



The bidi Package

Source documentation for version 33.4

*to my Master, **Ferdowsi The Great***

If you enjoy the bidi package and want to support the project, then please consider donating to the project. It allows me to spend more time working on the bidi package, encourages me to continue, and is the perfect way to say thank you!

You can use *My PayPal.Me* to donate to the bidi package at

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<https://sourceforge.net/p/persian-tex-dist/tickets>

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

Please note that most of my spare time is pretty much occupied by T_EX development and as a result, I am afraid that I can not help users on a regular basis. Therefore, I ask all users to not email me and ask for help. However, there is a Persian T_EX mailing list where everyone can discuss Persian T_EX related topics, ask and/or answer questions. This mailing list is the default media for Persian T_EX communications. I will try my best to answer questions on this mailing list whenever I have time. I will also be posting announcements regarding new versions of the bidi package on this mailing list. You can subscribe to the mailing list at <https://lists.sourceforge.net/lists/listinfo/persian-tex-dist-discuss>

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The *bid* Package

Bidirectional typesetting in plain \TeX and \LaTeX , using \XeTeX engine

Source documentation for [version 33.4](#)

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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 Xe
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\leftskip
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-.4p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4p@
31   \hrule\@width 5pc\kern11p@\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     \makefnintext{%
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   \if@RTL\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 \if@RTL\raggedleft\else\raggedright\fi
105 \hyphenpenalty\@M
106 \footnotesize}
107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111 \topnum\z@ % this prevents figures from falling at the top of page 1
112 \setcopyright
113 \thispagestyle{firstpage}% this sets first page specifications
114 \uppercase\nonmath\shorttitle
115 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116 \else \andify\shortauthors
117 \fi
118 \@maketitle@hook
119 \begingroup
120 \@maketitle
121 \toks@{\xp{\shortauthors}}\@temptokena{\xp{\shorttitle}}%
122 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123 \edef\@tempa{%
124 \nx\markboth{\the\toks4
125 \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126 \@tempa
127 \endgroup
128 \c@footnote\z@
129 \cleartopmattertags
130 }

```

2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol package]
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}[2018/09/21 v0.2 bidi adaptations for algorithm2e pa
166 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
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 L
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\leftskip
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 \@makefntext{%
249   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
250
251 \long\def\@RTLfootnotetext#1{%
252   \insert\footins{%
253     \@RTLtrue%
254     \reset@font%
255     \bidi@RTLfootnotetext@font% \normalfont\footnotesize
256     \interlinepenalty\interfootnotelinepenalty
257     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258     \floatingpenalty\@MM \hsize\columnwidth
259     \@parboxrestore \parindent\normalparindent \sloppy
260     \protected@edef\@currentlabel{%
261       \csname p@footnote\endcsname\@thefnmark}%
262     \@makefntext{%
263       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
264
265
266 \long\def\@LTRfootnotetext#1{%
267   \insert\footins{%
268     \@RTLfalse%
269     \reset@font%
270     \bidi@LTRfootnotetext@font% \normalfont\footnotesize
271     \interlinepenalty\interfootnotelinepenalty
272     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
273     \floatingpenalty\@MM \hsize\columnwidth
274     \@parboxrestore \parindent\normalparindent \sloppy
275     \protected@edef\@currentlabel{%
276       \csname p@footnote\endcsname\@thefnmark}%
277     \@makefntext{%
278       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
279
280
281
282 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
283 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
284 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
285
286 \renewenvironment{thebibliography}[1]{%
287   \@bibtitlestyle
288   \normalfont\bibliofont\labelsep .5em\relax
289   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty

```



```

290 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@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\righskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\@xp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\ifRTL\righskip\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}[2018/01/08 v1.1 bidi adaptations for amsmath package for
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@@@{\ifnonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italiccorr

```



6 File amstext-xetex-bidi.def

```
337 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package for XeLaTeX]
338 \def\textdef@#1#2#3{\hbox{#{%
339     \everymath{#1}%
340     \let\fontsize#2\selectfont
341     \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}}
```

7 File amsthm-xetex-bidi.def

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

8 File array-xetex-bidi.def

```
344 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for XeLaTeX]
345 \def\@testpach{\@chclass
346 \ifnum \@lastchclass=6 \one \@chnum \one \else
347 \ifnum \@lastchclass=7 5 \else
348 \ifnum \@lastchclass=8 \tw@ \else
349 \ifnum \@lastchclass=9 \thr@@
350 \else \z@
351 \ifnum \@lastchclass = 10 \else
352 \edef\@nextchar{\expandafter\string\@nextchar}%
353 \@chnum
354 \if \@nextchar c\z@ \else
355 \if \@nextchar \if@RTLtab r\else l\fi\one \else
356 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
357 \z@ \@chclass
358 \if \@nextchar |\one \else
359 \if \@nextchar !6 \else
360 \if \@nextchar @7 \else
361 \if \@nextchar <8 \else
362 \if \@nextchar >9 \else
363 10
364 \@chnum
365 \if \@nextchar m\thr@@\else
366 \if \@nextchar p4 \else
367 \if \@nextchar b5 \else
368 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
369 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
370 \def\@tabular{%
371 \leavevmode
372 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginRgroup
373 \let\d@llarend\endRgroup
374 \@tabarray}
375 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
376 \expandafter\let\csname endtabular*\endcsname=\endtabular
377 \def\@array[#1]#2{%
378 \@tempdima \ht \strutbox
```



```

379 \advance \@tempdima by\extrarowheight
380 \setbox \@arstrutbox \hbox{\vrule
381     \@height \arraystretch \@tempdima
382     \@depth \arraystretch \dp \strutbox
383     \@width \z@}%
384 \begingroup
385 \mkpream{#2}%
386 \xdef\@preamble{\noexpand \ialign \@halignto
387     \bgroup \@arstrut \@preamble
388     \tabskip \z@ \cr}%
389 \endgroup
390 \@arrayleft
391 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
392 \bgroup
393 \let \@sharp ##\let \protect \relax
394 \lineskip \z@
395 \baselineskip \z@
396 \m@th
397 \let\\ \@arraycr \let\tabularnewline\\ \let\par \@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRcor
398 \def\@tabarray{\@ifnextchar[\@array]{\@array[c]}}
399 \def\endarray{\crcr \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
400 \def\array{\col@sep\arraycolsep
401     \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
402 \@RTLtabfalse\@tabarray}

```

9 File article-xetex-bidi.def

```

403 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article c
404 \if@titlepage
405 \renewcommand\maketitle{\begin{titlepage}%
406 \let\footnotesize\small
407 \let\right@footnoterule\relax
408 \let\left@footnoterule\relax
409 \let\textwidth@footnoterule\relax
410 \let \footnote \thanks
411 \let \LTRfootnote \LTRthanks
412 \let \RTLfootnote \RTLthanks
413 \null\vfil
414 \vskip 60\p@
415 \begin{center}%
416 {\LARGE \@title \par}%
417 \vskip 3em%
418 {\large
419 \lineskip .75em%
420 \begin{tabular}[t]{c}%
421 \@author
422 \end{tabular}\par}%
423 \vskip 1.5em%
424 {\large \@date \par}% % Set date in \large size.
425 \end{center}\par

```



```

426 \@thanks
427 \vfil\null
428 \end{titlepage}%
429 \setcounter{footnote}{0}%
430 \global\let\thanks\relax
431 \global\let\LTRthanks\relax
432 \global\let\RTLthanks\relax
433 \global\let\maketitle\relax
434 \global\let\@thanks\@empty
435 \global\let\@author\@empty
436 \global\let\@date\@empty
437 \global\let\@title\@empty
438 \global\let\title\relax
439 \global\let\author\relax
440 \global\let\date\relax
441 \global\let\and\relax
442 }
443 \else
444 \renewcommand\maketitle{\par
445 \begingroup
446 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
447 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
448 \long\def\@makefntext##1{\parindent 1em\noindent
449 \hb@xt@1.8em{%
450 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
451 \if@twocolumn
452 \ifnum \col@number=\@ne
453 \@maketitle
454 \else
455 \twocolumn[\@maketitle]%
456 \fi
457 \else
458 \newpage
459 \global\@topnum\z@ % Prevents figures from going at top of page.
460 \@maketitle
461 \fi
462 \thispagestyle{plain}\@thanks
463 \endgroup
464 \setcounter{footnote}{0}%
465 \global\let\thanks\relax
466 \global\let\LTRthanks\relax
467 \global\let\RTLthanks\relax
468 \global\let\maketitle\relax
469 \global\let\@maketitle\relax
470 \global\let\@thanks\@empty
471 \global\let\@author\@empty
472 \global\let\@date\@empty
473 \global\let\@title\@empty
474 \global\let\title\relax
475 \global\let\author\relax

```



```

476 \global\let\date\relax
477 \global\let\and\relax
478 }
479 \def\@maketitle{%
480 \newpage
481 \null
482 \vskip 2em%
483 \begin{center}%
484 \let \footnote \thanks
485 \let \LTRfootnote \LTRthanks
486 \let \RTLfootnote \RTLthanks
487 {\LARGE \@title \par}%
488 \vskip 1.5em%
489 {\large
490 \lineskip .5em%
491 \begin{tabular}[t]{c}%
492 \@author
493 \end{tabular}\par}%
494 \vskip 1em%
495 {\large \@date}%
496 \end{center}%
497 \par
498 \vskip 1.5em}
499 \fi
500 \renewcommand*\l@part[2]{%
501 \ifnum \c@tocdepth >-2\relax
502 \addpenalty\@secpenalty
503 \addvspace{2.25em \@plus\p@}%
504 \setlength\@tempdima{3em}%
505 \begingroup
506 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
507 \parfillskip -\@pnumwidth
508 {\leavevmode
509 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
510 \nobreak
511 \if@compatibility
512 \global\@nobreaktrue
513 \everypar{\global\@nobreakfalse\everypar{}}%
514 \fi
515 \endgroup
516 \fi}
517 \renewcommand*\l@section[2]{%
518 \ifnum \c@tocdepth >\z@
519 \addpenalty\@secpenalty
520 \addvspace{1.0em \@plus\p@}%
521 \setlength\@tempdima{1.5em}%
522 \begingroup
523 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
524 \parfillskip -\@pnumwidth
525 \leavevmode \bfseries

```



```

526     \advance\if@RTL\rightright\else\leftskip\fi\@tempdima
527     \hskip -\if@RTL\rightright\else\leftskip\fi
528     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
529     \endgroup
530 \fi}
531 \renewcommand\left@footnoterule{%
532     \kern-3\p@
533     \hrule\@width.4\columnwidth
534     \kern2.6\p@}
535 \renewcommand\right@footnoterule{%
536     \kern-3\p@
537     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
538     \kern2.6\p@}
539 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
540 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
541 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
542 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
543 \def\@part[#1]#2{%
544     \ifnum \c@secnumdepth >\m@ne
545         \refstepcounter{part}%
546         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
547     \else
548         \addcontentsline{toc}{part}{#1}%
549     \fi
550     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
551     \interlinepenalty \@M
552     \normalfont
553     \ifnum \c@secnumdepth >\m@ne
554         \Large\bfseries \partname\nobreakspace\thepart
555         \par\nobreak
556     \fi
557     \huge \bfseries #2%
558     \markboth{}{\par}%
559     \nobreak
560     \vskip 3ex
561     \@afterheading}
562 \renewenvironment{thebibliography}[1]
563     {\section*{\refname}%
564     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
565     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
566     \bidi@thebibliography@font@hook%
567     \list{\@biblabel{\@arabic\c@enumiv}}%
568         {\settowidth\labelwidth{\@biblabel{#1}}%
569         \leftmargin\labelwidth
570         \advance\leftmargin\labelsep
571         \@openbib@code
572         \usecounter{enumiv}%
573         \let\p@enumiv\@empty
574         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
575     \sloppy

```




```

576 \clubpenalty4000
577 \@clubpenalty \clubpenalty
578 \widowpenalty4000%
579 \sfcode`\.\@m}
580 {\def\@noitemerr
581   {\@latex@warning{Empty `thebibliography' environment}}}%
582 \endlist}
583 \renewenvironment{theindex}
584   {\if@twocolumn
585     \@restonecolfalse
586   \else
587     \@restonecoltrue
588   \fi
589   \columnseprule \z@
590   \columnsep 35\p@
591   \twocolumn[\section*{\indexname}]%
592   \@mkboth{\MakeUppercase\indexname}%
593           {\MakeUppercase\indexname}%
594   \thispagestyle{plain}\parindent\z@
595   \parskip\z@ \@plus .3\p@\relax
596   \let\item\@idxitem}
597   {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

598 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class for
599 \renewenvironment{theindex}{%
600   \if@twocolumn
601     \@restonecolfalse
602   \else
603     \@restonecoltrue
604   \fi
605   \columnseprule \z@
606   \columnsep 35\p@
607   \twocolumn[\section*{\indexname}]%
608   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
609   \thispagestyle{plain}\parindent\z@
610   \parskip\z@ \@plus .3\p@\relax
611   \let\item\@idxitem
612   }{%
613   \if@restonecol\onecolumn\else\clearpage\fi}
614 \renewcommand*{\head@style}{%
615   \interlinepenalty \@M
616   \hyphenpenalty=\@M \exhyphenpenalty=\@M
617   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
618 \if@titlepage
619   \renewenvironment{abstract}{%
620     \titlepage
621     \null\vfil
622     \section*{\SectFont\abstractname}

```



```

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

```



```

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

```



```

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

```



```

773 \global\let\maketitle\relax
774 \global\let\@thanks\@empty
775 \global\let\@author\@empty
776 \global\let\@title\@empty
777 \global\let\@date\@empty
778 \global\let\title\relax
779 \global\let\author\relax
780 \global\let\date\relax
781 \global\let\and\relax
782 }
783 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
784 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
785 \futurelet\@tempa\uc@ax}
786 \def\uc@ax{%
787 \ifx\@tempa\relax
788 \else
789 \ \andname \ \expandafter\uc@authornothanks
790 \fi}
791 \def\uc@tx{\ifx\@tempa\relax
792 \else \expandafter\uc@ty \fi}
793 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
794 \else
795 \renewcommand*\maketitle{\par
796 \begingroup
797 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
798 \def\@makefnmark{\rlap{%
799 \@textsuperscript{\normalfont\@thefnmark}}}%
800 \long\def\@makefntext{\@xmakefntext{%
801 \@textsuperscript{\normalfont\@thefnmark}}}%
802 \if@twocolumn
803 \ifnum \col@number=\@ne
804 \@maketitle
805 \else
806 \twocolumn[\@maketitle]%
807 \fi
808 \else
809 \newpage
810 \global\@topnum\z@
811 \@maketitle
812 \fi
813 \thispagestyle{plain}\@thanks
814 \endgroup
815 \setcounter{footnote}{0}%
816 \global\let\thanks\relax
817 \global\let\maketitle\relax
818 \global\let\@maketitle\relax
819 \global\let\@thanks\@empty
820 \global\let\@author\@empty
821 \global\let\@title\@empty
822 \global\let\@date\@empty

```



```

823 \global\let\title\relax
824 \global\let\author\relax
825 \global\let\date\relax
826 \global\let\and\relax
827 }
828 \def\@maketitle{%
829 \newpage
830 \null
831 \vskip 2em%
832 \begin{center}%
833 \let \footnote \thanks
834 {\LARGE \TitleFont \@title \par}%
835 \vskip 1.5em%
836 {\large \TitleFont
837 \lineskip .5em%
838 \begin{tabular}[t]{c}%
839 \@author
840 \end{tabular}\par}%
841 \vskip 1em%
842 {\large \TitleFont \@date}%
843 \end{center}%
844 \par
845 \vskip 1.5em}
846 \fi

```

11 File artikel2-xetex-bidi.def

```

847 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class for
848 \renewenvironment{theindex}{%
849 \if@twocolumn
850 \@restonecolfalse
851 \else
852 \@restonecoltrue
853 \fi
854 \columnseprule \z@
855 \columnsep 35\p@
856 \twocolumn[\section*{\indexname}]%
857 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
858 \thispagestyle{plain}\parindent\z@
859 \parskip\z@ \@plus .3\p@\relax
860 \let\item\@idxitem
861 }{%
862 \if@restonecol\onecolumn\else\clearpage\fi}
863 \renewcommand*\@regtocline[3]{%
864 \ifnum #1>\c@tocdepth
865 \else
866 \vskip\z@ \@plus .2\p@
867 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
868 \if@RTL\righskip\else\leftskip\fi\unitindent
869 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil

```



```

870 \parfillskip\z@
871 \@tempdima\unitindent
872 \advance\@tempdima by \othermargin
873 \parindent\z@
874 \leavevmode
875 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
876 \hskip 1em \nobreak{\slshape #3}\par
877 }%
878 \fi}
879 \if@oldtoc
880 \renewcommand*\l@section[2]{%
881 \addpenalty\@secpenalty
882 \addvspace{1.0em \@plus\p@}%
883 \setlength\@tempdima{1.5em}%
884 \begingroup
885 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
886 \parfillskip -\@pnumwidth
887 \leavevmode \bfseries
888 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
889 \hskip -\if@RTL\righskip\else\leftskip\fi
890 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
891 \endgroup}
892 \else
893 \renewcommand*\l@section{\@regtocline{1}}
894 \fi
895 \if@oldtoc
896 \renewcommand*\l@part[2]{%
897 \ifnum \c@tocdepth >-2\relax
898 \addpenalty\@secpenalty
899 \addvspace{2.25em \@plus\p@}%
900 \begingroup
901 \setlength\@tempdima{3em}%
902 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
903 \parfillskip -\@pnumwidth
904 {\leavevmode
905 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
906 \nobreak
907 \if@compatibility
908 \global\@nobreaktrue
909 \everypar{\global\@nobreakfalse\everypar{}}%
910 \fi
911 \endgroup
912 \fi}
913 \else
914 \renewcommand*\l@part{%
915 \ifnum \c@tocdepth >-2\relax
916 \addpenalty\@secpenalty
917 \addvspace{2.25em \@plus \p@}%
918 \@regtocline{0}%
919 \fi}

```



```

920 \fi
921 \renewcommand*\head@style{%
922     \interlinepenalty \@M
923     \hyphenpenalty=\@M \exhyphenpenalty=\@M
924     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
925 \if@titlepage
926     \renewenvironment{abstract}{%
927         \titlepage
928         \null\vfil
929         \section*{\SectFont\abstractname}%
930         \noindent\ignorespaces}
931     {\par\vfil\null\endtitlepage}
932 \else
933     \renewenvironment{abstract}{%
934         \if@twocolumn
935             \section*{\abstractname}%
936         \else
937             \section*{\hskip\unitindent\small\SectFont\abstractname}%
938             \list{}{\setlength\listparindent{\unitindent}%
939                 \setlength\parindent {\z@}%
940                 \setlength\leftmargin {\unitindent}%
941                 \setlength\rightmargin {\unitindent}%
942                 \setlength\parsep {\z@}}%
943             \item[]%
944         \fi}
945     {\if@twocolumn\else\par\endlist\fi}
946 \fi
947 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
948 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
949 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
950 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
951 \renewcommand*\left@footnoterule{%
952     \kern-3\p@
953     \hrule\@width 3\unitindent
954     \kern 2.6\p@
955 }
956 \renewcommand*\right@footnoterule{%
957     \kern-3\p@
958     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
959     \kern 2.6\p@}
960 \renewenvironment{thebibliography}[1]
961     {\section*{\refname}%
962         \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
963         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
964         \bidi@thebibliography@font@hook%
965         \list{\@biblabel{\@arabic\c@enumiv}}%
966             {\settowidth\labelwidth{\@biblabel{#1}}%
967             \leftmargin\labelwidth
968             \advance\leftmargin\labelsep
969             \@openbib@code

```




```

970         \usecounter{enumiv}%
971         \let\p@enumiv\@empty
972         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
973     \sloppy\clubpenalty4000\widowpenalty4000%
974     \sfcode`\.\@m}
975     {\def\@noitemerr
976      {\@latex@warning{Empty `thebibliography' environment}}}%
977     \endlist}
978 \if@titlepage
979 \renewcommand*\TitleFont{\rmfamily}
980 \renewcommand*\maketitle{%
981 \begin{titlepage}%
982     \let\footnotesize\small
983     \let\right@footnoterule\relax
984     \let\left@footnoterule\relax
985     \let\textwidth\footnoterule\relax
986     \let \footnote \thanks
987     \long\def\@makefnmark{\parindent\z@
988         \def\labelitemi{\textendash}\@revlabeltrue
989         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
990     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
991     \if@compatibility\setcounter{page}{0}\fi
992     \null\vfil
993     \vskip 60\p@
994     \begin{center}%
995         \TitleFont
996         {\LARGE \def\{\{\penalty -\@M}
997         \if@allcaps
998             \expandafter\uc@nothanks\@title\thanks\relax
999         \else
1000             \@title
1001             \fi\par}%
1002         \vskip 3em%
1003         {\large
1004             \lineskip .75em \parindent\z@
1005             \begin{tabular}[t]{c}%
1006                 \if@allcaps
1007                     \expandafter\uc@author\@author\and\relax
1008                 \else
1009                     \@author
1010                 \fi
1011             \end{tabular}\par}%
1012         \vskip 1.5em%
1013         {\large
1014             \if@allcaps
1015                 \uppercase\expandafter{\@date}%
1016             \else
1017                 \@date
1018             \fi\par}%
1019         \end{center}\par

```



```

1020 \thanks
1021 \vfil\null
1022 \end{titlepage}%
1023 \setcounter{footnote}{0}%
1024 \global\let\thanks\relax
1025 \global\let\maketitle\relax
1026 \global\let\@thanks\@empty
1027 \global\let\@author\@empty
1028 \global\let\@title\@empty
1029 \global\let\@date\@empty
1030 \global\let\title\relax
1031 \global\let\author\relax
1032 \global\let\date\relax
1033 \global\let\and\relax
1034 }
1035 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1036 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1037 \futurelet\@tempa\uc@ax}
1038 \def\uc@ax{%
1039 \ifx\@tempa\relax
1040 \else
1041 \\\andname \\\expandafter\uc@authornothanks
1042 \fi}
1043 \def\uc@tx{\ifx\@tempa\relax
1044 \else \expandafter\uc@ty \fi}
1045 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1046 \else
1047 \renewcommand*\maketitle{\par
1048 \begingroup
1049 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1050 \long\def\@makefntext##1{\parindent\z@
1051 \def\labelitemi{\textendash}%
1052 \leavevmode\hb@xt@.5\unitindent{%
1053 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1054 \if@twocolumn
1055 \ifnum \col@number=\@ne
1056 \@maketitle
1057 \else
1058 \twocolumn[\@maketitle]%
1059 \fi
1060 \else
1061 \newpage
1062 \global\@topnum\z@
1063 \@maketitle
1064 \fi
1065 \thispagestyle{plain}\@thanks
1066 \endgroup
1067 \setcounter{footnote}{0}%
1068 \global\let\thanks\relax
1069 \global\let\maketitle\relax

```



```

1070 \global\let\@maketitle\relax
1071 \global\let\@thanks\@empty
1072 \global\let\@author\@empty
1073 \global\let\@title\@empty
1074 \global\let\@date\@empty
1075 \global\let\title\relax
1076 \global\let\author\relax
1077 \global\let\date\relax
1078 \global\let\and\relax
1079 }
1080 \def\@maketitle{%
1081 \newpage
1082 \null
1083 \vskip 2em%
1084 \begin{center}%
1085 \let \footnote \thanks
1086 {\LARGE \TitleFont \@title \par}%
1087 \vskip 1.5em%
1088 {\large \TitleFont
1089 \lineskip .5em%
1090 \begin{tabular}[t]{c}%
1091 \@author
1092 \end{tabular}\par}%
1093 \vskip 1em%
1094 {\large \TitleFont \@date}%
1095 \end{center}%
1096 \par
1097 \vskip 1.5em}
1098 \fi

```

12 File artikel3-xetex-bidi.def

```

1099 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class for
1100 \renewenvironment{theindex}{%
1101 \if@twocolumn
1102 \@restonecolfalse
1103 \else
1104 \@restonecoltrue
1105 \fi
1106 \columnseprule \z@
1107 \columnsep 35\p@
1108 \twocolumn[\section*{\indexname}]%
1109 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1110 \thispagestyle{plain}\parindent\z@
1111 \parskip\z@ \@plus .3\p@\relax
1112 \let\item\@idxitem
1113 }{%
1114 \if@restonecol\onecolumn\else\clearpage\fi}
1115 \renewcommand*{\head@style}{%
1116 \interlinepenalty \@M

```



```

1117 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1118 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1119 \renewcommand*\@regtocline[3]{%
1120 \ifnum #1>\c@tocdepth
1121 \else
1122 \vskip\z@\@plus.2\p@
1123 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1124 \if@RTL\rightskip\else\leftskip\fi\unitindent
1125 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1126 \parfillskip\z@
1127 \@tempdima\unitindent
1128 \parindent\z@
1129 \leavevmode
1130 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1131 \hskip 1em \nobreak{\slshape #3}\par
1132 }%
1133 \fi}
1134 \if@oldtoc
1135 \renewcommand*\l@part[2]{%
1136 \ifnum \c@tocdepth >-2\relax
1137 \addpenalty\@secpenalty
1138 \addvspace{2.25em \@plus\p@}%
1139 \begingroup
1140 \setlength\@tempdima{3em}%
1141 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1142 \parfillskip -\@pnumwidth
1143 {\leavevmode
1144 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1145 \nobreak
1146 \if@compatibility
1147 \global\@nobreaktrue
1148 \everypar{\global\@nobreakfalse\everypar{}}%
1149 \fi
1150 \endgroup
1151 \fi}
1152 \else
1153 \renewcommand*\l@part{%
1154 \ifnum \c@tocdepth >-2\relax
1155 \addpenalty\@secpenalty
1156 \addvspace{2.25em \@plus \p@}%
1157 \@regtocline{0}%
1158 \fi}
1159 \fi
1160
1161 \if@oldtoc
1162 \renewcommand*\l@section[2]{%
1163 \addpenalty\@secpenalty
1164 \addvspace{1.0em \@plus\p@}%
1165 \setlength\@tempdima{1.5em}%
1166 \begingroup

```



```

1167 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1168 \parfillskip -\@pnumwidth
1169 \leavevmode \bfseries
1170 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1171 \hskip -\if@RTL\rightskip\else\leftskip\fi
1172 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1173 \endgroup}
1174 \else
1175 \renewcommand*\l@section{\@regtocline{1}}
1176 \fi
1177 \if@titlepage
1178 \renewenvironment{abstract}{%
1179 \titlepage
1180 \null\vfil
1181 \section*{\SectFont\abstractname}%
1182 \noindent\ignorespaces}
1183 {\par\vfil\null\endtitlepage}
1184 \else
1185 \renewenvironment{abstract}{%
1186 \if@twocolumn
1187 \section*{\abstractname}%
1188 \else
1189 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1190 \section*{\small\SectFont\abstractname}%
1191 \noindent\ignorespaces
1192 \fi}
1193 {\if@twocolumn\else\par\egroup\fi}
1194 \fi
1195 \renewcommand*\left@footnoterule{%
1196 \kern-3\p@
1197 \kern.5\baselineskip
1198 \hrule\@width\unitindent
1199 \kern.4\baselineskip
1200 }
1201 \renewcommand*\right@footnoterule{%
1202 \kern-3\p@
1203 \kern.5\baselineskip
1204 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1205 \kern.4\baselineskip}
1206 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1207 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1208 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1209 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1210 \renewenvironment{thebibliography}[1]
1211 {\section*{\refname}%
1212 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1213 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1214 \bidi@@thebibliography@font@hook%
1215 \list{\@biblabel{\@arabic\c@enumiv}}%
1216 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

1217         \leftmargin\labelwidth
1218         \advance\leftmargin\labelsep
1219         \@openbib@code
1220         \usecounter{enumiv}%
1221         \let\p@enumiv\@empty
1222         \renewcommand*{\theenumiv}{\@arabic\c@enumiv}}}%
1223     \sloppy\clubpenalty4000\widowpenalty4000%
1224     \sfcode`\.\@m}
1225     {\def\@noitemerr
1226       {\@latex@warning{Empty `thebibliography' environment}}}%
1227     \endlist}
1228 \if@titlepage
1229 \renewcommand*{\TitleFont}{\rmfamily}
1230 \renewcommand*{\maketitle}{%
1231   \begin{titlepage}%
1232     \let\footnotesize\small
1233     \let\right@footnoterule\relax
1234     \let\left@footnoterule\relax
1235     \let\textwidth\footnoterule\relax
1236     \let \footnote \thanks
1237     \long\def\@makefnmark##1{\parindent\z@
1238       \def\labelitemi{\textendash}\@revlabeltrue
1239       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1240     \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
1241     \if@compatibility\setcounter{page}{0}\fi
1242     \null\vfil
1243     \vskip 60\p@
1244     \begin{center}%
1245       \TitleFont
1246       {\LARGE \def\\{\penalty -\@M}
1247         \if@allcaps
1248           \expandafter\uc@nothanks\@title\thanks\relax
1249         \else
1250           \@title
1251         \fi\par}%
1252     \vskip 3em%
1253     {\large
1254       \lineskip .75em \parindent\z@
1255       \begin{tabular}[t]{c}%
1256         \if@allcaps
1257           \expandafter\uc@authornothanks\@author\and\relax
1258         \else
1259           \@author
1260         \fi
1261       \end{tabular}\par}%
1262     \vskip 1.5em%
1263     {\large
1264       \if@allcaps
1265         \uppercase\expandafter{\@date}%
1266       \else

```



```

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

```



```

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

```

13 File arydshln-xetex-bidi.def

```

1359 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1360 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1361 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1362 \expandafter\let\csname endtabular*\endcsname\endtabular
1363 \let\adl@array\@array

```




```

1364 \def\@array{\adl@everyvbox\everyvbox
1365         \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1366         \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1367         \let\adl@noalign\noalign
1368         \adl@array}
1369 \ifadl@usingarypkg
1370 \def\@testpach{\@chclass
1371 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1372 \ifnum \@lastchclass=7 5 \else
1373 \ifnum \@lastchclass=8 \tw@ \else
1374 \ifnum \@lastchclass=9 \thr@@
1375 \else \z@
1376 \ifnum \@lastchclass = 10 \else
1377 \edef\@nextchar{\expandafter\string\@nextchar}%
1378 \@chnum
1379 \if \@nextchar c\z@ \else
1380 \if \@nextchar \ifRTLT@ r\else l\fi\@ne \else
1381 \if \@nextchar \ifRTLT@ l\else r\fi\tw@ \else
1382 \z@ \@chclass
1383 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1384 \if \@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1385 \if \@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1386 \if \@nextchar !6 \else
1387 \if \@nextchar @7 \else
1388 \if \@nextchar <8 \else
1389 \if \@nextchar >9 \else
1390 10
1391 \@chnum
1392 \if \@nextchar m\thr@@\else
1393 \if \@nextchar p4 \else
1394 \if \@nextchar b5 \else
1395 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1396 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1397
1398 \def\@classz{\@classx
1399 \@tempcnta \count@
1400 \prepnext@tok
1401 \@addtopreamble{\ifcase \@chnum
1402 \hfil
1403 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1404 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1405 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1406 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1407 \adl@endmbox\or
1408 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1409 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1410 \fi}\prepnext@tok}
1411 \def\adl@classstart{4}
1412 \def\adl@class@iiiorvii{7}
1413

```



```

1414 \else
1415 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1416 \ifnum \@lastchclass=\thr@@ 5\relax \else
1417 \z@ \if #1c\@chnum \z@ \else
1418 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1419 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1420 \@chclass
1421 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1422 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1423 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1424 \if #1@\tw@ \else
1425 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1426 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1427
1428 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1429 \or \or \@addamp \or
1430 \@acolampacol \or \@firststampfalse \@acol \fi
1431 \edef\@preamble{\@preamble
1432 \ifcase \@chnum
1433 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1434 \or \adl@putlrc{\$relax\@sharp$}\hfil
1435 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1436 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1437 \or \or \@addamp \or
1438 \@acolampacol \or \@firststampfalse \@acol \fi
1439 \edef\@preamble{\@preamble
1440 \ifcase \@chnum
1441 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1442 \or \adl@putlrc{\@sharp\unskip}\hfil
1443 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1444 \def\adl@class@start{6}
1445 \def\adl@class@iiiorvii{3}
1446 \fi
1447 \ifpackageloaded{colortbl}{%
1448 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1449 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1450 \let\@endpbox\adl@org@endpbox}
1451 \let\adl@CT@setup\CT@setup
1452 \def\CT@setup{\adl@CT@setup
1453 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1454 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1455 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1456 \let\adl@act@CT@setup\CT@setup
1457 \def\@classz{\@classx
1458 \@tempcnta\count@ \prepnext@tok
1459 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1460 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1461 \expandafter\adl@extract@drsc
1462 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1463 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil

```



```

1464 \addtopreamble{\if@RTL\beginL\fi%
1465 \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1466 \ifcase \@chnum
1467 \hskip\stretch{.5}\kern\z@
1468 \d@llarbegin
1469 \insert@column
1470 \d@llarend\hskip\stretch{.5}%
1471 \or \d@llarbegin \insert@column \d@llarend \hfill
1472 \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1473 \or $\vcenter
1474 \startpbox{\@nextchar}\insert@column \endpbox $%
1475 \or \vtop \startpbox{\@nextchar}\insert@column \endpbox
1476 \or \vbox \startpbox{\@nextchar}\insert@column \endpbox
1477 \fi
1478 \if@RTL\endR\fi\egroup\egroup
1479 \begingroup
1480 \CT@setup
1481 \CT@column@color
1482 \CT@row@color
1483 \CT@cell@color
1484 \CT@do@color
1485 \endgroup
1486 \@tempdima\ht\z@
1487 \advance\@tempdima\minrowclearance
1488 \vrule\@height\@tempdima\@width\z@
1489 \unhbox\z@\if@RTL\endL\fi}%
1490 \prepnext@tok}
1491 \let\adl@act@classz\@classz
1492 \let\adl@org@classz\@classz
1493 }{}

```

14 File bidi.sty

```

1494 \NeedsTeXFormat{LaTeX2e}
1495 \def\bididate{2018/09/21}
1496 \def\bidiversion{33.4}
1497 \ProvidesPackage{bidi}[\bididate\space v\bidiversion\space
1498 Bidirectional typesetting in plain TeX and LaTeX]
1499 \edef\@bidi@info{*****^^J%
1500 * ^^J%
1501 * bidi package (Bidirectional typesetting in^^J%
1502 * plain TeX and LaTeX, using XeTeX engine)^^J%
1503 * ^^J%
1504 * Description: A convenient interface for^^J%
1505 * typesetting bidirectional texts in plain TeX^^J%
1506 * and LaTeX. The package includes adaptations^^J%
1507 * for use with many other commonly-used packages.^^J%
1508 * ^^J%
1509 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1510 * ^^J%

```



```

1511 * v\bidi@version, \bididate^^J%
1512 * ^^J%
1513 * License: LaTeX Project Public License, version^^J%
1514 * 1.3c or higher (your choice)^^J%
1515 * ^^J%
1516 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1517 * ^^J%
1518 * Issue tracker: https://sourceforge.net/p/persian-tex-dist/tickets^^J%
1519 * ^^J%
1520 * Support: https://lists.sourceforge.net/lists/listinfo/persian-tex-dist-discuss^^J%
1521 * ^^J%
1522 *****}
1523 \typeout{\@bidi@info}
1524 \edef\bidi@everyjob{\the\everyjob}
1525 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1526 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
1527 \newcommand*{\IfbidiPackageVersionLater}[1]{%
1528   \ifdim\bidi@version pt > #1 pt %
1529     \expandafter\@firstoftwo
1530   \else
1531     \expandafter\@secondoftwo
1532   \fi}
1533 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
1534   \ifdim\bidi@version pt < #1 pt %
1535     \expandafter\@firstoftwo
1536   \else
1537     \expandafter\@secondoftwo
1538   \fi}
1539 \newcommand*{\IfbidiPackageVersion}[1]{%
1540   \ifdim\bidi@version pt = #1 pt %
1541     \expandafter\@firstoftwo
1542   \else
1543     \expandafter\@secondoftwo
1544   \fi}
1545 \RequirePackage{iftex}
1546 \RequireXeTeX
1547 \RequirePackage{bidiutils}
1548 \RequirePackage{zref-abspage}
1549 \RequirePackage{auxhook}
1550 \RequirePackage{ltxcmds}
1551 \RequirePackage{xkeyval}
1552 \eqnewif{\if@RTLmain}{\if@rlmain}
1553 \eqnewif{\if@RTL}{\if@rl}
1554 \newif\if@nonlatin
1555 \newcommand*{\setlatin}{\@nonlatinfalse}
1556 \newcommand*{\setnonlatin}{\@nonlatintrue}
1557 \eqnewif{\if@RTLtab}{\if@tab@rl}
1558 \newif\if@hboxRconstruct
1559 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1560 \newcommand*{\setLTRtable}{\@RTLtabfalse}

```



```

1561 \newif\if@bidi@pdfm@mark
1562 \newif\if@RTLmarginpar
1563 \newif\if@LTRmarginpar
1564 \newif\if@LTRbibitems
1565 \newif\if@RTLbibitems
1566 \newif\if@extrafootnotefeatures
1567 \newif\if@parafootRTL
1568 \newif\if@RTLcolumnfootnotes
1569 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1570 \newif\if@bidi@list@minipage@parbox
1571 \newif\if@bidi@list@minipage@parbox@not@nob
1572 \newcommand*{\@bidi@pdfcreator}{%
1573   The bidi package, v\@bidi@version, \@bidi@date
1574 }
1575 \newcommand*{\@bidi@pdfproducer}{%
1576   The bidi package, v\@bidi@version, \@bidi@date
1577 }
1578 \newcommand*{\@bidi@pdfcustomproperties}{%
1579   This is the bidi package, Version \@bidi@version,
1580   Released September 21, 2018.
1581 }
1582 \@RTLmainfalse
1583 \AtBeginDocument{%
1584   \if@RTLmain\else
1585     \if@RTL\@RTLmaintrue%
1586     \else\@RTLmainfalse%
1587     \fi%
1588   \fi%
1589 }
1590 \let\n@xt=
1591 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1592 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1593 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1594 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1595 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1596   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1597 \newinsert\@bidi@copyins@
1598 \skip\@bidi@copyins@=12\p@
1599 \dimen\@bidi@copyins@=40pc
1600 \count\@bidi@copyins@=1000
1601 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1602 \newcommand*{\@bidi@logo@hb@xt@}{%
1603   \if@RTLmain
1604     \hboxR to
1605   \else
1606     \hboxL to
1607   \fi
1608 }
1609 \newcommand*{\@bidi@logo}[1]{%
1610   \toks@{%

```



```

1611 \setbox\z@\hbox{%
1612 \special{%
1613 pdf:image width 50pt height 50pt (#1)%
1614 }
1615 }%
1616 \dp\z@\z@
1617 \ht\z@=50pt
1618 \wd\z@=50pt
1619 \beginL
1620 \lower20pt\box\z@
1621 \endL
1622 }%
1623 \the\toks@
1624 }
1625 \newcommand*{\@bidi@logo@}{\@bidi@logo@hb@xt@\textwidth{\hss\LRE{\bfseries Typeset by the \tex
1626 \define@key{bidi@pdfencrypt}{userpassword}[]{}%
1627 \def\bidi@pdfencrypt@userpassword{#1}%
1628 }
1629 \define@key{bidi@pdfencrypt}{ownerpassword}[]{}%
1630 \def\bidi@pdfencrypt@ownerpassword{#1}%
1631 }
1632 \define@key{bidi@pdfencrypt}{keylength}[128]{}%
1633 \def\bidi@pdfencrypt@keylength{#1}%
1634 }
1635 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{}%
1636 \def\bidi@pdfencrypt@permissionflags{#1}%
1637 }
1638 \newcommand*{\pdfencryptsetup}{\setkeys{bidi@pdfencrypt}}
1639 \input{latex-xetex-bidi.def}
1640 \input{loadingorder-xetex-bidi.def}
1641 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{}%
1642 \ifcase\bidi@tempb\relax
1643 \RTLtrue
1644 \or
1645 \RTLfalse
1646 \fi}
1647 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1648 \ifcase\bidi@tempb\relax
1649 \RTLtrue
1650 \or
1651 \RTLfalse
1652 \fi}
1653 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1654 \ifcase\bidi@tempb\relax
1655 \RTLtabtrue
1656 \or
1657 \RTLtabfalse
1658 \fi}
1659 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{}%
1660 \ifcase\bidi@tempb\relax

