23680     \fi\fi
23681     \bib@heading
23682     \bib@beginhook
23683     \bib@before@hook
23684   \fi
23685   \renewcommand{\BreakBibliography}[1]{%
23686     \@bib@break
23687     \end{thebibliography}%
23688     \begingroup ##1\endgroup
23689     \begin{thebibliography}{#1}
23690   }%
23691   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
23692   \bidi@thebibliography@font@hook%
23693   \list{%
23694     \@biblabel{\@arabic\c@enumiv}%
23695   }{%
23696     \settowidth\labelwidth{\@biblabel{#1}}%
23697     \leftmargin\labelwidth
23698     \advance\leftmargin\labelsep
23699     \@openbib@code
23700     \if@bib@break@
23701       \edef\@tempa{%
23702         \noexpand\usecounter{enumiv}%
23703         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
23704       }\@tempa
23705       \no@bib@break
23706     \else
23707       \usecounter{enumiv}%
23708     \fi
23709     \let\p@enumiv\@empty

```



```

23710 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
23711 }%
23712 \sloppy\clubpenalty4000 \widowpenalty4000
23713 \sfcode`\.=\@m
23714 }{%
23715 \if@bib@break@
23716 \def\@noitemerr{%
23717 \latex@warning{%
23718 \string\BreakBibliography\space at begin of `thebibliography'
23719 environment\MessageBreak
23720 or following \string\BreakBibliography}%
23721 }%
23722 \else
23723 \def\@noitemerr{%
23724 \latex@warning{%
23725 Empty `thebibliography' environment or
23726 \string\BreakBibliography\MessageBreak
23727 before end of `thebibliography' environment}%
23728 }%
23729 \fi
23730 \endlist
23731 \if@bib@break@
23732 \else
23733 \bib@after@hook
23734 \let\bib@before@hook\@empty
23735 \let\bib@after@hook\@empty
23736 \fi
23737 \bib@endhook
23738 }
23739 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
23740 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
23741 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
23742 \renewcommand\marginline[1]{%
23743 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
23744 }
23745 \renewcommand{\@makecaption}[3]{%
23746 \cap@margin
23747 \begingroup
23748 \ifonelinecaptions
23749 \def\stepcounter##1{\advance\value{##1}\@ne}%
23750 \let\refstepcounter\stepcounter
23751 \let\label\@gobble
23752 \let\@footnotetext=\@gobble
23753 \let\@LTRfootnotetext=\@gobble
23754 \let\@RTLfootnotetext=\@gobble
23755 \let\hypertarget\@gobbletwo
23756 \edef\@xnewline{%
23757 \unexpanded{\ClassInfo{\KOMAClassName}}{%
23758 Workaround for not recommended usage of \string\ or\MessageBreak
23759 \string\newline in caption text
23760 }%
23761 \hspace*{\linewidth}\hspace{1sp}}%
23762 }%
23763 \unexpanded\expandafter{\@xnewline}%

```



```

23764 }%
23765 \edef\xcentercr{%
23766   \unexpanded{\ClassInfo{\KOMAClassName}{%
23767     Workaround for not recommended usage of \string\\ or\MessageBreak
23768     \string\newline in caption text
23769   }}%
23770   \hspace*{\linewidth}\hspace{1sp}%
23771 }%
23772 \unexpanded\expandafter{\xcentercr}%
23773 }%
23774 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
23775 \ifdim\@tempdima>\cap@width
23776   \aftergroup\scr@makemultilinecaption
23777 \else
23778   \aftergroup\scr@makesinglelinecaption
23779 \fi
23780 \else
23781   \aftergroup\scr@makemultilinecaption
23782 \fi
23783 \endgroup
23784 {#1}{#2}{#3}%
23785 }
23786 \renewcommand{\scr@makesinglelinecaption}[3]{%
23787   {%
23788     \usefontofkomafont{caption}{%
23789       \hb@xt@{\hspace}{%
23790         \cap@left
23791         \if@RTL
23792           \beginR
23793           \fi
23794           \scr@makesinglelinecaption{#1}{#2}{#3}%
23795           \if@RTL
23796           \endR
23797           \fi
23798           \cap@right
23799         }\par\kern\dp\strutbox%
23800       }%
23801     }\kern-\dp\strutbox
23802 }
23803 \renewcommand{\@makecaption}[2]{%
23804   \if@captionabove
23805     \vskip\belowcaptionskip
23806   \else
23807     \vskip\abovecaptionskip
23808   \fi
23809   \@makecaption\@firstofone{#1}{#2}%
23810   \if@captionabove
23811     \vskip\abovecaptionskip
23812   \else
23813     \vskip\belowcaptionskip
23814   \fi
23815 }
23816
23817 \renewcommand{\scr@makesinglelinecaption}[3]{%

```



```

23818     {\usekomafont{caption}{\strut\ignorespaces
23819       #1{\usekomafont{captionlabel}{#2\captionformat}}}%
23820       \ignorespaces #3\unskip}}%
23821 }
23822
23823 \renewcommand{\scr@makemultilinecaption}[3]{%
23824   {%
23825     \usefontofkomafont{caption}{%
23826       \hb@xt@\hsize{%
23827         \cap@left
23828         \vbox{\hsize\cap@width\linewidth\hsize
23829           \scr@ifundefinedorrelax{@capttype}{%
23830             \ClassWarning{\KOMAClassName}{%
23831               `string\caption' outside float.\MessageBreak
23832               Seems you are using `string\caption' outside a
23833               float.\MessageBreak
23834               Maybe you are using a package that uses
23835               `string\@makecaption'\MessageBreak
23836               without setting `string\@capttype' before.\MessageBreak
23837               Because I cannot detect the caption type, I'm using\MessageBreak
23838               the empty one.%
23839             }%
23840             \let\@capttype\@empty
23841           }}%
23842           \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
23843             \@nameuse{ragged\@capttype caption}%
23844           }%
23845           \ifdofullc@p
23846             \@hangfrom{%
23847               \strut
23848               \scr@smashdp{%
23849                 #1{%
23850                   \usekomafont{caption}{%
23851                     \usekomafont{captionlabel}{#2\captionformat}%
23852                   }%
23853                 }%
23854               }%
23855             }%
23856             {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23857           \else
23858             \ifdim\cap@indent<\z@
23859               \strut
23860               #1{%
23861                 {\usekomafont{caption}{%
23862                   \usekomafont{captionlabel}{#2\captionformat}%
23863                 }%
23864               }\par}%
23865             \noindent{\usekomafont{caption}{%
23866               \hspace*{-\cap@indent}#3\scr@endstrut
23867             }}\par}%
23868           \else
23869             \if@capbreak
23870               \strut
23871               #1{%

```



```

23872         {\usekomafont{caption}{%
23873          \usekomafont{captionlabel}{#2\captionformat}%
23874         }%
23875     }\par}%
23876     \noindent\@hangfrom{\hspace*{\cap@indent}}%
23877     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23878 \else
23879 \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23880 {%
23881     \hspace{-\cap@indent}%
23882     \scr@smashdp{%
23883         #1{\usekomafont{caption}{%
23884          \usekomafont{captionlabel}{#2\captionformat}%
23885         }%
23886     }%
23887     }%
23888     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23889     }%
23890     \fi
23891     \fi
23892     \fi
23893     }%
23894     \cap@right
23895     }\par\kern\dp\strutbox
23896     }%
23897     }\kern-\dp\strutbox
23898 }
23899
23900
23901 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23902 \if@komalongtable
23903 \renewcommand{\LT@makecaption}[3]{%
23904 \noalign{%
23905 \if@captionabove
23906 \vskip\belowcaptionskip
23907 \else
23908 \vskip\abovecaptionskip
23909 \fi
23910 }%
23911 \LT@mc@col\LT@cols c{%
23912 \hbox to\z@{\hss\parbox[t]{\linewidth}{%
23913 \def\@c@p@t@y@p@e{table}%
23914 \@@makecaption{#1}{#2}{#3}%
23915 \endgraf
23916 \if@captionabove
23917 \vskip\abovecaptionskip
23918 \else
23919 \vskip\belowcaptionskip
23920 \fi
23921 }%
23922 \hss
23923 }%
23924 }%
23925 }%

```




```

23926 \renewcommand*{\scr@LT@array}{}%
23927 \let\scr@LT@array=\LT@array
23928 \renewcommand*{\LT@array}{%
23929 \let\scr@caption=\LT@caption
23930 \def\captionabove{\noalign{\global\@captionabovetrue}%
23931 \scr@caption}%
23932 \def\captionbelow{\noalign{\global\@captionabovefalse}%
23933 \scr@caption}%
23934 \if@tablecaptionabove
23935 \let\LT@caption=\captionabove
23936 \else
23937 \let\LT@caption=\captionbelow
23938 \fi
23939 \scr@LT@array
23940 }%
23941 \ClassInfo{\KOMAClassName}{%
23942 longtable captions redefined%
23943 }%
23944 \fi
23945 }
23946
23947 \CloneTOCEntryStyle{tocline}{part}
23948 \TOCEntryStyleStartInitCode{part}{%
23949 \expandafter\renewcommand%
23950 \csname scr@tso@#1@linefill\endcsname{\hfill}%
23951 \expandafter\renewcommand%
23952 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23953 \expandafter\renewcommand%
23954 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23955 {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}}%
23956 \expandafter\renewcommand\expandafter*%
23957 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
23958 }
23959
23960 \CloneTOCEntryStyle{tocline}{chapter}
23961 \TOCEntryStyleStartInitCode{chapter}{%
23962 \expandafter\renewcommand%
23963 \csname scr@tso@#1@linefill\endcsname{%
23964 \if@chapterentrywithdots
23965 {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23966 \else
23967 \hfill
23968 \fi
23969 }%
23970 \expandafter\renewcommand%
23971 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
23972 \expandafter\renewcommand%
23973 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23974 {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}}%
23975 \expandafter\renewcommand\expandafter*%
23976 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
23977 }
23978
23979 \CloneTOCEntryStyle{tocline}{section}

```



```

23980 \TOCEntryStyleStartInitCode{section}{%
23981   \expandafter\renewcommand%
23982   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23983   \expandafter\renewcommand%
23984   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23985     {\normalfont\normalcolor ##1}}%
23986 }
23987
23988 \CloneTOCEntryStyle{section}{default}
23989
23990 \DeclareSectionCommand[%
23991   style=chapter,%
23992   level=\z@,%
23993   pagestyle=plain,%
23994   tocstyle=chapter,%
23995   tocindent=\z@,%
23996   tocnumwidth=1.5em%
23997 ]{chapter}
23998 \DeclareSectionCommand[%
23999   style=section,%
24000   level=1,%
24001   indent=\z@,%
24002   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
24003   afterskip=2.3ex \@plus .2ex,%
24004   tocstyle=section,%
24005   tocindentfollows=chapter,%
24006   tocindent=1.5em,%
24007   tocnumwidth=2.3em%
24008 ]{section}
24009 \DeclareSectionCommand[%
24010   style=part,%
24011   level=\m@ne,%
24012   pagestyle=plain,%
24013   tocstyle=part,%
24014   toplevel=\m@ne,%
24015   tocindent=\z@,%
24016   tocnumwidth=2em%
24017 ]{part}
24018 \DeclareSectionCommand[%
24019   style=section,%
24020   level=2,%
24021   indent=\z@,%
24022   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
24023   afterskip=1.5ex \@plus .2ex,%
24024   tocstyle=section,%
24025   tocindent=3.8em,%
24026   tocnumwidth=3.2em%
24027 ]{subsection}
24028 \DeclareSectionCommand[%
24029   style=section,%
24030   level=3,%
24031   indent=\z@,%
24032   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
24033   afterskip=1.5ex \@plus .2ex,%

```



```

24034 tocstyle=section,%
24035 tocindent=7.0em,%
24036 tocnumwidth=4.1em%
24037 ]{subsubsection}
24038 \DeclareSectionCommand[%
24039 style=section,%
24040 level=4,%
24041 indent=\z@,%
24042 beforekip=3.25ex \@plus1ex \@minus.2ex,%
24043 afterskip=-1em,%
24044 tocindentfollows=subsubsection,%
24045 tocstyle=section,%
24046 tocindent=10em,%
24047 tocnumwidth=5em%
24048 ]{paragraph}
24049 \DeclareSectionCommand[%
24050 style=section,%
24051 level=5,%
24052 indent=\scr@parindent,%
24053 beforekip=3.25ex \@plus1ex \@minus.2ex,%
24054 afterskip=-1em,%
24055 tocstyle=section,%
24056 tocindent=12em,%
24057 tocnumwidth=6em%
24058 ]{subparagraph}

```

144 File sidecap-xetex-bidi.def

```

24059 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package f
24060 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
24061 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
24062 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
24063 \renewcommand*\SC@justify@caption{\if@RTL%
24064 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\else%
24065 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\fi}

```

145 File soul-xetex-bidi.def

```

24066 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeT
24067 \long\def\S@UL@start#1{%
24068 \let\bidi@RTL@everypar\@empty
24069 \let\<\S@UL@lowerthan
24070 \let\>\empty
24071 \def\soulomit{\noexpand\soulomit}%
24072 \gdef\S@UL@eventuallyexhyphen##1{%
24073 \let\S@UL@soeventuallyskip\relax
24074 \S@UL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
24075 \@minus\fontdimen4\font
24076 \S@UL@ignorespacesfalse
24077 \leavevmode
24078 \S@UL@preamble
24079 \S@UL@lasttoken={}%
24080 \S@UL@word={}%
24081 \S@UL@minus\z@

```



```

24082 \SOUL@comma\z@
24083 \SOUL@apo\z@
24084 \SOUL@grave\z@
24085 \SOUL@do{#1}%
24086 \SOUL@postamble
24087 }}
24088 \def\SOUL@ulunderline#1{ {%
24089 \setbox\z@\hbox{#1}%
24090 \dimen@=\wd\z@
24091 \dimen@i=\SOUL@uloverlap
24092 \advance\dimen@2\dimen@i
24093 \if@RTL
24094 \unhcopy\z@
24095 \llap{ %
24096 \null
24097 \kern-\dimen@i
24098 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
24099 }%
24100 \else
24101 \rlap{ %
24102 \null
24103 \kern-\dimen@i
24104 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
24105 }%
24106 \unhcopy\z@
24107 \fi
24108 }}
24109 \def\bidi@SOUL@ulleaders{ %
24110 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\r
24111 }
24112 \def\SOUL@uleveryspace#1{ %
24113 \if@RTL
24114 #1%
24115 \bidi@SOUL@ulleaders
24116 \hskip\spaceskip
24117 \else
24118 \SOUL@ulcolor{ %
24119 #1%
24120 \SOUL@ulleaders
24121 \hskip\spaceskip
24122 }%
24123 \fi
24124 \null
24125 }

```

146 File stabular-xetex-bidi.def