```



```

1661 \nonlatinfalse
1662 \or
1663 \nonlatintrue
1664 \fi}
1665 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1666 \ifcase\bidi@tempb\relax
1667 \RTLtrue
1668 \or
1669 \RTLfalse
1670 \fi}
1671 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,%
1672 \ifcase\bidi@tempb\relax
1673 \autofootnoterule
1674 \or
1675 \leftfootnoterule
1676 \or
1677 \rightfootnoterule
1678 \or
1679 \SplitFootnoteRule
1680 \or
1681 \textwidthfootnoterule
1682 \fi}
1683 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,leffttright,%
1684 \ifcase\bidi@tempb\relax
1685 \RTL@footnotetrue
1686 \or
1687 \RTL@footnotefalse
1688 \fi}
1689 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1690 \ifcase\bidi@tempb\relax
1691 \footdir@debugtrue
1692 \or
1693 \footdir@debugfalse
1694 \fi}
1695 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1696 \ifcase\bidi@tempb\relax
1697 \@extrafootnotefeaturestrue
1698 \or
1699 \@extrafootnotefeaturesfalse
1700 \fi}
1701
1702 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1703 \ifcase\bidi@tempb\relax
1704 \def\bidi@firstcolumn@status@write{%
1705 \protected@write\@auxout{%
1706 \string\bidi@column@status
1707 {1}}}%
1708 \def\bidi@lastcolumn@status@write{%
1709 \protected@write\@auxout{%
1710 \string\bidi@column@status{2}}}%

```



```

1711 \or
1712 \let\bidifirstcolumn@status@write\relax
1713 \let\bidilastcolumn@status@write\relax
1714 \fi}
1715
1716 \define@choicekey{bidi.sty}{logo}{\bidi@tempa\bidi@tempb}{on,off}[on]{%
1717 \ifcase\bidi@tempb\relax
1718 \AtBeginDocument{\@bidi@inslogo@}%
1719 \or
1720 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
1721 \fi}
1722
1723 \define@choicekey{bidi.sty}{pdfinfo}{\bidi@tempa\bidi@tempb}{on,off}[on]{%
1724 \ifcase\bidi@tempb\relax
1725 \bidi@pdfm@marktrue
1726 \or
1727 \bidi@pdfm@markfalse
1728 \fi}
1729
1730 \ExecuteOptionsX{%
1731 DetectColumn=off%
1732 }
1733
1734 \ProcessOptionsX
1735
1736 \pdfencryptsetup{%
1737 userpassword,%
1738 ownerpassword,%
1739 keylength,%
1740 permissionflags%
1741 }
1742
1743 \if@extrafootnote@features
1744 \input{extrafootnote@features-xetex-bidi.def}
1745 \fi
1746 \newcount\bidi@digits
1747 \XeTeXinterchartokenstate=\@one
1748 \newXeTeXintercharclass\bidi@digits@charclass
1749 \newXeTeXintercharclass\bidi@sepmark@charclass
1750 \XeTeXcharclass \bidi@sepmark@charclass
1751 \XeTeXcharclass \bidi@sepmark@charclass
1752 \bidi@digits=\0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1753 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1754 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterChar
1755 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
1756 \AtEndDocument{%
1757 \special{pdf:encrypt
1758 userpw (\bidi@pdfencrypt@userpassword)
1759 ownerpw (\bidi@pdfencrypt@ownerpassword)
1760 length \bidi@pdfencrypt@keylength

```




```

1761   perm \bidi@pdfencrypt@permissionflags
1762 }%
1763 \special{pdf:%
1764   docinfo<<%
1765   \if@bidi@pdfm@mark
1766     /Creator(\@bidi@pdfcreator)%
1767     /Producer(\@bidi@pdfproducer)%
1768   \fi
1769   /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1770   \if@bidi@csdef{xepersian@pdfcustomproperties}{%
1771     /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
1772   }{}%
1773   >>%
1774 }%
1775 }

```

15 File bidi.tex

```

1776 \def\bididate{2018/09/21}
1777 \catcode`\@=11
1778 \def\bidi@version{33.4}
1779 \let \protect \relax
1780 \newlinechar`\^^J
1781 \edef\@bidi@info{*****^^J%
1782 * ^^J%
1783 * bidi package (Bidirectional typesetting in^^J%
1784 * plain TeX and LaTeX, using XeTeX engine)^^J%
1785 * ^^J%
1786 * Description: A convenient interface for^^J%
1787 * typesetting bidirectional texts in plain TeX^^J%
1788 * and LaTeX. The package includes adaptations^^J%
1789 * for use with many other commonly-used packages.^^J%
1790 * ^^J%
1791 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1792 * ^^J%
1793 * v\bidi@version, \bididate^^J%
1794 * ^^J%
1795 * License: LaTeX Project Public License, version^^J%
1796 * 1.3c or higher (your choice)^^J%
1797 * ^^J%
1798 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1799 * ^^J%
1800 * Issue tracker: https://sourceforge.net/p/persian-tex-dist/tickets^^J%
1801 * ^^J%
1802 * Support: https://lists.sourceforge.net/lists/listinfo/persian-tex-dist-discuss^^J%
1803 * ^^J%
1804 *****}
1805 \message{\@bidi@info}
1806 \edef\bidi@everyjob{the\everyjob}
1807 \everyjob{\bidi@everyjob\message{\@bidi@info}}

```



```

1808 \def\bidiversion{%
1809   \relax
1810   \ifmmode
1811     \bidi@version
1812   \else
1813     $\bidi@version$
1814   \fi
1815 }
1816 \input iftex.sty
1817 \RequireXeTeX
1818 \newif\if@bidi@pdfm@mark
1819 \newif\if@RTLmain
1820 \newif\if@RTL
1821 \newif\if@hboxRconstruct
1822 \newif\if@sentedir
1823 \newif\if@RTL@footnote
1824 \@RTLmainfalse
1825 \def\setRTLmain{%
1826   \if@RTLmain\else
1827     \if@RTL\@RTLmaintrue%
1828     \else\@RTLmainfalse%
1829   \fi%
1830 \fi%
1831 }
1832 \let\n@xt=\
1833 \protected\def\LRE{\protect\pLRE}%
1834 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1835 \protected\def\RLE{\protect\pRLE}
1836 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1837 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1838   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1839 \newinsert\@bidi@copyins@
1840 \skip\@bidi@copyins@=12\p@
1841 \dimen\@bidi@copyins@=40pc
1842 \count\@bidi@copyins@=1000
1843 \def\@bidi@inslogo@{\insert\@bidi@copyins@{\@bidi@logo@}}
1844 \def\@bidi@logo@hb@xt@{%
1845   \if@RTLmain
1846     \hboxR to
1847   \else
1848     \hboxL to
1849   \fi
1850 }
1851 \def\@bidi@logo#1{%
1852   \toks@{%
1853     \setbox\z@\hbox{%
1854       \special{%
1855         pdf:image width 50pt height 50pt (#1)%
1856       }
1857     }%

```



```

1858 \dp\z@\z@
1859 \ht\z@=50pt
1860 \wd\z@=50pt
1861 \beginL
1862 \lower20pt\box\z@
1863 \endL
1864 }%
1865 \the\toks@
1866 }
1867 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@
1868 \def\nobidilogo{\let\@bidi@logo@\empty\let\@bidi@inslogo@\empty}
1869 \def\@bidi@pdfcreator{%
1870 The bidi package, v\@bidi@version, \@bidi@date
1871 }
1872 \def\@bidi@pdfproducer{%
1873 The bidi package, v\@bidi@version, \@bidi@date
1874 }
1875 \def\@bidi@pdfcustomproperties{%
1876 This is the bidi package, Version \@bidi@version,
1877 Released September 21, 2018.
1878 }
1879 \def\@bidi@pdfm@mark{%
1880 \special{pdf:
1881 docinfo<<%
1882 \if\@bidi@pdfm@mark
1883 /Creator(\@bidi@pdfcreator)%
1884 /Producer(\@bidi@pdfproducer)%
1885 \fi
1886 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1887 >>%
1888 }%
1889 }
1890 \def\@bidi@pdfinfoon{\@bidi@pdfm@marktrue}
1891 \def\@bidi@pdfinfooff{\@bidi@pdfm@markfalse}
1892 \input plain-xetex-bidi.def
1893 \@bidi@inslogo@
1894 \outer\def\bye{\par\vfill\supereject\@bidi@pdfm@mark\end}
1895 \catcode`\@=12
1896 \@bidi@pdfinfoon

```

16 File bidi2in1.sty

```

1897 \NeedsTeXFormat{LaTeX2e}
1898 \ProvidesPackage{bidi2in1}
1899 \pagestyle{plain}
1900 \newcount\evenpage
1901 \newcount\oddpage
1902 \twocolumn
1903 \def\@oddfoot{\evenpage=\thepage%
1904 \multiply\evenpage by 2%

```



```

1905 \oddpaper=\the\evenpage%
1906 \advance\oddpaper by -1%
1907 \hfil\the\evenpage\hfil\hfil\the\oddpaper\hfil}%
1908 \def\@evenfoot{\evenpage=\thepage%
1909 \multiply\evenpage by 2%
1910 \oddpaper=\the\evenpage%
1911 \advance\oddpaper by -1%
1912 \hfil\the\oddpaper\hfil\hfil\the\evenpage\hfil}%
1913 \textwidth 9.49in
1914 \textheight 6.7in
1915 \columnsep 0.9in
1916 \columnseprule 0.125pt
1917 \headheight 0cm
1918 \topmargin 0in
1919 \marginparwidth 0in
1920 \marginparsep 0in
1921 \hoffset 0.05in % Corrected
1922 \voffset -0.5in %top margin space is 1.0in by default
1923 \oddsidemargin 0in
1924 \evensidemargin 0in
1925 \headsep 0cm
1926 \topskip 0cm
1927 \parskip 0.15in %
1928 \headsep 0pt
1929 \special{papersize=11.69in,8.26in}
1930 \renewcommand\maketitle{\par
1931 \begingroup
1932 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1933 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1934 \long\def\@makeintext##1{\parindent 1em\noindent
1935 \hb@xt@1.8em{%
1936 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1937 \@maketitle
1938 \@thanks
1939 \endgroup
1940 \setcounter{footnote}{0}%
1941 \global\let\thanks\relax
1942 \global\let\maketitle\relax
1943 \global\let\@maketitle\relax
1944 \global\let\@thanks\@empty
1945 \global\let\@author\@empty
1946 \global\let\@date\@empty
1947 \global\let\@title\@empty
1948 \global\let\title\relax
1949 \global\let\author\relax
1950 \global\let\date\relax
1951 \global\let\and\relax
1952 }

```



17 File bidicode.sty

```
1953 \NeedsTeXFormat{LaTeX2e}
1954 \ProvidesPackage{bidicode}
1955 \RequirePackage{xcolor}
1956 \RequirePackage{showexpl}
1957 \definecolor{hellgelb}{rgb}{1,1,0.85}
1958 \definecolor{colKeys}{rgb}{0,0,1}
1959 \definecolor{colIdentifier}{rgb}{0,0,0}
1960 \definecolor{colComments}{rgb}{1,0,0}
1961 \definecolor{colString}{rgb}{0,0.5,0}
1962 \lstset{
1963     language=[LaTeX]TEX,
1964     float=hb,
1965     basicstyle=\ttfamily\small,
1966     identifierstyle=\color{colIdentifier},
1967     keywordstyle=\color{colKeys},
1968     stringstyle=\color{colString},
1969     commentstyle=\color{colComments},
1970     backgroundcolor=\color{hellgelb},
1971     columns=flexible,
1972     tabsize=4,
1973     extendedchars=true,
1974     showspaces=false,
1975     showstringspaces=false,
1976     numbers=left,
1977     numbersep=0.9em,
1978     numberstyle=\tiny, %
1979     frame=single,
1980     captionpos=b,
1981     xleftmargin=1em,
1982     breaklines=true,
1983     breakautoindent=false,
1984     breakindent=0pt,
1985     escapeinside=**,
1986     pos=r,
1987     explpreset={%
1988     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1989     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1990 }
1991 \newcommand\HLON{%
1992     \gdef\lst@alloverstyle##1{%
1993         \fboxrule=0pt
1994         \fboxsep=0pt
1995         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1996     }}
1997 \newcommand\HLOFF{%
1998     \xdef\lst@alloverstyle##1{##1}%
1999 }
2000 \newcommand\Larg [1]{\{\normalfont\itshape#1\}}
```



```

2001 \newcommand\Larga[1]{\langle\Larg{#1}\rangle$}
2002 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2003 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2004 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
2005 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
2006 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
2007
2008 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
2009 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`\{}}
2010 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`\}}
2011 \DeclareRobustCommand\lsb{\normalfont\ttfamily[{}]}
2012 \DeclareRobustCommand\rsb{\normalfont\ttfamily[]]}
2013 \DeclareRobustCommand\lrb{\normalfont\ttfamily({)}}
2014 \DeclareRobustCommand\rrb{\normalfont\ttfamily)})}
2015
2016 \def\Lcs#1{\nxLcs{#1}}
2017 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2018 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2019
2020 \def\Coordx#1{$x_{#1}$}
2021 \def\Coordy#1{$y_{#1}$}
2022 \def\Coordz#1{$z_{#1}$}
2023 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2024 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2025 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2026 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
2027 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2028 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2029 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2030 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2031 \def\coordx#1{($x_{#1}$)}
2032 \def\coordy#1{($y_{#1}$)}
2033 \def\coordz#1{($z_{#1}$)}
2034 \def\cAny{(\Coordx{},\kern 1pt\Coordy{)}}
2035 \def\ciiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{)}}
2036
2037 \newsavebox{\boxdef}
2038 \newenvironment{BDef}
2039   {\begin{lrbox}\boxdef
2040     \def\arraystretch{1.0}
2041     \begin{tabular}{@{}l@{}l@{}l@{}}
2042   }
2043   {\end{tabular}\end{lrbox}}
2044
2045   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2046   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2047 }
2048
2049 \newenvironment{BDef*}
2050   {\begin{lrbox}\boxdef

```



```

2051 \def\arraystretch{1.0}
2052 \begin{tabular}{@{}l@{}l@{}l@{}}
2053 }
2054 {\end{tabular}\end{lrbox}
2055 {\begin{BCmd*}\fbox{\usebox\boxdef}\end{BCmd*}}
2056 \aftergroup\@afterindentfalse\aftergroup\@afterheading
2057 }
2058 \newenvironment{BCmd*}{
2059 \@beginparpenalty-\@lowpenalty
2060 \topsep\BDefaboveskip
2061 \fboxsep3pt
2062 \flushleft}
2063 {\@endparpenalty\@M
2064 \@topsepadd\BDefbelowskip
2065 \endflushleft}
2066
2067 \newenvironment{BCmd*}{
2068 \@beginparpenalty\@M
2069 \topsep\BDefinlineskip
2070 \fboxsep3pt
2071 \flushleft}
2072 {\@endparpenalty5000
2073 \endflushleft}
2074
2075 \newskip\BDefaboveskip
2076 \newskip\BDefbelowskip
2077 \newskip\BDefinlineskip
2078 \setlength\BDefaboveskip{10pt plus 4pt}
2079 \setlength\BDefbelowskip{6pt}
2080 \setlength\BDefinlineskip{6pt}
2081
2082 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
2083 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2084 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
2085 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

18 File bidiftnxtra.sty

```

2086 \NeedsTeXFormat{LaTeX2e}
2087 \ProvidesPackage{bidiftnxtra}
2088 \newtoks\bidip@ftn
2089 \let\FN@sff@footnote\footnote
2090 \let\FN@sff@LTRfootnote\LTRfootnote
2091 \let\FN@sff@RTLfootnote\RTLfootnote
2092 \def\footnote{\ifx\protect\@typeset@protect
2093 \expandafter\FN@sff@footnote
2094 \else
2095 \expandafter\FN@sff@gobble@opt
2096 \fi
2097 }

```



```

2098 \def\LTRfootnote{\ifx\protect\@typeset@protect
2099   \expandafter\FN@sfi@LTRfootnote
2100   \else
2101   \expandafter\FN@sfi@gobble@opt
2102   \fi
2103 }
2104 \def\RTLfootnote{\ifx\protect\@typeset@protect
2105   \expandafter\FN@sfi@RTLfootnote
2106   \else
2107   \expandafter\FN@sfi@gobble@opt
2108   \fi
2109 }
2110 \edef\FN@sfi@gobble@opt{\noexpand\protect
2111   \expandafter\noexpand\csname FN@sfi@gobble@opt \endcsname}
2112 \expandafter\def\csname FN@sfi@gobble@opt \endcsname{%
2113   \@ifnextchar[%]
2114     \FN@sfi@gobble@twobrace
2115     \@gobble
2116 }
2117 \def\FN@sfi@gobble@twobrace[#1]#2{}
2118 \let\FN@sfi@footnotemark\footnotemark
2119 \def\footnotemark{\ifx\protect\@typeset@protect
2120   \expandafter\FN@sfi@footnotemark
2121   \else
2122   \expandafter\FN@sfi@gobble@optonly
2123   \fi
2124 }
2125 \edef\FN@sfi@gobble@optonly{\noexpand\protect
2126   \expandafter\noexpand\csname FN@sfi@gobble@optonly \endcsname}
2127 \expandafter\def\csname FN@sfi@gobble@optonly \endcsname{%
2128   \@ifnextchar[%]
2129     \FN@sfi@gobble@brace
2130     {}%
2131 }
2132 \def\FN@sfi@gobble@brace[#1]{}
2133 \def\@tabular{%
2134   \leavevmode \hbox \bgroup
2135   \let\@footnotetext\@bidi@p@ftntext
2136   \let\@LTRfootnotetext\@bidi@p@LTRftntext
2137   \let\@RTLfootnotetext\@bidi@p@RTLftntext
2138   \let\@xfootnotenext\@bidi@p@xftntext
2139   \let\@xfootnote\@bidi@p@xfootnote
2140   \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2141   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2142   \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2143   \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2144   \ifRTLtab\beginR \fi
2145   $\let\@acol\@tabacol
2146   \let\@classz\@tabclassz
2147   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}

```




```

2148 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2149         \egroup $\if@RTLtab\endR\fi\egroup
2150         \ifx\@capttype\@undefined
2151         \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2152 \long\def\@bidi@p@ftntext#1{%
2153   \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
2154   \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2155 \long\def\@bidi@p@LTRftntext#1{%
2156   \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2157   \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2158 \long\def\@bidi@p@RTLftntext#1{%
2159   \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2160   \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2161
2162
2163 \long\def\@bidi@p@xftntext[#1]#2{%
2164   \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
2165
2166 \long\def\@bidi@p@xLTRftntext[#1]#2{%
2167   \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
2168
2169 \long\def\@bidi@p@xRTLftntext[#1]#2{%
2170   \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
2171
2172
2173 \def\@bidi@p@xfootnote[#1]{%
2174   \begingroup
2175     \csname c@\@mpfn\endcsname #1\relax
2176     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2177   \endgroup
2178   \@footnotemark\@bidi@p@xftntext[#1]}
2179
2180
2181 \def\@bidi@p@xLTRfootnote[#1]{%
2182   \begingroup
2183     \csname c@\@mpfn\endcsname #1\relax
2184     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2185   \endgroup
2186   \@footnotemark\@bidi@p@xLTRftntext[#1]}
2187
2188
2189 \def\@bidi@p@xRTLfootnote[#1]{%
2190   \begingroup
2191     \csname c@\@mpfn\endcsname #1\relax
2192     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2193   \endgroup
2194   \@footnotemark\@bidi@p@xRTLftntext[#1]}
2195
2196 \def\@xfloat #1[#2]{%
2197   \@nocument

```



```

2198 \def \@capttype {#1}%
2199 \def \@fps {#2}%
2200 \@onelevel@sanitize \@fps
2201 \def \reserved@b {!}%
2202 \ifx \reserved@b \@fps
2203   \fpsaddddefault
2204 \else
2205   \ifx \@fps \@empty
2206     \fpsaddddefault
2207   \fi
2208 \fi
2209 \ifhmode
2210   \bsphack
2211   \@floatpenalty -\@Mii
2212 \else
2213   \@floatpenalty-\@Miii
2214 \fi
2215 \ifinner
2216   \@parmoderr\@floatpenalty\z@
2217 \else
2218   \@next\@currbox\@freelist
2219   {%
2220     \@tempcnta \sixt@@n
2221     \expandafter \@tfor \expandafter \reserved@a
2222     \expandafter :\expandafter =\@fps
2223     \do
2224     {%
2225       \if \reserved@a h%
2226         \ifodd \@tempcnta
2227         \else
2228           \advance \@tempcnta \@ne
2229         \fi
2230       \fi
2231       \if \reserved@a t%
2232         \@setfpsbit \tw@
2233       \fi
2234       \if \reserved@a b%
2235         \@setfpsbit 4%
2236       \fi
2237       \if \reserved@a p%
2238         \@setfpsbit 8%
2239       \fi
2240       \if \reserved@a !%
2241         \ifnum \@tempcnta>15
2242           \advance\@tempcnta -\sixt@@n\relax
2243         \fi
2244       \fi
2245     }%
2246     \@tempcntb \csname ftype@\@capttype \endcsname
2247     \multiply \@tempcntb \@xxxii

```



```

2248      \advance \@tempcnta \@tempcntb
2249      \global \count\@currbox \@tempcnta
2250      }%
2251      \@fltovf
2252 \fi
2253 \global \setbox\@currbox
2254   \color@vbox
2255   \normalcolor
2256   \vbox \bgroup
2257     \let\@footnotetext\bidip@fnttext
2258     \let\@LTRfootnotetext\bidip@LTRfnttext
2259     \let\@RTLfootnotetext\bidip@RTLfnttext
2260     \let\@xfootnotenext\bidip@xftntext
2261     \let\@xfootnote\bidip@xfootnote
2262     \let\@xLTRfootnotenext\bidip@xLTRfnttext
2263     \let\@xLTRfootnote\bidip@xLTRfootnote
2264     \let\@xRTLfootnotenext\bidip@xRTLfnttext
2265     \let\@xRTLfootnote\bidip@xRTLfootnote
2266     \hsize\columnwidth
2267     \@parboxrestore
2268     \@floatboxreset
2269 }
2270 \def \@endfloatbox{%
2271   \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2272   \@minipagefalse
2273   \outer@nobreak
2274   \egroup                %% end of vbox
2275   \global\bidip@ftn\expandafter{\expandafter}\the\bidip@ftn
2276   \color@endbox
2277 }

```

19 File bidimoderncv.cls

```

2278 \NeedsTeXFormat{LaTeX2e}
2279 \ProvidesClass{bidimoderncv}
2280 \newif\if@DEBUG\@DEBUGfalse
2281 \DeclareOption{a4paper}{
2282   \setlength\paperheight{297mm}
2283   \setlength\paperwidth{210mm}}
2284 \DeclareOption{a5paper}{
2285   \setlength\paperheight{210mm}
2286   \setlength\paperwidth{148mm}}
2287 \DeclareOption{b5paper}{
2288   \setlength\paperheight{250mm}
2289   \setlength\paperwidth{176mm}}
2290 \DeclareOption{letterpaper}{
2291   \setlength\paperheight{11in}
2292   \setlength\paperwidth{8.5in}}
2293 \DeclareOption{legalpaper}{
2294   \setlength\paperheight{14in}

```



```

2295 \setlength\paperwidth{8.5in}}
2296 \DeclareOption{executivepaper}{
2297 \setlength\paperheight{10.5in}
2298 \setlength\paperwidth{7.25in}}
2299 \DeclareOption{landscape}{
2300 \setlength\@tempdima{\paperheight}
2301 \setlength\paperheight{\paperwidth}
2302 \setlength\paperwidth{\@tempdima}}
2303 \newcommand\@ptsize{}
2304 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2305 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2306 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2307 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2308 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2309 \newif\if@colour\@colourtrue
2310 \DeclareOption{nocolour}{\@colourfalse}
2311 \ExecuteOptions{a4paper,11pt,colour,final}
2312 \ProcessOptions\relax
2313 \input{size1\@ptsize.clo}
2314 \RequirePackage{color}
2315 \RequirePackage{graphicx}
2316 \RequirePackage{ifthen}
2317 \RequirePackage{marvosym}
2318 \addtolength{\oddsidemargin}{-54pt}
2319 \addtolength{\textwidth}{109pt}
2320 \addtolength{\topmargin}{-70pt}
2321 \addtolength{\textheight}{122pt}
2322 \addtolength{\marginparsep}{-5pt}
2323 \addtolength{\marginparwidth}{-10pt}
2324 \RequirePackage{url}
2325 \RequirePackage{hyperref}
2326 \hypersetup{
2327 breaklinks,
2328 baseurl = http://,%
2329 pdfborder = 0 0 0,%
2330 pdfpagemode = UseNone,%
2331 pdfstartpage = 1}
2332 \AtEndOfClass{
2333 \AtBeginDocument{
2334 \hypersetup{
2335 pdfauthor = \@firstname-\@familyname,%
2336 pdftitle = \@title,%
2337 pdfsubject = \@firstname-\@familyname,%
2338 pdfkeywords = \@resumename-\@firstname-\@familyname}}}
2339 \urlstyle{tt}
2340 \RequirePackage{fancyhdr}
2341 \fancypagestyle{plain}{
2342 \renewcommand{\headrulewidth}{0pt}
2343 \renewcommand{\footrulewidth}{0pt}
2344 \fancyhf{}}

```



```

2345 \pagestyle{plain}
2346 \setlength\lineskip{1\p@}
2347 \setlength\normallineskip{1\p@}
2348 \renewcommand\baselinestretch{}
2349 \setlength{\parindent}{0pt}
2350 \setlength{\parskip}{0pt}
2351 \setlength\columnsep{10\p@}
2352 \setlength\columnseprule{0\p@}
2353 \pagestyle{empty}
2354 \pagenumbering{arabic}
2355 \raggedbottom
2356 \onecolumn
2357 \providecommand*\listitemsymbol{\textbullet}
2358 \providecommand*\addresssymbol{}
2359 \providecommand*\mobilesymbol{\Mobilefone}
2360 \providecommand*\phonesymbol{\Telefon}
2361 \providecommand*\faxsymbol{\FAX}
2362 \providecommand*\emailsymbol{\Letter}
2363 \definecolor{firstnamecolour}{rgb}{0,0,0}
2364 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2365 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2366 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2367 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2368 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2369 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2370 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2371 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2372 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2373 \providecommand*\{firstfont}{\}
2374 \providecommand*\{familyfont}{\}
2375 \providecommand*\{titlefont}{\}
2376 \providecommand*\{addressfont}{\}
2377 \providecommand*\{quotefont}{\}
2378 \providecommand*\{sectionfont}{\}
2379 \providecommand*\{subsectionfont}{\}
2380 \providecommand*\{hintfont}{\small}
2381 \providecommand*\{firstnamestyle}[1]{\{firstfont\@firstnamecolour#1}}
2382 \providecommand*\{familynamestyle}[1]{\{familyfont\@familynamecolour#1}}
2383 \providecommand*\{titlestyle}[1]{\{titlefont\@titlecolour#1}}
2384 \providecommand*\{addresstyle}[1]{\{addressfont\@addresscolour#1}}
2385 \providecommand*\{quotestyle}[1]{\{quotefont\@quotecolour#1}}
2386 \providecommand*\{sectionstyle}[1]{\{sectionfont\@sectiontitlecolour#1}}
2387 \providecommand*\{subsectionstyle}[1]{\{subsectionfont\@subsectioncolour#1}}
2388 \providecommand*\{hintstyle}[1]{\{hintfont\@hintcolour#1}}
2389 \newcommand*\{cvtheme}[2][\{
2390 \def\@cvtheme{#2}
2391 \def\@cvthemeoptions{#1}}
2392 \cvtheme{bidi-casual}
2393 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2394 \newcommand*\{resumename}[1]{\def\@resumename{#1}}

```



```

2395 \newcommand*{\firstname}[1]{\def\@firstname{#1}}
2396 \newcommand*{\familyname}[1]{\def\@familyname{#1}}
2397 \renewcommand*{\title}[1]{\def\@title{#1}}
2398 \newcommand*{\address}[1]{\def\@address{#1}}
2399 \newcommand*{\mobile}[1]{\def\@mobile{#1}}
2400 \newcommand*{\phone}[1]{\def\@phone{#1}}
2401 \renewcommand*{\fax}[1]{\def\@fax{#1}}
2402 \newcommand*{\email}[1]{\def\@email{#1}}
2403 \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
2404 \def\@photowidth{0pt}
2405 \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2406 \newcommand*{\quote}[1]{\def\@quote{#1}}
2407 \newlength{\quotewidth}
2408 \newlength{\hintscolumnwidth}
2409 \newlength{\separatorcolumnwidth}
2410 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2411 \newlength{\maincolumnwidth}
2412 \newlength{\doubleitemmaincolumnwidth}
2413 \newlength{\listitemsymbolwidth}
2414 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
2415 \newlength{\listitemmaincolumnwidth}
2416 \newlength{\listdoubleitemmaincolumnwidth}
2417 \newcommand*{\recomputethemelengths}{}
2418 \newcommand*{\recomputelengths}{%
2419 \setlength{\quotewidth}{0.65\textwidth}%
2420 \setlength{\maincolumnwidth}{\textwidth}%
2421 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2422 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2423 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2424 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2425 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2426 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2427 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2428 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2429 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2430 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2431 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2432 \renewcommand{\headwidth}{\textwidth}%
2433 \recomputethemelengths}
2434 \setlength{\hintscolumnwidth}{0.15\textwidth}
2435 \recomputelengths
2436 \title{}
2437 \renewcommand*{\maketitle}{}
2438 \newcommand*{\section}[1]{%
2439 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2440 \phantomsection}%
2441 \addcontentsline{toc}{part}{#1}%
2442 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}\sectionstyle{#1}}\@lign}
2443 \hspace{\separatorcolumnwidth}%
2444 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\@lign}

```



```

2445 \newcommand*{\subsection}[1]{%
2446   \cvline[0.45em]{\subsectionstyle{#1}}
2447 \newcommand*{\cvline}[3][.25em]{%
2448   \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}}
2449     \bidi@raggedleft\hintfont{#2} &{#3}%
2450   \end{tabular}\}\[1]}
2451 \newcommand*{\cvdoubleitem}[4]{%
2452   \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2453   \hfill%
2454   \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\s
2455 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2456   \cvline[Opt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}
2457 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2458   \cvline[Opt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2459   \hfill%
2460   \ifthenelse{\equal{#3}{}}{
2461     }{
2462     #1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}
2463 \newcommand*{\cventry}[6]{%
2464   \cvline{#1}{%
2465     {\bfseries#2}%
2466     \ifx#3\else{, {\slshape#3}}\fi%
2467     \ifx#4\else{, #4}\fi%
2468     \ifx#5\else{, #5}\fi%
2469     .%
2470     \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}\fi
2471   }%
2472 \newcommand*{\cvlanguage}[3]{%
2473   \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{r
2474 \newcommand*{\cvcomputer}[4]{%
2475   \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2476 \newcommand*{\link}[2][ ]{%
2477   \ifthenelse{\equal{#1}{}}{
2478     {\href{#2}{#2}}%
2479     {\href{#2}{#1}}}
2480 \newcommand*{\httplink}[2][ ]{%
2481   \ifthenelse{\equal{#1}{}}{
2482     {\href{http://#2}{#2}}%
2483     {\href{http://#2}{#1}}}
2484 \newcommand*{\emailink}[2][ ]{%
2485   \ifthenelse{\equal{#1}{}}{
2486     {\href{mailto:#2}{#2}}%
2487     {\href{mailto:#2}{#1}}}
2488 \newif\if@displaypagenumbers\@displaypagenumberstrue
2489 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2490 \AtBeginDocument{%
2491   \if@displaypagenumbers%
2492     \@ifundefined{r@lastpage}{\fi%
2493     \ifthenelse{\pageref{lastpage} > 1}{%
2494       \fancypagestyle{plain}{%

```



```

2495 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\page
2496 \pagestyle{plain}}{}}%
2497 \AtEndDocument{\label{lastpage}}%
2498 \fi}
2499 \newlength{\bibindent}
2500 \setlength{\bibindent}{1.5em}
2501 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2502 \newenvironment{thebibliography}[1]%
2503 {%
2504 \section{\refname}%
2505 \small%
2506 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
2507 \bidi@thebibliography@font@hook%
2508 \begin{list}{\bibliographyitemlabel}%
2509 {%
2510 \setlength{\topsep}{0pt}%
2511 \setlength{\labelwidth}{\hintscolumnwidth}%
2512 \setlength{\labelsep}{\separatorcolumnwidth}%
2513 \leftmargin\labelwidth%
2514 \advance\leftmargin\labelsep%
2515 \@openbib@code%
2516 \usecounter{enumiv}%
2517 \let\p@enumiv\@empty%
2518 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2519 \sloppy\clubpenalty4000\widowpenalty4000%
2520 }%
2521 {%
2522 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2523 \end{list}%
2524 }
2525 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2526 \let\@openbib@code\@empty

```

20 File biditools.sty

```

2527 \NeedsTeXFormat{LaTeX2e}
2528 \ProvidesPackage{biditools}[2018/02/22 v1.4 Programming tools for bidi package]
2529 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2530 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2531 \ifx\@tempa\@tempb \global\let#2#1%
2532 \else
2533 \edef\@tempb{\meaning#2}%
2534 \ifx\@tempa\@tempb
2535 \else
2536 \@latex@error{Unable to properly define \string#2; primitive
2537 \noexpand#1no longer primitive}\@eha
2538 \fi
2539 \fi
2540 \endgroup}
2541 \newtoks\@bidi@envbody

```




```

2542 \newtoks\@bidi@emptytoks
2543 \def\@bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2544 \def\@bidi@collect@body#1{%
2545   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2546   \edef\@bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}}%
2547   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2548   \begingroup
2549   \expandafter\let\csname\@currenvir\endcsname\@bidi@collect@@body
2550   \edef\@bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2551   \@bidi@process@envbody
2552 }
2553 \def\@bidi@push@begins#1\begin#2{%
2554   \ifx\end#2\else b\expandafter\@bidi@push@begins\fi
2555 }
2556 \def\@bidi@collect@@body#1\end#2{%
2557   \edef\begin@bidi@stack{\@bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2558   \ifx\@empty\begin@bidi@stack
2559     \endgroup
2560     \@checkend{#2}%
2561     \@bidi@addto@envbody{#1}%
2562   \else
2563     \@bidi@addto@envbody{#1\end{#2}}%
2564   \fi
2565   \@bidi@process@envbody % A little tricky! Note the grouping
2566 }
2567 \long\def\@bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2568 \long\def\@bidi@collect@long@body#1{%
2569   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2570   \edef\@bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}}%
2571   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2572   \begingroup
2573   \expandafter\let\csname\@currenvir\endcsname\@bidi@collect@long@@body
2574   \edef\@bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2575   \@bidi@process@envbody
2576 }
2577 \long\def\@bidi@push@long@begins#1\begin#2{%
2578   \ifx\end#2\else b\expandafter\@bidi@push@long@begins\fi
2579 }
2580 \long\def\@bidi@collect@long@@body#1\end#2{%
2581   \edef\begin@bidi@stack{\@bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2582   \ifx\@empty\begin@bidi@stack
2583     \endgroup
2584     \@checkend{#2}%
2585     \@bidi@addto@long@envbody{#1}%
2586   \else
2587     \@bidi@addto@long@envbody{#1\end{#2}}%
2588   \fi
2589   \@bidi@process@envbody % A little tricky! Note the grouping
2590 }
2591 \long\def\@bidi@new@ifnextchar#1#2#3{%

```



```

2592 \let\reserved@d= #1%
2593 \def\reserved@a{#2}\def\reserved@b{#3}%
2594 \futurelet\@let@token\@let@new@ifnch
2595 }
2596 \def\@let@new@ifnch{%
2597 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2598 \reserved@b
2599 }
2600 \def\@let@matrix@check#1{%
2601 \expandafter\ifx\csname\@currenvir\endcsname#1%
2602 \else\@let@matrix@error#1%
2603 \expandafter\@gobble
2604 \fi
2605 }
2606 \def\@let@matrix@error#1{%
2607 \PackageError{biditools}{%
2608 Old form `string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2609 }{%
2610 `string#1{...}' is old bidi package syntax whose use is
2611 ill-advised in the old versions of bidi package.%
2612 }%
2613 }
2614 \def\@tagsextension{clo}
2615 \def\@definitionfileextension{def}
2616 \def\@texfileextension{tex}
2617 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2618 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2619 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2620 \def\eqnewif#1#2{%
2621 \count@\escapechar \escapechar\m@ne
2622 \let#1\iffalse
2623 \let#2\iffalse
2624 \eq@if#1#2\iftrue
2625 \eq@if#1#2\iffalse
2626 \escapechar\count@}
2627 \def\eq@if#1#2#3{%
2628 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2629 \expandafter\@gobbletwo\string#3\endcsname
2630 {\let#1#3%
2631 \let#2#3}%
2632 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2633 \expandafter\@gobbletwo\string#3\endcsname
2634 {\let#2#3%
2635 \let#1#3}}
2636 \newcommand*\SetBoolean}[2]{%
2637 \lowercase{\def\@tempa{#2}}%
2638 \@ifundefined{\@tempa}{\@tempa}%
2639 {\PackageError{biditools}%
2640 {You can only set a boolean to `true' or `false'}\@ehc}%
2641 {\@ifundefined{#1\@tempa}%

```



```

2642     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2643     {\csname#1\@tempa\endcsname}}
2644 \newcommand*{\GlobalSetBoolean}[2]{%
2645   \lowercase{\def\@tempa{#2}}%
2646   \@ifundefined{@tempwa\@tempa}%
2647   {\PackageError{biditools}%
2648     {You can only set a boolean to `true' or `false'}\@ehc}%
2649   {\@ifundefined{#1\@tempa}%
2650     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2651     {\global\csname#1\@tempa\endcsname}}}
2652 \newcommand*{\SetatBoolean}[2]{%
2653   \lowercase{\def\@tempa{#2}}%
2654   \@ifundefined{@tempwa\@tempa}%
2655   {\PackageError{biditools}%
2656     {You can only set a boolean to `true' or `false'}\@ehc}%
2657   {\@ifundefined{@#1\@tempa}%
2658     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2659     {\csname @#1\@tempa\endcsname}}}
2660 \newcommand*{\GlobalSetatBoolean}[2]{%
2661   \lowercase{\def\@tempa{#2}}%
2662   \@ifundefined{@tempwa\@tempa}%
2663   {\PackageError{biditools}%
2664     {You can only set a boolean to `true' or `false'}\@ehc}%
2665   {\@ifundefined{@#1\@tempa}%
2666     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2667     {\global\csname @#1\@tempa\endcsname}}}
2668 \def\@bidi@removefromreset#1#2{%
2669   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2670   \def\@elt##1{%
2671     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2672     \else
2673       \noexpand\@elt{##1}%
2674     \fi}%
2675   \expandafter\xdef\csname cl@#2\endcsname{%
2676     \csname cl@#2\endcsname}}
2677 \newcommand*{\ifRtoL}{%
2678   \ifRTL
2679     \expandafter\@firstoftwo
2680   \else
2681     \expandafter\@secondoftwo
2682   \fi}
2683 \newcommand*{\ifLtoR}{%
2684   \ifRTL
2685     \expandafter\@secondoftwo
2686   \else
2687     \expandafter\@firstoftwo
2688   \fi}
2689 \newcommand*{\ifRtoLtable}{%
2690   \ifRTLtab
2691     \expandafter\@firstoftwo

```



```

2692 \else
2693   \expandafter\@secondoftwo
2694 \fi}
2695 \newcommand*{\ifLtoRtable}{%
2696   \if@RTLtab
2697     \expandafter\@secondoftwo
2698   \else
2699     \expandafter\@firstoftwo
2700   \fi}
2701 \newcommand*{\ifRtoLhboxconstruct}{%
2702   \if@hboxRconstruct
2703     \expandafter\@firstoftwo
2704   \else
2705     \expandafter\@secondoftwo
2706   \fi}
2707 \newcommand*{\ifLtoRhboxconstruct}{%
2708   \if@hboxRconstruct
2709     \expandafter\@secondoftwo
2710   \else
2711     \expandafter\@firstoftwo
2712   \fi}
2713 \newcommand*{\iflatin}{%
2714   \if@nonlatin
2715     \expandafter\@secondoftwo
2716   \else
2717     \expandafter\@firstoftwo
2718   \fi}
2719 \newcommand*{\ifnonlatin}{%
2720   \if@nonlatin
2721     \expandafter\@firstoftwo
2722   \else
2723     \expandafter\@secondoftwo
2724   \fi}
2725
2726 \newcommand*{\bidi@@convert@dimen@t@unit}[2]{%
2727   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2728
2729 \newcommand*{\bidi@@convert@dimen@t@pt}[1]{%
2730   \dimexpr #1*65536/\dimexpr 1pt\relax}
2731
2732 \newcommand*{\if@bidi@csdef}[1]{%
2733   \ifcsname#1\endcsname
2734     \expandafter\@firstoftwo
2735   \else
2736     \expandafter\@secondoftwo
2737   \fi}
2738 \newcommand*{\if@bidi@csundef}[1]{%
2739   \ifcsname#1\endcsname
2740     \expandafter\ifx\csname#1\endcsname\relax
2741     \expandafter\expandafter

```



```

2742     \expandafter\@firstoftwo
2743     \else
2744         \expandafter\expandafter
2745         \expandafter\@secondoftwo
2746     \fi
2747 \else
2748     \expandafter\@firstoftwo
2749 \fi}
2750 \newcommand{\if@bidi@def}[1]{%
2751     \ifdefined#1%
2752         \expandafter\@firstoftwo
2753     \else
2754         \expandafter\@secondoftwo
2755     \fi}
2756 \newcommand{\if@bidi@undef}[1]{%
2757     \ifdefined#1%
2758         \ifx#1\relax
2759             \expandafter\expandafter
2760             \expandafter\@firstoftwo
2761         \else
2762             \expandafter\expandafter
2763             \expandafter\@secondoftwo
2764         \fi
2765     \else
2766         \expandafter\@firstoftwo
2767     \fi}
2768 \newcommand{\if@bidi@blank}[1]{% from url.sty
2769     \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2770 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2771 \newcommand{\bidi@notblank}[1]{%
2772     \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2773 \newcommand{\if@bidi@defmacro}{%
2774     \long\edef\if@bidi@defmacro#1{%
2775         \noexpand\expandafter\noexpand\bidi@ifdefmacro
2776         \noexpand\meaning#1\detokenize{macro}:&}
2777 \edef\bidi@ifdefmacro{%
2778     \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
2779     \bidi@ifdefmacro{\bidi@notblank{#2}}
2780 \newcommand*\if@bidi@csmacro}[1]{%
2781     \if@bidi@csdef{#1}
2782         {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2783         {\@secondoftwo}}
2784 \newcommand{\if@bidi@defprimitive}[1]{%
2785     \ifprimitive#1%
2786         \expandafter\@firstoftwo
2787     \else
2788         \expandafter\@secondoftwo
2789     \fi}
2790 \newcommand{\if@bidi@csprimitive}[1]{%
2791     \begingroup\expandafter\expandafter\expandafter\endgroup%

```



```

2792 \expandafter\ifprimitive\csname#1\endcsname%
2793 \expandafter\@firstoftwo
2794 \else
2795 \expandafter\@secondoftwo
2796 \fi}
2797 \newcommand*{\bidi@csdefcs}[2]{%
2798 \expandafter\@ifdefinable \csname#1\endcsname{%
2799 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2800 \newcommand*{\bidi@csletcs}[2]{%
2801 \expandafter\@ifdefinable \csname#1\endcsname{%
2802 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2803 \newcommand*{\bidi@cslet}[2]{%
2804 \expandafter\@ifdefinable \csname#1\endcsname{%
2805 \expandafter\let\csname#1\endcsname#2}}
2806 \newcommand{\bidi@namelongdef}[1]{%
2807 \long\expandafter\def\csname #1\endcsname}
2808 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2809 \def\bidi@ensure@new@command#1{%
2810 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2811 \expandafter\if@bidi@csundef\@gtempa
2812 {\new@command#1}\relax%
2813 \let\@ifdefinable\rc@ifdefinable%
2814 \new@command#1}}
2815 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2816
2817 \protected\def\bidi@error{\PackageError{bidi}}
2818 \protected\def\bidi@warning{\PackageWarning{bidi}}
2819 \protected\def\bidi@info{\PackageInfo{bidi}}
2820
2821
2822 \newcommand*{\setbaselineskip}[1]{%
2823 \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
2824 \selectfont
2825 }
2826
2827
2828 \newcommand*{\bidi@newrobustcmd}{%
2829 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2830
2831 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2832
2833 \def\bidi@newcommand#1[#2]{%
2834 \@ifnextchar[%]
2835 {\bidi@xargdef#1[#2]}
2836 {\ifx\l@ngrel@x\relax
2837 \let\l@ngrel@x\protected
2838 \else
2839 \protected\def\l@ngrel@x{\protected\long}%
2840 \fi
2841 \@argdef#1[#2]}}

```



```

2842
2843 \long\def\bidixargdef#1[#2][#3]#4{%
2844   \@ifdefinable#1{%
2845     \expandafter\protected
2846     \expandafter\def
2847     \expandafter#1%
2848     \expandafter{%
2849       \expandafter\@testopt
2850       \csname\string#1\endcsname{#3}}}%
2851   \expandafter\@yargdef\csname\string#1\endcsname\tw#{#2}#{#4}}
2852
2853 \bidinewrobustcmd*\bidirenewrobustcmd{\@star@or@long\bidirenew@command}
2854
2855 \def\bidirenew@command#1{%
2856   \if@bididef{#1}
2857     {\biderror{\string#1 undefined}\@ehc}
2858     {}%
2859   \let\@ifdefinable\@rc@ifdefinable
2860   \bidinew@command#1}
2861
2862
2863
2864 \bidinewrobustcmd*\bidiproviderobustcmd{\@star@or@long\bidiprovide@command}
2865
2866 \def\bidiprovide@command#1{%
2867   \if@bididef{#1}
2868     {\def\reserved@a{\bidinew@command#1}}
2869     {\def\reserved@a{\bidirenew@command\reserved@a}}%
2870   \reserved@a}
2871
2872 \newcommand*\bidicsuse[1]{%
2873   \ifcsname#1\endcsname
2874     \csname#1\expandafter\endcsname
2875   \fi}
2876
2877 \newcommand{\bidieexpandonce}[1]{%
2878   \unexpanded\expandafter{#1}}
2879
2880 \def\bidiprotected{%
2881   \let\@protect\protect
2882   \let\protect\@unexpandable@protect
2883   \afterassignment\restore@protect}
2884
2885 \bidinewrobustcmd{\bidieappto}[2]{%
2886   \if@bididef{#1}
2887     {\edef#1{\unexpanded{#2}}}
2888     {\edef#1{\bidieexpandonce#1\unexpanded{#2}}}%
2889 \bidinewrobustcmd{\bidieappto}[2]{%
2890   \if@bididef{#1}
2891     {\edef#1{#2}}

```



```

2892     {\edef#1{\bidi@expandonce#1#2}}
2893 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2894   \if@bidi@undef{#1}
2895     {\xdef#1{\unexpanded{#2}}}
2896     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2897 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2898   \if@bidi@undef{#1}
2899     {\xdef#1{#2}}
2900     {\xdef#1{\bidi@expandonce#1#2}}}
2901
2902 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2903 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2904
2905
2906
2907 \bidi@newrobustcmd{\bidi@preto}[2]{%
2908   \if@bidi@undef{#1}
2909     {\edef#1{\unexpanded{#2}}}
2910     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}
2911 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2912   \if@bidi@undef{#1}
2913     {\edef#1{#2}}
2914     {\edef#1{#2\bidi@expandonce#1}}
2915 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2916   \if@bidi@undef{#1}
2917     {\xdef#1{\unexpanded{#2}}}
2918     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}
2919 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2920   \if@bidi@undef{#1}
2921     {\xdef#1{#2}}
2922     {\xdef#1{#2\bidi@expandonce#1}}
2923
2924 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2925 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2926
2927
2928
2929 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2930 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2931 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2932 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2933 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2934 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2935
2936
2937
2938 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2939 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2940 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2941 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}

```




```

2942 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2943 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2944
2945
2946
2947 \bidi@newrobustcmd{\if\bidi@patchable}{%
2948   \bidi@dbg@trce\if\bidi@patchable
2949   \begingroup
2950   \@makeother\#%
2951   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2952
2953 \long\def\bidi@ifpatchable#1#2{%
2954   \endgroup
2955   \bidi@dbg@init#1%
2956   \if\bidi@undef{#1}
2957     {\bidi@dbg@fail{def}\@secondoftwo}
2958     {\bidi@dbg@info{def}%
2959     \if\bidi@defmacro{#1}
2960       {\bidi@dbg@info{mac}%
2961       \bidi@ifscanable{#1}
2962         {\bidi@ifhashcheck{#2}
2963           {\bidi@dbg@info{tok}%
2964             \bidi@ifpattern#1{#2}
2965             {\bidi@dbg@info{pat}%
2966               \bidi@dbg@info{pos}\@firstoftwo}
2967               {\bidi@dbg@fail{pat}\@secondoftwo}}
2968             {\bidi@dbg@fail{hsh}\@secondoftwo}}
2969             {\bidi@dbg@fail{tok}\@secondoftwo}}
2970             {\bidi@dbg@fail{mac}\@secondoftwo}}}
2971
2972 \long\def\bidi@ifpatchable@i#1{%
2973   \endgroup
2974   \bidi@dbg@init#1%
2975   \if\bidi@undef{#1}
2976     {\bidi@dbg@fail{def}\@secondoftwo}
2977     {\bidi@dbg@info{def}%
2978     \if\bidi@defmacro{#1}
2979       {\bidi@dbg@info{mac}%
2980       \if\bidi@defparam{#1}
2981         {\bidi@dbg@info{prm}%
2982         \bidi@ifscanable{#1}
2983           {\bidi@dbg@info{tok}%
2984             \bidi@dbg@info{pos}\@firstoftwo}
2985             {\bidi@dbg@fail{tok}\@secondoftwo}}
2986           {\bidi@dbg@info{prl}%
2987             \if\bidi@defprotected{#1}
2988               {\bidi@dbg@info{pro}}
2989               {}%
2990             \bidi@dbg@info{pos}\@firstoftwo}}
2991             {\bidi@dbg@fail{mac}\@secondoftwo}}}

```



```

2992
2993 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2994   \bidi@dbg@trce\bidi@patchcmd
2995   \begingroup
2996   \@makeoother\#%
2997   \bidi@@patchcmd}
2998
2999 \newcommand{\bidi@@patchcmd}[4][#####1]{%
3000   \bidi@ifpatchable#2{#3}
3001   {\bidi@dbg@succ{ret}%
3002     \begingroup
3003     \edef\bidi@resrvda{%
3004       \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
3005         #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
3006       \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
3007         ####1\detokenize{#4}####2}%
3008       \edef\noexpand\bidi@resrvda{%
3009         \noexpand\bidi@resrvda\meaning#2&}}%
3010     \bidi@resrvda
3011     \bidi@patchcmd@scantoks\bidi@resrvda
3012     \let#2\bidi@resrvda
3013     \bidi@undef\bidi@resrvda
3014     \@firstoftwo}
3015   {\@secondoftwo}}
3016
3017 \def\bidi@patchcmd@scantoks#1{%
3018   \edef\bidi@resrvda{\endgroup
3019     \unexpanded{\makeatletter\scantokens}{#1}%
3020     \catcode\number`\@=\the\catcode`\@ \relax}%
3021   \bidi@resrvda}
3022
3023 \newcommand\bidi@isloaded[2][]{
3024   \expandafter\ifx\csname if@bidi@#2loaded@ \endcsname \relax
3025   \expandafter\newif\csname if@bidi@#2loaded@ \endcsname
3026   \fi
3027   \@ifpackageloaded{#2}
3028   {\csname @bidi@#2loaded@true \endcsname #1}
3029   {\csname @bidi@#2loaded@false \endcsname}}
3030
3031 \protected\def\bidi@ifscanable#1{%
3032   \begingroup
3033   \edef\bidi@resrvda{%
3034     \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
3035       ####1\def\string\bidi@resrvda####2{####3}}%
3036     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3037   \bidi@resrvda
3038   \makeatletter
3039   \scantokens\expandafter{\bidi@resrvda}%
3040   \expandafter\endgroup\ifx#1\bidi@resrvda
3041     \expandafter\@firstoftwo

```



```

3042 \else
3043 \expandafter\@secondoftwo
3044 \fi}
3045
3046
3047 \protected\long\def\bidi@ifhashcheck#1{%
3048 \begingroup
3049 \edef\bidi@resrvda{\detokenize{#1}}%
3050 \expandafter\endgroup
3051 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3052
3053 \edef\bidi@ifhashcheck@i#1&{%
3054 \noexpand\expandafter
3055 \noexpand\bidi@ifhashcheck@ii
3056 \noexpand\strip@prefix#1\string#\string#&}
3057
3058 \edef\bidi@ifhashcheck@ii{%
3059 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
3060 \bidi@ifhashcheck@ii{\if\bidi@blank{#2}}
3061
3062
3063 \protected\long\def\bidi@ifpattern#1#2{%
3064 \begingroup
3065 \edef\bidi@resrvda{%
3066 \def\noexpand\bidi@resrvda####1\detokenize{#2}###2&{%
3067 \endgroup\noexpand\noexpand\noexpand\if\bidi@blank{####2}}%
3068 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
3069 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3070 \noexpand\bidi@resrvda}
3071 \bidi@resrvda\@secondoftwo\@firstoftwo}
3072
3073
3074 \newcommand{\if\bidi@defparam}{%
3075 \long\edef\if\bidi@defparam#1{%
3076 \noexpand\expandafter\noexpand\bidi@ifdefparam
3077 \noexpand\meaning#1\detokenize{macro}:->&}
3078 \edef\bidi@ifdefparam{%
3079 \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
3080 \bidi@ifdefparam{\bidi@notblank{#2}}
3081
3082
3083 \newcommand{\if\bidi@defprotected}{%
3084 \long\edef\if\bidi@defprotected#1{%
3085 \noexpand\expandafter\noexpand\bidi@ifdefprotected
3086 \noexpand\meaning#1\string\protected&}
3087 \edef\bidi@ifdefprotected{%
3088 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
3089 \bidi@ifdefprotected{\bidi@notblank{#2}}
3090
3091

```



```

3092 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3093
3094 \let\bidi@dbg@trce\@gobble
3095 \let\bidi@dbg@init\@gobble
3096 \let\bidi@dbg@info\@gobble
3097 \let\bidi@dbg@succ\@gobble
3098 \let\bidi@dbg@fail\@gobble
3099
3100
3101
3102 \bidi@newrobustcmd*{\bidi@apptocmd}{%
3103   \bidi@dbg@trce\bidi@apptocmd
3104   \begingroup
3105   \@makeother\#%
3106   \bidi@hooktocmd\bidi@append}
3107
3108
3109
3110 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3111   \bidi@dbg@trce\bidi@pretocmd
3112   \begingroup
3113   \@makeother\#%
3114   \bidi@hooktocmd\bidi@prepend}
3115
3116 \long\def\bidi@hooktocmd#1#2#3{%
3117   \endgroup
3118   \bidi@dbg@init#2%
3119   \if@bidi@undef{#2}
3120     {\bidi@dbg@fail{def}\@secondoftwo}
3121     {\bidi@dbg@info{def}%
3122       \if@bidi@defmacro{#2}
3123         {\bidi@dbg@info{mac}%
3124           \if@bidi@defparam{#2}
3125             {\bidi@dbg@info{prm}%
3126               \bidi@ifscanable{#2}
3127                 {\bidi@ifhashcheck{#3}
3128                   {\bidi@dbg@info{tok}%
3129                     \bidi@dbg@succ{ret}%
3130                     \bidi@hooktocmd@i#1#2{#3}%
3131                     \@firstoftwo}
3132                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
3133                 {\bidi@dbg@fail{tok}\@secondoftwo}}
3134             {\bidi@dbg@info{prl}%
3135               \if@bidi@defprotected{#2}
3136                 {\bidi@dbg@info{pro}%
3137                   \bidi@dbg@succ{red}%
3138                   \protected}
3139                 {\bidi@dbg@succ{red}}}%
3140     \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3141     \@firstoftwo}}

```



```

3142      {\bidi@dbg@fail{mac}\@secondoftwo}}
3143
3144 \long\def\bidi@hooktocmd@i#1#2#3{%
3145   \begingroup
3146   \edef\bidi@resrvda{%
3147     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3148       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
3149     \edef\noexpand\bidi@resrvda{%
3150       \noexpand\bidi@resrvda\meaning#2&}}%
3151   \bidi@resrvda
3152   \bidi@patchcmd@scantoks\bidi@resrvda
3153   \let#2\bidi@resrvda
3154   \bidi@undef\bidi@resrvda}
3155
3156 \long\def\bidi@append#1#2{#1#2}
3157 \long\def\bidi@prepend#1#2{#2#1}
3158
3159 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3160 \newcommand*{\bidi@endpreamblehook}{}
3161
3162 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipouthook}
3163 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
3164
3165 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
3166 \newcommand*{\bidi@beforeheaderhook}{}
3167
3168 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutputpagehook}
3169 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
3170
3171 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpagehook}
3172 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
3173
3174 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
3175 \newcommand*{\bidi@beforefooterhook}{}
3176
3177 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
3178 \newcommand*{\bidi@afterfooterhook}{}
3179
3180
3181 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
3182 \newcommand*{\bidi@afteroutputpageshipouthook}{}
3183
3184 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
3185 \newcommand*{\bidi@atendoutputpagehook}{}
3186
3187 \bidi@preto\document{%
3188   \endgroup
3189   \let\bidi@AtEndPreamble\@firstofone
3190   \bidi@endpreamblehook
3191   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%

```



```

3192 \bidi@undef\bidi@endpreamblehook
3193 \begingroup}
3194
3195 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3196 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3197
3198 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3199 \newcommand*{\bidi@afterendpreamblehook}{\}
3200
3201 \bidi@gappto\document{%
3202 \let\bidi@AfterEndPreamble\@firstofone
3203 \bidi@afterendpreamblehook
3204 \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3205 \bidi@undef\bidi@afterendpreamblehook
3206 \ignorespaces}
3207
3208 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3209
3210 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
3211 \newcommand*{\bidi@afterlastshipouthook}{\}
3212
3213 \bidi@patchcmd\enddocument
3214 {\clearpage}
3215 {\clearpage
3216 \let\bidi@AfterLastShipout\@firstofone
3217 \bidi@afterlastshipouthook}
3218 {}
3219 {\let\bidi@clearpage\clearpage
3220 \def\clearpage{%
3221 \bidi@clearpage
3222 \let\bidi@AfterLastShipout\@firstofone
3223 \bidi@afterlastshipouthook}}
3224
3225 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
3226 \newcommand*{\bidi@afterenddocumenthook}{\}
3227
3228 \bidi@patchcmd\enddocument
3229 {\deadcycles}
3230 {\let\bidi@AfterEndDocument\@firstofone
3231 \bidi@afterenddocumenthook
3232 \deadcycles}
3233 {}
3234 {\let\bidi@@end@@end
3235 \def@@end{%
3236 \let\bidi@AfterEndDocument\@firstofone
3237 \bidi@afterenddocumenthook
3238 \bidi@@end}}
3239
3240 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3241 \bidi@csgappto{\bidi@begin@#1@hook}}

```



```

3242
3243 \bidi@patchcmd\begin
3244   {\csname #1\endcsname}
3245   {\bidi@csuse{@bidi@begin@#1@hook}}%
3246   \csname #1\endcsname}
3247   {}
3248   {\bidi@warning{%
3249     Patching '\string\begin' failed!\MessageBreak
3250     '\string\bidi@AtBeginEnvironment' will not work@gobble}}
3251
3252
3253
3254 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3255   \bidi@csgappto{@bidi@end@#1@hook}}
3256
3257 \bidi@patchcmd\end
3258   {\csname end#1\endcsname}
3259   {\bidi@csuse{@bidi@end@#1@hook}}%
3260   \csname end#1\endcsname}
3261   {}
3262   {\bidi@warning{%
3263     Patching '\string\end' failed!\MessageBreak
3264     '\string\bidi@AtEndEnvironment' will not work@gobble}}
3265
3266
3267
3268 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3269   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3270
3271 \bidi@pretocmd\begin
3272   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3273   {}
3274   {\bidi@warning{%
3275     Patching '\string\begin' failed!\MessageBreak
3276     '\string\bidi@BeforeBeginEnvironment' will not work@gobble}}
3277
3278
3279
3280 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3281   \bidi@csgappto{@bidi@afterend@#1@hook}}
3282
3283 \bidi@patchcmd\end
3284   {\if@ignore}
3285   {\bidi@csuse{@bidi@afterend@#1@hook}}%
3286   \if@ignore}
3287   {}
3288   {\bidi@warning{%
3289     Patching '\string\end' failed!\MessageBreak
3290     '\string\bidi@AfterEndEnvironment' will not work@gobble}}
3291

```



```

3292 \chardef\bidi@backslash`\\
3293 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
3294
3295 % anonymous control sequences
3296 \newcount\bidi@tempcountb
3297 \newtoks\bidi@temptoksa
3298 \newtoks\bidi@temptoksb
3299
3300 % Catcode (re)storing
3301 %
3302 \def\bidi@storecatcode#1%
3303   {\escapechar\m@ne
3304    \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3305    {\catcode`\string#1=
3306     \the\catcode\expandafter`\string#1}%
3307    \catcode\expandafter`\string#1=12\relax
3308    \escapechar`\\relax}
3309 \def\bidi@restorecatcode#1%
3310   {\escapechar\m@ne
3311    \csname bidi@restorecatcode\string#1\endcsname
3312    \escapechar`\\relax}
3313
3314 % Construct a control sequence inside \edef
3315 %
3316 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3317
3318 % Construct a control sequence out of #2, and give it to #1
3319 %
3320 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
3321
3322 % Pick an escapecharacter
3323 % this presumes that its argument is a character.
3324 %
3325 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3326
3327 % Equality of strings.
3328 % the fast approach: does not work in expansion-only environment.
3329 %
3330 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
3331   \ifx\bidi@eqs@a\bidi@eqs@b}
3332
3333 % Test by expansion only
3334 %
3335 \def\bidi@EqualStringX#1#2{00\fi
3336   \csname if\bidi@EqualStringX#1&#2&\endcsname}
3337 \def\bidi@EqualStringX#1#2#3#4${\ifx#1#3%
3338   \ifx#1&true\else\bidi@hop@ES\bidi@EqualStringX#2#4$\fi
3339   \else false\fi}
3340 \def\bidi@hop@ES#1\fi#2\fi{\fi\fi#1}
3341

```




```

3342% Lexicographic ordering
3343% note the use of \def
3344% also note the characters 0,127,255 that are used,
3345% these are not supposed to appear in the strings
3346%
3347{\catcode0=12 \catcode255=12 \catcode127=12
3348\gdef\bid@StringBeforeNC#1#2{00\fi
3349 \bid@CharsBefore#1^^@^^?#2^^ff^^?}
3350\gdef\bid@CharsBeforeNC#1#2^^?#3#4^^?{%
3351 \ifcat#1\relax\def\bid@next{\bid@CharsBefore#2^^@^^?#3#4^^ff^^?}%
3352 \else\ifcat#3\relax\def\bid@next{\bid@CharsBefore#1#2^^@^^?#4^^ff^^?}%
3353 \else\ifnum\lccode`#1<\lccode`#3
3354 \def\bid@next{\csname iftrue\endcsname}%
3355 \else\ifnum\lccode`#1>\lccode`#3
3356 \def\bid@next{\csname iffalse\endcsname}%
3357 \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
3358 \fi \fi \fi \fi
3359 \bid@next}
3360\gdef\bid@StringBefore#1#2{00\fi
3361 \bid@CharsBefore#1^^@^^?#2^^ff^^?}
3362\gdef\bid@CharsBefore#1#2^^?#3#4^^?{%
3363 \ifnum`#1<`#3
3364 \def\bid@next{\csname iftrue\endcsname}%
3365 \else\ifnum`#1>`#3
3366 \def\bid@next{\csname iffalse\endcsname}%
3367 \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
3368 \fi\fi
3369 \bid@next}
3370}
3371
3372% Null argument test
3373%
3374\def\bid@empty{}
3375\def\bid@ifempty#1{00\fi\expandafter\ifx\csname bid@#1>null\endcsname\bid@@null}
3376\def\bid@ifemptyX#1{\expandafter\ifx\csname bid@#1>null\endcsname\bid@@null}
3377%\def\bid@ifempty#1{\def\bid@cs@a{#1}\ifx\bid@cs@a\bid@empty}
3378\def\bid@IsEmptyList#1{00\fi\def\bid@cs@a{#1}\ifx\cs@a\bid@empty}
3379
3380% Next character test
3381%
3382\def\bid@NextChar#1#2#3{00\fi
3383 \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
3384 \futurelet\bid@nxt@c@\bid@ifnxtc}
3385\def\bid@ifNextChar#1#2#3{%
3386 \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
3387 \futurelet\bid@nxt@c@\bid@ifnxtc}
3388\def@bid@ifnxtc{\ifx\bid@nxt@ch\bid@nxt@c \expandafter\bid@nxt@a
3389 \else \expandafter\bid@nxt@b \fi}
3390
3391% Test for defined-ness of string as control sequence.

```



```

3392 % works inside \edef
3393 %
3394 \def\bididefcs#1{00\fi\bidicsarg\ifx{#1}\relax}
3395
3396 % Define uniquely defined dummy macros,
3397 % usually to serve as bumper blocks at the end of a list
3398 %
3399 \newcount\bididummies
3400 \def\DefNewDummy#1{
3401   \if\bididefcs{#1}\bidicsarg\edef{#1}{\bididum\the\bididummies}
3402   \advance\bididummies\@ne
3403   \else
3404     \bidieerror{Attempt at second definition of `#1'}
3405   \fi}
3406
3407 % string case statement
3408 % use: \bidiswitch \iftest{...} in:
3409 %     item1 action1
3410 %     ...
3411 %     itemn actionn
3412 %     default defaultaction [optional]
3413 %     \endbidiswitch
3414 % inspired by Jonathan Fine: Some Basic Control Macros
3415 % Tugboat 12 #4
3416 %
3417 \let\@bidi@fi\fi \let\endbidi@switch\relax \DefNewDummy{\bidi@default}
3418 \def\bidi@switch@exit #1 \@bidi@fi #2 \endbidi@switch {\fi #1}
3419 \def\bidi@switch #1#2#3{\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3420   #1{#2}\bidi@switch@exit #3 \@bidi@fi
3421   \bidi@switch {#1}
3422 }
3423 % this version puts the test object in {}
3424 \def\bidi@oswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3425   #1{#2}\bidi@switch@exit #3 \@bidi@fi
3426   \bidi@switch #1 in:
3427 }
3428 % this version assumes that the test object is just one character
3429 \def\bidi@cswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3430   #1#2\bidi@switch@exit #3 \@bidi@fi
3431   \bidi@cswitch #1 in:
3432 }
3433 % this version assumes that the test object can have an optional space
3434 \def\bidi@bswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3435   #1#2 \bidi@switch@exit #3 \@bidi@fi
3436   \bidi@bswitch #1 in:
3437 }
3438 % this version can cope with significant spaces at the start of #3;
3439 % #2 is macro argument
3440 \def\bidi@mswitch #1 in: #2:#3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3441   #1{#2}\bidi@switch@exit #3 \@bidi@fi

```



```

3442 \bidi@mswitch #1 in:
3443 }
3444 % idem; #2 does not have to be enclosed in braces
3445 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3446 #1#2 \bidi@switch@exit #3 \@bidi@fi
3447 \bidi@fswitch #1 in:
3448 }
3449
3450 % Routines for taking the value of a string:
3451 % if the string is defined as control sequence
3452 % take the value of that, otherwise take the string itself
3453
3454 % String or value of control sequence
3455 %
3456 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3457
3458 % String or control sequence
3459 %
3460 \def\bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3461
3462 % String or \noexpand-ed control sequence;
3463 % for use in \edef
3464 %
3465 \newif\ifbidi@in@label
3466 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
3467 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3468 \newtoks\bidi@are@these@correct
3469 \def\bidi@t@w@w#1{%
3470 \if\bidi@undefinedcs{#1}#1%
3471 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 } \fi
3472 \else
3473 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3474
3475 % List Manipulation .....
3476 % this assumes that #1 is a list of tokens, #2 is the name of a list
3477 %
3478 % Names of lists (and of items to pop into) are given as strings;
3479 % not as control sequences.
3480 %
3481 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
3482 % basic append/prepend macro
3483 \long\def\bidi@append@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3484 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@
3485 \long\def\bidi@prepend@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3486 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista\
3487 \def\bidi@append@to@list{\bidi@csarg\bidi@append@to@cslist}
3488 % variations:
3489 \long\def\bidi@append@to@list#1#2{\bidi@append@to@list{#1}{#2}}
3490 \def\bidi@append@list@to@list#1#2{%
3491 \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\er

```



```

3492 \def\bid@append@cslist@to@cslist#1#2{%
3493   \@bid@append@to@cslist{#1}\expandafter{\the#2}}
3494 \def\bid@append@toks@cs@to@list#1#2{\@bid@append@to@list{#1}\expandafter{\the#2}}
3495
3496 \let\bid@willbeunhskip\unhskip
3497
3498 % A few list macros for the user
3499 \def\NewList:#1 {\bid@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3500 \def\EmptyList:#1 {\global\csname#1\endcsname{}}
3501 \long\def\AppendToList:#1=#2 {\@bid@append@to@list{#1}{#2}}
3502 \def\TheList:#1 {\let\bid@oldwbuskip\bid@willbeunhskip \let\bid@willbeunhskip\@empty
3503   \if\bid@undefinedcs{#1}\bid@error{List <#1> undefined}
3504   \else\bid@csarg\the{#1}\fi
3505   \let\bid@willbeunhskip\bid@oldwbuskip}
3506
3507 \def\bid@del@tok@from@list#1#2{\begingroup
3508   \long\def\bid@cs@liste##1#2##2\bid@tok@SM
3509     {\bid@toks@lista{##1}\bid@toks@listb{##2}%
3510     \edef\bid@cs@listb{\global\bid@csname{#1}=
3511       {\the\bid@toks@lista\the\bid@toks@listb}}%
3512     \bid@cs@listb}%
3513   \edef\bid@cs@lista{\noexpand\bid@cs@liste}\expandafter\the\csname#1\endcsname\noexpand
3514   \bid@cs@lista \endgroup}
3515 \def\bid@in@front@of@list#1{\bid@csarg{\let\expandafter\bid@cs@lista}{#1}%
3516   \bid@in@front@of@cslist\bid@cs@lista}
3517 \long\def\bid@in@front@of@cslist#1#2{\begingroup\bid@toks@lista={#2}%
3518   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bid@toks@lista
3519   \endgroup}
3520 \long\def\bid@local@in@front@of@list#1#2{\bid@toks@lista={#2}%
3521   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3522     {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3523     \expandafter\the\csname#1\endcsname}%
3524   }
3525 \def\bid@set@list#1{\bid@csarg{\let\expandafter\bid@cs@lista}{#1}%
3526   \bid@set@cslist\bid@cs@lista}
3527 \long\def\bid@set@cslist#1#2{\begingroup\bid@toks@lista={#2}%
3528   \global#1=\expandafter{\the\bid@toks@lista}\endgroup}
3529
3530 %%%%%%%%%%%%%%% Stack macros
3531 %
3532 % push in terms of prepending of lists
3533 \def\bid@push@cs@onto@cs#1#2{\@bid@prepend@to@cslist#1\expandafter{\expandafter\\expandafter
3534 \def\bid@push@onto#1{\bid@csarg\bid@push@onto@cs{#1}}
3535 \def\bid@push@onto@cs#1#2{\@bid@prepend@to@cslist#1}{\{\\{#2}}}}
3536 \def\bid@local@push@onto#1#2{\let\\=\relax
3537   \bid@local@in@front@of@list{#1}{\\{#2}}}}
3538 % pop via auxiliary macro: #1 is result, #2 is stack
3539 % two cs arguments
3540 \def\bid@pop@cs@into#1#2{\edef\bid@cs@e
3541   {\noexpand\@bid@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bid@pop}\bid@cs@e}

```



```

3542% two string arguments
3543\def\bidipopinto#1#2{\edef\bidics@e
3544  {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bidics@e}
3545\long\def\@bidipopinto#1#2\#3#4\@bidipop{#1{#3}#2{#4}}
3546\def\bidicopystacktop#1#2{%
3547  \edef\bidics@e{\noexpand\@bidicopystacktop
3548    {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
3549  \bidics@e}
3550\def\@bidicopystacktop#1\#2#3\@bidipop{csname#1\endcsname#2\relax}
3551\newcount\bidistacklength \newtoks\bidie@stack \bidie@stack{\{\}}
3552\def\bidilengthof@stack#1{\bidicsarg\bidilengthof@csstack{#1}}
3553\def\bidilengthof@csstack#1{\def\##1{\advance\bidistacklength\@ne}%
3554  \bidistacklength\@ne \the#1}
3555% turn a stack upside down
3556\def\bidinvertcsstack#1{\bidilengthof@csstack{#1}%
3557  \biditempcountb\z@ \biditemptoksa\bidie@stack
3558  \loop\ifnum\biditempcountb<\bidistacklength
3559    \bidipop@cs@into\biditemptoksb#1\advance\bidistacklength\@ne
3560    \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
3561%    \bidic@append@cslist@to@cslist\biditemptoksb\biditemptoksa% append a to b
3562%    \biditemptoksa\biditemptoksb
3563    \repeat% copy b to a
3564    #1\biditemptoksa \biditemptoksa\bidie@stack}
3565% invert a stack into a list
3566\def\bidix@stack@to@list#1{\bidilengthof@stack{#1}%
3567  \biditempcountb\z@ \biditemptoksa\bidie@stack
3568  \loop\ifnum\biditempcountb<\bidistacklength
3569    \bidipop@into{\biditemptoksb}{#1}\advance\bidistacklength\@ne
3570    \bidic@append@list@to@list{\biditemptoksb}{\biditemptoksa}\repeat
3571  \csname#1\endcsname\biditemptoksa \biditemptoksa\bidie@stack}
3572
3573
3574% General loop macro:
3575% \looprepeat
3576%   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3577%   \untilcondition{<cond>} \whilecondition{<cond>}
3578%   \doloopbody { <loop body> }
3579% where all control sequences in between \looprepeat and \doloopbody are optional.
3580%
3581% var: characters to form a control sequence;
3582%   after \forvariable{index} you can access the loop counter as \index.
3583%   This is a count register; to print it use \number\index.
3584% start,step,end: integers with obvious relations to the loop counter;
3585%   start and step have a default value of 1
3586% cond: (sequence of commands ending in) any TeX \if... test.
3587%
3588% Count down instead of up with \downtovalue; the increment given in \bystep
3589% is always positive, and is added or subtracted accordingly.
3590%
3591% Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition

```



```

3592% at the beginning of the loop body.
3593%
3594% Exit from middle of loop: \breaklooprepeat
3595% use this at any place in the loop; in case of a conditional use
3596% \ifsomething ... \expandafter \breaklooprepeat \fi
3597%
3598% Note that the line ends do not cause spaces in the output.
3599%
3600% Technical details:
3601% The loop body is not executed in a group: the braces are those
3602% of a token list.
3603% The 'forvariable' variable is \let to a \count register.
3604
3605
3606
3607% Auxiliary stuff
3608\def\bidilooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3609\def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
3610\def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@depth\endcsname}
3611
3612\newcount\bidilooprepeat@depth
3613\let\endlooprepeat\relax \def\bidicsprotect{}
3614% Trace switches may later be defined by PAC_utils
3615\let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
3616
3617% Main repeatloop macro
3618% - go to next level and allocate unique counter/toks if this is the
3619% first time we visit this level
3620% - setup: gather bounds and termination conditions
3621% - scoop up body in token list; after the assignment define and
3622% execute body
3623\def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
3624 \advance\bidilooprepeat@depth\@ne\relax
3625 \bidilooprepeat@csargromannumeral\ifx\bidilooprepeat@count\relax
3626 \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidilooprepeat@depth}
3627 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
3628 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
3629 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
3630 \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{}\def\bidilooprepeat@comp{>}\bidilooprepeat@comp
3631 \edef\bidilooprepeat@tmp
3632 {\def\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}{\bidilooprepeat@body}
3633 \afterassignment\bidilooprepeat@dxbody\bidilooprepeat@csromannumeral{\bidilooprepeat@toks}
3634
3635% Define and execute loop body
3636% This is done with an \edef to construct the actual sequence
3637\def\bidilooprepeat@dxbody{\bidilooprepeat@csargromannumeral\edef{\bidilooprepeat@body}{%
3638 \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}}%
3639 \noexpand\the\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@toks}}%
3640 \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@utest}}%
3641 \global\bidilooprepeat@csargromannumeral\advance{\bidilooprepeat@count} by \bidilooprepeat@tmp}

```



```

3642 \noexpand\endlooprepeat
3643 \bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@looprepeat}}%
3644 \bidi@looprepeat@csromannumeral{\bidi@looprepeat@body}\ignorespaces}
3645
3646 % Stop test
3647 %% In order to stop, issue a
3648 % \breaklooprepeat which scoops up the rest of the body and exits
3649 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral\
3650 \advance\bidi@looprepeat@depth\m@ne \bidi@looprepeat@traceexit
3651 }
3652
3653
3654 % Setup
3655 % gather bounds and termination conditions
3656 \def\bidi@looprepeat@setup#1{%
3657 \begingroup
3658 \def\forvariable##1{%
3659 \edef\bidi@looprepeat@tmp{%
3660 \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral{\bidi@l
3661 \bidi@looprepeat@tmp}%
3662 \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global{\bidi@looprepeat@count}##1\ign
3663 \def\tovalue##1{%
3664 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@loopre
3665 {\bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}}%
3666 \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@count}\bidi
3667 \noexpand\expandafter \noexpand\breaklooprepeat
3668 \noexpand\fi}\ignorespaces}%
3669 \bidi@looprepeat@tmp}%
3670 \def\downtovalue##1{%
3671 \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3672 \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}\
3673 \bidi@looprepeat@csargromannumeral\gdef{\bidi@looprepeat@inc}{-##1}\else
3674 \bidi@looprepeat@csargromannumeral\gdef{\bidi@looprepeat@inc}{##1}\fi\ignorespaces}
3675 \def\untilcondition##1{%
3676 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@loopre
3677 {\noexpand##1\relax
3678 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3679 \bidi@looprepeat@tmp}%
3680 \def\whilecondition##1{%
3681 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@loopre
3682 {\noexpand##1\relax \noexpand\else
3683 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3684 \bidi@looprepeat@tmp}%
3685 \fromvalue{\@ne}\bystep{\@ne}#1%
3686 \endgroup}
3687 \def\bidi@looprepeat@zero
3688 {\bidi@looprepeat@csromannumeral{\bidi@looprepeat@toks}{}}\bidi@looprepeat@csromannumeral{\bi
3689 \bidi@looprepeat@csargromannumeral\def{\bidi@looprepeat@body}{}}
3690
3691 %\tracingmacros2

```



```

3692%\newcount\tmpcount % used in some examples below
3693
3694%\looprepeat \forvariable{i}
3695%      \bystep{2}
3696%  \doloopbody {%
3697%      \ifnum{i}=13 \expandafter\breaklooprepeat \fi
3698%      \number{i}} %
3699%}%
3700
3701%\looprepeat \forvariable{iii}
3702%      \tovalue{8}
3703%  \doloopbody {}
3704%After loop: \number{iii}%
3705
3706%\looprepeat \forvariable{i}
3707%      \fromvalue{10}
3708%      \bystep{2}
3709%      \downtovalue{0}
3710%  \doloopbody {\number{i}} }
3711
3712%\looprepeat \forvariable{x} \whilecondition{\ifnum{x}<7}
3713%  \doloopbody {\number{x}} }
3714
3715%\looprepeat \tovalue{3} \doloopbody {Hello world! }
3716
3717%\looprepeat \forvariable{j}
3718%      \untilcondition{\tmpcount>j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3719%  \doloopbody {\number{j}} }
3720
3721%\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3722% {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3723%  \doloopbody {(\number{i}.\number{j}) }
3724% }
3725
3726% infinite loop
3727%\looprepeat \doloopbody {}
3728
3729\CheckCommand{\InputIfFileExists}[2]{%
3730  \IfFileExists{#1}%
3731    {#2\@addtofilelist{#1}\@input \@filef@und}}
3732
3733\renewcommand{\InputIfFileExists}[2]{%
3734  \begingroup\expandafter\expandafter\expandafter\endgroup
3735  \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3736    \expandafter\@secondoftwo
3737  \else
3738    \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3739    \expandafter\@firstoftwo
3740  \fi
3741  {%

```