```

24126 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
24127 \def\@stabular{ %
24128 \leavevmode \bgroup \if@RTLtab\beginR \fi
24129 \let\@acol\@tabacol
24130 \let\@classz\@tabclassz
24131 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
24132 \def\endstabular{\cr\egroup\if@RTLtab\egroup\endR\egroup\fi

```



```

24133             \egroup \if@RTLtab\endR\fi\egroup}
24134 \expandafter \let \csname endstabular*\endcsname = \endstabular
24135 \def\@sarray[#1]#2{%
24136   \bgroup
24137   \setbox\@arstrutbox\hbox{%
24138     \vrule \@height\arraystretch\ht\strutbox
24139           \@depth\arraystretch \dp\strutbox
24140           \@width\z@}%
24141   \@mkpream{#2}%
24142   \edef\@preamble{%
24143     \ialign \noexpand\@halignto
24144       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
24145   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24146   \let\tabularnewline\%
24147     \let\@sharp##%
24148     \set@typeset@protect
24149     \lineskip\z@skip\baselineskip\z@skip
24150   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
24151     \@preamble}

```

147 File subfigure-xetex-bidi.def

```

24152 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure packa
24153 \AtBeginDocument{%
24154 \let\p@subfigure=\thefigure
24155 \let\p@subtable=\thetable%
24156 }

```

148 File tabs-xetex-bidi.def

```

24157 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for X
24158 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
24159
24160 \expandafter\let\csname endtabular*\endcsname=\endtabular
24161
24162 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
24163   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
24164   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
24165
24166 \def\@array[#1]#2{% remember global variables to allow recursion:
24167   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
24168     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
24169   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
24170   \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
24171   \else \let\@tarlinesep\tablinesep \fi
24172   \divide\@tarlinesep\tw@ % half sep is applied to height & depth
24173   \let\@seesize\relax \let\@remesize\relax \@mkpream{#2}%
24174   \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
24175   \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
24176     \def\@remesize{\protect\@r@m@msize}\let\@seesize\@s@size
24177     \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
24178   \fi \setbox\@arstrutbox\hbox{% set up smaller strut
24179     \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
24180   \let\protect\noexpand

```



```

24181 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
24182 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
24183 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24184 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
24185 \bgroup \let\par\empty
24186 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
24187 \advance\extrarulesep.5\arrayrulewidth
24188 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
24189 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
24190 \@preamble}

```

149 File tabularx-xetex-bidi.def

```

24191 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
24192 \def\TX@endtabularx{%
24193   \expandafter\expandafter\expandafter
24194     \TX@find@endtabularxa\csname end\TX@\endcsname
24195     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
24196   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
24197   \let\verb\TX@verb
24198   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
24199   \edef\TX@ckpt{\cl@ckpt}%
24200   \let\@elt\relax
24201   \TX@old@table\maxdimen
24202   \TX@col@width\TX@target
24203   \global\TX@cols\@ne
24204   \TX@typeout@
24205     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
24206   \TX@trial{\def\NC@rewriteX{%
24207     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
24208   \loop
24209     \TX@arith
24210     \ifTX@
24211     \TX@trial{%
24212   \repeat
24213     {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
24214     \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
24215     \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
24216     \csname tabular*\expandafter\endcsname\expandafter\TX@target
24217     \the\toks@
24218     \csname endtabular*\endcsname}%
24219   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
24220   \ifnum0=\fi}%
24221   \expandafter\expandafter\expandafter
24222     \TX@find@endtabularxbb
24223   \expandafter\end\expandafter{\TX@}%
24224   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
24225 }
24226
24227 \def\TX@trial#1{%
24228   \setbox\@tempboxa\hbox{%
24229     #1\relax
24230   \let\@footnotetext\TX@trial@ftn
24231   \let\@LTRfootnotetext\TX@trial@ftn

```



```

24232 \let\@RTLfootnotetext\TX@trial@ftn
24233 \let\TX@vwarn\@empty
24234 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
24235 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
24236 \def\write{\begingroup
24237   \def\let{\afterassignment\endgroup\toks@}%
24238   \afterassignment\let\count@}%
24239 \hbadness\@M
24240 \hfuzz\maxdimen
24241 \let\hbadness\@tempcnta
24242 \let\hfuzz\@tempdima
24243 \expandafter\tabular\the\toks@
24244 \endtabular}%
24245 \TX@ckpt
24246 \TX@typeout@{\@spaces
24247   \expandafter\TX@align
24248     \the\wd\@tempboxa\space\space\space\space\space\@
24249   \expandafter\TX@align
24250     \the\TX@col@width\space\space\space\space\space\@
24251   \@spaces\the\TX@cols}}
24252
24253 \long\def\TX@LTRftntext#1{%
24254   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
24255     [\the\csname c@\@mpfn\endcsname]}%
24256   \global\TX@ftn\expandafter{\@tempa{#1}}}%
24257 \long\def\TX@xLTRftntext[#1]#2{%
24258   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
24259
24260 \long\def\TX@RTLftntext#1{%
24261   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
24262     [\the\csname c@\@mpfn\endcsname]}%
24263   \global\TX@ftn\expandafter{\@tempa{#1}}}%
24264 \long\def\TX@xRTLftntext[#1]#2{%
24265   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

150 File tabulary-xetex-bidi.def

```

24266 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
24267 \def\@testpach{\@chclass
24268   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
24269   \ifnum \@lastchclass=7 5 \else
24270   \ifnum \@lastchclass=8 \tw@ \else
24271   \ifnum \@lastchclass=9 \thr@@
24272   \else \z@
24273   \ifnum \@lastchclass = 10 \else
24274   \edef\@nextchar{\expandafter\string\@nextchar}%
24275   \@chnum
24276   \if \@nextchar c\z@ \else
24277   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
24278   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
24279   \if \@nextchar C7 \else
24280   \if \@nextchar L8 \else
24281   \if \@nextchar R9 \else
24282   \if \@nextchar J10 \else

```



```

24283 \z@ \@chclass
24284 \if\@nextchar |\@ne \else
24285 \if \@nextchar !6 \else
24286 \if \@nextchar @7 \else
24287 \if \@nextchar <8 \else
24288 \if \@nextchar >9 \else
24289 10
24290 \@chnum
24291 \if \@nextchar m\thr@@\else
24292 \if \@nextchar p4 \else
24293 \if \@nextchar b5 \else
24294 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
24295 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

151 File tc-xetex-bidi.def

```

24296 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for Xe
24297 \def\@cliptoboxdim#1{%
24298   \setbox#1=\hbox{%
24299     \Gin@defaultbp\WIDTH{\wd#1}%
24300     \Gin@defaultbp\DEPTH{\dp#1}%
24301     \@tempdima\ht#1%
24302     \advance\@tempdima\dp#1%
24303     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
24304     \beginL\special{pdf:bcontent }%
24305     \special{%
24306       pdf:literal direct
24307       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
24308     }%
24309     \special{pdf:literal direct W }%
24310     \special{pdf:literal direct n }%
24311     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
24312     \special{pdf:econtent }\endL%
24313   }%
24314 }

```

152 File tcolorbox-xetex-bidi.def

```

24315 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
24316 \let\endtcblrbox=\endminipage
24317 \let\endtcbsavebox=\endtcblrbox
24318
24319 \bidi@patchcmd{\tcb@vbox}{%
24320 \let\@footnotetext\@mpfootnotetext%
24321 }{%
24322 \let\@footnotetext\@mpfootnotetext%
24323 \let\@LTRfootnotetext\@mpLTRfootnotetext%
24324 \let\@RTLfootnotetext\@mpRTLfootnotetext%
24325 }-{}
24326
24327 \bidi@patchcmd{\endtcbsavebox}{%
24328 \footnoterule%
24329 }{%
24330 \bidi@mpfootnoterule%

```




```

24331 }{}{}
24332 \bidi@apptocmd\tcb@icolorbox{%
24333   \@bidi@list@minipage@parboxfalse
24334 }{}{}

```

153 File titlesec-xetex-bidi.def

```

24335 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
24336 \renewcommand\filright{%
24337   \gdef\ttl@filleft##1{\hskip##1}%
24338   \gdef\ttl@filright##1{\hfill}%
24339   \let\\\@centercr
24340   \advance\rightskip\z@ \@plus 1fil
24341   \parfillskip\z@}
24342 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
24343   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
24344   \setlength\leftskip{#6}%
24345   \setlength\rightskip{#7}%
24346   \interlinepenalty\@M
24347   \ttl@changecentercr
24348   \ttl@beginlongest
24349   #1{\ifhmode\ttl@hmode@error\fi
24350     \ttl@glcmds
24351     \parindent\z@
24352     \leavevmode
24353     \begingroup
24354     \ifttl@label
24355       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
24356       \ifRTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
24357       \llap{\box\z@}%
24358     \fi
24359     #4{#8}%
24360     \kern\z@\strut\@par
24361     \endgroup
24362     \nobreak\ttl@midlongest#5\@par}%
24363   \ttl@endlongest}

```

154 File titletoc-xetex-bidi.def

```

24364 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
24365 \renewcommand\filright{%
24366   \gdef\ttl@filleft##1{\hskip##1}%
24367   \gdef\ttl@filright##1{\hfill}%
24368   \let\\\@centercr
24369   \advance\rightskip\z@ \@plus 1fil
24370   \parfillskip\z@}
24371 \renewcommand\contentspush[1]{%
24372   \sbox\z@{#1}%
24373   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
24374   \aftergroup\ttl@b
24375   \leavevmode\llap{\box\z@}}
24376 \def\ttl@outnoblock#1#2#3{%
24377   \begingroup
24378   \ifnum\ttl@b>\ttl@a

```



```

24379 \nobreak
24380 \else\ifnum\ttl@b<\ttl@a
24381 \addpenalty{\@secpenalty}%
24382 \else
24383 \addpenalty{\z@}%
24384 \fi\fi
24385 \ttl@contentsstretch
24386 \nobreak
24387 \ifcase#1\relax\else\interlinepenalty\@M\fi
24388 \parindent\z@
24389 \ifx\@nil#2%
24390 \PackageError{titletoc}{Unimplemented}%
24391 {The optional argument is currently mandatory}%
24392 \else
24393 \if@RTL\setlength\rightskip{#2}\else
24394 \setlength\leftskip{#2}\fi%
24395 \fi
24396 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
24397 \let\contentsmargin\ttl@margin
24398 \def\ttl@makeline##1{##1}%
24399 #3%
24400 \addtolength{\parfillskip}{-\ttl@corr}%
24401 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
24402 \let\ttl@leaders\leaders}
24403 \renewcommand\ttl@margin[2][\z@]{%
24404 \def\ttl@corr{#1}%
24405 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
24406 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
24407 \def\@pnumwidth{#2}}
24408 \let\ttl@savel@part\l@part
24409 \def\l@part{\ttl@lselect{part}}
24410
24411 \let\ttl@savel@chapter\l@chapter
24412 \def\l@chapter{\ttl@lselect{chapter}}

```

155 File tocbibind-xetex-bidi.def

```

24413 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind packa
24414 \if@dotocbib
24415 \@ifpackageloaded{natbib}{}{% natbib not loaded
24416 \renewcommand{\bibsection}{\t@cb@bchapsec}
24417 \renewenvironment{thebibliography}[1]{%
24418 \bibsection
24419 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
24420 \renewenvironment{thebibitemlist}[1]{
24421 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
24422 \bidi@thebibliography@font@hook%
24423 \list{\@biblabel{\@arabic{c@enumiv}}%
24424 {\settowidth\labelwidth{\@biblabel{#1}}%
24425 \leftmargin\labelwidth
24426 \advance\leftmargin\labelsep
24427 \@openbib@code
24428 \usecounter{enumiv}}%
24429 \let\p@enumiv\@empty

```



```

24430         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
24431     \sloppy
24432     \clubpenalty4000
24433     \@clubpenalty \clubpenalty
24434     \widowpenalty4000%
24435     \sfcode`\.\@m}
24436     {\def\@noitemerr
24437       {\@latex@warning{Empty `thebibliography' environment}}}%
24438     \endlist}
24439
24440     \@ifpackagewith{chapterbib}{sectionbib}%
24441       {\renewcommand{\sectionbib}[2]{}}%
24442       {}
24443
24444 \fi
24445 \if@inltxdoc\else
24446   \renewenvironment{theindex}%
24447     {\if@twocolumn
24448       \@restonecolfalse
24449       \else
24450         \@restonecoltrue
24451       \fi
24452     \if@bibchapter
24453       \if@donumindex
24454         \refstepcounter{chapter}
24455         \twocolumn[\vspace*{2\topskip}%
24456           \@makechapterhead{\indexname}]]%
24457         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
24458         \chaptermark{\indexname}
24459       \else
24460         \if@dotocind
24461           \twocolumn[\vspace*{2\topskip}%
24462             \@makeschapterhead{\indexname}]]%
24463           \prw@mkboth{\indexname}
24464           \addcontentsline{toc}{chapter}{\indexname}
24465         \else
24466           \twocolumn[\vspace*{2\topskip}%
24467             \@makeschapterhead{\indexname}]]%
24468           \prw@mkboth{\indexname}
24469         \fi
24470       \fi
24471     \else
24472       \if@donumindex
24473         \twocolumn[\vspace*{-1.5\topskip}%
24474           \@nameuse{\@tocextra}{\indexname}]]%
24475         \csname \@tocextra mark\endcsname{\indexname}
24476       \else
24477         \if@dotocind
24478           \twocolumn[\vspace*{-1.5\topskip}%
24479             \toc@headstar{\@tocextra}{\indexname}]]%
24480           \prw@mkboth{\indexname}
24481           \addcontentsline{toc}{\@tocextra}{\indexname}
24482         \else
24483           \twocolumn[\vspace*{-1.5\topskip}%

```



```

24484             \toc@headstar{\@tocextra}{\indexname}}%
24485             \prw@mkboth{\indexname}
24486             \fi
24487         \fi
24488     \fi
24489 \thispagestyle{plain}\parindent\z@
24490 \parskip\z@ \@plus .3\p@\relax
24491 \let\item\@idxitem}
24492 {\if@restonecol\onecolumn\else\clearpage\fi}
24493 \fi

```

156 File tocloft-xetex-bidi.def