```

3742 \expandafter\InputIfFileExists\expandafter{\csname
3743 #1-@bidi@alias\endcsname}{#2}%
3744 }%
3745 {\IfFileExists{#1}{%
3746 \bidi@load@hook{before}{#1}%
3747 #2\@addtofilelist{#1}%
3748 \@input \@filef@und
3749 \bidi@load@hook{after}{#1}%
3750 }}%
3751 }
3752
3753 \newcommand*{\bidi@loadwithoptions}{%
3754 \newcommand*{\bidi@loadwithoptions}{%
3755 \let\bidi@loadwithoptions\@loadwithoptions
3756
3757 \renewcommand*{\@loadwithoptions}[3]{%
3758 \begingroup\expandafter\expandafter\expandafter\endgroup
3759 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3760 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3761 \else
3762 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3763 \def\bidi@loadwithoptions{%
3764 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3765 }%
3766 \fi
3767 \bidi@loadwithoptions
3768 }
3769
3770 \newcommand*{\bidi@onefilewithoptions}{%
3771 \let\bidi@onefilewithoptions\@onefilewithoptions
3772 \def\@onefilewithoptions#1[#2][#3]#4{%
3773 \begingroup\expandafter\expandafter\expandafter\endgroup
3774 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3775 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3776 \else
3777 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3778 \edef\bidi@onefilewithoptions{%
3779 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3780 \fi
3781 \bidi@onefilewithoptions[{#2}][{#3}]{#4}%
3782 \bidi@load@hook{lateafter}{#1.#4}%
3783 }
3784
3785 \newcommand*{\bidi@ReplaceInput}[2]{%
3786 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3787 }
3788
3789 \newcommand*{\bidi@UnReplaceInput}[1]{%
3790 \ifcsname #1-@bidi@alias\endcsname
3791 \expandafter\let\csname #1-@bidi@alias\endcsname\relax

```



```

3792 \fi
3793 }
3794
3795 \newcommand*{\@bidi@replacefilewithtext}[3]{%
3796 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3797 }
3798 \newcommand*{\bidi@ReplacePackage}[2]{%
3799 \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
3800 }
3801 \newcommand*{\bidi@ReplaceClass}[2]{%
3802 \@bidi@replacefilewithtext{#1}{#2}\@clsextension
3803 }
3804 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
3805 \ifcsname #1.#2-@bidi@aliasname\endcsname
3806 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3807 \fi
3808 }
3809 \newcommand*{\bidi@UnReplacePackage}[1]{%
3810 \@bidi@unreplacefilewithtext{#1}\@pkgextension
3811 }
3812 \newcommand*{\bidi@UnReplaceClass}[1]{%
3813 \@bidi@unreplacefilewithtext{#1}\@clsextension
3814 }
3815 \newcommand*{\bidi@replacefile@msg}[2]{%
3816 \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3817 }
3818
3819 \newcommand*{\bidi@load@hook}[2]{%
3820 \@ifundefined{#2-@#1}{}%
3821 \@nameuse{#2-@#1}%
3822 \expandafter\let\csname #2-@#1\endcsname=\relax}}
3823 \newcommand*{\bidi@set@load@hook}[2]{%
3824 \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}}%
3825 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3826 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3827 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3828 \newcommand*{\bidi@BeforeClass}[1]{%
3829 \bidi@set@load@hook{before}{#1.\@clsextension}}
3830 \newcommand*{\bidi@AfterClass}{%
3831 \ifstar {\@s@bidi@AfterClass}{%
3832 \@ifnextchar +\@@bidi@AfterClass{%
3833 \@ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3834 }%
3835 }%
3836 }
3837
3838 \newcommand*{\@@@bidi@AfterClass}[2]{%
3839 \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3840 \aftergroup\@s@bidi@AfterClass
3841 \else

```



```

3842 \aftergroup\@bidi@AfterAtEndOfClass
3843 \fi
3844 \endgroup{#2}%
3845 }
3846
3847 \newcommand*{\@bidi@AfterAtEndOfClass}[1]{%
3848 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3849 \newcommand*{\@@bidi@AfterClass}[2]{%
3850 \begingroup
3851 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3852 \aftergroup\@s@bidi@AfterClass
3853 \else
3854 \aftergroup\@bidi@AfterClass
3855 \fi
3856 \endgroup{#2}%
3857 }
3858
3859 \newcommand*{\@bidi@AfterClass}[1]{%
3860 \bidi@set@load@hook{after}{#1.\@clsextension}}
3861 \newcommand*{\@s@bidi@AfterClass}[1]{%
3862 \begingroup
3863 \@ifclassloaded{#1}{%
3864 \aftergroup\@secondoftwo
3865 }{%
3866 \aftergroup\@bidi@AfterClass
3867 }%
3868 \endgroup
3869 {#1}%
3870 }
3871
3872
3873 \newcommand*{\@bidi@BeforePackage}[1]{%
3874 \bidi@set@load@hook{before}{#1.\@pkgextension}}
3875 \newcommand*{\@bidi@AfterPackage}{%
3876 \@ifstar {\@s@bidi@AfterPackage}{%
3877 \@ifnextchar +\@@bidi@AfterPackage{%
3878 \@ifnextchar !\@@@bidi@AfterPackage\@bidi@AfterPackage
3879 }%
3880 }%
3881 }
3882 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3883 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3884 \aftergroup\@s@bidi@AfterPackage
3885 \else
3886 \aftergroup\@bidi@AfterAtEndOfPackage
3887 \fi
3888 \endgroup{#2}%
3889 }
3890 \newcommand*{\@bidi@AfterAtEndOfPackage}[1]{%
3891 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}

```



```

3892 \newcommand*{\@@bidi@AfterPackage}[2]{%
3893   \begingroup
3894     \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3895       \aftergroup\@s@bidi@AfterPackage
3896     \else
3897       \aftergroup\@bidi@AfterPackage
3898     \fi
3899   \endgroup{#2}%
3900 }
3901 \newcommand*{\@bidi@AfterPackage}[1]{%
3902   \bidi@set@load@hook{after}{#1.\@pkgextension}}
3903 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3904   \begingroup
3905     \ifpackageloaded{#1}{%
3906       \aftergroup\@secondoftwo
3907     }{%
3908       \aftergroup\@bidi@AfterPackage
3909     }%
3910   \endgroup
3911   {#1}%
3912 }
3913
3914 \newcommand*{\bidi@excludedpackages}{}
3915 \let\bidi@excludedpackages\@empty
3916 \newcommand*{\bidi@saved@RequirePackage}{}
3917 \newcommand*{\bidi@PreventPackageFromLoading}{%
3918   \ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3919     {\@bidi@PreventPackageFromLoading\PackageWarning}%
3920 }
3921 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3922   \ifnextchar [%]
3923     {\@@bidi@PreventPackageFromLoading#1}{\@@bidi@PreventPackageFromLoading#1[]}%
3924 }
3925 \newcommand*{\@@bidi@PreventPackageFromLoading}{}
3926
3927 \def\@@bidi@PreventPackageFromLoading#1[#2]#3{%
3928   \edef\reserved@b{\zap@space#3 \@empty}%
3929   \ifx \reserved@b\@empty
3930     #1{\bidi@tools}{%
3931       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3932       argument ignored%
3933     }%
3934   \else
3935     \ifx\bidi@excludedpackages\@empty
3936       \let\bidi@saved@RequirePackage\RequirePackage
3937       \let\RequirePackage\bidi@RequirePackage
3938       \def\reserved@a##1##{%
3939         \@latex@error
3940         {\noexpand \usepackage before \string\documentclass}%
3941         {\noexpand \usepackage may only appear in the document

```



```

3942     preamble, i.e.,\MessageBreak
3943     between \noexpand\documentclass and
3944     \string\begin{document}.}%
3945     \@gobble}%
3946   \ifx\reserved@a\usepackage\else
3947     \ifx\usepackage\bid@saved@RequirePackage\else
3948       \PackageWarning{biditools}{%
3949         Maybe serious problem: unexpected definition of\MessageBreak
3950         \string\usepackage
3951       }%
3952     \fi
3953     \let\usepackage\RequirePackage
3954   \fi
3955 \fi
3956 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3957 \reserved@b\do {%
3958   \ifx\reserved@a@empty
3959     #1{biditools}{%
3960       empty package argument for
3961       \string\bid@PreventPackageFromLoading\MessageBreak
3962       ignored%
3963     }%
3964   \else
3965     \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3966       #1{biditools}{%
3967         package '\reserved@a' already loaded.\MessageBreak
3968         Cannot prevent it from being loaded%
3969       }%
3970     }{%
3971       \edef\bid@excludedpackages{\bid@excludedpackages,%
3972         \reserved@a}%
3973       \if\relax\detokenize{#2}\relax\else
3974         \@ifundefined{bid@exclude@package@\reserved@a @do}{%
3975           \@namedef{bid@exclude@package@\reserved@a @do}{}%
3976         }{%
3977           \expandafter\def
3978             \csname bid@exclude@package@\reserved@a
3979               @do\expandafter\expandafter\expandafter\endcsname
3980             \expandafter\expandafter\expandafter{%
3981               \csname bid@exclude@package@\reserved@a @do\endcsname
3982               #2%
3983             }%
3984         \fi
3985       }%
3986     \fi
3987   }%
3988   \ifx\bid@excludedpackages@empty
3989     \bid@ResetPreventPackageFromLoading
3990   \fi
3991 \fi

```



```

3992 }
3993
3994 \@onlypreamble\bidipreventPackageFromLoading
3995 \newcommand*{\bidiresetpreventPackageFromLoading}{%
3996   \let\bidixcludedpackages\empty
3997   \ifx\RequirePackage\bidirequirePackage
3998     \ifx\usepackage\RequirePackage
3999       \let\usepackage\bidisavedRequirePackage
4000     \fi
4001   \let\RequirePackage\bidisavedRequirePackage
4002 \fi
4003 }
4004 \@onlypreamble\bidiresetpreventPackageFromLoading
4005 \newcommand*{\bidistorepreventPackageFromLoading}[1]{%
4006   \let#1\bidixcludedpackages
4007 }
4008 \@onlypreamble\bidistorepreventPackageFromLoading
4009 \newcommand*{\bidiunpreventPackageFromLoading}{%
4010   \@ifstar {\@tempwatrue\bidiunpreventPackageFromLoading}%
4011             {\@tempwafalse\bidiunpreventPackageFromLoading}%
4012 }
4013
4014 \newcommand*{\@bidiunpreventPackageFromLoading}[1]{%
4015   \edef\reserved@a{\zap@space#1 \empty}%
4016   \if@tempswa
4017     \@for\reserved@a:=\reserved@a\do {%
4018       \ifx\reserved@a\empty \else
4019         \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
4020           \expandafter\let
4021           \csname bidi@exclude@package@\reserved@a @do\endcsname
4022           \undefined
4023         \fi
4024       \fi
4025     }%
4026   \fi
4027   \ifcsname bidi@excludedpackages\endcsname
4028     \let\reserved@a\bidixcludedpackages
4029     \let\bidixcludedpackages\empty
4030     \expandafter\@for\expandafter\reserved@c
4031     \expandafter:\expandafter=\reserved@a
4032     \do{%
4033       \ifx\reserved@c\empty\else
4034         \@expandtwoargs\in{\,\reserved@c,\,\reserved@a}%
4035         \ifin@
4036         \else
4037           \edef\bidixcludedpackages{%
4038             \bidixcludedpackages,\reserved@c
4039           }%
4040         \fi
4041       \fi

```



```

4042 }%
4043 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
4044 \fi
4045 }
4046
4047
4048 \newcommand*{\bidix@RequirePackage}[2] [] {%
4049 \let\reserved@c\@empty
4050 \let\reserved@d\@empty
4051 \edef\reserved@b{\zap@space#2 \@empty}%
4052 \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
4053 \do {%
4054 \begingroup
4055 \@tempswattrue
4056 \@for\reserved@a:=\bidix@excludedpackages\do {%
4057 \ifx\reserved@a\reserved@b
4058 \@tempswafalse
4059 \fi
4060 }%
4061 \if@tempswa
4062 \xdef\reserved@c{\reserved@c,\reserved@b}%
4063 \else
4064 \ifx\reserved@b\@empty\else
4065 \PackageInfo{biditools}{Excluding package `\'reserved@b'\MessageBreak
4066 from loading}%
4067 \@ifundefined{bidix@exclude@package@\reserved@b @do}{%
4068 }{%
4069 \expandafter\g@addto@macro\expandafter\reserved@d
4070 \csname bidix@exclude@package@\reserved@b @do\endcsname
4071 }%
4072 \fi
4073 \fi
4074 \endgroup
4075 }%
4076 \ifx\reserved@c\@empty
4077 \let\reserved@a\bidix@gobbleopt
4078 \else
4079 \edef\reserved@a{\noexpand\bidix@savex@RequirePackage[#1]{%
4080 \expandafter\@gobble\reserved@c\@empty}}%
4081 \fi
4082 \expandafter\reserved@d
4083 \reserved@a
4084 }
4085
4086 \newcommand{\bidix@gobbleopt}[1] [] {}
4087 \AtEndDocument{%
4088 \let\bidix@savex@checkend=\@checkend
4089 \renewcommand*{\@checkend}[1] {%
4090 \def\reserved@a{#1}\def\reserved@b{document}%
4091 \bidix@savex@checkend{#1}%

```



```

4092 \ifx\reserved@a\reserved@b
4093 \let\bidisaved@clearpage=\clearpage
4094 \renewcommand*{\clearpage}{\bidisaved@clearpage
4095 \bidihook@bcma
4096 \bidirestore@newpage
4097 \let\clearpage=\bidisaved@clearpage}%
4098 \fi%
4099 \let\bidisaved@dofilelist@dofilelist
4100 \def\dofilelist{%
4101 \bidihook@acma
4102 \let\dofilelist\bidisaved@dofilelist
4103 \bidisaved@dofilelist
4104 }%
4105 }%
4106 }
4107
4108
4109 \newcommand*{\bidisaved@checkend}{%
4110 \newcommand*{\bidisaved@dofilelist}{%
4111 \newcommand*{\bidiredefine@newpage}{%
4112 \let\bidisaved@newpage\newpage
4113 \def\bidirestore@newpage{%
4114 \renewcommand*{\newpage}{%
4115 \PackageWarningNoLine{%
4116 biditools%
4117 }{%
4118 \string\newpage\space at main aux file!\MessageBreak
4119 You have output material at the main aux file.\MessageBreak
4120 Note, that the \string\bidibeforeclosingmainaux\space commands\MessageBreak
4121 are processed before the output from aux file%
4122 }%
4123 \let\newpage\bidisaved@newpage
4124 \newpage
4125 }%
4126 }%
4127 \renewcommand*{\newpage}{%
4128 \PackageError{%
4129 biditools%
4130 }{%
4131 \string\newpage\space at \string\bidibeforeclosingmainaux
4132 }{%
4133 You should never use \string\newpage\space or
4134 \string\clear(double)page or other output material at the\MessageBreak
4135 argument of \string\bidibeforeclosingmainaux!\MessageBreak
4136 If you'll continue, the \string\newpage\space will be ignored to
4137 avoid corruption of\MessageBreak
4138 every prior use of \string\bidibeforeclosingmainaux.
4139 }%
4140 }%
4141 }

```




```

4142
4143 \newcommand*{\bidi@restore@newpage}{}
4144 \newcommand*{\bidi@hook@bcma}{}
4145 \newcommand*{\bidi@hook@acma}{}
4146 \newcommand*{\bidi@BeforeClosingMainAux}{%
4147   \ifx\bidi@hook@bcma\@empty
4148     \gdef\bidi@hook@bcma{%
4149       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
4150       \let\protected@write\bidi@protected@immediate@write
4151       \bidi@redefine@newpage
4152     }%
4153   \fi
4154   \g@addto@macro\bidi@hook@bcma%
4155 }
4156
4157 \newcommand*{\bidi@AfterReadingMainAux}{%
4158   \ifx\bidi@hook@acma\@empty
4159     \gdef\bidi@hook@acma{%
4160       \renewcommand*{\bidi@AfterReadingMainAux}[1]{###1}%
4161       \let\protected@write\bidi@protected@immediate@write
4162     }%
4163   \fi
4164   \g@addto@macro\bidi@hook@acma%
4165 }
4166
4167 \long\def\bidi@protected@immediate@write#1#2#3{%
4168   \begingroup
4169     #2%
4170     \let\protect\@unexpandable@protect
4171     \edef\reserved@a{\immediate\write#1{#3}}%
4172     \reserved@a
4173   \endgroup
4174   \if@nobreak\ifvmode\nobreak\fi\fi
4175 }
4176
4177 \def\bidi@patch@counter{0}%
4178 \if@bidi@csundef{numexpr}{%
4179   \def\bidi@patch@stepcounter{%
4180     \begingroup
4181       \count@\bidi@patch@counter\relax
4182       \advance\count@\@ne\relax
4183     \edef\x{\endgroup
4184       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
4185     }%
4186     \x
4187   }%
4188 }{%
4189   \def\bidi@patch@stepcounter{%
4190     \edef\bidi@patch@counter{%
4191       \the\numexpr\bidi@patch@counter+\@ne\relax

```



```

4192 }%
4193 }%
4194 }
4195 \def\bidipatch@list{}
4196 \def\bidipatch@Add{%
4197   \bidipatch@list
4198 }
4199 \def\bidipatch@AfterPackage#1{%
4200   \ifpackageloaded{#1}{%
4201     \@firstofone
4202   }{%
4203     \@bidipatch@AfterPackage{#1}%
4204   }%
4205 }
4206 \def\@bidipatch@AfterPackage#1{%
4207   \edef\bidipatch@temp{#1}%
4208   \bidipatch@stepcounter
4209   \expandafter\bidipatch@@AfterPackage
4210   \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
4211     \bidipatch@temp
4212   }%
4213 }
4214 \def\bidipatch@@AfterPackage#1#2#3{%
4215   \begingroup
4216     \toks@{#3}%
4217     \xdef\bidipatch@gtemp{%
4218       \noexpand\@ifpackageloaded{#2}{%
4219         \noexpand\let\noexpand#1\noexpand\relax
4220         \the\toks@
4221       }{}%
4222     }%
4223   \endgroup
4224   \let#1\bidipatch@gtemp
4225   \bidipatch@Add#1%
4226   \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
4227 }
4228
4229 \def\bidipatch@try#1#2#3{%
4230   \if@bidicsundef{#1}{-}{%
4231     \csname #1\endcsname{#2}{#3}%
4232   }%
4233 }
4234
4235 \AtBeginDocument{\bidipatch@list}
4236
4237 \bidipatch@AtEndPreamble{\bidipatch@list}%
4238
4239 \bidipatch@AfterEndPreamble{%
4240   \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
4241   \let\bidipatch@OrgIfPackageLater\@ifpackagelater

```



```

4242 \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
4243 \let\bidipatch@OrgIfClassLater\@ifclasslater
4244 \bidipatch@list
4245 \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded
4246 \let\@ifpackagelater\bidipatch@OrgIfPackageLater
4247 \let\@ifclassloaded\bidipatch@OrgIfClassLoaded
4248 \let\@ifclasslater\bidipatch@OrgIfClassLater
4249 }%

```

21 File bidentuftefloat.sty

```

4250 \NeedsTeXFormat{LaTeX2e}
4251 \ProvidesPackage{bidentuftefloat}[2017/05/19 v0.2
4252 bidi implementation of tufte float]
4253 \RequirePackage{xifthen}
4254 \newcommand{\@bidentuftefloat@pkgname}{bidentuftefloat}
4255 \newcommand{\@bidentuftefloatError}[2]{\PackageError{\@bidentuftefloat@pkgname}{#1}{#2}}
4256 \newcommand{\@bidentuftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidentuftefloat@debug}}{\@bidentuftefloatDebugInfoNL{#1}}{} }
4257 \newcommand{\@bidentuftefloatInfoNL}[1]{\PackageInfo{\@bidentuftefloat@pkgname}{#1\@gobble}}
4258 \newboolean{\@bidentuftefloat@reversegeometry}
4259 \setboolean{\@bidentuftefloat@reversegeometry}{false}
4260 \DeclareOption{reversegeometry}{\setboolean{\@bidentuftefloat@reversegeometry}{true}}
4261 \newboolean{\@bidentuftefloat@a4paper}
4262 \DeclareOption{a4paper}{\setboolean{\@bidentuftefloat@a4paper}{true}}
4263 \newboolean{\@bidentuftefloat@b5paper}
4264 \DeclareOption{b5paper}{\setboolean{\@bidentuftefloat@b5paper}{true}}
4265 \newboolean{\@bidentuftefloat@symmetric}
4266 \newboolean{\@bidentuftefloat@twoside}
4267 \DeclareOption{twoside}{%
4268 \@twosidefalse \mparswitchtrue%
4269 \setboolean{\@bidentuftefloat@twoside}{true}%
4270 \setboolean{\@bidentuftefloat@symmetric}{true}%
4271 }
4272 \DeclareOption{oneside}{%
4273 \@twosidefalse \mparswitchfalse%
4274 \setboolean{\@bidentuftefloat@twoside}{false}%
4275 \setboolean{\@bidentuftefloat@symmetric}{false}%
4276 }
4277 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4278 \newboolean{\@bidentuftefloat@debug}
4279 \newcommand*\@bidentuftefloat@caption@justification{\@bidentuftefloat@justification@autodetect}
4280 \ProcessOptions
4281 %% Globally sets the length
4282 \newcommand*\gsetlength[2]{%
4283 \setlength{#1}{#2}%
4284 \global#1=#1\relax%
4285 }
4286
4287 %% Set the font sizes and baselines to match bidentuftefloat's books
4288 \renewcommand\normalsize{%

```



```

4289 \@setfontsize\normalsize\@xpt{14}%
4290 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4291 \abovedisplayshortskip \z@ \@plus3\p@
4292 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4293 \belowdisplayskip \abovedisplayskip
4294 \let\@listi\@listI}
4295 \normalbaselineskip=14pt
4296 \normalsize
4297 \renewcommand\footnotesize{%
4298 \@setfontsize\footnotesize\@viipt{10}%
4299 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4300 \abovedisplayshortskip \z@ \@plus\p@
4301 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4302 \def\@listi{\leftmargin\leftmarginI
4303             \topsep 3\p@ \@plus\p@ \@minus\p@
4304             \parsep 2\p@ \@plus\p@ \@minus\p@
4305             \itemsep \parsep}%
4306 \belowdisplayskip \abovedisplayskip
4307 }
4308 %% Paragraph indentation and separation for marginal text
4309 \newcommand{\@biditytfloat@margin@par}{%
4310 \setlength{\RaggedRightParindent}{0.5pc}%
4311 \setlength{\JustifyingParindent}{0.5pc}%
4312 \setlength{\parindent}{0.5pc}%
4313 \setlength{\parskip}{0pt}%
4314 }
4315 \RequirePackage{ragged2e}
4316 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
4317 \RequirePackage[letterpaper, right=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginpar=]{}
4318 \ifthenelse{\boolean{@biditytfloat@a4paper}}{
4319 {\geometry{a4paper, right=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginpar=}}
4320 {}
4321 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}{
4322 {\geometry{paperwidth=176mm, paperheight=250mm, right=14.66mm, top=13.88mm, textwidth=102.66mm, marginpar=}}
4323 {}}%
4324 \RequirePackage[letterpaper, left=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginpar=]{}
4325 \ifthenelse{\boolean{@biditytfloat@a4paper}}{
4326 {\geometry{a4paper, left=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginpar=}}
4327 {}
4328 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}{
4329 {\geometry{paperwidth=176mm, paperheight=250mm, left=14.66mm, top=13.88mm, textwidth=102.66mm, marginpar=}}
4330 {}
4331 \ifthenelse{\boolean{@biditytfloat@symmetric}}{
4332 {}
4333 {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
4334 \setlength\marginparpush{10pt}
4335 %% Font for margin items
4336 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
4337 \newcommand*{\@biditytfloat@captionfont}{\@biditytfloat@marginfont}
4338 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@captionfont}{#1}}

```



```

4339 \newcommand{\@biditytfloat@justification}{\justifying}%
4340 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4341 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4342 \newboolean{@biditytfloat@changepage}
4343 \IfFileExists{changepage.sty}{%
4344   \biditytfloatDebugInfoNL{Found changepage.sty}
4345   \RequirePackage[strict]{changepage}
4346   \setboolean{@biditytfloat@changepage}{true}
4347 }{%
4348   \biditytfloatDebugInfoNL{Found chngpage.sty}
4349   \RequirePackage[strict]{chngpage}
4350   \setboolean{@biditytfloat@changepage}{false}
4351 }
4352 \newboolean{@biditytfloat@odd@page}
4353 \setboolean{@biditytfloat@odd@page}{true}
4354 \newcommand*{\@biditytfloat@checkoddpages}{%
4355   \checkoddpages%
4356   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
4357     \ifoddpages%
4358       \setboolean{@biditytfloat@odd@page}{true}%
4359     \else%
4360       \setboolean{@biditytfloat@odd@page}{false}%
4361     \fi%
4362   }{%
4363     \ifcpoddpages%
4364       \setboolean{@biditytfloat@odd@page}{true}%
4365     \else%
4366       \setboolean{@biditytfloat@odd@page}{false}%
4367     \fi%
4368   }%
4369 }
4370 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running heads
4371 \newlength{\@biditytfloat@fullwidth}
4372 \newlength{\@biditytfloat@caption@fill}
4373 \newcommand{\@biditytfloatRecalculate}{%
4374   \setlength{\@biditytfloat@overhang}{\marginparwidth}
4375   \addtolength{\@biditytfloat@overhang}{\marginparsep}
4376
4377   \setlength{\@biditytfloat@fullwidth}{\textwidth}
4378   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
4379   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
4380
4381   \setlength{\@biditytfloat@caption@fill}{\textwidth}
4382   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
4383 }
4384 \AtBeginDocument{\@biditytfloatRecalculate}
4385 \RequirePackage{optparams}% provides multiple optional arguments for commands
4386 \RequirePackage{placeins}
4387 \newsavebox{\@biditytfloat@margin@floatbox}
4388 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%

```



```

4389 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
4390 \begin{lrbox}{\@bittuftefloat@margin@floatbox}%
4391 \begin{minipage}{\marginparwidth}%
4392   \@bittuftefloat@caption@font%
4393   \def\@capttype{#2}%
4394   \hbox{\vspace*{#1}%
4395     \@bittuftefloat@caption@justification%
4396     \@bittuftefloat@margin@par%
4397     \noindent%
4398   }
4399 {\end{minipage}%
4400 \end{lrbox}%
4401 \marginpar{\usebox{\@bittuftefloat@margin@floatbox}}%
4402 }
4403 \newenvironment{marginfigure}[1][[-1.2ex]%
4404   {\begin{\@bittuftefloat@margin@float}[#1]{figure}}
4405   {\end{\@bittuftefloat@margin@float}}
4406 \newenvironment{margintable}[1][[-1.2ex]%
4407   {\begin{\@bittuftefloat@margin@float}[#1]{table}}
4408   {\end{\@bittuftefloat@margin@float}}
4409 \newcommand*{\@bittuftefloat@justification@autodetect}{\justifying}%
4410
4411 \newcommand{\@bittuftefloat@float@debug@info}{}% contains debug info generated as the float is processed
4412 \newcommand{\@bittuftefloat@float@debug}[1]{% adds debug info to the queue for output
4413   \ifthenelse{\equal{\@bittuftefloat@float@debug@info}{}}{
4414     {\def\@bittuftefloat@float@debug@info{#1}}%
4415     {\g@addto@macro\@bittuftefloat@float@debug@info{\MessageBreak#1}}%
4416 }
4417 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4418 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bittuftefloat@float@debug@info{setfloatalignment: #1}}
4419 \newboolean{\@bittuftefloat@float@recto}
4420 \newcommand{\forcerectofloat}{\GlobalSetBoolean{\@bittuftefloat@float@recto}{true}\@bittuftefloat@float@debug@info{forcerectofloat}}
4421 \newcommand{\forceversofloat}{\GlobalSetBoolean{\@bittuftefloat@float@recto}{false}\@bittuftefloat@float@debug@info{forceversofloat}}
4422 \newsavebox{\@bittuftefloat@figure@box}
4423 \newsavebox{\@bittuftefloat@caption@box}
4424 \let\@bittuftefloat@orig@float\@float
4425 \let\@bittuftefloat@orig@endfloat\endfloat
4426 \newlength{\@bittuftefloat@caption@vertical@offset}
4427 \setlength{\@bittuftefloat@caption@vertical@offset}{0pt}
4428 \newcommand{\@bittuftefloat@stored@shortcaption}{%
4429 \newcommand{\@bittuftefloat@stored@caption}{%
4430 \newcommand{\@bittuftefloat@stored@label}{%
4431 \long\def\@bittuftefloat@caption[#1][#2]#3{%
4432   \ifthenelse{\isempty{#1}}{
4433     {\gdef\@bittuftefloat@stored@shortcaption{#3}}%
4434     {\gdef\@bittuftefloat@stored@caption{#1}}%
4435     \gsetlength{\@bittuftefloat@caption@vertical@offset}{-#2}% we want a positive offset to lower the caption
4436     \gdef\@bittuftefloat@stored@caption{#3}%
4437 }
4438 \newcommand{\@bittuftefloat@label}[1]{%

```



```

4439 \gdef\@biditytfloat@stored@label{#1}%
4440 }
4441 \newcommand{\@biditytfloat@fps}{%
4442 \newboolean{\@biditytfloat@float@star}%
4443 \newlength{\@biditytfloat@float@contents@width}%
4444 \newenvironment{\@biditytfloat@float}[3][htbp]%
4445 {% begin \@biditytfloat@float
4446 % Should this float be full-width or just text-width?
4447 \ifthenelse{\equal{#3}{star}}{%
4448 {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
4449 {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
4450 % Check page side (recto/verso) and store detected value -- can be overridden in environment
4451 \@biditytfloat@checkoddpages%
4452 \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
4453 {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Detecting recto}}
4454 {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Detecting verso}}
4455 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4456 \renewcommand{\@biditytfloat@fps}{#1}%
4457 \@biditytfloat@float@debug{Allowed positions: [ #1 ]}%
4458 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
4459 {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bottom]}}
4460 {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top]}}
4461 % Capture the contents of the \caption and \label commands to use later
4462 \global\let\@biditytfloat@orig@caption\caption%
4463 \global\let\@biditytfloat@orig@label\label%
4464 \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[ #1 ]}}%
4465 \renewcommand{\label}{[1]{\@biditytfloat@label{##1}}}%
4466 % Handle subfigure package compatibility
4467 \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
4468 \bidi@patchcmd{\subfigure}{%
4469 \let\subfig@oldlabel=\label
4470 }{%
4471 \let\subfig@oldlabel=\@biditytfloat@orig@label
4472 }
4473 {}
4474 {}
4475 \let\subtable=\subfigure
4476 }{% subfigure package is not loaded
4477 \@biditytfloat@orig@float{#2}[ #1 ]%
4478 \ifthenelse{\boolean{\@biditytfloat@float@star}}{%
4479 {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4480 {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4481 \begin{lrbox}{\@biditytfloat@figure@box}%
4482 \begin{minipage}[floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4483 }% end \@biditytfloat@float
4484 \par\hbox{}% \vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% align
4485 \end{minipage}%
4486 \end{lrbox}%
4487 % build the caption box
4488 \begin{lrbox}{\@biditytfloat@caption@box}%

```



```

4489 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4490 \ifthenelse{\NOT\equal{\@bittuftefloat@stored@caption}}{\@bittuftefloat@orig@capt
4491 \ifthenelse{\NOT\equal{\@bittuftefloat@stored@label}}{\@bittuftefloat@orig@label{
4492 \par\vspace{-\prevdepth}}%% TODO: DOUBLE-CHECK FOR SAFETY
4493 \end{minipage}%
4494 \end{lrbox}%
4495 % now typeset the stored boxes
4496 \begin{fullwidth}%
4497 \begin{minipage}[\floatalignment]{\linewidth}%
4498 \ifthenelse{\boolean{@bittuftefloat@float@star}}%
4499 {\@bittuftefloat@float@fullwidth[\@bittuftefloat@caption@vertical@offset]{\@bittu
4500 {\@bittuftefloat@float@textwidth[\@bittuftefloat@caption@vertical@offset]{\@bittu
4501 \end{minipage}%
4502 \end{fullwidth}%
4503 \@bittuftefloat@orig@endfloat% end original LaTeX float environment
4504 % output debug info
4505 \ifthenelse{\boolean{@bittuftefloat@debug}}{%
4506 \typeout{^^J^^J----- bittuftefloat package float information -----}%
4507 \ifthenelse{\equal{\@bittuftefloat@stored@label}}{%
4508 {\typeout{Warning: Float unlabeled!}}%
4509 {\typeout{Float label: [\@bittuftefloat@stored@label]}}%
4510 \typeout{Page number: [\thepage]}%
4511 \def\MessageBreak{^^J}%
4512 \typeout{\@bittuftefloat@float@debug@info}%
4513 \ifthenelse{\boolean{@bittuftefloat@symmetric}}%
4514 {\typeout{Symmetric: [true]}}%
4515 {\typeout{Symmetric: [false]}}%
4516 \typeout{-----^^J^^J}%
4517 }{}%
4518 % reset commands and temp boxes and captions
4519 \gdef\@bittuftefloat@float@debug@info{%
4520 \let\caption\@bittuftefloat@orig@caption%
4521 \let\label\@bittuftefloat@orig@label%
4522 \begin{lrbox}{\@bittuftefloat@figure@box}\hbox{}\end{lrbox}%
4523 \begin{lrbox}{\@bittuftefloat@caption@box}\hbox{}\end{lrbox}%
4524 \gdef\@bittuftefloat@stored@shortcaption{%
4525 \gdef\@bittuftefloat@stored@caption{%
4526 \gdef\@bittuftefloat@stored@label{%
4527 \gsetlength{\@bittuftefloat@caption@vertical@offset}{0pt}% reset caption offset
4528 }
4529 \newcommand{\@bittuftefloat@float@textwidth}[3][0pt]{%
4530 \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}\OR\boolean{@bittuftefloat@float@recto}}{
4531 % asymmetric or page is odd, so caption is on the right
4532 \hbox{%
4533 \usebox{#2}%
4534 \hspace{\marginparsep}%
4535 \smash{\raisebox{#1}{\usebox{#3}}}%
4536 }
4537 \@bittuftefloat@float@debug{Caption position: [right]}%
4538 }{}% symmetric pages and page is even, so caption is on the left

```




```

4539 \hbox{%
4540 \smash{\raisebox{#1}{\usebox{#3}}}%
4541 \hspace{\marginparsep}%
4542 \usebox{#2}%
4543 }
4544 \@biditytfloat@float@debug{Caption position: [left]]%
4545 }%
4546 }
4547 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4548 \ifthenelse{equal{\floatalignment}{b}}{%
4549 {% place caption above figure
4550 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\OR\boolean{@biditytfloat@float@re
4551 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{
4552 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{
4553 }{% place caption below figure
4554 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\OR\boolean{@biditytfloat@float@re
4555 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{
4556 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{
4557 }%
4558 }
4559 \renewenvironment{figure}[1][htbp]{%
4560 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4561 {\end{@biditytfloat@float}}
4562 \renewenvironment{table}[1][htbp]{%
4563 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4564 {\end{@biditytfloat@float}}
4565 \renewenvironment{figure*}[1][htbp]{%
4566 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4567 {\end{@biditytfloat@float}}
4568 \renewenvironment{table*}[1][htbp]{%
4569 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4570 {\end{@biditytfloat@float}}
4571 \newenvironment{fullwidth}{%
4572 {\ifthenelse{\boolean{@biditytfloat@symmetric}}{%
4573 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@
4574 {\begin{adjustwidth}{-}\@biditytfloat@overhang}}%
4575 }%
4576 {\ifthenelse{\boolean{@biditytfloat@symmetric}}{%
4577 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}%
4578 {\end{adjustwidth}}}%
4579 }
4580 \long\def\@caption#1[#2]#3{%
4581 \par%
4582 \addcontentsline{\csname ext@#1\endcsname}{#1}%
4583 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4584 \begingroup%
4585 \@parboxrestore%
4586 \if@minipage%
4587 \@setminipage%
4588 \fi%

```



```

4589 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4590 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4591 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4592 \endgroup}
4593 %%
4594 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4595 \DeclareRobustCommand{\@biditytthead@newlinetospace}{%
4596 \ifstar{\@biditytthead@newlinetospace@i}{\@biditytthead@newlinetospace@i}%
4597 }
4598 \def\@biditytthead@newlinetospace@i{%
4599 \ifdim\lastskip>\z@\else\space\fi
4600 \ignorespaces%
4601 }
4602 \DeclareRobustCommand{\newlinetospace}[1]{%
4603 \let\@biditytthead@orig@cr\\% save the original meaning of \\
4604 \def\\{\@biditytthead@newlinetospace}% turn \\ and \\* into \space
4605 \let\newline\\% turn \newline into \space
4606 #1%
4607 \let\\\@biditytthead@orig@cr% revert to original meaning of \\
4608 }
4609 \RequirePackage{fancyhdr}
4610 \pagestyle{fancy}
4611 \AtBeginDocument{%
4612 \ifthenelse{\boolean{@biditytfloat@symmetric}}{
4613 {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
4614 {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
4615 }
4616 % The running heads/feet don't have rules
4617 \renewcommand{\headrulewidth}{0pt}
4618 \renewcommand{\footrulewidth}{0pt}
4619 % The 'fancy' page style is the default style for all pages.
4620 \fancyhf{} % clear header and footer fields
4621 \ifthenelse{\boolean{@biditytfloat@symmetric}}{
4622 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4623 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4624 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4625 % The 'plain' page style is used on chapter opening pages.
4626 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4627 % bottom of pages -- the folios are unexpressed.
4628 \fancypagestyle{plain}{
4629 \fancyhf{} % clear header and footer fields
4630 % Uncomment the following five lines of code if you want the opening page
4631 % of the chapter to express the folio in the lower outside corner.
4632 % \ifthenelse{\boolean{@biditytfloat@symmetric}}{
4633 % {\fancyfoot[LE,RO]{\thepage}}
4634 % {\fancyfoot[RE,RO]{\thepage}}
4635 }
4636 % The 'empty' page style suppresses all headers and footers.
4637 % It's used on title pages and 'intentionally blank' pages.
4638 \fancypagestyle{empty}{

```



```

4639 \fancyhf{} % clear header and footer fields
4640 }
4641 \def\morefloats{% provides a total of 52 floats
4642 \ifthenelse{\isundefined{\bx@S}}{%
4643 \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4644 \newinsert\bx@S
4645 \newinsert\bx@T
4646 \newinsert\bx@U
4647 \newinsert\bx@V
4648 \newinsert\bx@W
4649 \newinsert\bx@X
4650 \newinsert\bx@Y
4651 \newinsert\bx@Z
4652 \newinsert\bx@a
4653 \newinsert\bx@b
4654 \newinsert\bx@c
4655 \newinsert\bx@d
4656 \newinsert\bx@e
4657 \newinsert\bx@f
4658 \newinsert\bx@g
4659 \newinsert\bx@h
4660 \newinsert\bx@i
4661 \newinsert\bx@j
4662 \newinsert\bx@k
4663 \newinsert\bx@l
4664 \newinsert\bx@m
4665 \newinsert\bx@n
4666 \newinsert\bx@o
4667 \newinsert\bx@p
4668 \newinsert\bx@q
4669 \newinsert\bx@r
4670 \newinsert\bx@s
4671 \newinsert\bx@t
4672 \newinsert\bx@u
4673 \newinsert\bx@v
4674 \newinsert\bx@w
4675 \newinsert\bx@x
4676 \newinsert\bx@y
4677 \newinsert\bx@z
4678 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4679 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4680 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4681 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4682 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4683 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4684 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4685 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4686 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4687 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4688 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v

```



```

4689         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4690     }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4691     \ifthenelse{\isundefined{\bx@AA}}{%
4692         \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4693         \newinsert\bx@AA
4694         \newinsert\bx@BB
4695         \newinsert\bx@CC
4696         \newinsert\bx@DD
4697         \newinsert\bx@EE
4698         \newinsert\bx@FF
4699         \newinsert\bx@GG
4700         \newinsert\bx@HH
4701         \newinsert\bx@II
4702         \newinsert\bx@JJ
4703         \newinsert\bx@KK
4704         \newinsert\bx@LL
4705         \newinsert\bx@MM
4706         \newinsert\bx@NN
4707         \newinsert\bx@OO
4708         \newinsert\bx@PP
4709         \newinsert\bx@QQ
4710         \newinsert\bx@RR
4711         \newinsert\bx@SS
4712         \newinsert\bx@TT
4713         \newinsert\bx@UU
4714         \newinsert\bx@VV
4715         \newinsert\bx@WW
4716         \newinsert\bx@XX
4717         \newinsert\bx@YY
4718         \newinsert\bx@ZZ
4719     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4720         \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4721         \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4722         \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4723         \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4724         \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4725         \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4726         \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4727         \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4728         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4729         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4730         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4731         \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4732         \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4733         \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4734         \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4735         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4736         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4737     }{%
4738     \bidituftefloatError{You may only call \string\morefloats\space twice. See the\MessageB

```



```

4739         {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\N
4740     }%
4741 }%
4742 }
4743 \newboolean{@biditytfloat@packages@subfigure}
4744 \setboolean{@biditytfloat@packages@subfigure}{false}
4745 \AtBeginDocument{%
4746     \ifpackageloaded{subfigure}
4747     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4748     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
4749 }
4750 \AtBeginDocument{%
4751     \ifpackageloaded{float}{%
4752         % Save the redefined float environment (instead of the LaTeX float environment)
4753         \let\@biditytfloat@orig@float\@float
4754         \let\@biditytfloat@orig@endfloat\endfloat
4755
4756         % Define Tuftian float styles (with the caption in the margin)
4757         \newcommand{\floatc@biditytfloatplain}[2]{%
4758             \begin{lrbox}{\@biditytfloat@caption@box}%
4759                 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4760                     \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4761                 }
4762             \end{lrbox}%
4763             \smash{\hspace{\@biditytfloat@caption@fill}\usebox{\@biditytfloat@caption@box}}%
4764         }
4765         \newcommand{\fs@biditytfloatplain}{%
4766             \def\@fs@cfont{\@biditytfloat@caption@font}%
4767             \let\@fs@capt\floatc@biditytfloatplain%
4768             \def\@fs@pre{}%
4769             \def\@fs@post{}%
4770             \def\@fs@mid{}%
4771             \let\@fs@iftopcapt\iftrue%
4772         }
4773         \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4774         \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4775         \newcommand\floatc@biditytfloatruled[2]{%
4776             {\@fs@cfont #1} #2\par%
4777         }
4778         \newcommand\fs@biditytfloatruled{%
4779             \def\@fs@cfont{\@biditytfloat@caption@font}%
4780             \let\@fs@capt\floatc@biditytfloatplain%
4781             \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4782             \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4783             \def\@fs@mid{}%
4784             \let\@fs@iftopcapt\iftrue%
4785         }
4786         \newcommand\fs@biditytfloatboxed{%
4787             \def\@fs@cfont{}%
4788             \let\@fs@capt\floatc@biditytfloatplain%

```



```

4789 \def\@fs@pre{%
4790 \setbox\@currbox\vbox{\hbadness10000
4791 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4792 \hrule \hbox to\hsize{\vrule\kern3pt
4793 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4794 }%
4795 \def\@fs@mid{\kern2pt}%
4796 \def\@fs@post{%
4797 \let\@fs@iftopcapt\iftrue%
4798 }
4799 }{%
4800 % Nothing to do
4801 }
4802 }
4803 \AtBeginDocument{%
4804 \@ifpackageloaded{algorithm}{%
4805 % Set the float style to the Tufte version
4806 \ifthenelse{equal{\ALG@floatstyle}{plain}}\OR{equal{\ALG@floatstyle}{ruled}}\OR{equal{\ALG@floatstyle}{b1d}}{
4807 \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
4808 \floatstyle{bidituftefloat\ALG@floatstyle}}%
4809 \restylefloat{algorithm}%
4810 }{}%
4811 }{%
4812 % Nothing to do
4813 }
4814 }
4815 \PassOptionsToPackage{caption=false}{subfig}

```

```

4816 \NeedsTeXFormat{LaTeX2e}
4817 \ProvidesPackage{biditytutesidenote}[2017/08/09 v0.4
4818 bidi implementation of tufte sidenote]
4819 \RequirePackage{xifthen}
4820 \RequirePackage{ragged2e}
4821 \RequirePackage{setspace}
4822 \RequirePackage{biditytools}
4823 \def\biditytutesidenotemarginpar{%
4824   \ifhmode
4825     \@bsphack
4826     \@floatpenalty -\@Mii
4827   \else
4828     \@floatpenalty -\@Miii
4829   \fi
4830   \ifinner
4831     \@parmoderr
4832     \@floatpenalty \z@
4833   \else
4834     \@next\@currbox\@freelist{}-{}%
4835     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%

```



```

4836      {\@floatpenalty\z@
4837      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4838      \fi
4839      \@ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
4840 \long\def\@bidituftesidenotexmpar[#1]#2{%
4841   \@bidituftesidenotesavemarbox\@marbox{#1}%
4842   \@bidituftesidenotesavemarbox\@currbox{#2}%
4843   \@xympar}
4844 \long\def\@bidituftesidenoteympar#1{%
4845   \@bidituftesidenotesavemarbox\@marbox{#1}%
4846   \global\setbox\@currbox\copy\@marbox
4847   \@xympar}
4848 \long\def \@bidituftesidenotesavemarbox #1#2{%
4849   \global\setbox #1%
4850     \color@vbox
4851     \vtop{%
4852       \hsize\marginparwidth
4853       \@parboxrestore
4854       \@bidituftesidenotemarginparreset
4855       #2%
4856       \@minipagefalse
4857       \outer@nobreak
4858     }%
4859   \color@endbox
4860 }
4861 \def \@bidituftesidenotemarginparreset {%
4862   \reset@font
4863   \normalsize
4864   \@minipagetrue
4865   \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
4866 }
4867 \def\LTRbidituftesidenotemarginpar{%
4868   \ifhmode
4869     \@bsphack
4870     \@floatpenalty -\@Mii
4871   \else
4872     \@floatpenalty-\@Miii
4873   \fi
4874   \ifinner
4875     \@parmoderr
4876     \@floatpenalty\z@
4877   \else
4878     \@next\@currbox\@freelist{}{}%
4879     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4880     {\@floatpenalty\z@
4881     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4882   \fi
4883   \@ifnextchar [\@LTRbidituftesidenotexmpar\@LTRbidituftesidenoteympar}
4884 \long\def\@LTRbidituftesidenotexmpar[#1]#2{%
4885   \@LTRbidituftesidenotesavemarbox\@marbox{#1}%

```



```

4886 \@LTRbiditytesidenotesavemarbox\@currbox{#2}%
4887 \@xympar}
4888 \long\def\@LTRbiditytesidenoteympar#1{%
4889 \@LTRbiditytesidenotesavemarbox\@marbox{#1}%
4890 \global\setbox\@currbox\copy\@marbox
4891 \@xympar}
4892 \long\def \@LTRbiditytesidenotesavemarbox #1#2{%
4893 \global\setbox #1%
4894 \color@vbox
4895 \vtop{%
4896 \hsize\marginparwidth
4897 \@parboxrestore
4898 \@LTRbiditytesidenotemarginparreset
4899 #2%
4900 \@minipagefalse
4901 \outer@nobreak
4902 }%
4903 \color@endbox
4904 }
4905 \def \@LTRbiditytesidenotemarginparreset {%
4906 \reset@font
4907 \normalsize
4908 \@minipagetrue
4909 \everypar{\@minipagefalse\everypar{}\beginL}%
4910 }
4911 \def\RTLbiditytesidenotemarginpar{%
4912 \ifhmode
4913 \@bsphack
4914 \@floatpenalty -\@Mii
4915 \else
4916 \@floatpenalty-\@Miii
4917 \fi
4918 \ifinner
4919 \@parmoderr
4920 \@floatpenalty\z@
4921 \else
4922 \@next\@currbox\@freelist{}\}%
4923 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4924 {\@floatpenalty\z@
4925 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4926 \fi
4927 \@ifnextchar [\@RTLbiditytesidenotexmpar\@RTLbiditytesidenoteympar}
4928 \long\def\@RTLbiditytesidenotexmpar[#1]#2{%
4929 \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
4930 \@RTLbiditytesidenotesavemarbox\@currbox{#2}%
4931 \@xympar}
4932 \long\def\@RTLbiditytesidenoteympar#1{%
4933 \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
4934 \global\setbox\@currbox\copy\@marbox
4935 \@xympar}

```




```

4936 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4937   \global\setbox #1%
4938     \color@vbox
4939     \vtop{%
4940       \hsize\marginparwidth
4941       \@parboxrestore
4942       \@RTLbidityftesidenotemarginparreset
4943       #2%
4944       \@minipagefalse
4945       \outer@nobreak
4946     }%
4947   \color@endbox
4948 }
4949 \def \@RTLbidityftesidenotemarginparreset {%
4950   \reset@font
4951   \normalsize
4952   \@minipagetrue
4953   \everypar{\@minipagefalse\everypar{}\beginR}%
4954 }
4955 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4956 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
4957 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
4958 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4959 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
4960 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
4961 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4962 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
4963 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
4964 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4965 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
4966 \newcommand*{\@bidityftesidenote@RTLCitation@font}{\@bidityftesidenote@RTLmarginfont}
4967 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4968 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
4969 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
4970 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4971 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
4972 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
4973 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4974 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
4975 \newcommand*{\setRTLCitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLCitation@font}{#1}}
4976 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
4977 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
4978 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
4979 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4980 \newcommand{\@bidityftesidenote@margin@par}{%
4981   \setlength{\RaggedRightParindent}{0.5pc}%
4982   \setlength{\JustifyingParindent}{0.5pc}%
4983   \setlength{\parindent}{0.5pc}%
4984   \setlength{\parskip}{0pt}%
4985 }

```



```

4986%%
4987% Globally sets the length
4988 \ifundefined{gsetlength}{%
4989 \newcommand*{\gsetlength}[2]{%
4990   \setlength{#1}{#2}%
4991   \global#1=#1\relax%
4992 }%
4993 }{}
4994
4995%%
4996% A function that removes leading and trailing spaces from the supplied macro.
4997% Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4998% Executing \@biditytesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
4999% being trimmed of leading and trailing white space.
5000 \catcode\Q=3
5001 \def\@biditytesidenote@trim@spaces#1{%
5002   % Use grouping to emulate a multi-token afterassignment queue
5003   \begingroup%
5004   % Put \toks 0 {' into the afterassignment queue
5005   \aftergroup\toks\aftergroup0\aftergroup{%
5006   % Apply \trimb to the replacement text of #1, adding a leading
5007   % \noexpand to prevent brace stripping and to serve another purpose
5008   % later.
5009   \expandafter\@biditytesidenote@trim@b\expandafter\noexpand#1Q Q}%
5010   % Transfer the trimmed text back into #1.
5011   \edef#1{\the\toks0}%
5012 }
5013 % \trimb removes a trailing space if present, then calls \@biditytesidenote@trim@c to
5014 % clean up any leftover bizarre Qs, and trim a leading space. In
5015 % order for \trimc to work properly we need to put back a Q first.
5016 \def\@biditytesidenote@trim@b#1 Q{\@biditytesidenote@trim@c#1Q}
5017 % Execute \vfuzz assignment to remove leading space; the \noexpand
5018 % will now prevent unwanted expansion of a macro or other expandable
5019 % token at the beginning of the trimmed text. The \endgroup will feed
5020 % in the \aftergroup tokens after the \vfuzz assignment is completed.
5021 \def\@biditytesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
5022 \catcode\Q=11
5023%%
5024% Citations should go in the margin as sidenotes
5025
5026 \RequirePackage{natbib}
5027 \RequirePackage{bibentry} % allows bibitems to be typeset outside the bibliography environment
5028 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
5029 \renewcommand\BR@b@bibitem[2][]{%
5030   \ifthenelse{\isempty{#1}}{%
5031     {\BR@b@bibitem{#2}}%
5032     {\BR@b@bibitem[#1]{#2}}%
5033   }{\BR@c@bibitem{#2}}%
5034 }
5035 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys

```



```

5036%%
5037% Normal \cite behavior
5038\newcounter{@bidituftesidenote@num@bibkeys}%
5039\newcommand{@@bidituftesidenote@normal@cite}[2][Opt]{%
5040% Snag the last bibentry in the list for later comparison
5041\let\@temp@last@bibkey\@empty%
5042\@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5043\sidenote[] [#1]{%
5044% Loop through all the bibentries, separating them with semicolons and spaces
5045\normalsize\normalfont\@bidituftesidenote@citation@font%
5046\setcounter{@bidituftesidenote@num@bibkeys}{0}%
5047\@for\@temp@bibkeyx:=#2\do{%
5048\ifthenelse{\equal{@@temp@last@bibkey}{@temp@bibkeyx}}{%
5049\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
5050\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5051\bibentry{@temp@bibkeyx}}%
5052{@@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5053\bibentry{@temp@bibkeyx};\ }%
5054\stepcounter{@bidituftesidenote@num@bibkeys}%
5055}%
5056}%
5057}
5058\newcommand{@@bidituftelTRsidenote@normal@cite}[2][Opt]{%
5059% Snag the last bibentry in the list for later comparison
5060\let\@temp@last@bibkey\@empty%
5061\@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5062\LTRsidenote[] [#1]{%
5063% Loop through all the bibentries, separating them with semicolons and spaces
5064\normalsize\normalfont\@bidituftesidenote@LTRcitation@font%
5065\setcounter{@bidituftesidenote@num@bibkeys}{0}%
5066\@for\@temp@bibkeyx:=#2\do{%
5067\ifthenelse{\equal{@@temp@last@bibkey}{@temp@bibkeyx}}{%
5068\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
5069\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5070\bibentry{@temp@bibkeyx}}%
5071{@@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5072\bibentry{@temp@bibkeyx};\ }%
5073\stepcounter{@bidituftesidenote@num@bibkeys}%
5074}%
5075}%
5076}
5077\newcommand{@@biditufterTLsidenote@normal@cite}[2][Opt]{%
5078% Snag the last bibentry in the list for later comparison
5079\let\@temp@last@bibkey\@empty%
5080\@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5081\RTLsidenote[] [#1]{%
5082% Loop through all the bibentries, separating them with semicolons and spaces
5083\normalsize\normalfont\@bidituftesidenote@citation@font%
5084\setcounter{@bidituftesidenote@num@bibkeys}{0}%
5085\@for\@temp@bibkeyx:=#2\do{%

```



```

5086 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5087   {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
5088     \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5089     \bibentry{\@temp@bibkeyx}}%
5090   {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5091     \bibentry{\@temp@bibkeyx};\ }%
5092   \stepcounter{@bidituftesidenote@num@bibkeys}%
5093 }%
5094 }%
5095 }
5096 %%
5097 % Macros for holding the list of cite keys until after the \sidenote
5098 \gdef\@bidituftesidenote@citations{}% list of cite keys
5099 \newcommand\@bidituftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
5100   \ifx\@bidituftesidenote@citations\emptyelse
5101     \g@addto@macro\@bidituftesidenote@citations{,}% separate by commas
5102   \fi
5103   \g@addto@macro\@bidituftesidenote@citations{#1}
5104 }
5105 \newcommand{\@bidituftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
5106   % Snag the last bibentry in the list for later comparison
5107   \let\@temp@last@bibkey\empty%
5108   \@for\@temp@bibkey:=\@bidituftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
5109   \marginpar{%
5110     \hbox{\vspace*{#1}}%
5111     \@bidituftesidenote@citation@font%
5112     \@bidituftesidenote@citation@justification%
5113     \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
5114     \vspace*{-1\baselineskip}%
5115     % Loop through all the bibentries, separating them with semicolons and spaces
5116     \setcounter{@bidituftesidenote@num@bibkeys}{0}%
5117     \@for\@temp@bibkeyx:=\@bidituftesidenote@citations\do{%
5118       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5119         {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
5120           \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5121           \bibentry{\@temp@bibkeyx}}%
5122         {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5123           \bibentry{\@temp@bibkeyx};\ }%
5124       \stepcounter{@bidituftesidenote@num@bibkeys}%
5125     }%
5126   }%
5127 }
5128 %%
5129 % \cite behavior when executed within a sidenote
5130 \newcommand{\@bidituftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
5131 \newcommand{\@bidituftesidenote@infootnote@cite}[1]{%
5132   \@bidituftesidenote@add@citation{#1}
5133 }
5134 %%
5135 % Set the default \cite style. This is set and reset by the \sidenote command.

```



```

5136 \let\cite\@bidityftesidenote@normal@cite
5137 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
5138 \let\RTLcite\@bidityfteRTLsidenote@normal@cite
5139 %%
5140 % Transform existing \footnotes into \sidenotes
5141 % Sidenote: ``Where God meant footnotes to go.' '---bidityftesidenote
5142 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5143 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5144 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5145 % Override footmisc's definition to set the sidenote marks (numbers) inside the
5146 % sidenote's text block.
5147 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@sidenote@font}}
5148 % Set the in-text footnote mark in the same typeface as the body text itself.
5149 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@sidenote@font}}
5150 \providecommand*\@multiplefootnotemarker}{3sp}
5151 \providecommand*\@multfootsep}{,}
5152 \bidi@patch@AfterPackage{bidi}{\%
5153 \renewcommand{\@footnotemark}{\%
5154 \leavevmode\%
5155 \ifhmode\%
5156 \edef\@x@sf{\the\spacefactor}\%
5157 \@bidityftesidenote@check@multiple@sidenotes\%
5158 \nobreak\%
5159 \fi\%
5160 \@makefnmark\%
5161 \ifhmode\spacefactor\@x@sf\fi\%
5162 \relax\%
5163 }%
5164 }
5165 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{\%
5166 \ifdim\lastkern=\multiplefootnotemarker\relax\%
5167 \edef\@x@sf{\the\spacefactor}\%
5168 \unkern\%
5169 \textsuperscript{\multfootsep}\%
5170 \spacefactor\@x@sf\relax\%
5171 \fi
5172 }
5173 \bidi@patch@AfterPackage{bidi}{\%
5174 \renewcommand\@footnotetext[2][Opt]{\%
5175 \bidityftesidenotemarginpar{\%
5176 \hbox{\vspace*{#1}\%
5177 \def\baselinestretch {\setspace@singlespace}\%
5178 \reset@font\%
5179 \bidi@@footnotetext@font\% \reset@font\footnotesize\%
5180 \@bidityftesidenote@margin@par\% use parindent and parskip settings for marginal text
5181 \vspace*{-1\baselineskip}\noindent\%
5182 \protected@edef\@currentlabel{\%
5183 \csname p@footnote\endcsname\@thefnmark\%
5184 }%
5185 \color@begingroup\%

```



```

5186         \@makefntext{%
5187             \ignorespaces#2%
5188         }%
5189         \color@endgroup%
5190     }%
5191 }%
5192 \renewcommand\@LTRfootnotetext[2][Opt]{%
5193     \LTRbidityftesidenotemarginpar{%
5194         \hbox{}\vspace*{#1}%
5195         \def\baselinestretch {\setspace@singlespace}%
5196         \reset@font%
5197         \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5198         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5199         \vspace*{-1\baselineskip}\noindent%
5200         \protected@edef\@currentlabel{%
5201             \csname p@footnote\endcsname\@thefnmark%
5202         }%
5203         \color@begingroup%
5204             \@makefntext{%
5205                 \ignorespaces#2%
5206             }%
5207         \color@endgroup%
5208     }%
5209 }%
5210 \renewcommand\@RTLfootnotetext[2][Opt]{%
5211     \RTLbidityftesidenotemarginpar{%
5212         \hbox{}\vspace*{#1}%
5213         \def\baselinestretch {\setspace@singlespace}%
5214         \reset@font%
5215         \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5216         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5217         \vspace*{-1\baselineskip}\noindent%
5218         \protected@edef\@currentlabel{%
5219             \csname p@footnote\endcsname\@thefnmark%
5220         }%
5221         \color@begingroup%
5222             \@makefntext{%
5223                 \ignorespaces#2%
5224             }%
5225         \color@endgroup%
5226     }%
5227 }%
5228 }
5229 %
5230 % Define \sidenote command. Can handle \cite.
5231 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
5232 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
5233 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5234 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
5235     \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command

```



```

5236 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
5237 \ifthenelse{\NOT\isempty{#2}}{%
5238   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5239 }{%
5240   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5241 }%
5242 \ifthenelse{\isempty{#1}}{%
5243   % no specific footnote number provided
5244   \stepcounter\@mpfn%
5245   \protected@xdef\@thefnmark{\thempfn}%
5246   \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5247 }{%
5248   % specific footnote number provided
5249   \begingroup%
5250     \csname c@\@mpfn\endcsname #1\relax%
5251     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5252   \endgroup%
5253   \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5254 }%
5255 \@bidityftesidenote@print@citations%          print any citations
5256 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5257 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5258 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5259 \unskip\ignorespaces%          remove extra white space
5260 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5261 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5262 }
5263 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
5264   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5265   \gdef\@bidityftesidenote@citations{}%          clear out any old citations
5266   \ifthenelse{\NOT\isempty{#2}}{%
5267     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5268   }{%
5269     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5270   }%
5271   \ifthenelse{\isempty{#1}}{%
5272     % no specific footnote number provided
5273     \stepcounter\@mpfn%
5274     \protected@xdef\@thefnmark{\thempfn}%
5275     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5276   }{%
5277     % specific footnote number provided
5278     \begingroup%
5279       \csname c@\@mpfn\endcsname #1\relax%
5280       \unrestored@protected@xdef\@thefnmark{\thempfn}%
5281     \endgroup%
5282     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5283   }%
5284   \@bidityftesidenote@print@citations%          print any citations
5285   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command

```



```

5286 \let\LTRcite\@bidityftesLTRsidenote@normal@cite%      go back to using normal in-text \LTRcite
5287 \let\RTLcite\@bidityftesRTLsidenote@normal@cite%      go back to using normal in-text \RTLcite
5288 \unskip\ignorespaces%                                remove extra white space
5289 \kern-\multiplefootnotemarker%                        remove \kern left behind by sidenote
5290 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5291 }
5292 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5293 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5294 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5295 \ifthenelse{\NOT\isempty{#2}}{%
5296 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5297 }{%
5298 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5299 }%
5300 \ifthenelse{\isempty{#1}}{%
5301 % no specific footnote number provided
5302 \stepcounter\@mpfn%
5303 \protected@xdef\@thefnmark{\thempfn}%
5304 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5305 }{%
5306 % specific footnote number provided
5307 \begingroup%
5308 \csname c@\@mpfn\endcsname #1\relax%
5309 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5310 \endgroup%
5311 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5312 }%
5313 \@bidityftesidenote@print@citations% print any citations
5314 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5315 \let\LTRcite\@bidityftesLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5316 \let\RTLcite\@bidityftesRTLsidenote@normal@cite% go back to using normal in-text \RTLcite
5317 \unskip\ignorespaces% remove extra white space
5318 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5319 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5320 }
5321 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
5322 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
5323 \newcommand{\RTLsidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
5324 \bidi@patch@AfterPackage{bidi}{%
5325 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
5326 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
5327 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
5328 }
5329 %%
5330 % Sidenote without the footnote mark
5331 \newcommand\marginnote[2][Opt]{%
5332 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5333 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5334 \bidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidityftesidenote@marginnote@fontsize
5335 \@bidityftesidenote@print@citations% print any citations

```




```

5336 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5337 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5338 \let\RTLcite\@bidityfteRTLsidenote@normal@cite%  go back to using normal in-text \RTLcite
5339 }
5340 \newcommand\LTRmarginnote[2][Opt]{%
5341 \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
5342 \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5343 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@font
5344 \@bidityftesidenote@print@citations%             print any citations
5345 \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5346 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5347 \let\RTLcite\@bidityfteRTLsidenote@normal@cite%  go back to using normal in-text \RTLcite
5348 }
5349 \newcommand\RTLmarginnote[2][Opt]{%
5350 \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
5351 \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5352 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@bidityftesidenote@font
5353 \@bidityftesidenote@print@citations%             print any citations
5354 \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5355 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5356 \let\RTLcite\@bidityfteRTLsidenote@normal@cite%  go back to using normal in-text \RTLcite
5357 }

```

23 File bidityftetoc.sty

```

5358 \NeedsTeXFormat{LaTeX2e}
5359 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5360 bidi implementation of tufte toc]
5361 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5362 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5363 \newcommand{\@bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5364 %%
5365 % Turn off section numbering
5366 \setcounter{secnumdepth}{-1}
5367 \newboolean{@bidityftetoc@toc}
5368 \setboolean{@bidityftetoc@toc}{true}
5369 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
5370 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
5371 \ProcessOptions
5372 %%
5373 % Make Tufte-style section headings and TOC formatting
5374 \bidityftetoc@patch@AfterPackage{bidi}{%
5375 \titleformat{\chapter}%
5376 [display]% shape
5377 {\relax\ifthenelse{NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}% format ap
5378 {\itshape\huge\thechapter}% label
5379 {Opt}% horizontal separation between label and title body
5380 {\huge\rmfamily\itshape}% before the title body
5381 [\ifthenelse{NOT\boolean{@bidityftefloat@symmetric}}{\end{fullwidth}}{}% after the title b
5382 \titleformat{\section}%

```



```

5383 [hang]% shape
5384 {\normalfont\Large\itshape}% format applied to label+text
5385 {\thesection}% label
5386 {1em}% horizontal separation between label and title body
5387 {}% before the title body
5388 []% after the title body
5389 \titleformat{\subsection}%
5390 [hang]% shape
5391 {\normalfont\large\itshape}% format applied to label+text
5392 {\thesubsection}% label
5393 {1em}% horizontal separation between label and title body
5394 {}% before the title body
5395 []% after the title body
5396 \titleformat{\paragraph}%
5397 [runin]% shape
5398 {\normalfont\itshape}% format applied to label+text
5399 {\theparagraph}% label
5400 {1em}% horizontal separation between label and title body
5401 {}% before the title body
5402 []% after the title body
5403 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5404 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5405 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5406 }
5407 % Subsubsection and following section headings shouldn't be used.
5408 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5409 \renewcommand\subsubsection{%
5410   \biditytetocError{\noexpand\subsubsection is undefined by this class.%
5411     \MessageBreak See Robert Bringhurst's _The Elements of
5412     \MessageBreak Typographic Style_, section 4.2.2.
5413     \MessageBreak \noexpand\subsubsection was used}
5414     {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5415     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5416     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5417 }
5418 \renewcommand\subparagraph{%
5419   \biditytetocError{\noexpand\subparagraph is undefined by this class.%
5420     \MessageBreak See Robert Bringhurst's _The Elements of
5421     \MessageBreak Typographic Style_, section 4.2.2.
5422     \MessageBreak \noexpand\subparagraph was used}
5423     {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5424     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5425     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5426 }
5427 % Formatting for main TOC (printed in front matter)
5428 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5429 \ifthenelse{\boolean{@biditytetoc@toc}}{%
5430   \bidi@patch@AfterPackage{bidi}{%
5431     \titlecontents{part}% FIXME
5432     [Oem] % distance from left margin

```



```

5433 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5434 {\contentslabel{2em}} % before w/label (label = ``II'')
5435 {} % before w/o label
5436 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5437 [\end{fullwidth}] % after
5438 \titlecontents{chapter}%
5439 [0em] % distance from left margin
5440 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5441 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5442 {\hspace*{0em}} % before w/o label
5443 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5444 [\end{fullwidth}] % after
5445 \titlecontents{section}% FIXME
5446 [0em] % distance from left margin
5447 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5448 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5449 {\hspace*{2em}} % before w/o label
5450 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5451 [\end{fullwidth}] % after
5452 \titlecontents{subsection}% FIXME
5453 [0em] % distance from left margin
5454 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5455 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5456 {\hspace*{4em}} % before w/o label
5457 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5458 [\end{fullwidth}] % after
5459 \titlecontents{paragraph}% FIXME
5460 [0em] % distance from left margin
5461 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global for
5462 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5463 {\hspace*{6em}} % before w/o label
5464 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5465 [\end{fullwidth}] % after
5466 }%
5467 {}
5468 %%
5469 % Format lists of figures/tables
5470 \renewcommand\listoffigures{%
5471 \@ifundefined{chapter}%
5472 {\section*{\listfigurename}}%
5473 {\chapter*{\listfigurename}}%
5474 % \begin{fullwidth}%
5475 % \@starttoc{lof}%
5476 % \end{fullwidth}%
5477 }
5478 \renewcommand\listoftables{%
5479 \@ifundefined{chapter}%
5480 {\section*{\listtablename}}%
5481 {\chapter*{\listtablename}}%
5482 % \begin{fullwidth}%

```



```

5483 \starttoc{lot}%
5484 % \end{fullwidth}%
5485 }
5486 \newcommand{\@bidityfttoc@lof@line}[2]{%
5487 % #1 is the figure/table number and its caption text
5488 % #2 is the page number on which the figure/table appears
5489 \leftskip 0.0em
5490 \rightskip 0em
5491 \parfillskip 0em plus 1fil
5492 \parindent 0.0em
5493 \@afterindenttrue
5494 \interlinepenalty\M
5495 \leavevmode
5496 \@tempdima 2.0em
5497 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5498 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5499 {#1}\nobreak\quad\nobreak#2%
5500 \par%
5501 }
5502 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
5503 \let\l@table\l@figure

```

24 File bidityftegeneralstructure.sty

```

5504 \NeedsTeXFormat{LaTeX2e}
5505 \ProvidesPackage{bidityftegeneralstructure}[2011/06/18 v0.1
5506 bidi implementation of tufte general structure]
5507 \renewcommand\small{%
5508 \setfontsize\small\@ixpt{12}%
5509 \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5510 \abovedisplayshortskip \z@ \@plus2\p@
5511 \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5512 \def\@listi{\leftmargin\leftmargini
5513 \topsep 4\p@ \@plus2\p@ \@minus2\p@
5514 \parsep 2\p@ \@plus\p@ \@minus\p@
5515 \itemsep \parsep}%
5516 \belowdisplayskip \abovedisplayskip
5517 }
5518 \renewcommand\scriptsize{\setfontsize\scriptsize\@viipt\@viiipt}
5519 \renewcommand\tiny{\setfontsize\tiny\@vpt\@vpt}
5520 \renewcommand\large{\setfontsize\large\@xipt{15}}
5521 \renewcommand\Large{\setfontsize\Large\@xipt{16}}
5522 \renewcommand\LARGE{\setfontsize\LARGE\@xivpt{18}}
5523 \renewcommand\huge{\setfontsize\huge\@xxpt{30}}
5524 \renewcommand\Huge{\setfontsize\Huge{24}{36}}
5525 \setlength\leftmargini {1pc}
5526 \setlength\leftmarginii {1pc}
5527 \setlength\leftmarginiii {1pc}
5528 \setlength\leftmarginiv {1pc}
5529 \setlength\leftmarginv {1pc}

```



```

5530 \setlength\leftmarginvi {1pc}
5531 \setlength\labelsep {0.5pc}
5532 \setlength\labelwidth {\leftmargini}
5533 \addtolength\labelwidth{-\labelsep}
5534 \setlength{\parindent}{1.0pc}%
5535 \setlength{\parskip}{0pt}%
5536 \RequirePackage{ragged2e}
5537 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5538 % Paragraph indentation and separation for normal text
5539 \newcommand{\@biditytgeneralstructure@reset@par}{%
5540 \setlength{\RaggedRightParindent}{1.0pc}%
5541 \setlength{\JustifyingParindent}{1.0pc}%
5542 \setlength{\parindent}{1pc}%
5543 \setlength{\parskip}{0pt}%
5544 }
5545 \@biditytgeneralstructure@reset@par
5546 % Require paralist package for tighter lists
5547 \RequirePackage{paralist}
5548 % Add rightmargin to compactenum
5549 \def\@compactenum{%
5550 \expandafter\list\csname label\@enumctr\endcsname{%
5551 \usecounter{\@enumctr}%
5552 \rightmargin=2em% added this
5553 \parsep\plparsep
5554 \itemsep\plitemsep
5555 \topsep\pltopsep
5556 \partopsep\plpartopsep
5557 \def\makelabel##1{\hss\llap{##1}}}}
5558 %%
5559 % An environment for paragraph-style section
5560 \providecommand\newthought[1]{%
5561 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5562 \noindent\textbf{#1}%
5563 }
5564 %%
5565 % Redefine the display environments (quote, quotation, etc.)
5566 \renewenvironment{verse}
5567 {\let\\\@centercr
5568 \list{}\itemsep \z@
5569 \itemindent -1pc%
5570 \listparindent\itemindent
5571 \rightmargin \leftmargin
5572 \advance\leftmargin 1pc}%
5573 \small%
5574 \item\relax}
5575 {\endlist}
5576 \renewenvironment{quotation}
5577 {\list{}\listparindent 1pc%
5578 \itemindent \listparindent
5579 \rightmargin \leftmargin

```



```

5580          \parsep          \z@ \@plus\p@}%
5581          \small%
5582          \item\relax\noindent\ignorespaces}
5583      {\endlist}
5584 \renewenvironment{quote}
5585     {\list{}{\rightmargin\leftmargin}%
5586      \small%
5587      \item\relax}
5588     {\endlist}
5589 % Italicize description run-in headings (instead of the default bold)
5590 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5591 %%
5592 % Redefine \bibsection to not mark the running heads.
5593 % (Code modified from natbib.sty.)
5594 \@ifundefined{chapter}%
5595   {\renewcommand\bibsection{\section*{\refname}}}
5596   {\@ifundefined{NAT@sectionbib}%
5597     {\renewcommand\bibsection{\chapter{\bibname}}}
5598     {\renewcommand\bibsection{\section*{\bibname}}}}
5599 \RequirePackage{multicol}
5600 \renewenvironment{theindex}{%
5601 \@ifundefined{chapter}%
5602   {\section*{\indexname}}%
5603   {\chapter{\indexname}}%
5604 \begin{fullwidth}%
5605 \small%
5606 \parskip0pt%
5607 \parindent0pt%
5608 \let\item\@idxitem%
5609 \begin{multicols}{3}%
5610 }{%
5611 \end{multicols}%
5612 \end{fullwidth}%
5613 }
5614 \AtBeginDocument{%
5615 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5616 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5617 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}
5618 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5619 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

25 File `bidituftehyperref.sty`

```

5620 \NeedsTeXFormat{LaTeX2e}
5621 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5622 bidi implementation of tufte hyperref]
5623 %%
5624 % Color
5625 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5626 \newboolean{@bidituftehyperref@loadhyper}

```



```

5627 \setboolean{@biditytethehyperref@loadhyper}{true}
5628 \DeclareOption{hyper}{\setboolean{@biditytethehyperref@loadhyper}{true}}
5629 \DeclareOption{nohyper}{\setboolean{@biditytethehyperref@loadhyper}{false}}
5630 \ProcessOptions
5631 %% Loads the hyperref package and sets some default options.
5632 \newcommand{\biditytethehyperrefLoadHyperref}{%
5633 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5634 \hypersetup{%
5635     bookmarksdepth = section,
5636     citecolor = DarkGreen,
5637     linkcolor = DarkBlue,
5638 %     pagecolor = DarkBlue,
5639     urlcolor = DarkGreen,
5640 }%
5641 }
5642 \ifthenelse{\boolean{@biditytethehyperref@loadhyper}}{%
5643 \biditytethehyperrefLoadHyperref%
5644 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5645 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5646 }

```

26 File bidityttitle.sty

```

5647 \NeedsTeXFormat{LaTeX2e}
5648 \ProvidesPackage{bidityttitle}[2011/06/18 v0.1
5649 bidi implementation of tufte title]
5650 \RequirePackage{biditytools}
5651 %%
5652 % `titlepage' option -- creates a full title page with \maketitle
5653 \newboolean{@bidityttitle@titlepage}
5654 \DeclareOption{titlepage}{\setboolean{@bidityttitle@titlepage}{true}}
5655 \DeclareOption{notitlepage}{\setboolean{@bidityttitle@titlepage}{false}}
5656 % Default `book' and `handout' options
5657 \@ifclassloaded{book}{%
5658 \ExecuteOptions{titlepage}}{%
5659 \@ifclassloaded{article}{%
5660 \ExecuteOptions{notitlepage}}%
5661 {}}
5662 \ProcessOptions
5663 %%
5664 % Modified \title, \author, and \date commands. These store the
5665 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5666 \newcommand{\plaintitle}{}% plain-text-only title
5667 \newcommand{\plainauthor}{}% plain-text-only author
5668 \newcommand{\plainpublisher}{}% plain-text-only publisher
5669 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5670 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5671 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5672 \newcommand{\@publisher}{}% full publisher with \thanks{}
5673 \newcommand{\thedate}{\today}

```



```

5674 \bidi@patch@AfterPackage{bidi}{%
5675 \renewcommand{\thanks}[1]{\footnote{#1}}
5676 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5677 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5678 }
5679 \renewcommand{\title}[2][]{%
5680 \gdef\@title{#2}%
5681 \begingroup%
5682 % TODO store contents of \thanks command
5683 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5684 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5685 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5686 \protected@xdef\thanklesstitle{#2}%
5687 \endgroup%
5688 \ifthenelse{\isempty{#1}}%
5689 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5690 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5691 \@ifundefined{hypersetup}%
5692 {}% hyperref is not loaded; do nothing
5693 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5694 }
5695 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5696 \renewcommand{\author}[2][]{%
5697 \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
5698 \begingroup%
5699 % TODO store contents of \thanks command
5700 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5701 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5702 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5703 \protected@xdef\thanklessauthor{#2}%
5704 \endgroup%
5705 \ifthenelse{\isempty{#1}}%
5706 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5707 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5708 \@ifundefined{hypersetup}%
5709 {}% hyperref is not loaded; do nothing
5710 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5711 }
5712 \renewcommand{\date}[1]{%
5713 \gdef\@date{#1}%
5714 \begingroup%
5715 % TODO store contents of \thanks command
5716 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5717 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5718 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5719 \protected@xdef\thedata{#1}%
5720 \endgroup%
5721 }
5722 %%
5723 % Provides a \publisher command to set the publisher

```




```

5724 \newcommand{\publisher}[2][]{%
5725   \gdef\@publisher{#2}%
5726   \begingroup%
5727     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5728     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5729     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5730     \protected@xdef\thanklesspublisher{#2}%
5731   \endgroup%
5732   \ifthenelse{\isempty{#1}}
5733     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5734     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5735 }
5736 %%
5737 % Produces a full title page
5738 \newcommand{\maketitlepage}[0]{%
5739   \cleardoublepage%
5740   {%
5741     \bfseries%
5742     \begin{fullwidth}%
5743       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5744       \vspace{11.5pc}%
5745       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5746       \vfill%
5747       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5748     \end{fullwidth}%
5749   }
5750   \thispagestyle{empty}%
5751   \clearpage%
5752 }
5753 %%
5754 % Title block
5755 \bidi@AfterEndPreamble{%
5756 \renewcommand{\maketitle}{%
5757   \newpage%
5758   \global\@topnum\z@% prevent floats from being placed at the top of the page
5759   \begingroup%
5760     \setlength{\parindent}{0pt}%
5761     \setlength{\parskip}{4pt}%
5762     \let\@title\@empty%
5763     \let\@author\@empty%
5764     \let\@date\@empty%
5765     \gdef\@title{\LARGE\itshape\@title\par}%
5766     \gdef\@author{\Large\itshape\@author\par}%
5767     \gdef\@date{\Large\itshape\@date\par}%
5768     \@title%
5769     \@author%
5770     \@date%
5771   \endgroup%
5772   \thispagestyle{plain}% suppress the running head
5773 }%

```



```

5774 }
5775 %%
5776 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
5777 % class.)
5778 \bidentitetitle@AfterEndPreamble{%
5779 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5780 {\renewcommand{\maketitle}{\maketitlepage}}
5781 {}
5782 }
5783 %%
5784 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5785 % without headers and footers
5786 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5787 \hbox{}
5788 %\vspace*{\fill}
5789 %\begin{center}
5790 % This page intentionally contains only this sentence.
5791 %\end{center}
5792 %\vspace{\fill}
5793 \thispagestyle{empty}
5794 \newpage
5795 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

27 File bidentufte-handout.cls

```

5796 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5797 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5798 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5799 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5800 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5801 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5802 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5803 \ProcessOptions\relax
5804 \LoadClass{article}
5805 \RequirePackage{bidentuftefloat}
5806 \RequirePackage{bidentuftesidenote}
5807 \RequirePackage{bidentuftetoc}
5808 \RequirePackage{bidentuftegeneralstructure}
5809 \RequirePackage{bidentuftehyperref}
5810 \RequirePackage{bidentuftetitle}
5811 \renewenvironment{abstract}
5812 {\begin{quotation}}
5813 {\end{quotation}}
5814 \AtBeginDocument{%
5815 \IfFileExists{bidentufte-handout.cfg}
5816 {\input{bidentufte-handout.cfg}}
5817 \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}
5818 {}%
5819 }

```



28 File bidentufte-book.cls

```

5820 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5821 \ProvidesClass{bidentufte-book}[2011/06/18 v0.1 bidentufte-book class]
5822 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5823 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5824 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5825 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5826 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5827 \ProcessOptions\relax
5828 \LoadClass{book}
5829 \RequirePackage{bidentuftefloat}
5830 \RequirePackage{bidentuftesidenote}
5831 \RequirePackage{bidentuftetoc}
5832 \RequirePackage{bidentuftegeneralstructure}
5833 \RequirePackage{bidentuftehyperref}
5834 \RequirePackage{bidentuftetitle}
5835 %%
5836 % Set up any book-specific stuff now
5837 %%
5838 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5839 % to the opening page of Chapter 1. The running heads, when they appear,
5840 % contain only the (arabic) page number in the outside corner.
5841 %\newif\if@mainmatter \@mainmattertrue
5842 \renewcommand\frontmatter{%
5843   \cleardoublepage%
5844   \@mainmatterfalse%
5845   \pagenumbering{arabic}%
5846   %\pagestyle{plain}%
5847   \fancyhf{}%
5848   \ifthenelse{\boolean{@bidentuftefloat@twoside}}%
5849     {\fancyhead[LE,RO]{\thepage}}%
5850     {\fancyhead[RE,RO]{\thepage}}%
5851 }
5852 %%
5853 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5854 % numbering---it continues where it left off in the front matter.
5855 \renewcommand\mainmatter{%
5856   \cleardoublepage%
5857   \@mainmattertrue%
5858   \fancyhf{}%
5859   \ifthenelse{\boolean{@bidentuftefloat@twoside}}%
5860     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
5861     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5862     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5863     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5864 }
5865 %%
5866 % The back matter contains appendices, indices, glossaries, endnotes,
5867 % bibliographies, list of contributors, illustration credits, etc.

```