```

24494 \ProvidesFile{tocloft-xetex-bidi.def}[2023/08/02 v0.3 bidi adaptations for tocloft package f
24495 \renewcommand{\cftpnumalign}{\if@RTL l\else r\fi}
24496 \let\cftdot\@SepMark
24497 \if@cfthaspart
24498 \renewcommand*{\l@part}[2]{
24499   \@cftdopartfalse
24500   \ifnum \c@tocdepth >-2\relax
24501     \if@cfthaschapter
24502       \@cftdoparttrue
24503     \fi
24504     \ifnum \c@tocdepth >\m@ne
24505       \if@cfthaschapter\else
24506         \@cftdoparttrue
24507       \fi
24508     \fi
24509   \fi
24510 \if@cftdopart
24511   \if@cfthaschapter
24512     \addpenalty{-\@highpenalty}
24513   \else
24514     \addpenalty\@secpenalty
24515   \fi
24516   \addvspace{\cftbeforepartskip}
24517   \begingroup
24518   {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
24519   \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24520   \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24521   \parindent \cftpartindent\relax\@afterindenttrue
24522   \interlinepenalty\@M
24523   \leavevmode
24524   \@tempdima \cftpartnumwidth\relax
24525   \let\@cftbsnum \cftpartpresnum
24526   \let\@cftasnum \cftpartaftersnum
24527   \let\@cftasnumb \cftpartaftersnumb
24528   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
24529   {\cftpartfont \cftpartpresnum #1}
24530   \cftpartfillnum{#2}}
24531   \nobreak
24532   \if@cfthaschapter
24533     \global\@nobreaktrue
24534     \everypar{\global\@nobreakfalse\everypar{}}

```



```

24535     \else
24536     \ifcompatibility
24537         \global\@nbreaktrue
24538     \everypar{\global\@nbreakfalse\everypar{}}
24539     \fi
24540     \fi
24541 \endgroup
24542 \fi}
24543 \fi
24544 \if@cfthaschapter
24545 \renewcommand*{\l@chapter}[2]{
24546     \ifnum \c@tocdepth >\m@ne
24547         \addpenalty{-\@highpenalty}
24548         \vskip \cftbeforechapskip
24549     {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
24550     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24551     \parfillskip -\if@RTL\leftskip\else\righskip\fi
24552     \parindent \cftchapindent\relax\@afterindenttrue
24553     \interlinepenalty\@M
24554     \leavevmode
24555     \@tempdima \cftchapnumwidth\relax
24556     \let\@cftbsnum \cftchappresnum
24557     \let\@cftasnum \cftchapaftersnum
24558     \let\@cftasnumb \cftchapaftersnumb
24559     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24560     {\cftchapfont #1}\nobreak
24561     \cftchapfillnum{#2}}
24562 \fi}
24563 \fi
24564 \renewcommand*{\l@section}[2]{%
24565     \ifnum \c@tocdepth >\z@
24566         \if@cfthaschapter
24567             \vskip \cftbeforeseccskip
24568         \else
24569             \addpenalty\@secpenalty
24570             \addvspace{\cftbeforeseccskip}
24571         \fi
24572     {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
24573     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24574     \parfillskip -\if@RTL\leftskip\else\righskip\fi
24575     \parindent \cftsecindent\relax\@afterindenttrue
24576     \interlinepenalty\@M
24577     \leavevmode
24578     \@tempdima \cftsecnumwidth\relax
24579     \let\@cftbsnum \cftsecpresnum
24580     \let\@cftasnum \cftsecaftersnum
24581     \let\@cftasnumb \cftsecaftersnumb
24582     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24583     {\cftsecfont #1}\nobreak
24584     \cftsecfillnum{#2}}
24585 \fi}
24586 \renewcommand*{\l@subsection}[2]{%
24587     \ifnum \c@tocdepth >\@ne
24588         \vskip \cftbeforesubsecskip

```



```

24589   {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
24590   \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24591   \parfillskip -\if@RTL\leftskip\else\righskip\fi
24592   \parindent \cftsubsecindent\relax\@afterindenttrue
24593   \interlinepenalty\@M
24594   \leavevmode
24595   \@tempdima \cftsubsecnumwidth\relax
24596   \let\@cftbsnum \cftsubsecpresnum
24597   \let\@cftasnum \cftsubsecaftersnum
24598   \let\@cftasnumb \cftsubsecaftersnumb
24599   \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24600   {\cftsubsecfont #1}\nobreak
24601   \cftsubsecfillnum{#2}}
24602   \fi}
24603 \renewcommand*\l@subsubsection}[2]{%
24604   \ifnum \c@tocdepth >\tw@
24605     \vskip \cftbeforesubsubsecskip
24606     {\if@RTL\righskip\else\leftskip\fi \cftsubsubsecindent\relax
24607     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24608     \parfillskip -\if@RTL\leftskip\else\righskip\fi
24609     \parindent \cftsubsubsecindent\relax\@afterindenttrue
24610     \interlinepenalty\@M
24611     \leavevmode
24612     \@tempdima \cftsubsubsecnumwidth\relax
24613     \let\@cftbsnum \cftsubsubsecpresnum
24614     \let\@cftasnum \cftsubsubsecaftersnum
24615     \let\@cftasnumb \cftsubsubsecaftersnumb
24616     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24617     {\cftsubsubsecfont #1}\nobreak
24618     \cftsubsubsecfillnum{#2}}
24619   \fi}
24620 \renewcommand*\l@paragraph}[2]{%
24621   \ifnum \c@tocdepth >3\relax
24622     \vskip \cftbeforeparaskip
24623     {\if@RTL\righskip\else\leftskip\fi \cftparaindent\relax
24624     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24625     \parfillskip -\if@RTL\leftskip\else\righskip\fi
24626     \parindent \cftparaindent\relax\@afterindenttrue
24627     \interlinepenalty\@M
24628     \leavevmode
24629     \@tempdima \cftparanumwidth\relax
24630     \let\@cftbsnum \cftparapresnum
24631     \let\@cftasnum \cftparaaftersnum
24632     \let\@cftasnumb \cftparaaftersnumb
24633     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24634     {\cftparafont #1}\nobreak
24635     \cftparafillnum{#2}}
24636   \fi}
24637 \renewcommand*\l@subparagraph}[2]{%
24638   \ifnum \c@tocdepth >4\relax
24639     \vskip \cftbeforesubparaskip
24640     {\if@RTL\righskip\else\leftskip\fi \cftsubparaindent\relax
24641     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24642     \parfillskip -\if@RTL\leftskip\else\righskip\fi

```



```

24643 \parindent \cftsubparaindent\relax\@afterindenttrue
24644 \interlinepenalty\@M
24645 \leavevmode
24646 \@tempdima \cftsubparanumwidth\relax
24647 \let\@cftbsnum \cftsubparapresnum
24648 \let\@cftasnum \cftsubparaaftersnum
24649 \let\@cftasnumb \cftsubparaaftersnumb
24650 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24651 {\cftsubparafont #1}\nobreak
24652 \cftsubparafillnum{#2}}
24653 \fi}
24654 \renewcommand*\l@figure}[2]{%
24655 \ifnum \c@lofdepth >\z@
24656 \vskip \cftbeforefigskip
24657 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
24658 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24659 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24660 \parindent \cftfigindent\relax\@afterindenttrue
24661 \interlinepenalty\@M
24662 \leavevmode
24663 \@tempdima \cftfignumwidth\relax
24664 \let\@cftbsnum \cftfigpresnum
24665 \let\@cftasnum \cftfigaftersnum
24666 \let\@cftasnumb \cftfigaftersnumb
24667 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24668 {\cftfigfont #1}\nobreak
24669 \cftfigfillnum{#2}}
24670 \fi
24671 }
24672 \renewcommand*\l@table}[2]{%
24673 \ifnum \c@lotdepth >\z@
24674 \vskip \cftbeforetabskip
24675 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
24676 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24677 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24678 \parindent \cfttabindent\relax\@afterindenttrue
24679 \interlinepenalty\@M
24680 \leavevmode
24681 \@tempdima \cfttabnumwidth\relax
24682 \let\@cftbsnum \cfttabpresnum
24683 \let\@cftasnum \cfttabaftersnum
24684 \let\@cftasnumb \cfttabaftersnumb
24685 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24686 {\cfttabfont #1}\nobreak
24687 \cfttabfillnum{#2}}
24688 \fi
24689 }
24690 \renewcommand*\cftl@subfig}{
24691 \renewcommand*\l@subfigure}[2]{%
24692 \ifnum \c@lofdepth > \toclevel@subfigure
24693 \vskip \cftbeforesubfigskip
24694 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
24695 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24696 \parfillskip -\if@RTL\leftskip\else\rightskip\fi

```



```

24697 \parindent \cftsubfigindent\relax\@afterindenttrue
24698 \interlinepenalty\@M
24699 \leavevmode
24700 \@tempdima \cftsubfignumwidth\relax
24701 \let\@cftbsnum \cftsubfigpresnum
24702 \let\@cftasnum \cftsubfigaftersnum
24703 \let\@cftasnumb \cftsubfigaftersnumb
24704 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24705 {\cftsubfigfont ##1}\nobreak
24706 \cftsubfigfillnum{##2}}
24707 \fi
24708 }
24709 }
24710 \renewcommand{\@cftl@subtab}{
24711 \renewcommand*\@l@subtable}[2]{%
24712 \ifnum \c@lotdepth > \toclevel@subtable
24713 \vskip \cftbeforesubtabskip
24714 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
24715 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24716 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24717 \parindent \cftsubtabindent\relax\@afterindenttrue
24718 \interlinepenalty\@M
24719 \leavevmode
24720 \@tempdima \cftsubtabnumwidth\relax
24721 \let\@cftbsnum \cftsubtabpresnum
24722 \let\@cftasnum \cftsubtabaftersnum
24723 \let\@cftasnumb \cftsubtabaftersnumb
24724 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24725 {\cftsubtabfont ##1}\nobreak
24726 \cftsubtabfillnum{##2}}
24727 \fi
24728 }
24729 }
24730 \renewcommand{\newlistentry}[4][\@empty]{%
24731 \ifundefined{c@#2}{% check & set the counter
24732 \ifx \@empty#1\relax
24733 \newcounter{#2}
24734 \else
24735 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
24736 {#1 has no counter for use as a `within'}
24737 \newcounter{#2}}%
24738 {\newcounter{#2}[#1}%
24739 \expandafter\edef\csname the#2\endcsname{%
24740 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}}
24741 \fi
24742 \setcounter{#2}{0}
24743 }
24744 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
24745
24746 \@namedef{1@#2}##1##2{%
24747 \ifnum \@nameuse{c@#3depth} > #4\relax
24748 \vskip \@nameuse{cftbefore#2skip}
24749 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
24750 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg

```




```

24751     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24752     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
24753     \interlinepenalty\@M
24754     \leavevmode
24755     \@tempdima \@nameuse{cft#2numwidth}\relax
24756     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
24757     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
24758     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
24759     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\right
24760     {\@nameuse{cft#2font}##1}\nobreak
24761     \@nameuse{cft#2fillnum}{##2}}
24762   \fi
24763 } % end of \l@#2
24764
24765 \expandafter\newlength\csname cftbefore#2skip\endcsname
24766   \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
24767 \expandafter\newlength\csname cft#2indent\endcsname
24768 \expandafter\newlength\csname cft#2numwidth\endcsname
24769 \ifcase #4\relax % 0
24770   \setlength{\@nameuse{cft#2indent}}{0em}
24771   \setlength{\@nameuse{cft#2numwidth}}{1.5em}
24772 \or % 1
24773   \setlength{\@nameuse{cft#2indent}}{1.5em}
24774   \setlength{\@nameuse{cft#2numwidth}}{2.3em}
24775 \or % 2
24776   \setlength{\@nameuse{cft#2indent}}{3.8em}
24777   \setlength{\@nameuse{cft#2numwidth}}{3.2em}
24778 \or % 3
24779   \setlength{\@nameuse{cft#2indent}}{7.0em}
24780   \setlength{\@nameuse{cft#2numwidth}}{4.1em}
24781 \else % anything else
24782   \setlength{\@nameuse{cft#2indent}}{10.0em}
24783   \setlength{\@nameuse{cft#2numwidth}}{5.0em}
24784 \fi
24785 \@namedef{cft#2font}{\normalfont}
24786 \@namedef{cft#2presnum}{ }
24787 \@namedef{cft#2aftersnum}{ }
24788 \@namedef{cft#2aftersnumb}{ }
24789 \@namedef{cft#2dotsep}{\cftdotsep}
24790 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
24791 \@namedef{cft#2pagefont}{\normalfont}
24792 \@namedef{cft#2afterpnum}{ }
24793 \@namedef{toclevel@#2}{#4}
24794 \@namedef{cft#2fillnum}##1{%
24795   {\@nameuse{cft#2leader}}\nobreak
24796   \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
24797 } % end \newlistentry
24798 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
24799   {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
24800   \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
24801   \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
24802   \textit{#1}\protect\par}}}

```



157 File tocbasic-xetex-bidi.def

```
24803 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/06/15 v0.5 bidi adaptations for tocbasic package]
24804 \bidi@undef\scr@dte@def@l@undottedtocline
24805 \bidi@undef\scr@dte@undottedtocline@init
24806 \DeclareTOCEntryStyle{undottedtocline}{%
24807   \DefineTOCEntryLengthOption{indent}%
24808     {scr@tso@}{@indent}{entry indent}%
24809   \DefineTOCEntryLengthOption{numwidth}%
24810     {scr@tso@}{@numwidth}{entry number width}%
24811   \@ifundefined{#1tocdepth}{%
24812     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24813       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24814         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24815           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24816             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24817               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24818                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24819                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24820                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24821                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
24822                         \csname #1numdepth\endcsname
24823                       }%
24824                     }%
24825                   }%
24826                 }%
24827               }%
24828             }%
24829           }%
24830         }%
24831       }%
24832     }{%
24833   \@ifundefined{scr@tso@#1@indent}{%
24834     \@ifundefined{scr@#1@tocindent}{%
24835       \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24836         \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24837           \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24838             \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24839               \scr@ifundefinedorrelax{l@chapter}{%
24840                 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
24841                   \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24842                     \Ifstr{#1}{subsubsection}{%
24843                       \@namedef{scr@tso@#1@indent}{3.8em}%
24844                     }{%
24845                       \Ifstr{#1}{paragraph}{%
24846                         \@namedef{scr@tso@#1@indent}{7em}%
24847                       }{%
24848                         \Ifstr{#1}{subparagraph}{%
24849                           \@namedef{scr@tso@#1@indent}{10em}%
24850                         }{%
24851                           }%
24852                         }%
24853                       }%
24854                     }%
24855                   }%
24856                 }%
24857               }%
24858             }%
24859           }%
24860         }%
24861       }%
24862     }%
24863   }%
24864 }
```