```

5868 \renewcommand\backmatter{%
5869   \if@openright%
5870     \cleardoublepage%
5871   \else%
5872     \clearpage%
5873   \fi%
5874   \@mainmatterfalse%
5875 }
5876 %%
5877 % Only show the chapter titles in the table of contents
5878 \setcounter{tocdepth}{0}
5879 \AtBeginDocument{%
5880 \IfFileExists{biditufte-book.cfg}
5881   {\input{biditufte-book.cfg}}
5882   \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5883 {}%
5884 }

```

29 File bidipoem.sty

```

5885 \NeedsTeXFormat{LaTeX2e}
5886 \ProvidesPackage{bidipoem}%
5887 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5888
5889 % Usage:
5890 %
5891 % \Setversedim #1#2 % define the layout (within a group):
5892 % #1 = length of both half-verses
5893 % #2 = separation distance = length of a connection, if present
5894 % Variant:
5895 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5896 % #1 = length of first (=right) half-verse
5897 % #2 = length of second (=left) half-verse
5898 % #3 = separation distance = length of a connection, if present
5899 %
5900 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5901 % #1 = text of first (=right) half-verse
5902 % #2 = text of second (=left) half-verse
5903 % Variant:
5904 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5905 % #1 = text of first (=right) half-verse
5906 % #2 = text of connection
5907 % #3 = text of second (=left) half-verse
5908 %
5909 % Alternative (if preferred):
5910 %
5911 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5912
5913
5914 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}

```



```

5915
5916% define the layout, verses will be centered
5917
5918 \newdimen \bidipoem@hrlen \newdimen \bidipoem@hvsep
5919 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hrlen
5920
5921 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5922 \bidipoem@hvind \textwidth
5923 \bidipoem@hrlen #1\relax \advance \bidipoem@hvind -\bidipoem@hrlen
5924 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5925 \bidipoem@@hrlen \bidipoem@hrlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
5926
5927 \def \bidipoem@set@verseI [#1]{% optional parameter
5928 \bidipoem@@hrlen #1\relax \bidipoem@set@@verse }
5929
5930 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5931 \advance \bidipoem@hvind -\bidipoem@@hrlen \bidipoem@hvsep #1\relax
5932 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5933
5934 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5935 \ifdim Opt > \bidipoem@hvind %
5936 \bidipoem@spreadbox \bidipoem@hrlen {#1}\ \hfill % first block
5937 \else
5938 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hrlen {#1}\fi
5939 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5940 \bidipoem@spreadbox \bidipoem@@hrlen {#3}% second block
5941 \par }
5942
5943% macro for two half verses
5944 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5945 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]}%
5946 \else \def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5947 \bidipoem@half@verses@next}
5948
5949 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5950 \traditionalconnverses {#1}{#2}{#3}}
5951
5952
5953 {\catcode\^M=\active % these lines must end with %
5954 \gdef\traditionalpoem@obeylines{\catcode\^M=\active \let\^M\traditionalpoem@par}%
5955 \global\let\^M\traditionalpoem@par} % this is in case ^M appears in a \write
5956 {\catcode\^M=\active % these lines must end with %
5957 \gdef\modernpoem@obeylines{\catcode\^M=\active \let\^M\modernpoem@par}%
5958 \global\let\^M\modernpoem@par} % this is in case ^M appears in a \write
5959 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5960 \def\poemmarginskip{1em plus 1fil minus 1em}
5961 \def\poemextrabaseskip{0\baselineskip}
5962 \def\poemskip{\medskip}
5963 \newcommand{\bidipoem@openbox}{\leavevmode
5964 \hbox to.77778em{

```



```

5965 \hfil\vrule
5966 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5967 \vrule\hfil}}
5968 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5969 \newdimen\versewidth
5970 \newtoks\bidipoem@p@ftn
5971 \def\poem@verse#1{%
5972 \ifdim\wd#1>\new@poem@width
5973 \xdef\new@poem@width{\the\wd#1}%
5974 \ifdim\new@poem@width>\poem@width
5975 \xdef\poem@width{\new@poem@width}%
5976 \global\let\poem@needrun\relax
5977 \fi
5978 \fi
5979 \hbox to\poem@width{\unhbox#1}%
5980 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5981 }
5982 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmargin\skip\relax}
5983 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
5984 \def\poem@lineversesep{%
5985 \nobreak
5986 \hskip\z@ plus 1filll%
5987 \penalty600%
5988 \hskip\poemcolsepskip
5989 \hskip\z@ plus -2filll%
5990 \vadjust{}}%
5991 \nobreak
5992 \hskip\z@ plus 1filll%
5993 }
5994 \def\poem@lineparsebegin{%
5995 \halign\bgroup
5996 \global\setbox\verse@i=\hbox{%
5997 \let\@footnotetext\bidipoem@p@ftntext%
5998 \let\@LTrfootnotetext\bidipoem@p@LTrftntext%
5999 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6000 \let\@xfootnotenext\bidipoem@p@xftntext%
6001 \let\@xfootnote\bidipoem@p@xfootnote%
6002 \let\@xLTrfootnotenext\bidipoem@p@xLTrftntext%
6003 \let\@xLTrfootnote\bidipoem@p@xLTrfootnote%
6004 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6005 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6006 \ignorespaces##\unskip}&&
6007 \global\setbox\verse@ii=\hbox{%
6008 \let\@footnotetext\bidipoem@p@ftntext%
6009 \let\@LTrfootnotetext\bidipoem@p@LTrftntext%
6010 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6011 \let\@xfootnotenext\bidipoem@p@xftntext%
6012 \let\@xfootnote\bidipoem@p@xfootnote%
6013 \let\@xLTrfootnotenext\bidipoem@p@xLTrftntext%
6014 \let\@xLTrfootnote\bidipoem@p@xLTrfootnote%

```



```

6015 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6016 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6017 \ignorespaces##\unskip}
6018 \cr
6019 }
6020 \def\poem@lineparseend{%
6021 \crr\egroup
6022 \vskip-\baselineskip
6023 }
6024 \def\traditionalpoem@cr{%
6025 \cr\poem@line
6026 }
6027 \newbox\verse@i
6028 \newbox\verse@ii
6029 \newif\ifpoem@started
6030
6031 \def\poem@line{%
6032 \poem@lineparseend
6033 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
6034 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
6035 \ifpoem@started
6036 \ifdim\wd\verse@ii>\z@\else
6037 \nopagebreak[3]
6038 \fi
6039 \leavevmode
6040 \poem@linebegin
6041 \poem@verse\verse@i
6042 \ifdim\wd\verse@ii>\z@
6043 \poem@lineversesep
6044 \poem@verse\verse@ii
6045 \fi
6046 \poem@lineend
6047 % \nopagebreak
6048 \par
6049 \vskip\poemextrabaseskip
6050 \fi
6051 \poem@lineparsebegin
6052 }
6053 \def\@traditionalpoem{%
6054 \stepcounter{poem@no}
6055 \ifnum\max@poem@no<\number\c@poem@no%
6056 \xdef\poem@width{\z@}%
6057 \else
6058 \xdef\poem@width{\poem@prop{poem@width}}%
6059 \fi
6060 \xdef\new@poem@width{\z@}%
6061 \global\versewidth=\poem@width
6062 \poemskip\par
6063 \begingroup
6064 \tabskip=\z@

```



```

6065 \parskip=\z@
6066 \parindent=\z@
6067 \parfillskip=\z@
6068 \rightskip=\z@
6069 \leftskip=\z@
6070 \widowpenalty=10000% No break between verses of the same line.
6071 \clubpenalty=10000% Same as above. Not really needed.
6072 \def\newblock{\hfil\poemblocksep\hfil\null}%
6073 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
6074 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
6075 \global\poem@startedfalse
6076 \csname poem@obeylines\endcsname
6077 \let\poem@obeylines\relax
6078 \poem@lineparsebegin
6079 }
6080 \def\@endtraditionalpoem{%
6081 \cr
6082 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
6083 \noalign{%
6084 \skip0=\poemextrabaseskip
6085 \vskip-\skip0
6086 \vskip-\baseskip
6087 }%
6088 \fi\fi
6089 \poem@lineparseend
6090 \endgroup
6091 \par
6092 \vskip\baseskip
6093 \poemskip
6094 \if@nparlist \else
6095 \ifdim\lastskip >\z@
6096 \@tempskipa\lastskip \vskip -\lastskip
6097 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6098 \vskip\@tempskipa
6099 \fi
6100 \@endparenv
6101 \fi
6102 \ifdim\new@poem@width<\poem@width
6103 \global\let\poem@needrun\relax
6104 \fi
6105 \poem@write@aux{\poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
6106 \ifx\AtEndDocument\undefined\poem@finish\fi
6107 }
6108
6109
6110 \long\def\bidipoem@p@ftntext#1{%
6111 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
6112 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
6113 \long\def\bidipoem@p@LTRftntext#1{%
6114 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%

```




```

6115 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6116 \long\def\bidipoem@p@RTLftntext#1{%
6117 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}
6118 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6119
6120 \long\def\bidipoem@p@xftntext[#1]#2{%
6121 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
6122
6123 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
6124 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
6125
6126 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6127 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
6128
6129 \def\bidipoem@p@xfootnote[#1]{%
6130 \begingroup
6131 \csname c@\@mpfn\endcsname #1\relax
6132 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6133 \endgroup
6134 \@footnotemark\bidipoem@p@xftntext[#1]}
6135
6136 \def\bidipoem@p@xLTRfootnote[#1]{%
6137 \begingroup
6138 \csname c@\@mpfn\endcsname #1\relax
6139 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6140 \endgroup
6141 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6142
6143 \def\bidipoem@p@xRTLfootnote[#1]{%
6144 \begingroup
6145 \csname c@\@mpfn\endcsname #1\relax
6146 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6147 \endgroup
6148 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6149
6150
6151
6152 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6153 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
6154 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6155 \def\poem@finish{%
6156 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6157 \ifx\poem@needrun\relax
6158 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
6159 \global\let\poem@needrun\undefined
6160 \fi
6161 }
6162 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6163 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6164 \ifx\max@poem@no\undefined

```



```

6165         \def\max@poem@no{0}%
6166 \fi
6167 \newcommand{\poem@prop}[1]{\@nameuse{#1@romannumeral@c@poem@no}}
6168 \newcommand{\poem@write@aux}[2]{%
6169     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6170     \@x
6171 }
6172 \def\@modernpoem{%
6173 \par
6174 \begingroup
6175 \parskip=\z@
6176 \parindent=\z@
6177 \def\[{ \settab\@tabplus\ignorespaces}%
6178 \def\] { \tabminus\ignorespaces}%
6179 \def\newblock{\poemblocksep}%
6180 \let\newpoem@tabcr\@tabcr
6181 \def\modernpoem@par{% Redefine \par for possible \obeylines
6182     \ifpoem@started\else
6183         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6184             \@stopfield
6185             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6186             \@contfield
6187         \fi
6188     \fi
6189     \ifpoem@started\newpoem@tabcr\fi}%
6190 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6191 \global\poem@startedfalse
6192 \csname poem@obeylines\endcsname
6193 \let\poem@obeylines\relax
6194 \begin{tabbing}%
6195 }
6196 \def\@endmodernpoem{%
6197 \global\poem@startedfalse
6198 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6199     \@stopfield
6200     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6201     \@contfield
6202 \fi
6203 \ifpoem@started\else\let\@stopline\@stopfield\fi
6204 \end{tabbing}%
6205 \endgroup
6206 \par
6207 \if@nparlist \else
6208     \ifdim\lastskip >\z@
6209         \@tempskipa\lastskip \vskip -\lastskip
6210         \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6211         \vskip\@tempskipa
6212     \fi
6213     \@endparenv
6214 \fi

```



```

6215 }
6216 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6217 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@obeylines}
6218 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6219 \gdef\@startfield{%
6220 \global\setbox\@curfield\hbox\bgroup%
6221 \let\@footnotetext\bidipoem@p@ftntext%
6222 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6223 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6224 \let\@xfootnotenext\bidipoem@p@xftntext%
6225 \let\@xfootnote\bidipoem@p@xfootnote%
6226 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6227 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6228 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6229 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6230 \color@begingroup}
6231 \gdef\@stopfield{%
6232 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6233 \gdef\@contfield{%
6234 \global\setbox\@curfield\hbox\bgroup%
6235 \let\@footnotetext\bidipoem@p@ftntext%
6236 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6237 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6238 \let\@xfootnotenext\bidipoem@p@xftntext%
6239 \let\@xfootnote\bidipoem@p@xfootnote%
6240 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6241 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6242 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6243 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6244 \color@begingroup\unhbox\@curfield}

```

30 File boek3-xetex-bidi.def

```

6245 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6246 \renewenvironment{theindex}{%
6247 \if@twocolumn
6248 \@restonecolfalse
6249 \else
6250 \@restonecoltrue
6251 \fi
6252 \columnseprule \z@
6253 \columnsep 35\p@
6254 \twocolumn[\@makeschapterhead{\indexname}]{%
6255 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
6256 \thispagestyle{plain}\parindent\z@
6257 \parskip\z@ \@plus .3\p@\relax
6258 \let\item\@idxitem
6259 }{%
6260 \if@restonecol\onecolumn\else\clearpage\fi}
6261 \renewcommand*{head@style}{%

```



```

6262 \interlinepenalty \@M
6263 \hyphenpenalty=\@M \exhyphenpenalty=\@M
6264 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6265 \renewcommand*\@regtocline[3]{%
6266 \ifnum #1>\c@tocdepth
6267 \else
6268 \vskip\z@ \@plus.2\p@
6269 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
6270 \if@RTL\rightskip\else\leftskip\fi\unitindent
6271 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
6272 \parfillskip\z@
6273 \@tempdima\unitindent
6274 \parindent\z@
6275 \leavevmode
6276 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6277 \hskip 1em \nobreak{\slshape #3}\par
6278 }%
6279 \fi}
6280 \if@oldtoc
6281 \renewcommand*\l@part[2]{%
6282 \ifnum \c@tocdepth >-2\relax
6283 \addpenalty{-\@highpenalty}%
6284 \addvspace{2.25em \@plus\p@}%
6285 \begingroup
6286 \setlength\@tempdima{3em}%
6287 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6288 \parfillskip -\@pnumwidth
6289 {\leavevmode
6290 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6291 \nobreak
6292 \global\@nobreaktrue
6293 \everypar{\global\@nobreakfalse\everypar{}}%
6294 \endgroup
6295 \fi}
6296 \else
6297 \renewcommand*\l@part{%
6298 \ifnum \c@tocdepth >-2\relax
6299 \addpenalty{-\@highpenalty}%
6300 \addvspace{2.25em \@plus \p@}%
6301 \@regtocline{0}%
6302 \fi}
6303 \fi
6304 \if@oldtoc
6305 \renewcommand*\l@chapter[2]{%
6306 \addpenalty{-\@highpenalty}%
6307 \vskip 1.0em \@plus\p@
6308 \setlength\@tempdima{1.5em}%
6309 \begingroup
6310 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6311 \parfillskip -\@pnumwidth

```



```

6312 \leavevmode \bfseries
6313 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6314 \hskip -\if@RTL\rightskip\else\leftskip\fi
6315 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6316 \penalty\@highpenalty
6317 \endgroup}
6318 \else
6319 \renewcommand*\l@chapter{\@regtocline{0}}
6320 \fi
6321 \renewenvironment{abstract}{%
6322 \titlepage
6323 \null\vfil
6324 \section*{\SectFont \abstractname}
6325 \noindent\ignorespaces}
6326 {\par\vfil\null\endtitlepage}
6327 \renewenvironment{thebibliography}[1]
6328 {\chapter*{\bibname}%
6329 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6330 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6331 \bidi@thebibliography@font@hook%
6332 \list{\@biblabel{\@arabic\c@enumiv}}%
6333 {\settowidth\labelwidth{\@biblabel{#1}}%
6334 \leftmargin\labelwidth
6335 \advance\leftmargin\labelsep
6336 \openbib@code
6337 \usecounter{enumiv}%
6338 \let\p@enumiv\@empty
6339 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6340 \sloppy\clubpenalty4000\widowpenalty4000%
6341 \sfcode`.\@m}
6342 {\def\@noitemerr
6343 {\@latex@warning{Empty `thebibliography' environment}}%
6344 \endlist}
6345 \renewcommand*\left@footnoterule{%
6346 \kern-3\p@
6347 \kern.5\baselineskip
6348 \hrule\@width\unitindent
6349 \kern.4\baselineskip
6350 }
6351 \renewcommand*\right@footnoterule{%
6352 \kern-3\p@
6353 \kern.5\baselineskip
6354 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6355 \kern.4\baselineskip}
6356 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6357 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6358 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6359 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6360 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6361 \renewcommand*\theequation{%

```



```

6362 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6363 \renewcommand*\thefigure{%
6364 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6365 \renewcommand*\thetable{%
6366 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6367 \renewcommand*\maketitle{%
6368 \begin{titlepage}%
6369 \let\footnotesize\small
6370 \let\rightfootnoterule\relax
6371 \let\leftfootnoterule\relax
6372 \let\textwidth\footnoterule\relax
6373 \let \footnote \thanks
6374 \long\def\@makefnmark##1{\parindent\z@
6375 \def\labelitemi{\textendash}\@revlabeltrue
6376 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6377 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6378 \if@compatibility\setcounter{page}{0}\fi
6379 \null\vfil
6380 \vskip 60\p@
6381 \begin{center}%
6382 \TitleFont
6383 {\LARGE \def\\{\penalty -\@M}
6384 \ifallcaps
6385 \expandafter\uc@nothanks\@title\thanks\relax
6386 \else
6387 \@title
6388 \fi\par}%
6389 \vskip 3em%
6390 {\large
6391 \lineskip .75em \parindent\z@
6392 \begin{tabular}[t]{c}%
6393 \ifallcaps
6394 \expandafter\uc@author\@author\and\relax
6395 \else
6396 \@author
6397 \fi
6398 \end{tabular}\par}%
6399 \vskip 1.5em%
6400 {\large
6401 \ifallcaps
6402 \uppercase\expandafter{\@date}%
6403 \else
6404 \@date
6405 \fi\par}%
6406 \end{center}\par
6407 \@thanks
6408 \vfil\null
6409 \end{titlepage}%
6410 \setcounter{footnote}{0}%
6411 \global\let\thanks\relax

```



```

6412 \global\let\maketitle\relax
6413 \global\let\@thanks\@empty
6414 \global\let\@author\@empty
6415 \global\let\@title\@empty
6416 \global\let\@date\@empty
6417 \global\let\title\relax
6418 \global\let\author\relax
6419 \global\let\date\relax
6420 \global\let\and\relax
6421 }

```

31 File boek-xetex-bidi.def

```

6422 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
6423 \renewenvironment{theindex}{%
6424   \if@twocolumn
6425     \@restonecolfalse
6426   \else
6427     \@restonecoltrue
6428   \fi
6429   \columnseprule \z@
6430   \columnsep 35\p@
6431   \twocolumn[\@makeschapterhead{\indexname}]%
6432   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6433   \thispagestyle{plain}\parindent\z@
6434   \parskip\z@ \@plus .3\p@\relax
6435   \let\item\@idxitem
6436 }{%
6437   \if@restonecol\onecolumn\else\clearpage\fi}
6438 \renewcommand*{\head@style}{%
6439   \interlinepenalty \@M
6440   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6441   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6442 \renewcommand*{\@regtocline}[3]{%
6443   \ifnum #1>\c@tocdepth
6444   \else
6445     \vskip\z@ \@plus .2\p@
6446     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6447       \if@RTL\rightskip\else\leftskip\fi\unitindent
6448       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6449       \parfillskip\z@
6450       \@tempdima\unitindent
6451       \parindent\z@
6452       \leavevmode
6453       \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6454         \hskip 1em \nobreak{\slshape #3}\par
6455     }%
6456   \fi}
6457 \if@oldtoc
6458 \renewcommand*{\l@part}[2]{%

```



```

6459 \ifnum \c@tocdepth >-2\relax
6460 \addpenalty{-\@highpenalty}%
6461 \addvspace{2.25em \@plus\p}%
6462 \begingroup
6463 \setlength\@tempdima{3em}%
6464 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6465 \parfillskip -\@pnumwidth
6466 {\leavevmode
6467 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6468 \nobreak
6469 \global\@nobreaktrue
6470 \everypar{\global\@nobreakfalse\everypar{}}%
6471 \endgroup
6472 \fi}
6473 \else
6474 \renewcommand*\l@part{%
6475 \ifnum \c@tocdepth >-2\relax
6476 \addpenalty{-\@highpenalty}%
6477 \addvspace{2.25em \@plus\p}%
6478 \@regtocline{0}%
6479 \fi}
6480 \fi
6481 \if@oldtoc
6482 \renewcommand*\l@chapter[2]{%
6483 \addpenalty{-\@highpenalty}%
6484 \vskip 1.0em \@plus\p@
6485 \setlength\@tempdima{1.5em}%
6486 \begingroup
6487 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6488 \parfillskip -\@pnumwidth
6489 \leavevmode \bfseries
6490 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6491 \hskip -\if@RTL\rightskip\else\leftskip\fi
6492 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6493 \penalty\@highpenalty
6494 \endgroup}
6495 \else
6496 \renewcommand*\l@chapter{\@regtocline{0}}
6497 \fi
6498 \renewcommand*\left@footnoterule{%
6499 \kern-3\p@
6500 \kern.5\baselineskip
6501 \hrule\@width\unitindent
6502 \kern.4\baselineskip
6503 }
6504 \renewcommand*\right@footnoterule{%
6505 \kern-3\p@
6506 \kern.5\baselineskip
6507 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6508 \kern.4\baselineskip}

```




```

6509 \renewenvironment{abstract}{%
6510     \titlepage
6511     \null\vfil
6512     \section*{\SectFont \abstractname}
6513     \noindent\ignorespaces}
6514 { \par\vfil\null\endtitlepage}
6515 \renewenvironment{thebibliography}[1]
6516 { \chapter*{\bibname}%
6517     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6518     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6519     \bidi@thebibliography@font@hook%
6520     \list{\@biblabel{\@arabic{c@enumiv}}}%
6521         { \settowidth\labelwidth{\@biblabel{#1}}%
6522           \leftmargin\labelwidth
6523           \advance\leftmargin\labelsep
6524           \@openbib@code
6525           \usecounter{enumiv}%
6526           \let\p@enumiv\@empty
6527           \renewcommand*{theenumiv}{\@arabic{c@enumiv}}}%
6528     \sloppy\clubpenalty4000\widowpenalty4000%
6529     \sfcode`. \m}
6530 { \def\@noitemerr
6531     { \latex@warning{Empty `thebibliography' environment}}%
6532     \endlist}
6533 \renewcommand*{thesection}{\thechapter\@SepMark\@arabic{c@section}}
6534 \renewcommand*{thesubsection}{\thesection\@SepMark\@arabic{c@subsection}}
6535 \renewcommand*{thesubsubsection}{\thesubsection\@SepMark\@arabic{c@subsubsection}}
6536 \renewcommand*{theparagraph}{\thesubsubsection\@SepMark\@arabic{c@paragraph}}
6537 \renewcommand*{thesubparagraph}{\theparagraph\@SepMark\@arabic{c@subparagraph}}
6538 \renewcommand*{theequation}{%
6539     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@equation}}
6540 \renewcommand*{thefigure}{%
6541     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@figure}}
6542 \renewcommand*{thetable}{%
6543     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@table}}
6544 \renewcommand*{maketitle}{%
6545     \begin{titlepage}%
6546         \let\footnotesize\small
6547         \let\right@footnoterule\relax
6548         \let\left@footnoterule\relax
6549         \let\textwidth\footnoterule\relax
6550         \let \footnote \thanks
6551         \long\def\@makefnmark{\parindent\z@
6552             \def\labelitemi{\textendash}\@revlabeltrue
6553             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6554         \renewcommand*{thefootnote}{\@fnsymbol\c@footnote}%
6555         \if@compatibility\setcounter{page}{0}\fi
6556         \null\vfil
6557         \vskip 60\p@
6558         \begin{center}%

```



```

6559 \TitleFont
6560 {\LARGE \def\\{\penalty -\@M}
6561 \if@allcaps
6562 \expandafter\uc@nothanks\@title\thanks\relax
6563 \else
6564 \@title
6565 \fi\par}%
6566 \vskip 3em%
6567 {\large
6568 \lineskip .75em \parindent\z@
6569 \begin{tabular}[t]{c}%
6570 \if@allcaps
6571 \expandafter\uc@authornothanks\@author\and\relax
6572 \else
6573 \@author
6574 \fi
6575 \end{tabular}\par}%
6576 \vskip 1.5em%
6577 {\large
6578 \if@allcaps
6579 \uppercase\expandafter{\@date}%
6580 \else
6581 \@date
6582 \fi\par}%
6583 \end{center}\par
6584 \@thanks
6585 \vfil\null
6586 \end{titlepage}%
6587 \setcounter{footnote}{0}%
6588 \global\let\thanks\relax
6589 \global\let\maketitle\relax
6590 \global\let\@thanks\@empty
6591 \global\let\@author\@empty
6592 \global\let\@title\@empty
6593 \global\let\@date\@empty
6594 \global\let\title\relax
6595 \global\let\author\relax
6596 \global\let\date\relax
6597 \global\let\and\relax
6598 }

```

32 File bookest-xetex-bidi.def

```

6599 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6600 \def\@makechapterhead#1{%
6601 \vspace*{20\p@}
6602 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6603 \ifnum \c@secnumdepth >\m@ne
6604 \if@mainmatter
6605 {\colorA\huge\scshape \@chapapp\space \thechapter}

```



```

6606         \par\nobreak
6607         \vskip 10\p@
6608     \fi
6609 \fi
6610 \interlinepenalty\@M
6611 {\colorB\hrule}
6612 \vskip 15\p@
6613 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6614     {\colorA\Huge \bfseries #1}\par\nobreak
6615 \if@RTL\end{flushleft}\else\end{flushright}\fi
6616 \vskip 5\p@
6617 {\colorB\hrule}
6618 \vskip 30\p@
6619 }}
6620 \def\@makeschapterhead#1{%
6621     \vspace*{20\p@}
6622     {\parindent \z@ \raggedright \normalfont
6623     {\colorB\hrule}
6624     \vskip 15\p@
6625     \begin{center}
6626         {\colorA\Huge \bfseries #1}\par\nobreak
6627     \end{center}
6628     \vskip 5\p@
6629     {\colorB\hrule}
6630     \vskip 30\p@
6631     }}

```

33 File book-xetex-bidi.def

```

6632 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6633 \renewenvironment{theindex}
6634     {\if@twocolumn
6635         \@restonecolfalse
6636     \else
6637         \@restonecoltrue
6638     \fi
6639     \columnseprule \z@
6640     \columnsep 35\p@
6641     \twocolumn[\@makeschapterhead{\indexname}]%
6642     \@mkboth{\MakeUppercase\indexname}%
6643             {\MakeUppercase\indexname}%
6644     \thispagestyle{plain}\parindent\z@
6645     \parskip\z@ \@plus .3\p@\relax
6646     \let\item\@idxitem}
6647     {\if@restonecol\onecolumn\else\clearpage\fi}
6648 \@ifclassloaded{bookest}{-}{%
6649     \if@titlepage
6650     \renewcommand\maketitle{\begin{titlepage}%
6651     \let\footnotesize\small
6652     \let\right@footnoterule\relax

```



```

6653 \let\left@footnoterule\relax
6654 \let\textwidth@footnoterule\relax
6655 \let \footnote \thanks
6656 \let \LTRfootnote \LTRthanks
6657 \let \RTLfootnote \RTLthanks
6658 \null\vfil
6659 \vskip 60\p@
6660 \begin{center}%
6661   {\LARGE \@title \par}%
6662   \vskip 3em%
6663   {\large
6664     \lineskip .75em%
6665     \begin{tabular}[t]{c}%
6666       \@author
6667     \end{tabular}\par}%
6668     \vskip 1.5em%
6669     {\large \@date \par}%           % Set date in \large size.
6670 \end{center}\par
6671 \@thanks
6672 \vfil\null
6673 \end{titlepage}%
6674 \setcounter{footnote}{0}%
6675 \global\let\thanks\relax
6676 \global\let\LTRthanks\relax
6677 \global\let\RTLthanks\relax
6678 \global\let\maketitle\relax
6679 \global\let\@thanks\@empty
6680 \global\let\@author\@empty
6681 \global\let\@date\@empty
6682 \global\let\@title\@empty
6683 \global\let\title\relax
6684 \global\let\author\relax
6685 \global\let\date\relax
6686 \global\let\and\relax
6687 }
6688 \else
6689 \renewcommand\maketitle{\par
6690   \begingroup
6691     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6692     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6693     \long\def\@makefntext##1{\parindent 1em\noindent
6694       \hb@xt@1.8em{%
6695         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6696     \if@twocolumn
6697       \ifnum \col@number=\@ne
6698         \@maketitle
6699       \else
6700         \twocolumn[\@maketitle]%
6701       \fi
6702     \else

```



```

6703     \newpage
6704     \global\@topnum\z@    % Prevents figures from going at top of page.
6705     \@maketitle
6706     \fi
6707     \thispagestyle{plain}\@thanks
6708 \endgroup
6709 \setcounter{footnote}{0}%
6710 \global\let\thanks\relax
6711 \global\let\LTRthanks\relax
6712 \global\let\RTLthanks\relax
6713 \global\let\maketitle\relax
6714 \global\let\@maketitle\relax
6715 \global\let\@thanks\@empty
6716 \global\let\@author\@empty
6717 \global\let\@date\@empty
6718 \global\let\@title\@empty
6719 \global\let\title\relax
6720 \global\let\author\relax
6721 \global\let\date\relax
6722 \global\let\and\relax
6723 }
6724 \def\@maketitle{%
6725     \newpage
6726     \null
6727     \vskip 2em%
6728     \begin{center}%
6729     \let \footnote \thanks
6730     \let \LTRfootnote \LTRthanks
6731     \let \RTLfootnote \RTLthanks
6732     {\LARGE \@title \par}%
6733     \vskip 1.5em%
6734     {\large
6735         \lineskip .5em%
6736         \begin{tabular}[t]{c}%
6737             \@author
6738         \end{tabular}\par}%
6739     \vskip 1em%
6740     {\large \@date}%
6741     \end{center}%
6742     \par
6743     \vskip 1.5em}
6744 \fi}
6745 \renewcommand*\l@part[2]{%
6746     \ifnum \c@tocdepth >-2\relax
6747         \addpenalty{-\@highpenalty}%
6748         \addvspace{2.25em \@plus\p@}%
6749         \setlength\@tempdima{3em}%
6750         \begin{group
6751             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6752             \parfillskip -\@pnumwidth

```



```

6753     {\leavevmode
6754       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6755       \nobreak
6756       \global\@nobreaktrue
6757       \everypar{\global\@nobreakfalse\everypar{}}%
6758     \endgroup
6759   \fi}
6760 \renewcommand*\l@chapter[2]{%
6761   \ifnum \c@tocdepth >\m@ne
6762     \addpenalty{-\@highpenalty}%
6763     \vskip 1.0em \@plus\p@
6764     \setlength\@tempdima{1.5em}%
6765     \begingroup
6766       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6767       \parfillskip -\@pnumwidth
6768       \leavevmode \bfseries
6769       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6770       \hskip -\if@RTL\rightskip\else\leftskip\fi
6771       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6772       \penalty\@highpenalty
6773     \endgroup
6774   \fi}
6775 \renewcommand\left@footnoterule{%
6776   \kern-3\p@
6777   \hrule\@width.4\columnwidth
6778   \kern2.6\p@}
6779 \renewcommand\right@footnoterule{%
6780   \kern-3\p@
6781   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6782   \kern2.6\p@}
6783 \renewcommand\theequation
6784   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6785 \renewcommand \thefigure
6786   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6787 \renewcommand \thetable
6788   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6789 \renewcommand \thechapter {\@arabic\c@chapter}
6790 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6791 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6792 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
6793 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6794 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6795 \def\@makechapterhead#1{%
6796   \vspace*{50\p@}%
6797   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6798     \ifnum \c@secnumdepth >\m@ne
6799       \if@mainmatter
6800         \huge\bfseries \@chapapp\space \thechapter
6801         \par\nobreak
6802         \vskip 20\p@

```



```

6803     \fi
6804     \fi
6805     \interlinepenalty\@M
6806     \Huge \bfseries #1\par\nobreak
6807     \vskip 40\p@
6808   }}
6809 \def\@makeschapterhead#1{%
6810   \vspace*{50\p@}%
6811   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6812     \normalfont
6813     \interlinepenalty\@M
6814     \Huge \bfseries #1\par\nobreak
6815     \vskip 40\p@
6816   }}
6817 \renewcommand\backmatter{%
6818   \if@openright
6819     \cleardoublepage
6820   \else
6821     \clearpage
6822   \fi
6823   \@mainmatterfalse}
6824 \renewenvironment{thebibliography}[1]
6825   {\chapter*{\bibname}%
6826     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6827     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6828     \bidi@thebibliography@font@hook%
6829     \list{\@biblabel{\@arabic\c@enumiv}}%
6830       {\settowidth\labelwidth{\@biblabel{#1}}%
6831         \leftmargin\labelwidth
6832         \advance\leftmargin\labelsep
6833         \@openbib@code
6834         \usecounter{enumiv}%
6835         \let\p@enumiv\@empty
6836         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6837     \sloppy
6838     \clubpenalty4000
6839     \@clubpenalty \clubpenalty
6840     \widowpenalty4000%
6841     \sfcode`.\@m}
6842   {\def\@noitemerr
6843     {\@latex@warning{Empty `thebibliography' environment}}%
6844     \endlist}

```

34 File breqn-xetex-bidi.def

```

6845 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for XeTeX
6846 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6847   \everydisplay\expandafter{\the\everydisplay \display@setup}%
6848   \if@noskipsec \leavevmode \fi
6849   \if@inlabel \leavevmode \global\@inlabelfalse \fi

```



```

6850 \if\eq@group\else\eq@prelim\fi
6851 \setkeys{breqn}{#1}%
6852 \the\eqstyle
6853 \eq@setnumber
6854 \begingroup
6855 \eq@setup@a
6856 \eq@startup
6857 }
6858 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6859 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6860 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6861 \global\let\GRP@label\@empty
6862 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6863 \global\grp@linewidth\z@\global\grp@wdNum\z@
6864 \global\let\grp@eqs@numbered\@False
6865 \global\let\grp@aligned\@True
6866 \global\let\grp@shiftnumber\@False
6867 \eq@prelim
6868 \setkeys{breqn}{#1}%
6869 \if\grp@hasNumber \grp@setnumber \fi
6870 }
6871 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6872 \let\display@setup\dseries@display@setup
6873 % Question: should this be the default for dseries???
6874 \global\eq@wdCond\z@
6875 \@dmath[layout={M},#1]%
6876 \mathsurround\z@\@math \penalty\@Mi
6877 \let\endmath\ends@math
6878 \def\premath{%
6879 \ifdim\lastskip<.3em \unskip
6880 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6881 }%
6882 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6883 \ignorespaces
6884 }
6885 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@italiccorr)\if@nonlatin\endR\fi}
6886 \renewenvironment{dsuspend}{%
6887 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
6888 \parshape 1 \displayindent \displaywidth\relax
6889 \hsize=\columnwidth \noindent\ignorespaces
6890 }{%
6891 \par\egroup
6892 \global\setbox\GRP@box\vbox{%
6893 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
6894 \unvbox\GRP@box
6895 }%
6896 \global\GRP@queue\@xp{\the\GRP@queue
6897 \@elt{\let\eq@isIntertext\@True}%
6898 }%
6899 }

```



35 File cals-xetex-bidi.def

```
6900 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
6901 \renewcommand\cals@setup@alignment[1]{%
6902 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
6903 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
6904 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
6905 }
6906 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
6907 \renewenvironment{calstable}[1][\cals@table@alignment]{%
6908 \if@RTLtab\cals@activate@rtl\fi
6909 \let\cals@thead@tokens=\relax
6910 \let\cals@tfoot@tokens=\relax
6911 \let\cals@tbreak@tokens=\relax
6912 \cals@tfoot@height=0pt \relax
6913 \let\cals@last@context=n%
6914 \let\cals@current@context=b%
6915 \parindent=0pt \relax%
6916 \cals@setup@alignment{#1}%
6917 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
6918 %% Alignment inside is independent on center/flushright outside
6919 \parfillskip=0pt plus1fil\relax
6920 \let\cals@borderL=\relax
6921 \let\cals@borderR=\relax
6922 \let\cals@borderT=\relax
6923 \let\cals@borderB=\relax
6924 \setbox\cals@backup@row=\box\voidb@x\relax
6925 \cals@AtBeginTable
6926 }{% End of the table
6927 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
6928 \renewcommand\alignL{%
6929 \if@RTLtab
6930 \cals@vfillAdd\cals@paddingL
6931 \else
6932 \cals@vfillDrop\cals@paddingL
6933 \fi
6934 \cals@vfillDrop\cals@paddingR}
6935 \renewcommand\alignR{%
6936 \if@RTLtab
6937 \cals@vfillDrop\cals@paddingL
6938 \else
6939 \cals@vfillAdd\cals@paddingL
6940 \fi
6941 \cals@vfillDrop\cals@paddingR}
```

36 File caption-xetex-bidi.def

```
6942 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for XeTeX]
6943 \let\@makecaption\caption@makecaption
```



37 File caption3-xetex-bidi.def

```
6944 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package]
6945 \renewcommand*\caption@par{%
6946   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%
```

38 File colortbl-xetex-bidi.def

```
6947 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package]
6948 \def\CT@setup{%
6949   \@tempdimb\col@sep
6950   \@tempdimc\col@sep
6951   \def\CT@color{%
6952     \global\let\CT@do@color\CT@do@color
6953     \bidicolor}}
6954 \def\@classz{\@classx
6955   \@tempcnta\count@
6956   \prepnext@tok
6957 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6958   \@addtopreamble{\if@RTLtab\beginL\fi%
6959     \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6960     \ifcase \@chnum
6961       \hskip\stretch{.5}\kern\z@
6962       \dollarbegin
6963       \insert@column
6964       \dollarend\hskip\stretch{.5}\or
6965       \dollarbegin \insert@column \dollarend \hfill \or
6966       \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
6967     $\vcenter
6968     \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6969     \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6970     \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6971     \fi
6972   \if@RTLtab\endR\fi\egroup\egroup
6973 \begingroup
6974   \CT@setup
6975   \CT@column@color
6976   \CT@row@color
6977   \CT@cell@color
6978   \CT@do@color
6979 \endgroup
6980   \@tempdima\ht\z@
6981   \advance\@tempdima\minrowclearance
6982   \vrule\@height\@tempdima\@width\z@
6983   \unhbox\z@\if@RTLtab\endL\fi}%
6984 \prepnext@tok}
```

39 File color-xetex-bidi.def

```
6985 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeLaTeX]
```



```

6986 \long\def\color@b@x#1#2#3{%
6987 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6988 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6989 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6990 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6991 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6992 \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
6993 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6994 \DeclareRobustCommand\color{%
6995 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}
6996 \def\@declaredcolor#1{%
6997 \@ifundefined{string\color @#1}%
6998 {\c@lor@error{`#1'}}%
6999 {\expandafter\let\expandafter\current@color
7000 \csname string\color @#1\endcsname
7001 \set@color}%
7002 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7003 \def\@undeclaredcolor[#1]#2{%
7004 \@ifundefined{color@#1}%
7005 {\c@lor@error{model `#1'}}%
7006 {\csname color@#1\endcsname\current@color{#2}%
7007 \set@color}%
7008 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7009 \DeclareRobustCommand\bidicolor{%
7010 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
7011 \def\@bidiundeclaredcolor[#1]#2{%
7012 \@ifundefined{color@#1}%
7013 {\c@lor@error{model `#1'}}%
7014 {\csname color@#1\endcsname\current@color{#2}%
7015 \set@color}%
7016 \ignorespaces}
7017 \def\@bidideclaredcolor#1{%
7018 \@ifundefined{string\color @#1}%
7019 {\c@lor@error{`#1'}}%
7020 {\expandafter\let\expandafter\current@color
7021 \csname string\color @#1\endcsname
7022 \set@color}%
7023 \ignorespaces}
7024 \def\color@b@x#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
7025 \def\color@fbbox#1#2#3{%
7026 \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}}
7027 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