```

24855     }%
24856   }{%
24857     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24858       \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
24859         \Ifstr{#1}{subsubsection}{%
24860           \@namedef{scr@tso@#1@indent}{7.0em}%
24861         }{%
24862           \Ifstr{#1}{paragraph}{%
24863             \@namedef{scr@tso@#1@indent}{10em}%
24864           }{%
24865             \Ifstr{#1}{subparagraph}{%
24866               \@namedef{scr@tso@#1@indent}{12em}%
24867             }{%
24868               }%
24869             }%
24870           }%
24871         }%
24872       }%
24873     }%
24874   }%
24875 }%
24876 }%
24877 }%
24878 }{%
24879   \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24880 }%
24881 }-}%
24882 \@ifundefined{scr@tso@#1@numwidth}{%
24883   \@ifundefined{scr@#1@tocnumwidth}{%
24884     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24885     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24886     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24887     \scr@ifundefinedorrelax{chapter}{%
24888       \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24889       \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24890       \Ifstr{#1}{subsubsection}{%
24891         \@namedef{scr@tso@#1@numwidth}{3.2em}%
24892       }{%
24893         \Ifstr{#1}{paragraph}{%
24894           \@namedef{scr@tso@#1@numwidth}{4.1em}%
24895         }{%
24896           \Ifstr{#1}{subparagraph}{%
24897             \@namedef{scr@tso@#1@numwidth}{5m}%
24898           }{%
24899             }%
24900           }%
24901         }%
24902       }%
24903     }%
24904   }{%
24905     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24906     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
24907     \Ifstr{#1}{subsubsection}{%
24908       \@namedef{scr@tso@#1@numwidth}{3.1em}%

```



```

24909         }{%
24910         \Ifstr{#1}{paragraph}{%
24911         \@namedef{scr@tso@#1@numwidth}{5em}%
24912         }{%
24913         \Ifstr{#1}{subparagraph}{%
24914         \@namedef{scr@tso@#1@numwidth}{6em}%
24915         }{%
24916         }%
24917         }%
24918         }%
24919         }%
24920         }%
24921         }%
24922         }%
24923         }%
24924         }%
24925     }{%
24926     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
24927     }%
24928 }{}%
24929 }]{%
24930 \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth}-\@ne\relax
24931 \ifnum \@nameuse{#1tocdepth}<\@ne
24932 \scr@ifundefinedorrelax{chapter}{%
24933 \addpenalty\@secpenalty
24934 \addvspace{1.0em \@plus\p@}%
24935 }{%
24936 \addpenalty{-\@highpenalty}%
24937 \vskip 1.0em \@plus\p@
24938 }%
24939 \else
24940 \addpenalty\@secpenalty
24941 \addvspace{1.0em \@plus\p@}%
24942 \fi
24943 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
24944 \begingroup
24945 \parindent \z@ \bidi@rightskip \@pnumwidth
24946 \parfillskip -\@pnumwidth
24947 \leavevmode
24948 \bfseries
24949 \advance\bidi@leftskip\@tempdima
24950 \Iftocfeature{\@currentt}{noindent}{%
24951 \hskip -\bidi@leftskip
24952 }{%
24953 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
24954 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
24955 }%
24956 ##1%
24957 \nobreak
24958 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
24959 \par
24960 \penalty\@highpenalty
24961 \endgroup
24962 \fi

```



```

24963 }
24964
24965 \bidi@undef\scr@dte@def@l@targetocline
24966 \bidi@undef\scr@dte@largetocline@init
24967 \DeclareTOCEntryStyle{largetocline}[{%
24968   \DefineTOCEntryLengthOption{indent}%
24969   {scr@tso@}{@indent}{entry indent}%
24970   \@ifundefined{#1tocdepth}{%
24971     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24972     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24973     \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24974     \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24975     \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24976     \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24977     \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24978     \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24979     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24980     \expandafter\let\csname #1tocdepth\expandafter\endcsname
24981     \csname #1numdepth\endcsname
24982     }%
24983     }%
24984     }%
24985     }%
24986     }%
24987     }%
24988     }%
24989     }%
24990     }%
24991   }{%
24992   \@ifundefined{scr@tso@#1@indent}{%
24993     \@ifundefined{scr@#1@tocindent}{%
24994       \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24995       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24996       \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24997       \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24998       \scr@ifundefinedorrelax{l@chapter}{%
24999         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
25000         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25001         \Ifstr{#1}{subsubsection}{%
25002           \@namedef{scr@tso@#1@indent}{3.8em}%
25003         }{%
25004           \Ifstr{#1}{paragraph}{%
25005             \@namedef{scr@tso@#1@indent}{7em}%
25006           }{%
25007             \Ifstr{#1}{subparagraph}{%
25008               \@namedef{scr@tso@#1@indent}{10em}%
25009             }{%
25010             }%
25011           }%
25012         }%
25013       }%
25014     }%
25015   }{%
25016     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%

```



```

25017         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
25018         \Ifstr{#1}{subsubsection}{%
25019         \@namedef{scr@tso@#1@indent}{7.0em}%
25020         }{%
25021         \Ifstr{#1}{paragraph}{%
25022         \@namedef{scr@tso@#1@indent}{10em}%
25023         }{%
25024         \Ifstr{#1}{subparagraph}{%
25025         \@namedef{scr@tso@#1@indent}{12em}%
25026         }{%
25027         }%
25028         }%
25029         }%
25030         }%
25031         }%
25032         }%
25033         }%
25034         }%
25035         }%
25036         }%
25037     }{%
25038     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
25039     }%
25040 }{%
25041 }]{%
25042 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
25043 \ifnum \@nameuse{#1tocdepth}<\@ne
25044 \scr@ifundefinedorrelax{chapter}{%
25045 \addpenalty\@secpenalty
25046 \addvspace{2.25em \@plus\p@}%
25047 }{%
25048 \addpenalty{-\@highpenalty}%
25049 \addvspace{2.25em \@plus\p@}%
25050 }%
25051 \else
25052 \addpenalty\@secpenalty
25053 \addvspace{2.25em \@plus\p@}%
25054 \fi
25055 \setlength\@tempdima{3em}%
25056 \begingroup
25057 \parindent \z@ \bidi@rightskip \@pnumwidth
25058 \parfillskip -\@pnumwidth
25059 \leavevmode
25060 \large
25061 \bfseries
25062 \Iftocfeature{\@currentt}{noindent}{%
25063 }{%
25064 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
25065 }%
25066 ##1%
25067 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
25068 \par
25069 \nobreak
25070 \ifnum 0=

```



```

25071     \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
25072     \global\@nobreaktrue
25073     \everypar{\global\@nobreakfalse\everypar{}}%
25074     \fi
25075   \endgroup
25076 \fi
25077 }
25078
25079 \renewcommand*{\scr@dte@tocline}[3]{%
25080   \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
25081   \else
25082     \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
25083     \addvspace{\@nameuse{scr@tso@#1beforekip}}\relax
25084     \@nameuse{Ifscr@tso@#1dynindent}{%
25085       \expandafter\ifx\c@name scr@tso@#1@indentfollows\endcsname\@empty
25086       \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
25087     \else
25088       \edef\reserved@a{\@nameuse{scr@tso@#1indentfollows}}%
25089       \@for \reserved@a:=\reserved@a\do {%
25090         \scr@trim@spaces\reserved@a
25091         \ifx\reserved@a\@empty\else
25092           \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
25093             }{%
25094               \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
25095                 \@tempdima\@nameuse{scr@tso@\reserved@a @indent}\relax
25096                 \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
25097                   \scr@ifundefinedorrelax
25098                     {scr@dte@\reserved@a @lastmaxnumwidth}{%
25099                     \advance\@tempdima
25100                     \@nameuse{scr@tso@\reserved@a @numwidth}\relax
25101                   }{%
25102                     \advance\@tempdima
25103                     \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
25104                   }%
25105                 }{%
25106                   \advance\@tempdima
25107                   \@nameuse{scr@tso@\reserved@a @numwidth}\relax
25108                 }%
25109                 \ifdim \@tempdima>\@nameuse{scr@tso@#1@indent}\relax
25110                 \expandafter\edef\c@name scr@tso@#1@indent\endcsname
25111                 {\the\@tempdima}%
25112               \fi
25113             \fi
25114           }%
25115         \fi
25116       }%
25117     \fi
25118   }{}%
25119   {%
25120     \Iftocfeature{\@current}{noindent}{%
25121       \bidi@leftskip \z@
25122     }{%
25123       \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
25124     }%

```



```

25125 \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
25126 \parfillskip -\bidi@rightskip
25127 \@nameuse{Ifscr@tso@#1@raggedpage}{%
25128 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
25129 }{}%
25130 \iftocfeature{\@currentt}{noindent}{%
25131 \parindent \z@
25132 }{}%
25133 \parindent \@nameuse{scr@tso@#1@indent}\relax
25134 }%
25135 \@afterindenttrue
25136 \interlinepenalty\M
25137 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
25138 \addtolength\bidi@rightskip\@flushglue
25139 \else
25140 \def\reserved@a{\raggedright}%
25141 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
25142 \addtolength\bidi@rightskip\@flushglue
25143 \else
25144 \renewcommand\reserved@a{\raggedright}%
25145 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
25146 \addtolength\bidi@rightskip\@flushglue
25147 \fi
25148 \fi
25149 \fi
25150 \leavevmode
25151 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
25152 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
25153 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
25154 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
25155 \tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
25156 \fi
25157 }%
25158 }{}%
25159 \advance\bidi@leftskip \@tempdima
25160 \null\nobreak\hskip -\bidi@leftskip
25161 {%
25162 \usetocbasicnumberline
25163 \let\scr@dte@numberline@box\numberline@box
25164 \def\numberline@box##1{%
25165 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
25166 \global\scr@dte@tocline@numberwidth
25167 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
25168 \relax
25169 \ifdim \scr@dte@tocline@numberwidth
25170 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
25171 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
25172 \fi
25173 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
25174 \ifdim \scr@dte@tocline@numberwidth
25175 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
25176 +\@nameuse{scr@tso@#1@numsep}\relax\relax
25177 \PackageWarning{tocbasic}{%
25178 number width of #1 toc entries should be

```




```

25179         increased!\MessageBreak
25180         Currently used number width =
25181         \the\wd\scr@dte@tocline@numbox,\MessageBreak
25182         Wanted number separation
25183         \space\space\space =
25184         \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
25185         Reserved number width \space\space\space\space\space\space =
25186         \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
25187     }%
25188     \fi
25189 }%
25190 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
25191 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
25192     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
25193 }{%
25194 }%
25195 {\@nameuse{scr@tso@#1@entryformat}{%
25196     #2%
25197     \nobreak
25198     {%
25199         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
25200     \nobreak
25201     \expandafter\let\expandafter\scr@dte@pagenumberwidth
25202     \csname scr@tso@#1@pagenumberwidth\endcsname
25203     \@nameuse{scr@tso@#1@pagenumberbox}{%
25204         \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
25205     }%
25206     }%
25207 }}\@par
25208 }%
25209 }%
25210 \tocbasic@SetPenaltyByTOCLevel{#1}%
25211 \fi
25212 }
25213
25214
25215 \bidi@undef\scr@dte@def@1@tocline
25216 \bidi@undef\scr@dte@tocline@init
25217 \DeclareTOCEntryStyle{tocline}[{%
25218     \DefineTOCEntryLengthOption{beforeskip}%
25219     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
25220     \DefineTOCEntryIfOption{breakafternumber}%
25221     {scr@tso@}{@breakafternumber}{line break after number flag}%
25222     \DefineTOCEntryIfOption{dynnumwidth}%
25223     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
25224     \DefineTOCEntryListOption{indentfollows}%
25225     {scr@tso@}{@indentfollows}{list of levels that define the indent}%
25226     \DefineTOCEntryIfOption{dynindent}%
25227     {scr@tso@}{@dynindent}{dynamic indent width flag}%
25228     \DefineTOCEntryCommandOption{entryformat}%
25229     {scr@tso@}{@entryformat}[1]{entry format}%
25230     \DefineTOCEntryCommandOption{entrynumberformat}%
25231     {scr@tso@}{@numberformat}[1]{entry number format}%
25232     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%

```



```

25233 {scr@tso@}{@linefill}{filling between text and page number}%
25234 \DefineTOCEntryLengthOption{numsep}%
25235 {scr@tso@}{@numsep}{entry number separation}%
25236 \DefineTOCEntryCommandOption{onstarthigherlevel}%
25237 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
25238 \DefineTOCEntryCommandOption{onstartlowerlevel}%
25239 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
25240 \DefineTOCEntryCommandOption{onstartsamelevel}%
25241 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
25242 \DefineTOCEntryCommandOption{pagenumberbox}%
25243 {scr@tso@}{@pagenumberbox}[1]{page number box}%
25244 \DefineTOCEntryCommandOption{pagenumberformat}%
25245 {scr@tso@}{@pagenumberformat}[1]{page number format}%
25246 \DefineTOCEntryLengthOption{pagenumberwidth}%
25247 {scr@tso@}{@pagenumberwidth}{width of page number box}%
25248 \DefineTOCEntryLengthOption{rightindent}%
25249 {scr@tso@}{@rightindent}{entry's text right indent}%
25250 \DefineTOCEntryOption{raggedentrytext}[true]{%
25251 \FamilySetBool{KOMAarg}{raggedentrytext}{@tempswa}{##1}%
25252 \ifx\FamilyKeyState\FamilyKeyStateProcessed
25253 \if@tempswa
25254 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25255 \raggedright
25256 \else
25257 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25258 \relax
25259 \fi
25260 \fi
25261 }%
25262 \DefineTOCEntryIfOption{raggedpagenumber}%
25263 {scr@tso@}{@raggedpage}{page number ragged flag}%
25264 \DefineTOCEntryLengthOption{indent}%
25265 {scr@tso@}{@indent}{entry indent}%
25266 \DefineTOCEntryLengthOption{numwidth}%
25267 {scr@tso@}{@numwidth}{entry number width}%
25268 \scr@ifundefinedorrelax{#1tocdepth}{%
25269 \Ifstrstart{#1}{sub}{%
25270 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{}%
25271 \expandafter\edef\csname #1tocdepth\endcsname{%
25272 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
25273 }%
25274 }%
25275 }{}%
25276 }{}%
25277 \@ifundefined{#1tocdepth}{%
25278 \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
25279 \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
25280 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
25281 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
25282 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
25283 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
25284 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
25285 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
25286 \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%

```



```

25287             \expandafter\let\csname #1tocdepth\expandafter\endcsname
25288             \csname #1numdepth\endcsname
25289             }%
25290         }%
25291     }%
25292 }%
25293 }%
25294 }%
25295 }%
25296 }%
25297 }%
25298 }{}%
25299 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
25300     \@ifundefined{scr@#1@tocindent}{%
25301         \Ifstrstart{#1}{sub}{%
25302             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
25303                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
25304                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25305                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
25306                     \relax
25307                 }%
25308             }%
25309         }{}%
25310         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
25311             \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25312                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
25313             \relax
25314         }%
25315     }{}%
25316     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25317         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
25318         +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
25319     \relax
25320 }%
25321 }%
25322 }%
25323 }{}%
25324 }{}%
25325     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
25326 }%
25327 }{}%
25328 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
25329     \Ifstrstart{#1}{sub}{%
25330         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%
25331             \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}}%
25332         }{}%
25333         \expandafter\let
25334         \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
25335         \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
25336     }%
25337 }{}%
25338     \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}}%
25339 }%
25340 }{}%

```



```

25341 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
25342   \Ifstrstart{#1}{sub}{%
25343     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
25344       \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25345     }{%
25346       \expandafter\let
25347       \csname scr@tso@#1@rightindent\expandafter\endcsname
25348       \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
25349     }%
25350   }{%
25351     \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25352   }%
25353 }{%
25354 \@ifundefined{scr@tso@#1@indent}{%
25355   \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25356   \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25357   \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
25358   \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
25359     \scr@ifundefinedorrelax{l@chapter}{%
25360       \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
25361       \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25362       \Ifstr{#1}{subsubsection}{%
25363         \@namedef{scr@tso@#1@indent}{3.8em}%
25364       }{%
25365         \Ifstr{#1}{paragraph}{%
25366           \@namedef{scr@tso@#1@indent}{7em}%
25367         }{%
25368           \Ifstr{#1}{subparagraph}{%
25369             \@namedef{scr@tso@#1@indent}{10em}%
25370           }{%
25371             }%
25372           }%
25373         }%
25374       }%
25375     }%
25376   }{%
25377     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25378     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
25379     \Ifstr{#1}{subsubsection}{%
25380       \@namedef{scr@tso@#1@indent}{7.0em}%
25381     }{%
25382       \Ifstr{#1}{paragraph}{%
25383         \@namedef{scr@tso@#1@indent}{10em}%
25384       }{%
25385         \Ifstr{#1}{subparagraph}{%
25386           \@namedef{scr@tso@#1@indent}{12em}%
25387         }{%
25388           }%
25389         }%
25390       }%
25391     }%
25392   }%
25393 }%
25394 }%

```



```

25395     }%
25396   }%
25397 }%
25398 }-}%
25399 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
25400   \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
25401     \Ifstrstart{#1}{sub}{%
25402       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
25403         \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
25404           \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25405             +.9em%
25406         }%
25407       \relax
25408     }%
25409   }-}%
25410 }{%
25411   \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
25412 }%
25413 }-}%
25414 \@ifundefined{scr@tso@#1@numwidth}{%
25415   \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25416   \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25417   \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25418   \scr@ifundefinedorrelax{chapter}{%
25419     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25420     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25421     \Ifstr{#1}{subsubsection}{%
25422       \@namedef{scr@tso@#1@numwidth}{3.2em}%
25423     }{%
25424       \Ifstr{#1}{paragraph}{%
25425         \@namedef{scr@tso@#1@numwidth}{4.1em}%
25426       }{%
25427         \Ifstr{#1}{subparagraph}{%
25428           \@namedef{scr@tso@#1@numwidth}{5m}%
25429         }{%
25430         }%
25431       }%
25432     }%
25433   }%
25434 }%
25435 }-}%
25436 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25437 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
25438 \Ifstr{#1}{subsubsection}{%
25439   \@namedef{scr@tso@#1@numwidth}{3.1em}%
25440 }{%
25441   \Ifstr{#1}{paragraph}{%
25442     \@namedef{scr@tso@#1@numwidth}{5em}%
25443   }{%
25444     \Ifstr{#1}{subparagraph}{%
25445       \@namedef{scr@tso@#1@numwidth}{6em}%
25446     }{%
25447     }%
25448   }%

```



```

25449         }%
25450     }%
25451     }%
25452     }%
25453     }%
25454     }%
25455     }%
25456 }-%
25457 \expandafter\renewcommand%
25458 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
25459 \expandafter\renewcommand%
25460 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
25461 \expandafter\renewcommand%
25462 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
25463 \@ifundefined{scr@tso@#1@beforeskip}{%
25464     \Ifstr{#1}{part}{%
25465         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@relax}%
25466     }{%
25467         \Ifstr{#1}{chapter}{%
25468             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@relax}%
25469         }{%
25470             \Ifstr{#1}{section}{%
25471                 \scr@ifundefinedorrelax{1@chapter}{%
25472                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@relax}%
25473                 }{}%
25474             }{}%
25475         }%
25476     }%
25477     \expandafter\renewcommand\expandafter*%
25478     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@relax}%
25479 }-%
25480 \@ifundefined{scr@dte@#1@maxnumwidth}{%
25481     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
25482     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
25483 }-%
25484 \renewcommand*{\scr@dte@donumwidth}{%
25485     \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
25486 \expandafter\renewcommand\expandafter*%
25487 \csname scr@tso@#1@numsep\endcsname{.4em}%
25488 \expandafter\renewcommand%
25489 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
25490 \Ifstr{#1}{part}{%
25491     \expandafter\providecommand%
25492     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
25493 }{%
25494     \Ifstr{#1}{chapter}{%
25495         \expandafter\providecommand%
25496         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25497     }{%
25498         \scr@ifundefinedorrelax{1@chapter}{%
25499             \Ifstr{#1}{section}{%
25500                 \expandafter\providecommand%
25501                 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25502             }{}%

```



```

25503     }{}%
25504     \expandafter\providecommand%
25505     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
25506     }%
25507 }%
25508 \expandafter\renewcommand
25509 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
25510 \@ifundefined{scr@tso@#1@linefill}{%
25511   \Ifstr{#1}{part}{%
25512     \@namedef{scr@tso@#1@linefill}{\hfill}%
25513   }{%
25514     \Ifstr{#1}{chapter}{%
25515       \@namedef{scr@tso@#1@linefill}{\hfill}%
25516     }{%
25517       \scr@ifundefinedorrelax{1@chapter}{%
25518         \Ifstr{#1}{section}{%
25519           \@namedef{scr@tso@#1@linefill}{\hfill}%
25520         }{}%
25521       }{}%
25522     }%
25523     \expandafter\renewcommand%
25524     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
25525   }%
25526 }{}%
25527 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
25528 \Ifstr{#1}{part}{%
25529   \expandafter\providecommand%
25530   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
25531 }{%
25532   \Ifstr{#1}{chapter}{%
25533     \expandafter\providecommand%
25534     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
25535   }{%
25536     \scr@ifundefinedorrelax{1@chapter}{%
25537       \Ifstr{#1}{section}{%
25538         \expandafter\providecommand%
25539         \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
25540       }{}%
25541     }{}%
25542     \expandafter\providecommand%
25543     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
25544       {\normalfont\normalcolor ##1}}%
25545   }%
25546 }%
25547 \expandafter\renewcommand%
25548 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
25549   \hb@xt@\@nameuse{scr@dte@pagenumberwidth}{\hfil ##1}}%
25550 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
25551 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
25552 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
25553   \Ifstrstart{#1}{sub}{%
25554     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
25555       \scr@dte@nosub{#1}%
25556     }%

```



```

25557   }{%
25558   \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\@empty
25559   }%
25560   }{}%
25561   }]{%
25562   \scr@dte@tocline{#1}{##1}{##2}%
25563   }
25564
25565   \if@bidi@csdef{scr@tso@figure@pagenumberformat}{%
25566   \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
25567     {\normalfont\normalcolor #1}%
25568   }%
25569   }{}
25570
25571   \if@bidi@csdef{scr@tso@table@pagenumberformat}{%
25572   \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
25573     {\normalfont\normalcolor #1}%
25574   }%
25575   }{}
25576

```

158 File tocstyle-xetex-bidi.def

```

25577 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
25578 \renewcommand*{\tocstyle@dottedtocline}[5]{%
25579   \let\numberline\tocstyle@numberline
25580   \ifnum #1>\c@tocdepth \else
25581     \if@tocstyle@penalties
25582       \begingroup
25583         \@tempcnta 20010
25584         \advance \@tempcnta by -#1
25585         \ifnum \@tempcnta>\lastpenalty
25586           \aftergroup\penalty\aftergroup\@lowpenalty
25587         \fi
25588       \endgroup
25589     \fi
25590     \edef\tocstyledepth{#1}%
25591     \tocstyle@activate@features
25592     \ifx\tocstyle@feature@entryvskip\relax
25593       \vskip \z@ \@plus.2\p@
25594     \else
25595       \addvspace{\tocstyle@feature@entryvskip}%
25596     \fi
25597     {%
25598       \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
25599       \tocstyle@feature@raggedhook
25600       \@tempdima #3\relax
25601       \@tempdimb #2\relax
25602       \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25603       \ifnum #1>\z@\relax
25604         \@tempcnta #1\relax \advance\@tempcnta \m@ne
25605         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25606           \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25607             \@tempdimb

```




```

25608         \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25609         \advance\@tempdimb
25610         \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25611         \fi
25612     \fi
25613 \fi
25614 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25615 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
25616     \ifdim \@tempdimb>
25617         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
25618         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25619             @#1\endcsname{\the\@tempdimb}%
25620     \fi
25621 \else
25622     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25623         @#1\endcsname{\the\@tempdimb}%
25624 \fi
25625 \iftocstyle@autolength
25626     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25627         \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25628         \relax
25629     \fi
25630     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25631         \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25632         \relax
25633     \fi
25634     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25635     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25636 \else
25637     \@tempdimb #2\relax
25638     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25639 \fi
25640 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
25641     \ifdim \@tempdima>
25642         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
25643         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25644             @\endcsname{\the\@tempdima}%
25645     \fi
25646 \else
25647     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25648         @\endcsname{\the\@tempdima}%
25649 \fi
25650 \ifcase\tocstyle@indentstyle\relax\else
25651     \@tempdimb \z@
25652     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25653         \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25654         \relax
25655     \fi
25656     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25657     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25658 \fi
25659 \advance\parindent \@tempdimb\@afterindenttrue
25660 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
25661 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg

```



```

25662 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
25663 \ifx\tocstyle@feature@parfillskip\relax\else
25664 \advance\parfillskip \tocstyle@feature@parfillskip\relax
25665 \fi
25666 \interlinepenalty\@M
25667 \leavevmode
25668 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
25669 \null\nobreak
25670 \iftocstyle@indentnotnumbered\else
25671 \hskip -\if@RTL\rightskip\else\leftskip\fi
25672 \fi
25673 \tocstyle@feature@entryhook
25674 {#4}\nobreak
25675 \ifx\tocstyle@feature@leaders\relax
25676 \leaders\hbox{${\m@th
25677 \mkern \dotsep mu\hbox{\tocstyle@feature@dothook .}}%
25678 \mkern \dotsep mu$}\hfill
25679 \else
25680 \tocstyle@feature@leaders
25681 \fi
25682 \nobreak
25683 \ifx\tocstyle@feature@pagenumberbox\relax
25684 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
25685 \else
25686 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
25687 \fi
25688 \par
25689 }%
25690 \if@tocstyle@penalties
25691 \bgroup
25692 \@tempcnta 20009
25693 \advance\@tempcnta by -#1
25694 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
25695 \reserved@a
25696 \fi
25697 \fi}
25698 \renewcommand*{\tocstyle@numberline}[1]{%
25699 \beginingroup
25700 \ifx\tocstyle@feature@spaceafternumber\relax
25701 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
25702 \else
25703 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
25704 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
25705 \fi
25706 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
25707 \ifdim \@tempdima >
25708 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
25709 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25710 @\tocstyledepth\endcsname{\the\@tempdima}%
25711 \fi
25712 \else
25713 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25714 @\tocstyledepth\endcsname{\the\@tempdima}%
25715 \fi

```



```

25716 \endgroup
25717 \iftocstyle@indentnotnumbered
25718   \hskip -\if@RTL\rightskip\else\leftskip\fi
25719 \fi
25720 \ifcase \tocstyle@indentstyle
25721   \hb@xt@{\tempdima{\tocstyle@@numberline{#1}\hfil}}%
25722 \or
25723   \hb@xt@{\tempdima{\tocstyle@@numberline{#1}\hfil}}%
25724 \else
25725   \ifx\tocstyle@feature@spaceafternumber\relax
25726     \hbox{\tocstyle@@numberline{#1}\enskip}%
25727   \else
25728     \hbox{\tocstyle@@numberline{#1}\hskip
25729       \tocstyle@feature@spaceafternumber\relax}%
25730   \fi
25731 \fi
25732 }
25733 \AtBeginDocument{%
25734   \ifcsname l@part\endcsname
25735     \ifcsname l@chapter\endcsname
25736       \setbox\@tempboxa\vbox{\hsize\maxdimen
25737         \l@part{\tocstyle@l@define{part}{-1}}{}}%
25738     \else
25739       \setbox\@tempboxa\vbox{\hsize\maxdimen
25740         \l@part{\tocstyle@l@define{part}{0}}{}}%
25741     \fi
25742 \fi
25743 \ifcsname l@chapter\endcsname
25744   \setbox\@tempboxa\vbox{\hsize\maxdimen
25745     \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
25746 \fi
25747 \ifcsname l@section\endcsname
25748   \setbox\@tempboxa\vbox{\hsize\maxdimen
25749     \l@section{\tocstyle@l@define{section}{1}}{}}%
25750 \fi
25751 \ifcsname l@subsection\endcsname
25752   \setbox\@tempboxa\vbox{\hsize\maxdimen
25753     \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
25754 \fi
25755 \ifcsname l@subsubsection\endcsname
25756   \setbox\@tempboxa\vbox{\hsize\maxdimen
25757     \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
25758 \fi
25759 \ifcsname l@paragraph\endcsname
25760   \setbox\@tempboxa\vbox{\hsize\maxdimen
25761     \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
25762 \fi
25763 \ifcsname l@subparagraph\endcsname
25764   \setbox\@tempboxa\vbox{\hsize\maxdimen
25765     \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
25766 \fi
25767 \ifcsname l@table\endcsname
25768   \setbox\@tempboxa\vbox{\hsize\maxdimen
25769     \l@table{\tocstyle@l@define{table}{1}}{}}%

```



```

25770 \fi
25771 \ifcsname l@figure\endcsname
25772   \setbox\@tempboxa\vbox{\hsize\maxdimen
25773     \l@figure{\tocstyle@l@define{figure}{1}}{}}%
25774 \fi
25775 \def\@tempa#1#2#3#4#5{%
25776   \ifnum #1>\c@tocdepth \else
25777     \vskip \z@ \@plus.2\p@
25778     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@ocr
25779     \parindent #2\relax\@afterindenttrue
25780     \interlinepenalty\@M
25781     \leavevmode
25782     \@tempdima #3\relax
25783     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
25784     {#4}\nobreak
25785     \leaders\hbox{$\m@th
25786       \mkern \dotsep mu\hbox{.}\mkern \dotsep
25787       mu$}\hfill
25788     \nobreak
25789     \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
25790     \par}%
25791 \fi}%
25792 \ifx\@dottedtocline\@tempa\else
25793   \tocstyle@macrochangewarning\@dottedtocline
25794 \fi
25795 \let\tocstyle@saved\@dottedtocline\@dottedtocline
25796 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
25797 \ifx\numberline\@tempa\else
25798   \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
25799   \ifx\numberline\@tempa\else
25800     \tocstyle@macrochangewarning\numberline
25801   \fi
25802 \fi
25803 \let\tocstyle@saved\@numberline\numberline
25804 }
25805 \renewcommand*\@tocstyle@l@define}[2]{%
25806   \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
25807   \edef\@tempa{%
25808     \noexpand\global\noexpand\let
25809     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
25810     \expandafter\noexpand\csname l@#1\endcsname
25811     \noexpand\gdef
25812     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
25813       \noexpand\@dottedtocline{#2}{\the\if@RTL\righskip\else\leftskip\fi}{\the\@tempdima}}%
25814     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
25815       \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
25816       \expandafter\noexpand\csname tocstyle@l@#1\endcsname
25817     }%
25818   }%
25819 \PackageInfo{tocstyle}{prepare \expandafter\string
25820   \csname l@#1\endcsname\space for redefinition}%
25821 \@tempa
25822 }

```



159 File `todonotes-xetex-bidi.def`