40 File combine-xetex-bidi.def

```

7028 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for ]
7029 \renewcommand{\c@ll@chapsecii}[2]{%
7030 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7031 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
7032 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par

```



```

7033 }
7034 \renewcommand{\c@ll@chapseci}{%
7035   \setlength\@tempdima{0em}%
7036   \begin{group}
7037     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7038     \parfillskip -\@pnumwidth
7039     \leavevmode
7040 }
7041 \renewenvironment{tocindent}[1]{%
7042   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

41 File crop-xetex-bidi.def

```

7043 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
7044 \renewcommand*\CROP@ulc{%
7045   \if@RTLmain%
7046     \begin{picture}(0,0)
7047       \unitlength\p@\thinlines
7048       \put(-40,0){\circle{10}}
7049       \put(-30,-5){\line(0,1){10}}
7050       \put(-35,0){\line(1,0){30}}
7051       \put(-10,30){\circle{10}}
7052       \put(-5,30){\line(1,0){10}}
7053       \put(0,35){\line(0,-1){30}}
7054     \end{picture}%
7055   \else%
7056     \begin{picture}(0,0)
7057       \unitlength\p@\thinlines
7058       \put(-30,0){\circle{10}}
7059       \put(-30,-5){\line(0,1){10}}
7060       \put(-35,0){\line(1,0){30}}
7061       \put(0,30){\circle{10}}
7062       \put(-5,30){\line(1,0){10}}
7063       \put(0,35){\line(0,-1){30}}
7064     \end{picture}%
7065   \fi%
7066 }
7067 \renewcommand*\CROP@urc{%
7068   \if@RTLmain%
7069     \begin{picture}(0,0)
7070       \unitlength\p@\thinlines
7071       \put(20,0){\circle{10}}
7072       \put(30,-5){\line(0,1){10}}
7073       \put(35,0){\line(-1,0){30}}
7074       \put(-10,30){\circle{10}}
7075       \put(-5,30){\line(1,0){10}}
7076       \put(0,35){\line(0,-1){30}}
7077     \end{picture}%
7078   \else%
7079     \begin{picture}(0,0)

```



```

7080         \unitlength\p@\thinlines
7081         \put(30,0){\circle{10}}
7082         \put(30,-5){\line(0,1){10}}
7083         \put(35,0){\line(-1,0){30}}
7084         \put(0,30){\circle{10}}
7085         \put(-5,30){\line(1,0){10}}
7086         \put(0,35){\line(0,-1){30}}
7087     \end{picture}%
7088     \fi%
7089 }
7090 \renewcommand*\CROP@llc{%
7091     \if@RTLmain%
7092         \begin{picture}(0,0)
7093             \unitlength\p@\thinlines
7094             \put(-40,0){\circle{10}}
7095             \put(-30,-5){\line(0,1){10}}
7096             \put(-35,0){\line(1,0){30}}
7097             \put(-10,-30){\circle{10}}
7098             \put(-5,-30){\line(1,0){10}}
7099             \put(0,-35){\line(0,1){30}}
7100         \end{picture}%
7101     \else%
7102         \begin{picture}(0,0)
7103             \unitlength\p@\thinlines
7104             \put(-30,0){\circle{10}}
7105             \put(-30,-5){\line(0,1){10}}
7106             \put(-35,0){\line(1,0){30}}
7107             \put(0,-30){\circle{10}}
7108             \put(-5,-30){\line(1,0){10}}
7109             \put(0,-35){\line(0,1){30}}
7110         \end{picture}%
7111     \fi%
7112 }
7113 \renewcommand*\CROP@llrc{%
7114     \if@RTLmain%
7115         \begin{picture}(0,0)
7116             \unitlength\p@\thinlines
7117             \put(20,0){\circle{10}}
7118             \put(30,-5){\line(0,1){10}}
7119             \put(35,0){\line(-1,0){30}}
7120             \put(-10,-30){\circle{10}}
7121             \put(-5,-30){\line(1,0){10}}
7122             \put(0,-35){\line(0,1){30}}
7123         \end{picture}%
7124     \else%
7125         \begin{picture}(0,0)
7126             \unitlength\p@\thinlines
7127             \put(30,0){\circle{10}}
7128             \put(30,-5){\line(0,1){10}}
7129             \put(35,0){\line(-1,0){30}}

```



```

7130      \put(0,-30){\circle{10}}
7131      \put(-5,-30){\line(1,0){10}}
7132      \put(0,-35){\line(0,1){30}}
7133      \end{picture}%
7134      \fi%
7135    }
7136    \ifpackagewith{crop}{cam}{%
7137      \CROP@exectopt{cam}%
7138    }{}

```

42 File cutwin-xetex-bidi.def

```

7139 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for X
7140 \renewcommand*{\c@twcompctr}[2]{%
7141   \def\c@twfirst{1}
7142   \loop\advance\c@twwinlines\m@ne
7143   \setbox\c@twslicea=\vsplit#1 to\baselineskip
7144   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
7145   \c@twprune{\c@twslicea}{\c@twlftside}%
7146   \c@twprune{\c@twsliceb}{\c@twrtside}%
7147   \ifnum\c@twfirst=\@ne
7148     \setbox#2=\vbox{\unvbox#2\hbox
7149       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
7150   \else
7151     \setbox#2=\vbox{\unvbox#2\hbox
7152       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
7153   \fi
7154   \def\c@twfirst{2}
7155   \ifnum\c@twwinlines>\z@\repeat}
7156 \renewcommand*{\c@twcompoddctr}[2]{%
7157   \def\c@twrounds{1}
7158   \def\c@twfirst{1}
7159   \@for\c@twlspec:=\c@twb\do{%
7160     \ifnum\c@twrounds=1
7161       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7162       \c@twprune{\c@twslicea}{\c@twlspec}%
7163       \def\c@twrounds{2}
7164     \else
7165       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
7166       \c@twprune{\c@twsliceb}{\c@twlspec}%
7167       \ifnum\c@twfirst=1
7168         \setbox#2=\vbox{\unvbox#2\hbox
7169           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box
7170         \def\c@twfirst{2}
7171       \else
7172         \setbox#2=\vbox{\unvbox#2\hbox
7173           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else
7174       \fi
7175       \def\c@twrounds{1}
7176     \fi}}

```



43 File cuted-xetex-bidi.def

```

7177 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for XeLaTeX]
7178
7179 \def\RTL@outputdblcol{%
7180   \if@firstcolumn
7181     \global\@firstcolumnfalse
7182     \global\setbox\@leftcolumn\copy\@outputbox
7183     \splitmaxdepth\maxdimen
7184     \vbadness\maxdimen
7185     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7186     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7187     \toks@{\expandafter{\topmark}}%
7188     \xdef\@firstcoltopmark{\the\toks@}%
7189     \toks@{\expandafter{\splitfirstmark}}%
7190     \xdef\@firstcolfirstmark{\the\toks@}%
7191     \ifx\@firstcolfirstmark\@empty
7192       \global\let\@setmarks\relax
7193     \else
7194       \gdef\@setmarks{%
7195         \let\firstmark\@firstcolfirstmark
7196         \let\topmark\@firstcoltopmark}%
7197     \fi
7198   \else
7199     \global\@firstcolumntrue
7200     \setbox\@outputbox\vbox{%
7201       \hb@xt@\textwidth{%
7202         \hskip \columnwidth
7203         \hfil
7204         {\normalcolor\vrule \@width\columnseprule}%
7205         \hfil
7206         \hb@xt@\columnwidth{%
7207           \bidi@firstcolumn@status@write%
7208           \box\@leftcolumn \hss}%
7209           \hskip -\textwidth
7210           \hb@xt@\columnwidth{%
7211             \bidi@lastcolumn@status@write%
7212             \box\@outputbox \hss}%
7213             \hskip \columnsep
7214             \hskip \columnwidth }}%
7215     \ifvoid\hold@viper
7216     \else
7217       \setbox\@outputbox \vbox to\textheight{%
7218         \box\hold@viper
7219         \box\@outputbox
7220         \vss
7221       }%
7222     \fi
7223   \@combinedblfloats
7224   \@setmarks

```



```

7225 \@outputpage
7226 \beginingroup
7227   \@dblfloatplacement
7228   \@startdblcolumn
7229   \@whiles\if@fcolmade \fi{\@outputpage
7230   \@startdblcolumn}%
7231   \ifvoid\@viper
7232   \else
7233     \global\setbox\@viper\vbox{%
7234       \vskip-\stripsep
7235       \unvbox\@viper
7236     }%
7237     \@viperoutput
7238   \fi
7239 \endgroup
7240 \fi}%
7241
7242 \def\LTR@outputdblcol{%
7243   \if@firstcolumn
7244     \global\@firstcolumnfalse
7245     \global\setbox\@leftcolumn\copy\@outputbox
7246     \splitmaxdepth\maxdimen
7247     \vbadness\maxdimen
7248     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7249     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7250     \toks@{\expandafter{\topmark}}%
7251     \xdef\@firstcoltopmark{\the\toks@}%
7252     \toks@{\expandafter{\splitfirstmark}}%
7253     \xdef\@firstcolfirstmark{\the\toks@}%
7254     \ifx\@firstcolfirstmark\@empty
7255       \global\let\@setmarks\relax
7256     \else
7257       \gdef\@setmarks{%
7258         \let\firstmark\@firstcolfirstmark
7259         \let\topmark\@firstcoltopmark}%
7260     \fi
7261   \else
7262     \global\@firstcolumntrue
7263     \setbox\@outputbox\vbox{%
7264       \hb@xt@\textwidth{%
7265         \hb@xt@\columnwidth{%
7266           \bidi@firstcolumn@status@write%
7267           \box\@leftcolumn \hss}%
7268         \hfil
7269         {\normalcolor\vrule \@width\columnseprule}%
7270         \hfil
7271         \hb@xt@\columnwidth{%
7272           \bidi@lastcolumn@status@write%
7273           \box\@outputbox \hss}}}%
7274   \ifvoid\hold@viper

```




```

7275 \else
7276 \setbox\@outputbox \vbox to\textheight{%
7277 \box\hold@viper
7278 \box\@outputbox
7279 \vss
7280 }%
7281 \fi
7282 \@combinedblfloats
7283 \@setmarks
7284 \@outputpage
7285 \beginingroup
7286 \@dblfloatplacement
7287 \@startdblcolumn
7288 \@whiles\if@fcolmade \fi{\@outputpage
7289 \@startdblcolumn}%
7290 \ifvoid\@viper
7291 \else
7292 \global\setbox\@viper\vbox{%
7293 \vskip-\stripsep
7294 \unvbox\@viper
7295 }%
7296 \@viperoutput
7297 \fi
7298 \endgroup
7299 \fi}%
7300
7301
7302 \def \@addviper {%
7303 \if@firstcolumn
7304 \@insertfalse
7305 \@reqcolroom .5\@pageht
7306 \ht@viper\@reqcolroom
7307 \advance \@reqcolroom \ht@viper
7308 \advance \@reqcolroom \stripsep
7309 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7310 %%
7311 \@tempdimb \ht@viper
7312 \loop
7313 \setbox\v@aaa\copy\@holdpg
7314 \setbox\v@ccc\vbox to\@tempdimb{%
7315 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7316 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7317 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7318 \loop
7319 \setbox\v@aaa\copy\@holdpg
7320 \setbox\v@ccc\vbox to\@tempdimb{%
7321 \vsplit\v@aaa to\@tempdimb\vss}%
7322 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7323 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7324 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%

```



```

7325 \setbox\v@ccc\vbox to\@tempdimb{%
7326 \vsplit\@holdpg to\@tempdimb\vss}%
7327 %%
7328 \setbox\@tempboxa \vbox {%
7329 \hb@xt@\textwidth {%
7330 \if@RTLmain%
7331 \hskip \columnwidth
7332 \hfil \vrule width\columnseprule \hfil
7333 \hb@xt@\columnwidth {%
7334 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7335 \hskip -\textwidth
7336 \hb@xt@\columnwidth {%
7337 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7338 \hskip \columnsep
7339 \hskip \columnwidth
7340 \else%
7341 \hb@xt@\columnwidth {%
7342 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7343 \hfil
7344 \vrule \@width\columnseprule
7345 \hfil
7346 \hb@xt@\columnwidth {%
7347 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7348 \fi}%
7349 }%
7350 \ifvoid\hold@viper
7351 \global\setbox\hold@viper \vbox {%
7352 \unvbox\@tempboxa
7353 \penalty\interlinepenalty
7354 \vskip\stripsep
7355 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7356 \outputpenalty \z@
7357 }%
7358 \else
7359 \global\setbox\hold@viper \vbox {%
7360 \unvbox\hold@viper
7361 \unvbox\@tempboxa
7362 \penalty\interlinepenalty
7363 \vskip\stripsep
7364 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7365 \outputpenalty \z@
7366 }%
7367 \fi
7368 \ifdim \@colroom>\@reqcolroom
7369 \global\setbox\hold@viper \vbox {%
7370 \unvbox\hold@viper
7371 \box\@viper
7372 \penalty\interlinepenalty
7373 \vskip\stripsep
7374 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi

```



```

7375         \outputpenalty \z@
7376         }%
7377     \@inserttrue
7378     \advance\@tempdima by-\ht\hold@viper
7379     \global \advance \@colht \@tempdima
7380     \ifdim \@colht<2.5\baselineskip
7381         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7382             too tall on page \thepage (1 stulpelis)}%
7383         \@emptycol
7384         \if@firstcolumn
7385         \else
7386             \@emptycol
7387         \fi
7388         \global\@lastvipertrue
7389     \else
7390         \global \vsize \@colht
7391         \global \@colroom \@colht
7392         \check@floats
7393         \ifdim\@tempdima>\z@
7394             \global\advance\@colroom by-\@tempdima
7395         \fi
7396         \ifdim\@colroom<\z@
7397             \global\@colroom 1pt
7398             \ifdim\@tempdima>\@colht
7399                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7400                     netelpa lape \thepage (1 stulpelis)}%
7401             \fi
7402             \@emptycol
7403             \if@firstcolumn
7404             \else
7405                 \@emptycol
7406             \fi
7407             \global\@lastvipertrue
7408         \fi
7409     \fi
7410 \fi
7411 \else
7412     \@insertfalse
7413     \@reqcolroom\@colht
7414     \advance\@reqcolroom \@pageht
7415     \ht@viper.5\@reqcolroom
7416     \@reqcolroom\ht@viper
7417     \advance \@reqcolroom \ht\@viper
7418     \advance \@reqcolroom \stripsep
7419     \if@flushend@auto@baselineskip
7420         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7421             \global\lastskip@d\lastskip
7422             \global\lastskip@b\lastskip
7423         \loop
7424             \global\lastskip@a\lastskip@b

```



```

7425         \unskip\unpenalty
7426         \global\lastskip@b\lastskip
7427         \global\advance\lastskip@d by\lastskip
7428     \ifdim\lastskip@b=-\lastskip@a
7429         \global\advance\lastskip@d by-\lastskip
7430     \else
7431     \repeat
7432     \ifdim\lastskip@b=-\lastskip@a
7433         \ifdim\lastskip@b=\z@
7434             \setbox\lastbox@a\lastbox
7435             \global\advance\lastskip@d by\ht\lastbox@a
7436             \global\advance\lastskip@d by\lastskip
7437             \unskip\unpenalty
7438             \setbox\lastbox@a\lastbox
7439             \global\advance\lastskip@d by\dp\lastbox@a
7440         \else
7441             \global\lastskip@d\lastskip
7442             \global\advance\lastskip@d by\topskip
7443         \fi
7444     \fi
7445     \global\advance\lastskip@d by-\topskip
7446 }%
7447 \ifdim\ht\@holdpg>\@colht
7448     \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7449     \par\eject
7450     \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7451 }%
7452 \else
7453     \global\setbox\@holdpg\vbox{%
7454     \unvbox\@leftcolumn\unskip\unpenalty
7455     \vskip\lastskip@d
7456     \the\At@ViperColsBreak
7457     \unvbox\@holdpg
7458     \unskip
7459     }%
7460 \fi
7461 \else
7462     \global\setbox\@holdpg\vbox{%
7463     \unvbox\@leftcolumn
7464     \setbox\@tempboxa\lastbox
7465     \on@stripcols@break
7466     \the\At@ViperColsBreak
7467     \unvbox\@holdpg
7468     }%
7469 \fi
7470 \global\At@ViperColsBreak{}%
7471 \ht@viper .5\ht\@holdpg
7472 \ifdim \ht@viper>\@colht
7473     \ht@viper \@colht
7474 \fi

```



```

7475 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7476 %%
7477 \@tempdimb \ht@viper
7478 \loop
7479 \setbox\v@aaa\copy\@holdpg
7480 \setbox\v@ccc\vbox to\@tempdimb{%
7481 \vsplit\v@aaa to\@tempdimb
7482 \vss
7483 \vsplit\v@aaa to\@tempdimb
7484 }%
7485 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7486 \ifvoid\v@aaa
7487 \else
7488 \advance\@tempdimb 1\p@
7489 \repeat
7490 \loop
7491 \setbox\v@aaa\copy\@holdpg
7492 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7493 \wlog{(2)Left:\the\ht\v@ccc\space
7494 Right:\the\ht\v@aaa\space
7495 Output:\the\@tempdimb
7496 }%
7497 \ifdim\ht\v@ccc<\ht\v@aaa
7498 \@tempdimb \the\ht\v@aaa
7499 \repeat
7500 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7501 ^^JRight:\the\ht\v@aaa
7502 ^^JOutput:\the\@tempdimb
7503 }%
7504 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7505 \setbox\@tempboxa\vbox{%
7506 \hb@xt@\textwidth {%
7507 \if@RTLmain%
7508 \hskip \columnwidth
7509 \hfil \vrule width\columnseprule \hfil
7510 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7511 \hskip -\textwidth
7512 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7513 \hskip \columnsep
7514 \hskip \columnwidth
7515 \else
7516 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7517 \hfil
7518 \vrule \@width\columnseprule
7519 \hfil
7520 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7521 \fi%
7522 }%
7523 }%
7524 \ifvoid\hold@viper

```



```

7525     \global\setbox\hold@viper \vbox {%
7526         \unvbox\@tempboxa
7527         \penalty\interlinepenalty
7528         \vskip\stripsep
7529         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7530         \outputpenalty \z@
7531         }%
7532 \else
7533     \global\setbox\hold@viper \vbox {%
7534         \unvbox\hold@viper
7535         \unvbox\@tempboxa
7536         \penalty\interlinepenalty
7537         \vskip\stripsep
7538         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7539         \outputpenalty \z@
7540         }%
7541 \fi
7542 \ifdim \@colht>\@reqcolroom
7543     \global\setbox\hold@viper \vbox {%
7544         \unvbox\hold@viper
7545         \box\@viper
7546         \penalty\interlinepenalty
7547         \vskip\stripsep
7548         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7549         \outputpenalty \z@
7550         }%
7551 \inserttrue
7552 \global\@firstcolumntrue
7553 \advance\@tempdima by-\ht\hold@viper
7554 \global \advance \@colht \@tempdima
7555 \ifdim \@colht<2.5\baselineskip
7556     \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7557                             too tall on page \thepage (2 stulpelis)}%
7558     \@emptycol
7559     \if@firstcolumn
7560     \else
7561         \@emptycol
7562     \fi
7563     \global\@lastvipertrue
7564 \else
7565     \global \vsize \@colht
7566     \global \@colroom \@colht
7567     \check@floats
7568     \ifdim\@tempdima>\z@
7569         \global\advance\@colroom by-\@tempdima
7570     \fi
7571     \ifdim\@colroom<\z@
7572         \global\@colroom 1pt
7573         \ifdim\@tempdima>\@colht
7574             \latex@warning@no@line {TOP ir/ar BOT FLOAT's

```



```

7575                                     netelpe lape \thepage (2 stulpelis)}}%
7576                                     \fi
7577                                     \@emptycol
7578                                     \if@firstcolumn
7579                                     \else
7580                                     \@emptycol
7581                                     \fi
7582                                     \global\@lastvipertrue
7583                                 \fi
7584                             \fi
7585                         \fi
7586                    \fi
7587                \if@insert
7588                \else
7589                    \advance\@tempdima by-\ht\hold@viper
7590                    \global \advance \@colht \@tempdima
7591                    \global\setbox\hold@viper \vbox {%
7592                                                \unvbox\hold@viper
7593                                                \csname viper@top@hook\endcsname
7594                                                \vsplit\@viper to \@colht
7595                                                \vss
7596                                                }%
7597                    \vbox{}}%
7598                    \global\@firstcolumnfalse
7599                    \newpage
7600                \fi
7601            }

```

44 File cvthemebidicasual.sty

```

7602 \NeedsTeXFormat{LaTeX2e}
7603 \ProvidesPackage{cvthemebidicasual}
7604 \DeclareOption{blue}{}
7605 \newif\if@colourorange\@colourorangefalse
7606 \DeclareOption{orange}{\@colourorangetrue}
7607 \newif\if@colourgreen\@colourgreenfalse
7608 \DeclareOption{green}{\@colourgreentrue}
7609 \newif\if@colourred\@colourredfalse
7610 \DeclareOption{red}{\@colourredtrue}
7611 \newif\if@colourgrey\@colourgreyfalse
7612 \DeclareOption{grey}{\@colourgreytrue}
7613 \DeclareOption*{
7614     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
7615 \ExecuteOptions{colour}
7616 \ProcessOptions\relax
7617 \renewcommand*{\listitemsymbol}{\textbullet}
7618 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7619 \familynamecolour{808080}
7620 \firstnamecolour{A9A9A9}
7621 \quotecolour{696969}

```



```

7622 \addresscolour{696969}
7623 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7624 \sectiontitlecolour{1E90FF}
7625 \subsectioncolour{4682B4}
7626 \definecolor{rulecolour}{gray}{0.6}
7627 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7628 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7629 \if@colourorange
7630 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7631 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7632 \sectiontitlecolour{FF8C00}
7633 \subsectioncolour{FF8C00}
7634 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7635 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7636 \if@colourgreen
7637 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7638 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7639 \sectiontitlecolour{008000}
7640 \subsectioncolour{008000}
7641 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7642 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7643 \if@coloured
7644 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7645 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7646 \sectiontitlecolour{FF0000}
7647 \subsectioncolour{FF0000}
7648 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7649 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7650 \if@colourgrey
7651 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7652 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7653 \sectiontitlecolour{808080}
7654 \subsectioncolour{808080}
7655 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7656 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7657 \renewcommand*{\ttdefault}{pcr}
7658 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7659 \renewcommand*{\familynamefont}{\firstnamefont}
7660 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7661 \renewcommand*{\quoteftfont}{\large\slshape}
7662 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7663 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7664 \renewcommand*{\maketitle}{%
7665   {%
7666     \ifthenelse{\isundefined{\@photo}}{%
7667       {%
7668         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7669         \hfill%
7670         \bidi@raggedleft{\firstnamestyle{\@firstname}\familynamestyle{\@familyname}}\[-.35em]}%
7671       {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%

```




```

7672 \ifthenelse{\isundefined{\@quote}}{%
7673   {%
7674     \centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[/
7675   }%
7676 \newif\if@firstfooterelement\@firstfooterelementtrue
7677 \providecommand*\footersymbol{}
7678 \renewcommand*\footersymbol{%
7679   \if@firstfooterelement%
7680   \else%
7681     { ~\color{footersymbolcolor}\textbullet~~}\fi}
7682 \providecommand*\makefooter{}
7683 \renewcommand*\makefooter{%
7684   \fancypagestyle{plain}{%
7685     \fancyfoot[c]{%
7686       \parbox{0.8\textwidth}{%
7687         \centering%
7688         \addressfont\@addresscolour%
7689         \ifthenelse{\isundefined{\@address}}{}{%
7690           \addresssymbol~\@address\%
7691           \@firstfooterelementfalse}%
7692         \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7693         \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7694         \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7695         \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}%
7696         \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7697       }%
7698     \pagestyle{plain}}
7699 \AtBeginDocument{\makefooter}

```

45 File cvthemebidiclassic.sty

```

7700 \NeedsTeXFormat{LaTeX2e}
7701 \ProvidesPackage{cvthemebidiclassic}
7702 \DeclareOption{blue}{}
7703 \newif\if@colourorange\@colourorangefalse
7704 \DeclareOption{orange}{\@colourorange>true}
7705 \newif\if@colourgreen\@colourgreenfalse
7706 \DeclareOption{green}{\@colourgreentrue}
7707 \newif\if@colourred\@colourredfalse
7708 \DeclareOption{red}{\@colourred>true}
7709 \newif\if@colourgrey\@colourgreyfalse
7710 \DeclareOption{grey}{\@colourgrey>true}
7711 \DeclareOption*{
7712   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7713 \ExecuteOptions{colour}
7714 \ProcessOptions\relax
7715 \renewcommand*\listitemsymbol{\textbullet}
7716 \firstnamecolour{}
7717 \familynamecolour{}
7718 \titlecolour{808080}

```



```

7719 \quotecolour{696969}
7720 \addresscolour{696969}
7721 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7722 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7723 \sectiontitlecolour{1E90FF}
7724 \subsectioncolour{4682B4}
7725 \if@colourorange
7726   \addresscolour{FF8C00}
7727   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7728   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7729   \sectiontitlecolour{FF8C00}
7730   \subsectioncolour{FF8C00}\fi
7731 \if@colourgreen
7732   \addresscolour{008000}
7733   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7734   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7735   \sectiontitlecolour{008000}
7736   \subsectioncolour{008000}\fi
7737 \if@coloured
7738   \addresscolour{FF0000}
7739   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7740   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7741   \sectiontitlecolour{FF0000}
7742   \subsectioncolour{FF0000}\fi
7743 \if@colourgrey
7744   \addresscolour{808080}
7745   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7746   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7747   \sectiontitlecolour{808080}
7748   \subsectioncolour{808080}\fi
7749 \renewcommand*{\ttdefault}{pcr}
7750 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7751 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7752 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7753 \renewcommand*{\familynamefont}{\firstnamefont}
7754 \renewcommand*{\quoteont}{\large\slshape}
7755 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7756 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7757 \newlength{\maketitlemaxwidth}
7758 \setlength{\maketitlemaxwidth}{.525\textwidth}
7759 \newlength{\maketitlefullwidth}
7760 \settowidth{\maketitlefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7761 \newlength{\maketitlewidth}
7762 \ifnum\maketitlemaxwidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}\fi
7763 \newlength{\maketitlepicturewidth}
7764 \setlength{\maketitlepicturewidth}{\@photowidth}
7765 \newlength{\maketitledetailwidth}
7766 \renewcommand*{\recomputethemelengths}{%
7767   \setlength{\maketitledetailwidth}{\textwidth}%
7768   \addtolength{\maketitledetailwidth}{-\maketitlewidth}%

```



```

7769 \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
7770 \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}%
7771 \recomputethemelengths
7772 \newif\if@firstdetailselement\@firstdetailselementtrue
7773 \newcommand*{\maketitledetailsnewline}{
7774   \if@firstdetailselement%
7775     \@firstdetailselementfalse%
7776   \else%
7777     \[.2em]\fi}
7778 \renewcommand*{\maketitle}{%
7779   % name and title
7780   \begin{minipage}[b]{\maketitlelinewidth}%
7781     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7782     \ifthenelse{equal{\@title}{}}{\}[1.25em]\titlestyle{\@title}}%
7783   \end{minipage}%
7784   % optional data
7785   \begin{minipage}[b]{\maketitledetailswidth}%
7786     \bidi@raggedleft\addressfont\@addresscolour%
7787     \ifthenelse{isundefined{\@address}}{\}%
7788     \maketitledetailsnewline%
7789     \addresssymbol~\@address}%
7790     \ifthenelse{isundefined{\@mobile}}{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
7791     \ifthenelse{isundefined{\@phone}}{\}\maketitledetailsnewline\phonesymbol~\@phone}%
7792     \ifthenelse{isundefined{\@fax}}{\}\maketitledetailsnewline\faxsymbol~\@fax}%
7793     \ifthenelse{isundefined{\@email}}{\}\maketitledetailsnewline\emailsymbol~\emaillink{\@email}}%
7794     \ifthenelse{isundefined{\@extrainfo}}{\}\maketitledetailsnewline\@extrainfo}%
7795   \end{minipage}%
7796   % optional photo
7797   \ifthenelse{isundefined{\@photo}}{\}%
7798   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlephoto]{\@photo}}}%
7799   % optional quote
7800   \ifthenelse{isundefined{\@quote}}{\}%
7801   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}[1.25em]}
7802 }
7803 }
7804 }

```

46 File dblfnote-xetex-bidi.def

```

7805 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7806 \let\autofooterule\relax
7807 \let\rightfootnoterule\relax
7808 \let\leftfootnoterule\relax
7809 \let\textwidthfootnoterule\relax
7810 \let\LRfootnoterule\relax
7811 \def\footnoterule{\kern-3\p@
7812   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7813 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}
7814 \let\@footnotetext\dfn@footnotetext}
7815 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{

```



```

7816 \let\insert\dfn@gobble
7817 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7818 \def\@makefnmark{\smash{\dfn@makefnmark}}
7819 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7820 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7821 \ifdim\dfn@dima>\z@\else
7822 \dfn@dima\sp\relax
7823 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7824 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7825 \ifvoid\dfn@ins\else
7826 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7827 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7828 \setbox\dfn@boxa\copy\dfn@ins
7829 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7830 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7831 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7832 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7833 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7834 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7835 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7836 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7837 \let\insert\dfn@gobble
7838 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7839 \def\@makefnmark{\smash{\dfn@makefnmark}}
7840 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7841 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7842 \ifdim\dfn@dima>\z@\else
7843 \dfn@dima\sp\relax
7844 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7845 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7846 \ifvoid\dfn@ins\else
7847 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7848 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7849 \setbox\dfn@boxa\copy\dfn@ins
7850 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7851 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7852 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7853 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7854 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7855 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7856 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7857 \def\dfn@RTLmakecol{{\ifvoid\footins\else
7858 \dfn@dima\ht\footins
7859 \@tempcnta\z@ \dfn@countins
7860 \@tempdima\z@ \let\@elt\dfn@elt@getht
7861 \dfn@list\@nil
7862 \ifdim\@tempdima=\z@\else
7863 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7864 \global\setbox\dfn@ins\box\dfn@ins
7865 \@tempwattrue

```



```

7866 \ifdfn@trysingle
7867 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7868 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7869 \advance\@tempdima-\skip\footins
7870 \advance\@tempdima-\ht\dfn@boxa
7871 \ifdim\@tempdima<z@\else \@tempswafalse
7872 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7873 \footnoterule \unvbox\dfn@boxa}\fi\fi
7874 \if@tempswa
7875 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7876 \global\setbox\footins\vbox{\hbox{%
7877 \hskip \DFNcolumnwidth
7878 \hskip\DFNcolumnsep
7879 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7880 \unvbox\dfn@boxb\vss}\hss}
7881 \hskip -\textwidth
7882 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7883 \vbox to\@tempdima{
7884 \setbox\@tempboxa\vbox{\footnoterule}
7885 \ifdfn@ruleboth \unvbox\@tempboxa
7886 \else \@tempdima\ht\@tempboxa
7887 \advance\@tempdima\dp\@tempboxa
7888 \vskip\@tempdima
7889 \prevdepth\dp\@tempboxa \fi
7890 \unvbox\dfn@boxa\vss}\fi\hss}
7891 \hskip \DFNcolumnsep
7892 \hskip \DFNcolumnwidth}}\fi\fi
7893 \global\dfn@fnht\z@
7894 \ifx\dfn@list\@empty\else
7895 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7896 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7897 \let\@elt\relax
7898 \ifdim\dfn@dimb>\z@
7899 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7900 \insert\footins{\floatingpenalty\@MM
7901 \vbox to\dfn@dimb{}}\fi
7902 \ifdim\dfn@fnht>\@tempdima
7903 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7904 \global\dfn@fnht\@tempdima
7905 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7906 \xdef\dfn@afteroutput{\insert\footins{
7907 \floatingpenalty\@MM
7908 \vbox to\number\@tempdimb sp{}}}%
7909 \global\let\noexpand\dfn@afteroutput\relax}%
7910 \fi\fi
7911 \fi}%
7912 \let\footnoterule\relax \dfn@latex@makecol
7913 \let\footnoterule\dfn@footnoterule}
7914 \def\dfn@LTRmakecol{\ifvoid\footins\else
7915 \dfn@dima\ht\footins

```



```

7916 \@tempcnta\z@ \dfn@countins
7917 \@tempdima\z@ \let\@elt\dfn@elt@getht
7918 \dfn@list\@nil
7919 \ifdim\@tempdima=\z@\else
7920 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7921 \global\setbox\dfn@ins\box\dfn@ins
7922 \@tempswatrue
7923 \ifdfn@trysingle
7924 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7925 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7926 \advance\@tempdima-\skip\footins
7927 \advance\@tempdima-\ht\dfn@boxa
7928 \ifdim\@tempdima<\z@\else \@tempswafalse
7929 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7930 \footnoterule \unvbox\dfn@boxa}\fi\fi
7931 \if@tempswa
7932 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7933 \global\setbox\footins\vbox{\hbox{%
7934 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7935 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7936 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7937 \vbox to\@tempdima{
7938 \setbox\@tempboxa\vbox{\footnoterule}
7939 \ifdfn@ruleboth \unvbox\@tempboxa
7940 \else \@tempdima\ht\@tempboxa
7941 \advance\@tempdima\dp\@tempboxa
7942 \vskip\@tempdima
7943 \prevdepth\dp\@tempboxa \fi
7944 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7945 \global\dfn@fnht\z@
7946 \ifx\dfn@list\@empty\else
7947 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7948 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7949 \let\@elt\relax
7950 \ifdim\dfn@dimb>\z@
7951 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7952 \insert\footins{\floatingpenalty\@MM
7953 \vbox to\dfn@dimb{}}\fi
7954 \ifdim\dfn@fnht>\@tempdima
7955 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7956 \global\dfn@fnht\@tempdima
7957 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7958 \xdef\dfn@afteroutput{\insert\footins{
7959 \floatingpenalty\@MM
7960 \vbox to\number\@tempdimb sp{}}}%
7961 \global\let\noexpand\dfn@afteroutput\relax}%
7962 \fi\fi
7963 \fi}%
7964 \let\footnoterule\relax \dfn@latex@makecol
7965 \let\footnoterule\dfn@footnoterule}

```



```

7966 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7967 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7968 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7969 \DFNalwaysdouble

```

47 File diagbox-xetex-bidi.def

```

7970 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for
7971 \bidi@patchcmd{\diagbox@double}{%
7972   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7973 }{\bidi@@diagbox@double@ii}{-}{-}
7974 \bidi@patchcmd{\diagbox@double}{%
7975   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
7976 }{\bidi@@diagbox@double@iii}{-}{-}
7977 \newcommand*{\bidi@@diagbox@double@ii}{%
7978   \if@RTL
7979     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
7980   \else
7981     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7982   \fi
7983 }
7984 \newcommand*{\bidi@@diagbox@double@iii}{%
7985   \if@RTL
7986     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7987   \else
7988     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7989   \fi
7990 }
7991 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7992   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7993 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
7994 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7995   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7996 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
7997 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7998   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7999 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
8000 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
8001   \if@RTL
8002     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
8003   \else
8004     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8005   \fi
8006 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
8007   \if@RTL
8008     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8009   \else
8010     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8011   \fi
8012 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW

```



```

8013 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8014     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
8015 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
8016 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8017     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8018 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8019 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8020     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8021 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8022 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
8023     \if@RTL
8024     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}
8025     \else
8026     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
8027     \fi
8028 }
8029 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
8030     \if@RTL
8031     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
8032     \else
8033     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}
8034     \fi
8035 }
8036 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
8037 \bidi@patchcmd{\diagbox@double@pict@SE}{%
8038     \diagbox@setlinecolor
8039     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
8040 }{%
8041     {\diagbox@setlinecolor
8042     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
8043 }{-}{-}
8044 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
8045 \bidi@patchcmd{\diagbox@double@pict@NE}{%
8046     \diagbox@setlinecolor
8047     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
8048 }{%
8049     {\diagbox@setlinecolor
8050     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
8051 }{-}{-}
8052 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
8053 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
8054     \diagbox@setlinecolor
8055     \Line(0,\yym)(\x,0)
8056     \Line(\xm,\y)(\x,0)%
8057 }{%
8058     {\diagbox@setlinecolor
8059     \Line(0,\yym)(\x,0)
8060     \Line(\xm,\y)(\x,0)}%
8061 }{-}{-}
8062 \bidi@patchcmd{\diagbox@triple@pict@NE}{%

```




```

8063 \diagbox@setlinecolor
8064 \Line(0,0)(\xxm,\y)
8065 \Line(0,0)(\x,\yym)%
8066 }{%
8067 {\diagbox@setlinecolor
8068 \Line(0,0)(\xxm,\y)
8069 \Line(0,0)(\x,\yym)}%
8070 }{}{}
8071 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
8072 \diagbox@setlinecolor
8073 \Line(0,\ym)(\x,\y)
8074 \Line(\xm,0)(\x,\y)%
8075 }{%
8076 {\diagbox@setlinecolor
8077 \Line(0,\ym)(\x,\y)
8078 \Line(\xm,0)(\x,\y)}%
8079 }{}{}
8080 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
8081 \diagbox@setlinecolor
8082 \Line(0,\y)(\xxm,0)
8083 \Line(0,\y)(\x,\ym)%
8084 }{%
8085 {\diagbox@setlinecolor
8086 \Line(0,\y)(\xxm,0)
8087 \Line(0,\y)(\x,\ym)}%
8088 }{}{}

```

48 File draftwatermark-xetex-bidi.def

```

8089 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
8090 \renewcommand\SetWatermarkText[1]{%
8091 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

49 File eso-pic-xetex-bidi.def

```

8092 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for xetex]
8093 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8094 \put(\LenToUnit{\if@RTLmain\paperwidth\else\opt\fi},\LenToUnit{-\paperheight}){#1}}}
8095
8096 \ESO@isMEMOIR{%
8097 \renewcommand\AtTextUpperLeft[1]{%
8098 \begingroup
8099 \ifodd\c@page
8100 \@tempdima=\spinemargin
8101 \else
8102 \@tempdima=\paperwidth
8103 \advance\@tempdima-\textwidth
8104 \advance\@tempdima-\spinemargin
8105 \fi
8106 \@tempdimb=-\uppermargin

```



```

8107     \AtPageUpperLeft{%
8108         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8109     }%
8110 \endgroup
8111 }
8112 }{%
8113 \renewcommand\AtTextUpperLeft[1]{%
8114     \begingroup
8115     \@tempdima=1in\relax
8116     \ifodd\c@page
8117         \advance\@tempdima\oddsidemargin
8118     \else
8119         \advance\@tempdima\evensidemargin
8120     \fi
8121     \@tempdimb=-1in\relax
8122     \advance\@tempdimb-\topmargin
8123     \advance\@tempdimb-\headheight
8124     \advance\@tempdimb-\headsep
8125     \AtPageUpperLeft{%
8126         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8127     }%
8128 \endgroup
8129 }
8130 }

```

50 File empheq-xetex-bidi.def

```

8131 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for ]
8132 \MHInternalSyntaxOn
8133 \def\EQ_tag_plus_endmark:{%
8134     \iftagsleft@
8135     \gdef\maketag@@@##1{%
8136         \hfuzz\displaywidth
8137         \if@RTL\makebox[\widthof{##1}][r]{%
8138             \hbox to \displaywidth{\m@th\normalfont##1\hss
8139                 \raisebox{-\dp\EQ_mathdisplay_box
8140                     -\depthof{\EQ_outerbox:}}{
8141                     {\PotEndMark{\hss}}}}
8142         \else\makebox[\widthof{##1}][l]{%
8143             \hbox to \displaywidth{\m@th\normalfont##1\hss
8144                 \raisebox{-\dp\EQ_mathdisplay_box
8145                     -\depthof{\EQ_outerbox:}}{
8146                     {\PotEndMark{\hss}}}}\fi}%
8147 \MH_else:
8148 \gdef\maketag@@@##1{%
8149     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
8150         \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
8151         \MH_addtolength:dn \@tempdima
8152         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
8153         \setlength{\@tempdimb}