```
25823 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
25824 \newif\if@bidi@todonotes@textdirection@RTL
25825 \newif\if@bidi@todonotes@figposition@right
25826 \newcommand{\@bidi@todonotes@align}{}%
25827 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
25828 \newcommand{\@bidi@todonotes@textdirection}{}%
25829 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
25830 \ifcase\@bidi@todonotes@tempb\relax
25831 \@bidi@todonotes@textdirection@RTLtrue
25832 \let\@bidi@todonotes@textdirection\RLE
25833 \or
25834 \@bidi@todonotes@textdirection@RTLfalse
25835 \let\@bidi@todonotes@textdirection\LRE
25836 \fi}
25837 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
25838 \ifcase\@bidi@todonotes@tempb\relax
25839 \@bidi@todonotes@figposition@righttrue
25840 \or
25841 \@bidi@todonotes@figposition@rightfalse
25842 \fi}
25843 \if@todonotes@disabled%
25844 \else % \if@todonotes@disabled
25845 \renewcommand{\@todonotes@drawInlineNote}{%
25846 \if@todonotes@dviStyle%
25847 {\par\noindent\begin{tikzpicture}[remember picture]%
25848 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25849 \if@todonotes@authorgiven%
25850 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
25851 \else%
25852 {\noindent \@todonotes@sizecommand \@todonotes@text}%
25853 \fi
25854 {\par\noindent\begin{tikzpicture}[remember picture]%
25855 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25856 \else%
25857 {\par\noindent\begin{tikzpicture}[remember picture]%
25858 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25859 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@a
25860 \if@todonotes@authorgiven%
25861 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text
25862 \else%
25863 {\noindent \@todonotes@sizecommand \@todonotes@text}%
25864 \fi};%
25865 \end{tikzpicture}\par}%
25866 \fi}%
25867 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
25868 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
25869 \node [coordinate] (inText) {};%
25870 \end{tikzpicture}%
25871 \marginpar[{\% Draw note in left margin
25872 \@todonotes@drawMarginNote%
25873 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
25874 }]{\% Draw note in right margin
```



```

25875 \@todonotes@drawMarginNote%
25876 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
25877 }%
25878 }%
25879 \renewcommand{\@todonotes@drawMarginNote}{%
25880 \if@todonotes@dviStyle%
25881 \begin{tikzpicture}[remember picture]%
25882 \draw node[notestyle] {};%
25883 \end{tikzpicture}\%
25884 \begin{minipage}{\@todonotes@textwidth}%
25885 \if@todonotes@authorgiven%
25886 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
25887 \else%
25888 \@todonotes@sizecommand \@todonotes@text%
25889 \fi%
25890 \end{minipage}\%
25891 \begin{tikzpicture}[remember picture]%
25892 \draw node[notestyle] (inNote) {};%
25893 \end{tikzpicture}%
25894 \else%
25895 \let\originalHbadness\hbadness%
25896 \hbadness 100000%
25897 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
25898 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25899 \node(X){\vphantom{X}};%
25900 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25901 \if@todonotes@authorgiven%
25902 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@sizecommand \@todonotes@author};%
25903 \node(Y)[below=of X]{};%
25904 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25905 \else%
25906 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25907 \else%
25908 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25909 \fi%
25910 \end{tikzpicture}%
25911 \hbadness \originalHbadness%
25912 \fi}%
25913 \renewcommand{\missingfigure}[2]{}%
25914 \setkeys{todonotes}{#1}%
25915 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
25916 \par
25917 \noindent
25918 \begin{tikzpicture}
25919 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
25920 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
25921 \if@bidi@todonotes@figposition@right%
25922 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25923 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
25924 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
25925 \if@bidi@todonotes@figposition@right%

```



```

25929 \end{scope}
25930 \begin{scope}[xshift=-3.8cm]
25931 \fi%
25932 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25933 \draw (2, -0.3) node[right, text
25934     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
25935 \if@bidi@todonotes@figposition@right%
25936 \end{scope}
25937 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25938 \fi%
25939 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}};
25940 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}};
25941 \if@bidi@todonotes@figposition@right%
25942 \end{scope}
25943 \fi%
25944 \end{tikzpicture}\hfill
25945 }% Ending \missingfigure command
25946 \fi % Ending \@todonotes@ifdisabled
25947 \presetkeys%
25948     {todonotes}%
25949     {align=left,%
25950     textdirection=lefttoright,%
25951     figposition=left}{}%

```

160 File wrapfig-xetex-bidi.def

```

25952 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package]
25953 \let\WF@@everypar\@everypar
25954 \def\WF@putfigmaybe{%
25955 \ifinner
25956   \vskip-\parskip \global\WF@floatfalse
25957   \let\pagetotal\maxdimen % kludge flag for "not top of page"
25958 \else % outer page
25959   \@tempdima\pagedepth % save page depth
25960   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
25961   \penalty\interlinepenalty % update pg. parameters
25962   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
25963   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
25964     \global\WF@floatfalse
25965     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
25966   \else
25967     \ifdim\WF@size>\@tempdimb
25968       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
25969       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
25970       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
25971       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
25972       \advance\dimen@.5\baselineskip
25973       \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch;}%
25974         \global\WF@floatfalse \pagebreak
25975       \fi
25976     \else % \WF@info{Fits in \the\@tempdimb;}%
25977       \global\WF@floatfalse
25978     \fi\fi
25979   \vskip\@tempdima\relax % (return erased page depth)

```



```

25980 \fi
25981 \noindent
25982 \ifWF@float
25983   \WF@flmes
25984 \else % putting here;
25985   \WF@info{Put \WF@wfname here:}%
25986   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
25987     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
25988     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
25989   \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
25990     \@tempdima\wd\WF@box \@tempdimb\WF@ovh
25991     \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
25992     \@tempdimb\hsize \advance\@tempdimb-\@tempdima
25993     \xdef\WF@adjlw{\the\@tempdima}%
25994     \ifnum `l=\WF@place % fig on left
25995       \if@RTL%
25996         \kern\@tempdimb \kern\columnsep
25997         \def\@tempa{\hss}% position to left of the gap
25998         \else%
25999         \hss % figure overlaps space to the left
26000         \def\@tempa{\kern\columnsep}% position to left of the gap
26001         \fi%
26002       \else % fig on right
26003         \if@RTL%
26004         \hss
26005         \@tempdima\z@
26006         \def\@tempa{\kern\columnsep}
26007         \else%
26008         \@tempdima\z@ % no left indentation
26009         \kern\@tempdimb \kern\columnsep
26010         \def\@tempa{\hss}% figure overlaps space to the right
26011         \fi%
26012       \fi
26013       \ifdim\@tempdimb<\hsize
26014         \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
26015         \xdef\WF@adjtlm{\the\@tempdima}%
26016       \else
26017         \xdef\WF@wrapil{\z@ \the\hsize}%
26018         \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
26019       \fi
26020       \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
26021         \global\advance\WF@size-\intextsep
26022       \else % \WF@info{Putting \WF@wfname in middle of page}%
26023         \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
26024         \fi \dp\WF@box\z@ \box\WF@box \@tempa
26025     }% end \hbox to 0pt
26026   \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
26027 \fi}

```

161 File xcolor-xetex-bidi.def

```

26028 \ProvidesFile{xcolor-xetex-bidi.def}[2022/06/13 v0.3 bidi adaptations for xcolor package for
26029 \long\def\color@b@x#1#2#3%
26030 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi

```




```

26031 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
26032 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
26033 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
26034 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
26035 \protected\def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup
26036 \DeclareRobustCommand\color
26037 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]}
26038 \def\@undeclaredcolor[#1]#2%
26039 {\begingroup
26040 \let\@ccls\@empty
26041 \XC@getmodclr12{#1}{#2}{}%
26042 {\ifblendcolors
26043 \ifx\colorblend\@empty\else
26044 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
26045 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
26046 \fi
26047 \fi
26048 \ifconvertcolorsU
26049 \edef\@tmp{\XC@tgt@mod{\@mod}}%
26050 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
26051 \fi
26052 \ifmaskcolors
26053 \convertcolorspec\@mod\@clr\XC@mmod\@clr
26054 \let\@mod\XC@mmod
26055 \XC@inflate\@mod\XC@mclr\@clr\@tmp
26056 \expandafter\XC@mul\@tmp,\@clr
26057 \fi
26058 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
26059 \expandafter\endgroup\@tmp}}
26060 \def\@declaredcolor#1%
26061 {\XC@edef\XC@tmp{#1}\XC@tstfalse
26062 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
26063 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
26064 \ifconvertcolorsU\XC@tsttrue\fi
26065 \fi
26066 \ifXC@tst
26067 \expandafter\XC@declaredcolor\else
26068 \expandafter\XC@declaredcolor\fi}
26069 \def\XC@undeclaredcolor#1#2%
26070 {\@ifundefinedmodel{#1}%
26071 {\color@error{model `#1'}}%
26072 {\@nameuse{color@#1}\current@color{#2}}%
26073 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color{#1}{#2}}%
26074 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
26075 \def\XC@declaredcolor
26076 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
26077 \edef\current@color{\XC@current@color}%
26078 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
26079 \DeclareRobustCommand\bidicolor
26080 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]}
26081 \def\@bidiundeclaredcolor[#1]#2%
26082 {\begingroup
26083 \let\@ccls\@empty
26084 \XC@getmodclr12{#1}{#2}{}%

```



```

26085 {\ifblendcolors
26086   \ifx\colorblend\empty\else
26087     \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
26088     \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
26089   \fi
26090   \fi
26091   \ifconvertcolorsU
26092     \edef\@tmp{\XC@tgtmod{\@mod}}%
26093     \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
26094   \fi
26095   \ifmaskcolors
26096     \convertcolorspec\@mod\@clr\XC@mmod\@clr
26097     \let\@mod\XC@mmod
26098     \XC@inflate\@mod\XC@mclr\@clr\@tmp
26099     \expandafter\XC@mul\@tmp,\@clr
26100   \fi
26101   \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
26102   \expandafter\endgroup\@tmp}}
26103 \def\XC@bidiundeclaredcolor#1#2%
26104 {\@ifundefinedmodel{#1}%
26105  {\c@lor@error{model `#1'}}%
26106  {\@nameuse{color@#1}\current@color{#2}}%
26107   \edef\XC@current@color{\noexpand\xcolor@{ }\@current@color}{#1}{#2}}%
26108   \XC@display}}
26109 \def\@bidideclaredcolor#1%
26110 {\XC@edef\XC@tmp{#1}\XC@tstfalse
26111  \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
26112    \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
26113    \ifconvertcolorsU\XC@tsttrue\fi
26114  \fi
26115  \ifXC@tst
26116    \expandafter\XC@bidideclaredcolor\else
26117    \expandafter\XC@bidideclaredc@lor\fi}
26118 \def\XC@bidideclaredcolor
26119 {\XC@split\XC@tmp
26120  \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
26121  \expandafter\endgroup\@tmp}
26122 \def\XC@bidideclaredc@lor
26123 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
26124  \edef\current@color{\XC@current@color}%
26125  \XC@display}
26126 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
26127 \def\color@fbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
26128 \def\color@fb@x#1#2#3#4%
26129 {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
26130  {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
26131 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

162 File latex-xetex-bidi.def

```

26132 \ProvidesFile{latex-xetex-bidi.def}[2022/07/04 v1.4.9 bidi adaptations for `latex.ltx' for
26133 \newcommand{\TeXeTOn}{\TeXeTstate\@ne}
26134 \newcommand{\TeXeTOff}{\TeXeTstate\@z}
26135 \TeXeTOn

```



```

26136 \def\ bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebe
26137 \let\ bidi@o@everypar=\everypar
26138 \newtoks\ bidi@n@everypar
26139 \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
26140 \ bidi@o@everypar{\ bidi@RTL@everypar\the\ bidi@n@everypar}
26141 \let\ everypar=\ bidi@n@everypar
26142 \def\ moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
26143 \def\ moreRE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
26144 \protected\def\ hboxR{\hbox\ bgroup
26145 \everyhbox{%
26146 \aftergroup\egroup
26147 \everyhbox{}}%
26148 \beginR
26149 \@hboxRconstructtrue
26150 \bgroup
26151 \aftergroup\endR
26152 \aftergroup\egroup
26153 }\hbox}
26154 \protected\def\ hboxL{\hbox\ bgroup
26155 \everyhbox{%
26156 \aftergroup\egroup
26157 \everyhbox{}}%
26158 \beginL
26159 \@hboxRconstructfalse
26160 \bgroup
26161 \aftergroup\endL
26162 \aftergroup\egroup
26163 }\hbox}
26164 \protected\def\ vboxR{\vbox\ bgroup
26165 \everyvbox{%
26166 \aftergroup\egroup
26167 \everyvbox{}}%
26168 \@RTLtrue
26169 \@RTLtabtrue
26170 \bgroup
26171 \aftergroup\egroup
26172 }\vbox}
26173 \protected\def\ vboxL{\vbox\ bgroup
26174 \everyvbox{%
26175 \aftergroup\egroup
26176 \everyvbox{}}%
26177 \@RTLfalse
26178 \@RTLtabfalse
26179 \bgroup
26180 \aftergroup\egroup
26181 }\vbox}
26182 \newcommand*\ bidi@leftskip{\if@RTL\rightskip\else\leftskip\fi}
26183 \newcommand*\ bidi@rightskip{\if@RTL\leftskip\else\rightskip\fi}
26184 \def\ LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsizelinelwidth\parshapex\z@\ bidi@bea
26185 \def\ endLTR{\par}
26186 \newenvironment{LTR*}{\LTR
26187 \everypar{%
26188 {\setbox\z@\lastbox
26189 \ifvoid\z@

```



```

26190     \kern-\parindent
26191     \fi}%
26192   }%
26193 }{\endLTR\@endptrue}
26194 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue\hsize\linewidth\parshape\z@\@bidi@beamer}
26195 \def\endRTL{\par}
26196 \newenvironment{RTL*}{\RTL
26197   \everypar{%
26198     {\setbox\z@\lastbox
26199       \ifvoid\z@
26200         \kern-\parindent
26201         \fi}%
26202   }%
26203 }{\endRTL\@endptrue}
26204 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue\@bidi@beamer@ragged}
26205 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTL@tabfalse\@bidi@beamer@ragged}
26206 \let\unsetRTL=\setRTL
26207 \let\unsetLTR=\setRTL
26208 \let\LR=\LRE
26209 \let\RL=\RLE
26210 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
26211 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
26212 \let\@ensure@RL=\@ensure@RTL
26213 \let\@ensure@LR=\@ensure@LTR
26214 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
26215 \let\@ensure@maindir=\@ensure@dir
26216 \def\@RTL{RTL}
26217 \def\@LTR{LTR}
26218 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
26219 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
26220 \let\@TeX\TeX
26221 \def\TeX{\@ensure@LTR{\@TeX}}
26222 \let\@LaTeX\LaTeX
26223 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
26224 \let\@LaTeXe\LaTeXe
26225 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
26226 \long\def\@bidi@reflect@box#1{%
26227   \leavevmode
26228   \setbox\z@\hbox{#1}}%
26229   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
26230   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
26231 }
26232 \bidi@newrobustcmd*\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
26233   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}}$}
26234 \bidi@newrobustcmd*\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
26235   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}}$}
26236 \let\setRL=\setRTL
26237 \let\setLR=\setLTR
26238 \let\unsetRL=\setLTR
26239 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
26240 \ifpackageloaded{array}{%
26241 \def\@bidi@tabular@RTLcases{\@RTL@tabtrue%
26242   \leavevmode
26243   \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin}group

```



```

26244                                     \let\d@llarend\endgroup
26245   \@tabarray}
26246 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
26247 }{%
26248 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
26249   \leavevmode \hbox \bgroup
26250   $\left.\let\@acol\@tabacol
26251   \let\@classz\@tabclassz
26252   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26253
26254 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
26255   \egroup\right\rbrace $\egroup}
26256 \def RTLcases#1{\left.\vcenter{\normalbaselines\m@th
26257   \ialign{##\hfil$&\quad{##}\hfil\crr#1\crr}}\,\right\}}
26258 \renewenvironment{RTLcases}{%
26259   \bidi@matrix@check\RTLcases\env@RTLcases
26260 }{%
26261   \endbidi@tabular@RTLcases%
26262 }
26263 \def\env@RTLcases{%
26264   \let\@ifnextchar\bidi@new@ifnextchar
26265   \def\arraystretch{1.2}%
26266   \bidi@tabular@RTLcases{\@{}r@{\quad}r@{}}%
26267 }
26268 \def\SepMark#1{\gdef\@SepMark{#1}}
26269 \SepMark{.}
26270 \def\@thmcountersep{\@SepMark}
26271 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
26272 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
26273 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
26274 \newcommand*{\bidi@thebibliography@font@hook}{}
26275 \def\list#1#2{%
26276   \ifnum \@listdepth >5\relax
26277     \@toodeep
26278   \else
26279     \global\advance\@listdepth\@ne
26280   \fi
26281   \rightmargin\z@
26282   \listparindent\z@
26283   \itemindent\z@
26284   \csname @list\romannumeral\the\@listdepth\endcsname
26285   \def\@itemlabel{#1}%
26286   \let\makelabel\@mklab
26287   \@nbrlistfalse
26288   #2\relax
26289   \@trivlist
26290   \parskip\parsep
26291   \parindent\listparindent
26292   \advance\linewidth -\rightmargin
26293   \advance\linewidth -\leftmargin
26294   \if@bidi@list@minipage@parbox
26295   \ifRTL
26296   \advance\@totalleftmargin \leftmargin
26297   \else

```



```

26298 \advance\@totalleftmargin \rightmargin
26299 \fi
26300 \else
26301 \if@hboxRconstruct
26302 \if@bidi@list@minipage@parbox@not@nob
26303 \if@RTL
26304 \advance\@totalleftmargin \rightmargin
26305 \else
26306 \advance\@totalleftmargin \leftmargin
26307 \fi
26308 \else
26309 \if@RTL
26310 \advance\@totalleftmargin \leftmargin
26311 \else
26312 \advance\@totalleftmargin \rightmargin
26313 \fi\fi
26314 \else
26315 \if@RTL
26316 \advance\@totalleftmargin \rightmargin
26317 \else
26318 \advance\@totalleftmargin \leftmargin
26319 \fi\fi\fi
26320 \parshape \@ne \@totalleftmargin \linewidth
26321 \ignorespaces}
26322 \long\def\@iiiparbox#1#2[#3]#4#5{%
26323 \leavevmode
26324 \@pboxswfalse
26325 \if@hboxRconstruct
26326 \@bidi@list@minipage@parbox@not@nobtrue
26327 \fi
26328 \if@RTL
26329 \ifx#1t%
26330 \@bidi@list@minipage@parboxtrue
26331 \else
26332 \ifx#1b%
26333 \@bidi@list@minipage@parboxtrue
26334 \fi
26335 \fi
26336 \fi
26337 \setlength\@tempdima{#4}%
26338 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
26339 \ifx\relax#2\else
26340 \setlength\@tempdimb{#2}%
26341 \edef\@parboxto{to\the\@tempdimb}%
26342 \fi
26343 \if#1b\vbox
26344 \else\if #1t\top
26345 \else\ifmode\vcenter
26346 \else\@pboxswtrue $\vcenter
26347 \fi\fi\fi
26348 \@parboxto{\let\hss\vss\let\unhbox\unvbox
26349 \csname bm@#3\endcsname}%
26350 \if@pboxsw \m@th$\fi
26351 \@end@tempboxa}

```



```

26352 \newenvironment{LTRitems}
26353     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
26354       \if@bidi@list@minipage@parbox
26355         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26356         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26357         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26358         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26359         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26360         \ignorespaces}{\vskip\z@}
26361 \newenvironment{RTLitems}
26362     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26363       \if@bidi@list@minipage@parbox
26364         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26365         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26366         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26367         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26368         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26369         \ignorespaces}{\vskip\z@}
26370 \newenvironment{LTRbibitems}
26371     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
26372       \if@bidi@list@minipage@parbox
26373         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26374         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26375         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26376         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26377         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26378         \ignorespaces}{\vskip\z@}
26379 \newenvironment{RTLbibitems}
26380     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26381       \if@bidi@list@minipage@parbox
26382         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26383         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26384         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26385         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26386         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26387         \ignorespaces}{\vskip\z@}
26388 \def\raggedright{%
26389   \let\@centercr\@rightskip\@flushglue \rightskip\@rightskip
26390   \leftskip\z@skip
26391   \parindent\z@\parfillskip\z@skip}
26392 \let\bidi@orig@raggedleft\raggedleft
26393 \let\bidi@orig@raggedright\raggedright
26394 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@hboxRco
26395 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@hboxRco
26396 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
26397 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
26398 \def\centerline#1{%
26399 \if@RTL\@@line{\hss\beginR#1\endR\hss}
26400 \else\@@line{\hss#1\hss}\fi}
26401 \def\leftline#1{%
26402 \if@RTL\@@line{\beginR#1\endR\hss}
26403 \else\@@line{#1\hss}\fi}
26404 \def\rightline#1{%
26405 \if@RTL\@@line{\hss\beginR#1\endR}

```



```

26406 \else\@@line{\hss#1}\fi}
26407 \let\ bidi@orig@leftline\leftline
26408 \let\ bidi@orig@rightline\rightline
26409 \def\leftline#1{\ifhmode\ifRTL\ bidi@orig@rightline{#1}\else\ bidi@orig@leftline{#1}\fi\else\
26410 \def\rightline#1{\ifhmode\ifRTL\ bidi@orig@leftline{#1}\else\ bidi@orig@rightline{#1}\fi\else\
26411 \def\bidirlap#1{\hb@xt@\z@\ifRTL\hss\fi#1\ifRTL\else\hss\fi}}
26412 \def\bidillap#1{\hb@xt@\z@\ifRTL\else\hss\fi#1\ifRTL\hss\fi}}
26413 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#{#1}}}%
26414 \hangindent \ifRTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
26415 \def\narrower{%
26416 \advance\ifRTL\rightskip\else\leftskip\fi\parindent
26417 \advance\ifRTL\leftskip\else\rightskip\fi\parindent}
26418 \def\underline#1{%
26419 \relax
26420 \ifmode\@@underline{#1}%
26421 \else
26422 \ifRTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
26423 \else
26424 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
26425 \if@compatibility
26426 \let\underline=\underline
26427 \fi
26428 \def\@tabular{%
26429 \leavevmode \hbox \bgroup \ifRTLtab\beginR \fi
26430 $\let\@acol\@tabacol
26431 \let\@classz\@tabclassz
26432 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26433 \def\endtabular{\crr\egroup\ifRTLtab\egroup\endR\egroup\fi
26434 \egroup $\ifRTLtab\endR\fi\egroup}
26435 \expandafter \let \csname endtabular*\endcsname = \endtabular
26436 \def\@array[#1]#2{%
26437 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
26438 \bgroup
26439 \setbox\@arstrutbox\hbox{%
26440 \vrule \@height\arraystretch\ht\strutbox
26441 \@depth\arraystretch \dp\strutbox
26442 \@width\z@}%
26443 \mkpream{#2}%
26444 \edef\@preamble{%
26445 \ialign \noexpand\@halignto
26446 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
26447 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
26448 \let\@tabularnewline\%
26449 \let\par\@empty
26450 \let\@sharp##%
26451 \set@typeset@protect
26452 \lineskip\z@skip\baselineskip\z@skip
26453 \ifhmode \@preamerr\z@ \@@par\fi
26454 \ifRTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
26455 \@preamble}
26456 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
26457 \let\@classiv\@arrayclassiv
26458 \let\\\@arraycr\let\@halignto\@empty\RTLtabfalse\@tabarray}
26459 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else

```




```

26460 \ifnum \@lastchclass=3 5 \else
26461 \z@ \if #1c\@chnum \z@ \else
26462 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
26463 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
26464 \@chclass \if #1|\@ne \else
26465 \if #1@\tw@ \else
26466 \if #1p3 \else \z@ \@preamerr 0\fi
26467 \fi \fi \fi \fi \fi \fi
26468 \fi}
26469 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
26470 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
26471 \def\bm@t{\unhbox\@tempboxa\hss}
26472 \def\bm@b{\hss\unhbox\@tempboxa}
26473 \def\@dottedtocline#1#2#3#4#5{%
26474 \ifnum #1>\c@tocdepth \else
26475 \vskip \z@ \@plus.2\p@
26476 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrama
26477 \parindent #2\relax\@afterindenttrue
26478 \interlinepenalty\@M
26479 \leavevmode
26480 \@tempdima #3\relax
26481 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
26482 {#4}\nobreak
26483 \leaders\hbox{\$m@th
26484 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
26485 mu$}\hfill
26486 \nobreak
26487 \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}%
26488 \par}%
26489 \fi}
26490
26491 \newcount\@bidi@column@check@number
26492
26493 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
26494
26495 \def\@bidi@set@column@status#1#2{%
26496 \global\expandafter\let\csname #1\endcsname\@bidi@current@column@status}
26497
26498 \if@twocolumn
26499 \newcommand\DetectColumn[3][1]{%
26500 \ifx\@bidi@firstcolumn@status@write\relax
26501 \PackageError{bidi}%
26502 {Option 'DetectColumn' not selected}%
26503 {\string\DetectColumn\space
26504 requires the use of the 'DetectColumn'
26505 option on the package}%
26506 \fi
26507 \global\advance\@bidi@column@check@number\@ne
26508 \edef\@bidi@column@type{\expandafter\ifx
26509 \csname @bidi@column-\the\@bidi@column@check@number\endcsname\relax
26510 0\else
26511 \csname @bidi@column-\the\@bidi@column@check@number\endcsname
26512 \fi}%
26513 \ifcase \@bidi@column@type\relax

```



```

26514     \ifcase #1\or #2\or#3\fi   % 0 not known use first column as default
26515 \or
26516     #2% % 1 First column
26517 \or
26518     #3% % 2 Second (Last column)
26519 \else
26520     \ERROR
26521 \fi
26522 \edef\next{\write\@auxout
26523     {\string\bidiset@column@status{\bidi@column-\the\bidi@column@check@number}%
26524     {\bidi@column@type}}}%
26525 \next
26526 }
26527
26528 \AtEndDocument{\def\bidi@set@column@status#1#2{%
26529     \ifnum #2=\bidi@current@column@status\else
26530         \@tempwattrue
26531         \fi}%
26532 }
26533 \fi
26534
26535 \def\RTL@outputdblcol{%
26536     \if@firstcolumn
26537         \global\@firstcolumnfalse
26538         \global\setbox\@leftcolumn\copy\@outputbox
26539         \splitmaxdepth\maxdimen
26540         \vbadness\maxdimen
26541         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26542         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26543         \toks@\expandafter{\topmark}%
26544         \xdef\@firstcoltopmark{\the\toks@}%
26545         \toks@\expandafter{\splitfirstmark}%
26546         \xdef\@firstcolfirstmark{\the\toks@}%
26547         \ifx\@firstcolfirstmark\@empty
26548             \global\let\@setmarks\relax
26549         \else
26550             \gdef\@setmarks{%
26551                 \let\firstmark\@firstcolfirstmark
26552                 \let\topmark\@firstcoltopmark}%
26553         \fi
26554     \else
26555         \global\@firstcolumntrue
26556         \setbox\@outputbox\vbox{%
26557             \hb@xt@\textwidth{%
26558                 \hskip \columnwidth
26559                 \hfil
26560                 {\normalcolor\vrule \@width\columnseprule}%
26561                 \hfil
26562                 \hb@xt@\columnwidth{%
26563                     \bidi@firstcolumn@status@write%
26564                     \box\@leftcolumn \hss}%
26565                 \hskip -\textwidth
26566                 \hb@xt@\columnwidth{%
26567                     \bidi@lastcolumn@status@write%

```



```

26568     \box\@outputbox \hss}%
26569     \hskip \columnsep
26570     \hskip \columnwidth }%
26571 \@combinedblfloats
26572   \setmarks
26573   \@outputpage
26574   \begingroup
26575     \dblfloatplacement
26576     \startdblcolumn
26577     \whilesw@if@colmade \fi{\@outputpage
26578     \startdblcolumn}%
26579   \endgroup
26580 \fi}%
26581
26582 \def\LTR@outputdblcol{%
26583   \if@firstcolumn
26584     \global\@firstcolumnfalse
26585     \global\setbox\@leftcolumn\copy\@outputbox
26586     \splitmaxdepth\maxdimen
26587     \vbadness\maxdimen
26588     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26589     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26590     \toks@\expandafter{\topmark}%
26591     \xdef\@firstcoltopmark{\the\toks@}%
26592     \toks@\expandafter{\splitfirstmark}%
26593     \xdef\@firstcolfirstmark{\the\toks@}%
26594     \ifx\@firstcolfirstmark\@empty
26595       \global\let\@setmarks\relax
26596     \else
26597       \gdef\@setmarks{%
26598         \let\firstmark\@firstcolfirstmark
26599         \let\topmark\@firstcoltopmark}%
26600     \fi
26601   \else
26602     \global\@firstcolumntrue
26603     \setbox\@outputbox\vbox{%
26604       \hb@xt@\textwidth{%
26605         \hb@xt@\columnwidth{%
26606           \bidi@firstcolumn@status@write%
26607           \box\@leftcolumn \hss}%
26608         \hfil
26609         {\normalcolor\vrule \@width\columnseprule}%
26610         \hfil
26611         \hb@xt@\columnwidth{%
26612           \bidi@lastcolumn@status@write%
26613           \box\@outputbox \hss}}}%
26614   \@combinedblfloats
26615   \setmarks
26616   \@outputpage
26617   \begingroup
26618     \dblfloatplacement
26619     \startdblcolumn
26620     \whilesw@if@colmade \fi{\@outputpage
26621     \startdblcolumn}%

```



```

26622 \endgroup
26623 \fi}%
26624
26625
26626 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
26627 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
26628 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
26629
26630 \bidi@patchcmd\@makecol{%
26631 \ifvoid\footins
26632 \setbox\@outputbox \box\@cclv
26633 \else
26634 \setbox\@outputbox \vbox {%
26635 \boxmaxdepth \@maxdepth
26636 \unvbox \@cclv
26637 \vskip \skip\footins
26638 \color@begingroup
26639 \normalcolor
26640 \footnoterule
26641 \unvbox \footins
26642 \color@endgroup
26643 }%
26644 \fi
26645 }{%
26646 \ifvoid\footins
26647 \ifvoid\@bidi@copyins@
26648 \setbox\@outputbox \box\@cclv
26649 \else
26650 \setbox\@outputbox \vbox {%
26651 \boxmaxdepth \@maxdepth
26652 \unvbox \@cclv
26653 \vskip \skip\@bidi@copyins@
26654 \color@begingroup
26655 \normalcolor
26656 \unvbox \@bidi@copyins@
26657 \color@endgroup
26658 }%
26659 \fi
26660 \else
26661 \setbox\@outputbox \vbox {%
26662 \boxmaxdepth \@maxdepth
26663 \unvbox \@cclv
26664 \vskip \skip\footins
26665 \color@begingroup
26666 \normalcolor
26667 \footnoterule
26668 \unvbox \footins
26669 \color@endgroup
26670 \ifvoid\@bidi@copyins@
26671 \else
26672 \vskip \skip\@bidi@copyins@
26673 \color@begingroup
26674 \normalcolor
26675 \unvbox \@bidi@copyins@

```



```

26676         \color@endgroup
26677         \fi
26678     }%
26679     \fi
26680 }{}{}
26681
26682 \def\LTRmarginpar{%
26683     \ifhmode
26684         \@bsphack
26685         \@floatpenalty -\@Mii
26686     \else
26687         \@floatpenalty-\@Miii
26688     \fi
26689     \ifinner
26690         \@parmoderr
26691         \@floatpenalty\z@
26692     \else
26693         \@next\@currbox\@freelist{}{}%
26694         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26695         {\@floatpenalty\z@
26696         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26697     \fi
26698     \@ifnextchar [\@LTRxmpar\@LTRympar}
26699 \long\def\@LTRxmpar[#1]#2{%
26700     \@LTRsavemarbox\@marbox{#1}%
26701     \@LTRsavemarbox\@currbox{#2}%
26702     \@xympar}
26703 \long\def\@LTRympar#1{%
26704     \@LTRsavemarbox\@marbox{#1}%
26705     \global\setbox\@currbox\copy\@marbox
26706     \@xympar}
26707 \long\def \@LTRsavemarbox #1#2{%
26708     \global\setbox #1%
26709         \color@vbox
26710         \vtop{%
26711             \hsize\marginparwidth
26712             \@parboxrestore
26713             \@LTRmarginparreset
26714             #2%
26715             \@minipagefalse
26716             \outer@nobreak
26717             }%
26718     \color@endbox
26719 }
26720 \def \@LTRmarginparreset {%
26721     \reset@font
26722     \normalsize
26723     \@minipagetrue
26724     \everypar{\@minipagefalse\everypar{}\beginL}%
26725 }
26726 \def\RTLmarginpar{%
26727     \ifhmode
26728         \@bsphack
26729         \@floatpenalty -\@Mii

```



```

26730 \else
26731   \@floatpenalty-\@Miii
26732 \fi
26733 \ifinner
26734   \@parmoderr
26735   \@floatpenalty\z@
26736 \else
26737   \@next\@currbox\@freelist{}{}%
26738   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26739   {\@floatpenalty\z@
26740    \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26741 \fi
26742 \@ifnextchar [\@RTLxmpar\@RTLympar}
26743 \long\def\@RTLxmpar[#1]#2{%
26744   \@RTLSavemarbox\@marbox{#1}%
26745   \@RTLSavemarbox\@currbox{#2}%
26746   \@xympar}
26747 \long\def\@RTLympar#1{%
26748   \@RTLSavemarbox\@marbox{#1}%
26749   \global\setbox\@currbox\copy\@marbox
26750   \@xympar}
26751 \long\def \@RTLSavemarbox #1#2{%
26752   \global\setbox #1%
26753     \color@vbox
26754     \vtop{%
26755       \hsize\marginparwidth
26756       \@parboxrestore
26757       \@RTLMarginparreset
26758       #2%
26759       \@minipagefalse
26760       \outer@nobreak
26761     }%
26762   \color@endbox
26763 }
26764 \def \@RTLMarginparreset {%
26765   \reset@font
26766   \normalsize
26767   \@minipagetrue
26768   \everypar{\@minipagefalse\everypar{} \beginR}%
26769 }
26770 \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
26771   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
26772   \if@twocolumn
26773     \if@firstcolumn \@tempcnta\m@ne \fi
26774   \else
26775     \if@mparswitch
26776       \ifodd\c@page \else\@tempcnta\m@ne \fi
26777     \fi
26778     \if@reversemargin \@tempcnta -\@tempcnta \fi
26779   \fi
26780   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
26781   \@tempdima\@mparbottom
26782   \advance\@tempdima -\@pageht
26783   \advance\@tempdima\ht\@marbox

```



```

26784 \ifdim\@tempdima >\z@
26785 \latex@warning@no@line {Marginpar on page \thepage\space moved}%
26786 \else
26787 \@tempdima\z@
26788 \fi
26789 \global\@mparbottom\@pageht
26790 \global\advance\@mparbottom\@tempdima
26791 \global\advance\@mparbottom\dp\@marbox
26792 \global\advance\@mparbottom\marginparpush
26793 \advance\@tempdima -\ht\@marbox
26794 \global\setbox \@marbox
26795 \vbox {\vskip \@tempdima
26796 \box \@marbox}%
26797 \global \ht\@marbox \z@
26798 \global \dp\@marbox \z@
26799 \kern -\@pagedp
26800 \nointerlineskip
26801 \hb@xt@\columnwidth
26802 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
26803 \hskip\columnwidth \hskip\marginparsep
26804 \else
26805 \hskip -\marginparsep \hskip -\marginparwidth
26806 \fi
26807 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
26808 \nointerlineskip
26809 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
26810 \long\def\@ympar#1{%
26811 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
26812 \global\setbox\@currbox\copy\@marbox
26813 \@xympar}
26814 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
26815 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
26816 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
26817 \def\@stoplefte{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
26818 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
26819 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
26820 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
26821 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
26822 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%
26823 \fi}
26824
26825 \newcommand*{\bidi@font@@outputpage}{-}
26826
26827 \def\@outputpage{%
26828 \begingroup % the \endgroup is put in by \aftergroup
26829 \let \protect \noexpand
26830 \@resetactivechars
26831 \global\let\@if@newlist\if@newlist
26832 \global\@newlistfalse
26833 \@parboxrestore
26834 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
26835 \bidi@beforeoutputpageshipouthook
26836 \shipout \vbox{%
26837 \set@typeset@protect

```



```

26838 \aftergroup \endgroup
26839 \aftergroup \set@typeset@protect
26840 % correct? or just restore by ending
26841 % the group?
26842 \if@specialpage
26843 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
26844 \fi
26845 \if@twoside
26846 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfont
26847 \if@RTLmain
26848 \let\@themargin\evensidemargin
26849 \else
26850 \let\@themargin\oddsidemargin
26851 \fi
26852 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
26853 \if@RTLmain
26854 \let\@themargin\oddsidemargin
26855 \else
26856 \let\@themargin\evensidemargin
26857 \fi
26858 \fi
26859 \ifx\@thehead\@empty \let\@thehead\hfil \fi
26860 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
26861 \else %% not @twoside
26862 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
26863 \ifx\@oddfont\@empty \let\@thefoot\hfil \fi
26864 \fi
26865 \reset@font
26866 \normalsize
26867 \bidi@font@@@outputpage
26868 \normalsfcodes
26869 \let\label\@gobble
26870 \let\index\@gobble
26871 \let\glossary\@gobble
26872 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
26873 \@begindvi
26874 \vskip \topmargin
26875 \moveright\@themargin \vbox {%
26876 \global\let\bidi@BeforeHeader\@firstofone
26877 \bidi@beforeheaderhook
26878 \setbox\@tempboxa \vbox to\headheight{%
26879 \vfil
26880 \color@hbox
26881 \normalcolor
26882 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if
26883 \color@endbox
26884 }% %% 22 Feb 87
26885 \dp\@tempboxa \z@
26886 \box\@tempboxa
26887 \vskip \headsep
26888 \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
26889 \bidi@beforeoutputboxoutputpagehook
26890 \box\@outputbox
26891 \global\let\bidi@AfterOutputBoxOutputPage\@firstofone

```




```

26892 \bidi@afteroutputboxoutputpagehook
26893 \global\let\bidi@BeforeFooter\@firstofone
26894 \bidi@beforefooterhook
26895 \baselineskip \footskip
26896 \color@hbox
26897 \normalcolor
26898 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL}
26899 \color@endbox
26900 \global\let\bidi@AfterFooter\@firstofone
26901 \bidi@afterfooterhook
26902 }%
26903 }%
26904 \global\let\bidi@AfterOutputPageShipOut\@firstofone
26905 \bidi@afteroutputpageshipouthook
26906 \global\let\if@newlist\@if@newlist
26907 \global \colht \textheight
26908 \stepcounter{page}%
26909 \let\firstmark\botmark
26910 \global\let\bidi@AtEndOutputPage\@firstofone
26911 \bidi@atendoutputpagehook
26912 }
26913 \long\def\@makecaption#1#2{%
26914 \vskip\abovecaptionskip
26915 \sbox\@tempboxa{#1: #2}%
26916 \ifdim \wd\@tempboxa >\hsize
26917 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
26918 \else
26919 \global \@minipagefalse
26920 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
26921 \fi
26922 \vskip\belowcaptionskip}
26923 \let\bidi@samed@eqno=\eqno
26924 \let\bidi@samed@leqno=\leqno
26925 \def\eqno{\ifnum\predisplaydirection<z@ \bidi@samed@leqno \else \bidi@samed@eqno \fi}
26926 \def\leqno{\ifnum\predisplaydirection<z@ \bidi@samed@eqno \else \bidi@samed@leqno \fi}
26927 \ifpackageloaded{amsmath}{-}{-}
26928 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
26929 }
26930 \input{footnote-xetex-bidi.def}
26931 \if@twocolumn
26932 \let\autofooterule\relax
26933 \let\leftfootnoterule\relax
26934 \let\rightfootnoterule\relax
26935 \textwidthfootnoterule
26936 \fi
26937 \if@bidi@csundef{\@idxitem}{-}{-}%
26938 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
26939 }
26940 \ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{-}
26941 \ifclassloaded{article}{\ifclassloaded{svmult}}{-}{\input{article-xetex-bidi.def}}{-}
26942 \ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{-}
26943 \ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{-}
26944 \ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{-}
26945 \ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{-}

```



```

26946 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
26947 \@ifclassloaded{beamer}{\input{beamer-xetex-bidi.def}}{}
26948 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
26949 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
26950 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
26951 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
26952 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
26953 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
26954 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
26955 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
26956 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
26957 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
26958 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
26959 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
26960 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
26961 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
26962 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
26963 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
26964 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
26965 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
26966 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
26967 \@ifpackageloaded{amsmath}{}{%
26968 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
26969 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
26970 }
26971 \@ifpackageloaded{mathtools}{%
26972 \RequirePackage{graphicx}%
26973 \input{mathtools-xetex-bidi.def}%
26974 }{}
26975 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
26976 \@ifpackageloaded{lscap}{\RequirePackage{graphicx}}{}
26977 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
26978 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
26979 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
26980 \@ifpackagewith{algorithm2e}{algonl}{%
26981 \renewcommand{\theAlgoLine}{\expandafter\csname the\algc@float\endcsname\@SepMark\arabic{A
26982 }}{}
26983 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algc@within}{part}}{}
26984 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algc@within}{chapter}}{}
26985 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algc@within}{section}}{}
26986 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
26987 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
26988 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
26989 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
26990 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
26991 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
26992 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
26993 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
26994 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}}{\input{crop-xetex-bidi.def}}{}
26995 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
26996 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
26997 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
26998 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
26999 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}

```



```

27000 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}}{\input{float-xetex-bidi.def}}{}
27001 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
27002 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
27003 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
27004 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
27005 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
27006 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
27007 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
27008 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
27009 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
27010 \@ifpackageloaded{lscape}{\input{lscape-xetex-bidi.def}}{}
27011 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
27012 \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
27013 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
27014 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
27015 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
27016 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
27017 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
27018 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
27019 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
27020 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
27021 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
27022 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
27023 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
27024 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
27025 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
27026 \@ifpackageloaded{pdftex}{\input{pdftex-xetex-bidi.def}}{}
27027 \@ifpackageloaded{pdfscape}{\input{pdfscape-xetex-bidi.def}}{}
27028 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
27029 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
27030 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
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27042   \renewcommand*\SC@justify@caption{%
27043     \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
27044   \renewcommand*\SC@FLOAT}[2]{%
27045     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {{#2}\hspace{\sidecaptionsep}{#1}}
27046     \renewcommand*\SC@justify@caption{%
27047       \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
27048 }{}
27049 \@ifpackagewith{sidecap}{rightcaption}{%
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27051 \def\SC@justify@caption{\RaggedLeft}\else%
27052 \renewcommand*\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
27053 \def\SC@justify@caption{\RaggedRight}\fi%

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163 File xltextra-xetex-bidi.def

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27118 \def\XeTeX{\@ensure@LTR{\@@XeTeX}}
27119 \let\@@XeLaTeX\XeLaTeX
27120 \def\XeLaTeX{\@ensure@LTR{\@@XeLaTeX}}

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