```



```

8154      {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:{}}}
8155      +\depthof{\EQ_innerbox:{}}}}
8156      \MH_if_dim:w \@tempdima>\@tempdimb
8157      \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8158      -\@tempdima+\g_EQ_bottomrow_depth_dim}
8159      \addtolength{\@tempdima}{\depthof{\EQ_innerbox:{}}}%
8160      \def\EQ_next:{\raisebox{\@tempdima}}%
8161      \MH_else:
8162      \def\EQ_next:{
8163      \raisebox{-\dp\EQ_mathdisplay_box
8164      -\depthof{\EQ_outerbox:{}}}%
8165      \MH_fi:\EQ_next:}}}%
8166      \MH_fi:}
8167 \def\EQ_post_process:{%
8168   \EQ_initialize:
8169   \EQ_begin_equation:
8170   \MH_if_boolean:nT {outer_mult}{
8171     \setkeys{\MT_options_name:}{
8172       firstline-afterskip=0pt,
8173       lastline-preskip=0pt,
8174       multlined-width=0pt,
8175     }
8176     \ifodd \l_EQ_alignmentmode_int
8177       \setkeys{\MT_options_name:}{multlined-pos=b}
8178     \MH_else:
8179       \setkeys{\MT_options_name:}{multlined-pos=t}
8180     \MH_fi:
8181     \g@addto@macro\EQ_complete_mathdisplay:{
8182       \begin{MTmultlined}\relax}
8183   }
8184   \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8185   \MH_if_boolean:nT {outer_mult}{
8186     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8187   }
8188   \EQ_end_equation:
8189   \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8190   \savecounters@
8191   \EQ_typeset_tags:
8192   \edef\l_EQ_equation_fint{\number\c@equation}
8193   \restorecounters@
8194   \Hy@linkcounter=\EQ_hyperref_link_fint
8195   \settowidth\l_EQ_totalwidth_dim{%
8196     $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
8197   \MH_if_boolean:nTF {outer_mult}
8198     { \def\EQ_next:{_mult} }
8199     { \def\EQ_next:{} }
8200   \@nameuse{EQ_modify_linewidth_
8201     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8202   \EQ_typeset_display:
8203   \@nameuse{EQ_find_displaywidth_

```



```

8204         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8205 \MH_addtolength:dn
8206   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
8207 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8208   $\EQ_left_side:
8209   \EQ_innerbox:{%
8210     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8211     \makebox[\l_EQ_displaywidth_dim][c]
8212     {\usebox{\EQ_mathdisplay_box}}}%
8213   \MH_or:
8214     \makebox[\l_EQ_displaywidth_dim][c]
8215     {\usebox{\EQ_mathdisplay_box}}}%
8216   \MH_or:
8217     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8218       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8219         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8220           \kern-\@mathmargin
8221         \MH_fi:
8222       \MH_fi:
8223       \usebox{\EQ_mathdisplay_box}}}%
8224   \else\makebox[\l_EQ_displaywidth_dim][l]{%
8225     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8226       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8227         \kern-\@mathmargin
8228       \MH_fi:
8229     \MH_fi:
8230     \usebox{\EQ_mathdisplay_box}}\fi%
8231   \MH_or:
8232     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8233       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8234         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8235           \kern-\@mathmargin
8236         \MH_fi:
8237       \MH_fi:
8238       \usebox{\EQ_mathdisplay_box}}
8239   \else\makebox[\l_EQ_displaywidth_dim][l]{%
8240     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8241       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8242         \kern-\@mathmargin
8243       \MH_fi:
8244     \MH_fi:
8245     \usebox{\EQ_mathdisplay_box}}\fi%
8246   \MH_fi:}%
8247   \EQ_right_side:$}%
8248 \begin{AmSequation*}
8249 \@nameuse{EQ_place_display_
8250   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8251 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8252 \MH_set_boolean_T:n {show_manual_tags}
8253   \MH_if_case:w \l_EQ_alignmentmode_int

```



```

8254 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
8255 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
8256 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
8257 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
8258 \MH_fi:
8259 \MH_fi:
8260 \end{AmSequation*}
8261 \global\c@equation=\l_EQ_equation_fint\relax
8262 }
8263 \AtBeginDocument{%
8264 \ifpackageloaded{fancybox}{%
8265 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8266 {\renewcommand*{\textcolor[2]{\normalcolor{\#2}}}%
8267 \renewcommand*{\shadowbox{%
8268 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
8269 \VerbBox\EQ_shadowbox:n}
8270 {\MH_set_boolean_F:n {shadowbox_star}
8271 \VerbBox\EQ_shadowbox:n}}
8272 \def\EQ_shadowbox:n #1{%
8273 \sbox{\z@}{\fbox{\#1}}%
8274 \MH_if_boolean:nTF {shadowbox_star}{
8275 \MH_setlength:dn \@tempdima{\z@}%
8276 }{
8277 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8278 }
8279 \raisebox{\@tempdima}{%
8280 \if@RTL\makebox[\z@][r]{%
8281 \kern\shadowsize \textcolor{shadowcolor}{%
8282 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8283 }%
8284 \else\makebox[\z@][l]{%
8285 \kern\shadowsize \textcolor{shadowcolor}{%
8286 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8287 }\fi%
8288 \usebox\z@\textcolor{shadowcolor}{%
8289 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8290 }{}%
8291 }
8292 \MHInternalSyntaxOff

```

51 File extarticle-xetex-bidi.def

```

8293 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8294 \renewcommand*\l@section[2]{%
8295 \ifnum \c@tocdepth >\z@
8296 \addpenalty\@secpenalty
8297 \addvspace{1.0em \@plus\p@}%
8298 \setlength\@tempdima{1.5em}%
8299 \begingroup
8300 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

8301 \parfillskip -\@pnumwidth
8302 \leavevmode \bfseries
8303 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
8304 \hskip -\if@RTL\righskip\else\leftskip\fi
8305 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8306 \endgroup
8307 \fi}
8308 \renewcommand*\l@part[2]{%
8309 \ifnum \c@tocdepth >-2\relax
8310 \addpenalty\@secpenalty
8311 \addvspace{2.25em \@plus\p@}%
8312 \begingroup
8313 \setlength\@tempdima{3em}%
8314 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
8315 \parfillskip -\@pnumwidth
8316 {\leavevmode
8317 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8318 \nobreak
8319 \endgroup
8320 \fi}
8321 \def\@part[#1]#2{%
8322 \ifnum \c@secnumdepth >\m@ne
8323 \refstepcounter{part}%
8324 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8325 \else
8326 \addcontentsline{toc}{part}{#1}%
8327 \fi
8328 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8329 \interlinepenalty \@M
8330 \normalfont
8331 \ifnum \c@secnumdepth >\m@ne
8332 \Large\bfseries \partname~\thepart
8333 \par\nobreak
8334 \fi
8335 \huge \bfseries #2%
8336 \markboth{}{}\par}%
8337 \nobreak
8338 \vskip 3ex
8339 \@afterheading}
8340 \def\@spart#1{%
8341 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8342 \interlinepenalty \@M
8343 \normalfont
8344 \huge \bfseries #1\par}%
8345 \nobreak
8346 \vskip 3ex
8347 \@afterheading}
8348 \renewenvironment{thebibliography}[1]
8349 {\section*\refname
8350 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%

```



```

8351         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8352         \bidi@thebibliography@font@hook%
8353         \list{\@biblabel{\@arabic\c@enumiv}}%
8354         {\settowidth\labelwidth{\@biblabel{#1}}%
8355         \leftmargin\labelwidth
8356         \advance\leftmargin\labelsep
8357         \@openbib@code
8358         \usecounter{enumiv}%
8359         \let\p@enumiv\@empty
8360         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8361         \sloppy\clubpenalty4000\widowpenalty4000%
8362         \sfcode`.\@m}
8363     {\def\@noitemerr
8364     {\@latex@warning{Empty `thebibliography' environment}}}%
8365     \endlist}
8366 \renewcommand\left@footnoterule{%
8367 \kern-3\p@
8368 \hrule\@width.4\columnwidth
8369 \kern2.6\p@}
8370 \renewcommand\right@footnoterule{%
8371 \kern-3\p@
8372 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8373 \kern2.6\p@}
8374 \if@titlepage
8375 \renewcommand\maketitle{\begin{titlepage}%
8376 \let\footnotesize\small
8377 \let\right@footnoterule\relax
8378 \let\left@footnoterule\relax
8379 \let\textwidth\footnoterule\relax
8380 \let \footnote \thanks
8381 \null\vfil
8382 \vskip 60\p@
8383 \begin{center}%
8384 {\LARGE \@title \par}%
8385 \vskip 3em%
8386 {\large
8387 \lineskip .75em%
8388 \begin{tabular}[t]{c}%
8389 \@author
8390 \end{tabular}\par}%
8391 \vskip 1.5em%
8392 {\large \@date \par}% % Set date in \large size.
8393 \end{center}\par
8394 \@thanks
8395 \vfil\null
8396 \end{titlepage}%
8397 \setcounter{footnote}{0}%
8398 \global\let\thanks\relax
8399 \global\let\maketitle\relax
8400 \global\let\@thanks\@empty

```



```

8401 \global\let\@author\@empty
8402 \global\let\@date\@empty
8403 \global\let\@title\@empty
8404 \global\let\title\relax
8405 \global\let\author\relax
8406 \global\let\date\relax
8407 \global\let\and\relax
8408 }
8409 \else
8410 \renewcommand\maketitle{\par
8411 \begingroup
8412 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8413 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8414 \long\def\@makefntext##1{\parindent 1em\noindent
8415 \hb@xt@1.8em{%
8416 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8417 \if@twocolumn
8418 \ifnum \col@number=\@ne
8419 \maketitle
8420 \else
8421 \twocolumn[\maketitle]%
8422 \fi
8423 \else
8424 \newpage
8425 \global\@topnum\z@ % Prevents figures from going at top of page.
8426 \maketitle
8427 \fi
8428 \thispagestyle{plain}\@thanks
8429 \endgroup
8430 \setcounter{footnote}{0}%
8431 \global\let\thanks\relax
8432 \global\let\maketitle\relax
8433 \global\let\@maketitle\relax
8434 \global\let\@thanks\@empty
8435 \global\let\@author\@empty
8436 \global\let\@date\@empty
8437 \global\let\@title\@empty
8438 \global\let\title\relax
8439 \global\let\author\relax
8440 \global\let\date\relax
8441 \global\let\and\relax
8442 }
8443 \def\@maketitle{%
8444 \newpage
8445 \null
8446 \vskip 2em%
8447 \begin{center}%
8448 \let \footnote \thanks
8449 {\LARGE \@title \par}%
8450 \vskip 1.5em%

```




```

8451     {\large
8452       \lineskip .5em%
8453       \begin{tabular}[t]{c}%
8454         \@author
8455       \end{tabular}\par}%
8456     \vskip 1em%
8457     {\large \@date}%
8458 \end{center}%
8459 \par
8460 \vskip 1.5em}
8461 \fi
8462 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8463 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8464 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8465 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

52 File extbook-xetex-bidi.def

```

8466 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for X
8467 \if@titlepage
8468 \renewcommand\maketitle{\begin{titlepage}%
8469 \let\footnotesize\small
8470 \let\right@footnoterule\relax
8471 \let\left@footnoterule\relax
8472 \let\textwidth@footnoterule\relax
8473 \let \footnote \thanks
8474 \let \LTRfootnote \LTRthanks
8475 \let \RTLfootnote \RTLthanks
8476 \null\vfil
8477 \vskip 60\p@
8478 \begin{center}%
8479   {\LARGE \@title \par}%
8480   \vskip 3em%
8481   {\large
8482     \lineskip .75em%
8483     \begin{tabular}[t]{c}%
8484       \@author
8485     \end{tabular}\par}%
8486     \vskip 1.5em%
8487     {\large \@date \par}%           % Set date in \large size.
8488 \end{center}\par
8489 \@thanks
8490 \vfil\null
8491 \end{titlepage}%
8492 \setcounter{footnote}{0}%
8493 \global\let\thanks\relax
8494 \global\let\LTRthanks\relax
8495 \global\let\RTLthanks\relax
8496 \global\let\maketitle\relax
8497 \global\let\@thanks\@empty

```



```

8498 \global\let\@author\@empty
8499 \global\let\@date\@empty
8500 \global\let\@title\@empty
8501 \global\let\title\relax
8502 \global\let\author\relax
8503 \global\let\date\relax
8504 \global\let\and\relax
8505 }
8506 \else
8507 \renewcommand\maketitle{\par
8508 \begingroup
8509 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8510 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8511 \long\def\@makefntext##1{\parindent 1em\noindent
8512 \hb@xt@1.8em{%
8513 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8514 \if@twocolumn
8515 \ifnum \col@number=\@ne
8516 \maketitle
8517 \else
8518 \twocolumn[\maketitle]%
8519 \fi
8520 \else
8521 \newpage
8522 \global\@topnum\z@ % Prevents figures from going at top of page.
8523 \maketitle
8524 \fi
8525 \thispagestyle{plain}\@thanks
8526 \endgroup
8527 \setcounter{footnote}{0}%
8528 \global\let\thanks\relax
8529 \global\let\LTRthanks\relax
8530 \global\let\RTLthanks\relax
8531 \global\let\maketitle\relax
8532 \global\let\@maketitle\relax
8533 \global\let\@thanks\@empty
8534 \global\let\@author\@empty
8535 \global\let\@date\@empty
8536 \global\let\@title\@empty
8537 \global\let\title\relax
8538 \global\let\author\relax
8539 \global\let\date\relax
8540 \global\let\and\relax
8541 }
8542 \def\@maketitle{%
8543 \newpage
8544 \null
8545 \vskip 2em%
8546 \begin{center}%
8547 \let \footnote \thanks

```



```

8548 \let \LTRfootnote \LTRthanks
8549 \let \RTLfootnote \RTLthanks
8550 {\LARGE \@title \par}%
8551 \vskip 1.5em%
8552 {\large
8553 \lineskip .5em%
8554 \begin{tabular}[t]{c}%
8555 \author
8556 \end{tabular}\par}%
8557 \vskip 1em%
8558 {\large \@date}%
8559 \end{center}%
8560 \par
8561 \vskip 1.5em}
8562 \fi
8563 \renewcommand*\l@part[2]{%
8564 \ifnum \c@tocdepth >-2\relax
8565 \addpenalty{-\@highpenalty}%
8566 \addvspace{2.25em \@plus\p@}%
8567 \begingroup
8568 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \pnumwidth
8569 \parfillskip -\pnumwidth
8570 {\leavevmode
8571 \large \bfseries #1\hfil \hb@xt@\pnumwidth{\hss #2}}\par
8572 \nobreak
8573 \global\@nobreaktrue
8574 \everypar{\global\@nobreakfalse\everypar{}}%
8575 \endgroup
8576 \fi}
8577 \renewcommand\theequation
8578 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8579 \renewcommand \thefigure
8580 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8581 \renewcommand \thetable
8582 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8583 \renewcommand \thechapter {\@arabic\c@chapter}
8584 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8585 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8586 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8587 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8588 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8589 \def\@makechapterhead#1{%
8590 \vspace*{50\p@}%
8591 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8592 \ifnum \c@secnumdepth >\m@ne
8593 \if@mainmatter
8594 \huge\bfseries \@chapapp\space \thechapter
8595 \par\nobreak
8596 \vskip 20\p@
8597 \fi

```



```

8598 \fi
8599 \interlinepenalty\@M
8600 \Huge \bfseries #1\par\nobreak
8601 \vskip 40\p@
8602 }}
8603
8604 \def\@makeschapterhead#1{%
8605 \vspace*{50\p@}%
8606 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8607 \normalfont
8608 \interlinepenalty\@M
8609 \Huge \bfseries #1\par\nobreak
8610 \vskip 40\p@
8611 }}
8612 \renewcommand\backmatter{%
8613 \if@openright
8614 \cleardoublepage
8615 \else
8616 \clearpage
8617 \fi
8618 \@mainmatterfalse}
8619 \renewenvironment{thebibliography}[1]
8620 {
\chapter*{\bibname
8621 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8622 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8623 \bidi@thebibliography@font@hook%
8624 \list{\@biblabel{\@arabic\c@enumiv}}%
8625 {\settowidth\labelwidth{\@biblabel{#1}}%
8626 \leftmargin\labelwidth
8627 \advance\leftmargin\labelsep
8628 \@openbib@code
8629 \usecounter{enumiv}%
8630 \let\p@enumiv\@empty
8631 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8632 \sloppy
8633 \clubpenalty4000
8634 \@clubpenalty \clubpenalty
8635 \widowpenalty4000%
8636 \sfcode`\.\@m}
8637 {\def\@noitemerr
8638 {\@latex@warning{Empty `thebibliography' environment}}%
8639 \endlist}

```

53 File extletter-xetex-bidi.def

```

8640 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8641 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8642 \thispagestyle{firstpage}%
8643 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8644 \else % home address

```



```

8645 \thispagestyle{empty}%
8646 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8647 \fromaddress \*[2\parskip]%
8648 \@date \end{tabular}\par}%
8649 \fi
8650 \vspace{2\parskip}%
8651 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
8652 \vspace{2\parskip}%
8653 #1\par\nobreak}
8654 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8655 \stopbreaks
8656 \noindent
8657 \ifx\@empty\fromaddress\else
8658 \hspace*{\longindentation}\fi
8659 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8660 \ignorespaces #1\*[6\medskipamount]%
8661 \ifx\@empty\fromsig
8662 \fromname
8663 \else \fromsig \fi\strut}%
8664 \par}
8665 \renewcommand\left@footnoterule{%
8666 \kern-\p@
8667 \hrule \@width .4\columnwidth
8668 \kern .6\p@}
8669 \renewcommand\right@footnoterule{%
8670 \kern-\p@
8671 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8672 \kern .6\p@}

```

54 File extrafootnotefeatures-xetex-bidi.def

```

8673 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2017/05/19 v1.1 bidi extra footnote features]
8674 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
8675 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8676 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8677 \ifHy@hyperfootnotes
8678 \let\@H@footnotetext\@footnotetext
8679 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
8680 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8681 \let\@H@mpfootnotetext\@mpfootnotetext
8682 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8683 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8684 \fi
8685 }%
8686 }%
8687 }
8688 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8689 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8690 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8691 \ifHy@hyperfootnotes

```



```

8692 \let\H@@footnotetext\@footnotetext
8693 \let\@footnotetext\@H@@footnotetext
8694 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
8695 \let\@LTRfootnotetext\@@HLTR@@LTRfootnotetext
8696 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
8697 \let\@RTLfootnotetext\@@HRTL@@RTLfootnotetext
8698 \let\H@@mpfootnotetext\@mpfootnotetext
8699 \let\@mpfootnotetext\@@H@@mpfootnotetext
8700 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
8701 \let\@mpLTRfootnotetext\@@HLTR@@mpLTRfootnotetext
8702 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
8703 \let\@mpRTLfootnotetext\@@HRTL@@mpRTLfootnotetext
8704 \fi
8705 }%
8706 }%
8707 }
8708 \let\autofooterule\relax
8709 \let\rightfootnoterule\relax
8710 \let\leftfootnoterule\relax
8711 \let\textwidthfootnoterule\relax
8712 \let\LRfootnoterule\relax
8713 \def\footnoterule{\kern-3\p@
8714 \hrule \@width \columnwidth \kern 2.6\p@}
8715 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8716 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8717 \renewcommand{\@footnotetext}[1]{%
8718 \insert\footins{%
8719 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8720 \def\baselinestretch{\m@m@footnote@spacing}%
8721 \reset@font
8722 \foottextfont
8723 \@preamfntext
8724 \hsize\columnwidth
8725 \protected@edef\@currentlabel{%
8726 \csname p@footnote@endcsname\@thefnmark}%
8727 \color@begingroup
8728 \@makefntext{%
8729 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8730 \@finalstrut\strutbox}%
8731 \color@endgroup}%
8732 \m@mmf@prepare}
8733 \renewcommand{\@RTLfootnotetext}[1]{%
8734 \insert\footins{%
8735 \@RTLtrue%
8736 \def\baselinestretch{\m@m@footnote@spacing}%
8737 \reset@font
8738 \RTLfoottextfont
8739 \@preamfntext
8740 \hsize\columnwidth
8741 \protected@edef\@currentlabel{%

```



```

8742     \csname p@footnote\endcsname\@thefnmark}%
8743     \color@begingroup
8744     \@makefnintext{%
8745         \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8746         \@finalstrut\strutbox}%
8747     \color@endgroup}%
8748     \m@mmf@prepare}
8749 \renewcommand{\@LTRfootnotetext}[1]{%
8750     \insert\footins{%
8751         \RTLfalse%
8752         \def\baselinestretch{\m@m@footnote@spacing}%
8753         \reset@font
8754         \LTRfoottextfont
8755         \@preamfnintext
8756         \hsize\columnwidth
8757         \protected@edef\@currentlabel{%
8758             \csname p@footnote\endcsname\@thefnmark}%
8759         \color@begingroup
8760         \@makefnintext{%
8761             \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8762             \@finalstrut\strutbox}%
8763         \color@endgroup}%
8764         \m@mmf@prepare}
8765 \renewcommand{\@mpfootnotetext}[1]{%
8766     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8767         \unvbox\@mpfootins
8768         \def\baselinestretch{\m@m@footnote@spacing}%
8769         \foottextfont \hsize\columnwidth \@parboxrestore
8770         \protected@edef\@currentlabel{%
8771             \csname p@mpfootnote\endcsname\@thefnmark}%
8772         \color@begingroup
8773         \reset@font%
8774         \@makefnintext{%
8775             \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8776             \@finalstrut\strutbox}%
8777         \color@endgroup}}
8778 \renewcommand{\@mpLTRfootnotetext}[1]{%
8779     \global\setbox\@mpfootins\vbox{\@RTLfalse%
8780         \unvbox\@mpfootins
8781         \def\baselinestretch{\m@m@footnote@spacing}%
8782         \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8783         \protected@edef\@currentlabel{%
8784             \csname p@mpfootnote\endcsname\@thefnmark}%
8785         \color@begingroup
8786         \reset@font%
8787         \@makefnintext{%
8788             \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8789             \@finalstrut\strutbox}%
8790         \color@endgroup}}
8791 \renewcommand{\@mpRTLfootnotetext}[1]{%

```



```

8792 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8793   \unvbox\@mpfootins
8794   \def\baselinestretch{\m@m@footnote@spacing}%
8795   \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8796   \protected@edef\@currentlabel{%
8797     \csname p@mpfootnote\endcsname\@thefnmark}%
8798   \color@begingroup
8799   \reset@font%
8800   \@makefntext{%
8801     \rule{\z@\footnotesep}\ignorespaces{\RTLfoottextfont #1}%
8802     \@finalstrut\strutbox}%
8803   \color@endgroup}}
8804 \let\m@mold@footnotetext\@footnotetext
8805 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8806 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8807 \let\m@mold@mpfootnotetext\@mpfootnotetext
8808 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8809 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8810 \bidi@ensure@newcommand{\normalfootnotes}{%
8811   \@bidi@before@Hy@hyperfootnotes
8812   \let\@footnotetext\m@mold@footnotetext
8813   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8814   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8815   \let\@mpfootnotetext\m@mold@mpfootnotetext
8816   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8817   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8818   \@bidi@after@Hy@hyperfootnotes}
8819 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8820 \bidi@ensure@newcommand*\{\RTLcolumnfootnotes}\{\@RTLcolumnfootnotestrue}
8821 \bidi@ensure@newcommand*\{\LTRcolumnfootnotes}\{\@RTLcolumnfootnotestrue}
8822 \bidi@ensure@newcommand*\{\setSingleSpace}[1]{%
8823   \def\m@m@singlespace{#1}%
8824   \def\m@m@footnote@spacing{#1}%
8825   \def\m@m@float@spacing{#1} %
8826 }
8827 \setSingleSpace{1}
8828 \bidi@ensure@newcommand*\{\multiplefootnotemarker}{3sp}
8829 \bidi@ensure@newcommand*\{\m@m@mmf@prepare}{%
8830   \kern-\multiplefootnotemarker
8831   \kern\multiplefootnotemarker\relax}
8832 \bidi@ensure@newlength{\footmarkwidth}
8833 \bidi@ensure@newlength{\footmarksep}
8834 \bidi@ensure@newlength{\footparindent}
8835 \bidi@ensure@newcommand*\{\footmarkstyle}[1]{\def\footscript##1{#1}}
8836 \bidi@ensure@newcommand*\{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8837 \bidi@ensure@newcommand*\{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8838 \bidi@ensure@newcommand{\footfootmark}{%
8839   \ifdim\footmarkwidth < \z@
8840     \llap{\hb@xt@ -\footmarkwidth{%
8841       \hss\normalfont\footscript{\@thefnmark}}}%

```




```

8842         \hspace*{-\footmarkwidth}}}%
8843     \else
8844         \ifdim\footmarkwidth = \z@
8845             {\normalfont\footscript{\@thefnmark}}}%
8846         \else
8847             \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}}%
8848         \fi
8849     \fi}
8850 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8851     \ifdim\footmarkwidth < \z@
8852         \llap{\hb@xt@ -\footmarkwidth{%
8853             \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8854             \hspace*{-\footmarkwidth}}}%
8855     \else
8856         \ifdim\footmarkwidth = \z@
8857             {\normalfont\LTRfootscript{\@thefnmark}}}%
8858         \else
8859             \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}}%
8860         \fi
8861     \fi}
8862 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8863     \ifdim\footmarkwidth < \z@
8864         \llap{\hb@xt@ -\footmarkwidth{%
8865             \hss\normalfont\RTLfootscript{\@thefnmark}}}%
8866             \hspace*{-\footmarkwidth}}}%
8867     \else
8868         \ifdim\footmarkwidth = \z@
8869             {\normalfont\RTLfootscript{\@thefnmark}}}%
8870         \else
8871             \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}}%
8872         \fi
8873     \fi}
8874 \footmarkstyle{\textsuperscript{#1}}
8875 \LTRfootmarkstyle{\textsuperscript{#1}}
8876 \RTLfootmarkstyle{\textsuperscript{#1}}
8877 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8878 \setlength{\footparindent}{1em}
8879 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8880 \bidi@ensure@newcommand*{\extrafeetins}{%
8881     \setbox\@outputbox \vbox{%
8882         \boxmaxdepth \@maxdepth
8883         \unvbox\@outputbox
8884         \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8885         \extrafeetinshook}}
8886 \bidi@ensure@newcommand{\extrafeetinshook}{%
8887     \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8888     \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8889     \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8890     \bidi@ensure@newlength{\footinsdim}
8891     \setlength{\footinsdim}{8in} % standard for \dimen\footins

```



```

8892 \bidi@ensure@newcommand{\@preamfntext}{%
8893   \interlinepenalty\interfootnotelinepenalty
8894   \floatingpenalty \@MM
8895   \splittopskip=\footnotesep
8896   \splitmaxdepth=\dp\strutbox
8897   \@parboxrestore}
8898 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8899   \extrafeetminihook}
8900 \bidi@ensure@newcommand{\extrafeetendmini}{%
8901   \ifvoid\@mpfootinsv\else
8902     \vskip\skip\@mpfootins
8903     \normalcolor\footnoterule\mp@footgroupv@r
8904   \fi
8905   \extrafeetendminihook}
8906 \bidi@ensure@newcommand{\extrafeetendminihook}{%
8907 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8908 \def\endminipage{%
8909   \par
8910   \unskip
8911   \ifvoid\@mpfootins\else
8912     \vskip\skip\@mpfootins
8913     \normalcolor
8914     \footnoterule
8915     \unvbox\@mpfootins
8916   \fi
8917   \m@mdoextrafeetendmini
8918   \@minipagefalse
8919   \color@endgroup
8920   \egroup
8921   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
8922 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8923   \@namedef{\@footstart#1}{%
8924     \bidi@mopfn@bottom
8925     \vskip\bigskipamount
8926     \leftskip=\z@
8927     \rightskip=\z@
8928     \footnoterule}}
8929 \newinsert\footinsv@r
8930   \skip\footinsv@r\bigskipamount
8931   \count\footinsv@r=1000 % no magnification
8932   \dimen\footinsv@r=\footinsdim
8933 \m@make@footstart{v@r}
8934 \bidi@ensure@newcommand{\@footgroupv@r}{%
8935 \newinsert\@mpfootinsv@r
8936 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
8937 \newcount\m@m@k \newdimen\m@m@h
8938 \@ifpackageloaded{multicol}{%
8939 \bidi@ensure@newcommand*\{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8940   \hsize\textwidth
8941   \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg

```



```

8942 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8943 }{%
8944 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8945 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8946 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8947 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8948 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8949 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8950 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8951 \setbox2 \vsplit0 to \dimen0
8952 \unvbox2 }
8953 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8954 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8955 \@bidi@before@Hy@hyperfootnotes
8956 \let\@footnotetext\@twocolfootnotetext
8957 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8958 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8959 \dimen\footinsv@r=2\footinsdim
8960 \count\footinsv@r=500\relax
8961 \m@make@twocol@footgroup{v@r}%
8962 \let\@footgroupv@r\@twocol@footgroupv@r
8963 \let\@mpfootnotetext\@mptwocolfootnotetext
8964 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8965 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8966 \@bidi@after@Hy@hyperfootnotes
8967 \m@make@mptwocol@footgroup{v@r}%
8968 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
8969 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8970 \def\baselinestretch{\m@m@footnote@spacing}%
8971 \reset@font\foottextfont
8972 \@preamfntext
8973 \protected@edef\@currentlabel{%
8974 \csname p@footnote\endcsname\@thefnmark}%
8975 \color@begingroup
8976 \@twocolfootfmt{#1}%
8977 \color@endgroup}%
8978 \m@mmf@prepare}
8979 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8980 \def\baselinestretch{\m@m@footnote@spacing}%
8981 \reset@font\LTRfoottextfont
8982 \@preamfntext
8983 \protected@edef\@currentlabel{%
8984 \csname p@footnote\endcsname\@thefnmark}%
8985 \color@begingroup
8986 \@twocolLTRfootfmt{#1}%
8987 \color@endgroup}%
8988 \m@mmf@prepare}
8989 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8990 \def\baselinestretch{\m@m@footnote@spacing}%
8991 \reset@font\RTLfoottextfont

```



```

8992 \@preamfntext
8993 \protected@edef\@currentlabel{%
8994   \csname p@footnote\endcsname\@thefnmark}%
8995 \color@begingroup
8996   \@twocolRTLfootfmt{#1}%
8997 \color@endgroup}%
8998 \m@mmf@prepare}
8999 \bidi@ensure@newcommand{\@preamtwofmt}{%
9000   \hspace{.45\hspace}
9001   \parindent=\z@
9002   \tolerance=5000\relax
9003   \leavevmode}
9004 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
9005   \@preamtwofmt
9006   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9007 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
9008   \@preamtwofmt
9009   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9010 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
9011   \@preamtwofmt
9012   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9013 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
9014   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9015     \unvbox\@mpfootinsv@r
9016     \def\baselinestretch{\m@m@footnote@spacing}%
9017     \reset@font\foottextfont
9018     \hspace\columnwidth \@parboxrestore
9019     \protected@edef\@currentlabel{%
9020       \csname p@mpfootnote\endcsname\@thefnmark}%
9021     \color@begingroup
9022       \@twocolfootfmt{#1}%
9023     \color@endgroup}%
9024     \m@mmf@prepare}
9025 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
9026   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9027     \unvbox\@mpfootinsv@r
9028     \def\baselinestretch{\m@m@footnote@spacing}%
9029     \reset@font\LTRfoottextfont
9030     \hspace\columnwidth \@parboxrestore
9031     \if@RTLcolumnfootnotes\beginL\fi
9032     \protected@edef\@currentlabel{%
9033       \csname p@mpfootnote\endcsname\@thefnmark}%
9034     \color@begingroup
9035       \@twocolLTRfootfmt{#1}%
9036     \color@endgroup}%
9037     \m@mmf@prepare}
9038 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
9039   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9040     \unvbox\@mpfootinsv@r
9041     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9042 \reset@font\RTLfoottextfont
9043 \hsize\columnwidth \@parboxrestore
9044 \protected@edef\@currentlabel{%
9045 \csname p@mpfootnote\endcsname\@thefnmark}%
9046 \color@begingroup
9047 \@twocolRTLfootfmt{#1}%
9048 \color@endgroup}%
9049 \m@mmf@prepare}
9050 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
9051 \m@make@twocolfootnotetext{#1}%
9052 \m@make@mptwocolfootnotetext{#1}%
9053 \m@make@twocolfootfmt{#1}%
9054 \m@make@twocol@footgroup{#1}%
9055 \m@make@mptwocol@footgroup{#1}%
9056 \m@make@footstart{#1}%
9057 \bidi@namelongdef{\footnotetext#1}##1{%
9058 \nameuse{\twocolfootnotetext#1}{##1}}%
9059 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9060 \nameuse{\mptwocolfootnotetext#1}{##1}}%
9061 \namedef{\footgroup#1}{\nameuse{\twocol@footgroup#1}}%
9062 \namedef{\mpfootgroup#1}{\nameuse{\mptwocol@footgroup#1}}%
9063 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9064 \expandafter\count\csname footins#1\endcsname=500\relax}
9065 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
9066 \bidi@namelongdef{\twocolfootnotetext#1}##1{%
9067 \insert\@nameuse{footins#1}{%
9068 \def\baselinestretch{\m@m@footnote@spacing}%
9069 \reset@font\@nameuse{foottextfont#1}%
9070 \preamfntext
9071 \protected@edef\@currentlabel{%
9072 \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
9073 \color@begingroup
9074 \@nameuse{\twocolfootfmt#1}{##1}%
9075 \color@endgroup}%
9076 \m@mmf@prepare}}
9077 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
9078 \bidi@namelongdef{\mptwocolfootnotetext#1}##1{%
9079 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9080 \unvbox\@nameuse{\mpfootins#1}
9081 \def\baselinestretch{\m@m@footnote@spacing}%
9082 \reset@font\@nameuse{foottextfont#1}%
9083 \hsize\columnwidth \@parboxrestore
9084 \protected@edef\@currentlabel{%
9085 \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
9086 \color@begingroup
9087 \@nameuse{\twocolfootfmt#1}{##1}%
9088 \color@endgroup}\m@mmf@prepare}}
9089 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
9090 \namedef{\twocolfootfmt#1}##1{%
9091 \@preamtwofmt

```



```

9092 {\@nameuse{footfootmark#1}\strut
9093 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9094 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
9095 \@namedef{@twocol@footgroup#1}{%
9096 \def\baselinestretch{\m@m@footnote@spacing}%
9097 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9098 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
9099 \bidi@ensure@newcommand{\m@make@mp@twocol@footgroup}[1]{%
9100 \@namedef{@mp@twocol@footgroup#1}{%
9101 \def\baselinestretch{\m@m@footnote@spacing}%
9102 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9103 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
9104 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
9105 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9106 \@bidi@before@Hy@hyperfootnotes
9107 \let\@footnotetext\@threecolfootnotetext
9108 \let\@LTRfootnotetext\@threecolLTRfootnotetext
9109 \let\@RTLfootnotetext\@threecolRTLfootnotetext
9110 \dimen\footinsv@r=3\footinsdim
9111 \count\footinsv@r=333\relax
9112 \m@make@threecol@footgroup{v@r}%
9113 \let\@footgroupv@r\@threecol@footgroupv@r
9114 \let\@mpfootnotetext\@mpthreecolfootnotetext
9115 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
9116 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
9117 \@bidi@after@Hy@hyperfootnotes
9118 \m@make@mpthreecol@footgroup{v@r}%
9119 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
9120 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9121 \def\baselinestretch{\m@m@footnote@spacing}%
9122 \reset@font\foottextfont
9123 \@preamfntext
9124 \protected@edef\@currentlabel{%
9125 \csname p@footnote\endcsname\@thefnmark}%
9126 \color@begingroup
9127 \@threecolfootfmt{#1}%
9128 \color@endgroup}\m@mmf@prepare}
9129 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
9130 \def\baselinestretch{\m@m@footnote@spacing}%
9131 \reset@font\LTRfoottextfont
9132 \@preamfntext
9133 \protected@edef\@currentlabel{%
9134 \csname p@footnote\endcsname\@thefnmark}%
9135 \color@begingroup
9136 \@threecolLTRfootfmt{#1}%
9137 \color@endgroup}\m@mmf@prepare}
9138 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9139 \def\baselinestretch{\m@m@footnote@spacing}%
9140 \reset@font\RTLfoottextfont
9141 \@preamfntext

```



```

9142 \protected@edef\@currentlabel{%
9143   \csname p@footnote\endcsname\@thefnmark}%
9144   \color@begingroup
9145   \@threecolRTLfootfmt{#1}%
9146   \color@endgroup}\m@mmf@prepare}
9147 \bidi@ensure@newcommand{\@preamthreefmt}{%
9148   \hspace{.3\hspace}
9149   \parindent=\z@
9150   \tolerance=5000\relax
9151   \leavevmode}
9152 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9153   \@preamthreefmt
9154   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9155 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9156   \@preamthreefmt
9157   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9158 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9159   \@preamthreefmt
9160   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9161 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
9162   \global\setbox\@mpfootins\@r\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9163     \unvbox\@mpfootins\@r
9164     \def\baselinestretch{\m@mm@footnote@spacing}%
9165     \reset@font\foottextfont
9166     \hspace\columnwidth \@parboxrestore
9167     \protected@edef\@currentlabel{%
9168       \csname p@mpfootnote\endcsname\@thefnmark}%
9169     \color@begingroup
9170     \@threecolfootfmt{#1}%
9171     \color@endgroup}\m@mmf@prepare}
9172 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9173   \global\setbox\@mpfootins\@r\@vbox{\@RTLfalse%
9174     \unvbox\@mpfootins\@r
9175     \def\baselinestretch{\m@mm@footnote@spacing}%
9176     \reset@font\LTRfoottextfont
9177     \hspace\columnwidth \@parboxrestore
9178     \if@RTLcolumnfootnotes\beginL\fi
9179     \protected@edef\@currentlabel{%
9180       \csname p@mpfootnote\endcsname\@thefnmark}%
9181     \color@begingroup
9182     \@threecolLTRfootfmt{#1}%
9183     \color@endgroup}\m@mmf@prepare}
9184 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
9185   \global\setbox\@mpfootins\@r\@vbox{\@RTLtrue%
9186     \unvbox\@mpfootins\@r
9187     \def\baselinestretch{\m@mm@footnote@spacing}%
9188     \reset@font\RTLfoottextfont
9189     \hspace\columnwidth \@parboxrestore
9190     \protected@edef\@currentlabel{%
9191       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9192 \color@begingroup
9193   \@threecolRTLfootfmt{#1}%
9194 \color@endgroup}\m@mmf@prepare}
9195 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
9196   \m@make@threecolfootnotetext{#1}%
9197   \m@make@mpthreecolfootnotetext{#1}%
9198   \m@make@threecolfootfmt{#1}%
9199   \m@make@threecol@footgroup{#1}%
9200   \m@make@mpthreecol@footgroup{#1}%
9201   \m@make@footstart{#1}%
9202   \bidi@namelongdef{@footnotetext#1}##1{%
9203     \@nameuse{@threecolfootnotetext#1}{##1}}%
9204   \bidi@namelongdef{@mpfootnotetext#1}##1{%
9205     \@nameuse{@mpthreecolfootnotetext#1}{##1}}%
9206   \@namedef{@footgroup#1}{\@nameuse{@threecol@footgroup#1}}%
9207   \@namedef{@mpfootgroup#1}{\@nameuse{@mpthreecol@footgroup#1}}%
9208   \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
9209   \expandafter\count\csname footins#1\endcsname=333\relax
9210 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
9211 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
9212   \insert\@nameuse{footins#1}{%
9213     \def\baselinestretch{\m@m@footnote@spacing}%
9214     \reset@font\@nameuse{foottextfont#1}%
9215     \@preamfntext
9216     \protected@edef\@currentlabel{%
9217       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9218     \color@begingroup
9219       \@nameuse{@threecolfootfmt#1}{##1}%
9220     \color@endgroup}\m@mmf@prepare}}
9221 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
9222 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
9223   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9224     \unvbox\@nameuse{@mpfootins#1}
9225     \def\baselinestretch{\m@m@footnote@spacing}%
9226     \reset@font\@nameuse{foottextfont#1}%
9227     \hsize\columnwidth \@parboxrestore
9228     \protected@edef\@currentlabel{%
9229       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9230   \color@begingroup
9231     \@nameuse{@threecolfootfmt#1}{##1}%
9232   \color@endgroup}\m@mmf@prepare}}
9233 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
9234 \bidi@namelongdef{@threecolfootfmt#1}##1{%
9235   \@preamthreefmt
9236   {\@nameuse{footfootmark#1}}\strut
9237   {\@nameuse{foottextfont#1}}##1}\strut\par}\allowbreak}}
9238 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9239 \@namedef{@threecol@footgroup#1}{%
9240   \def\baselinestretch{\m@m@footnote@spacing}%
9241   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```




```

9242 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
9243 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9244 \@namedef{\m@mpthreecol@footgroup#1}{%
9245 \def\baselinestretch{\m@footnote@spacing}%
9246 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9247 \m@mrigidbalance{\@nameuse{\m@mpfootins#1}}{\thr@@}{\splittopskip}}}}
9248 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9249 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
9250 \@bidi@before@Hy@hyperfootnotes
9251 \let\@footnotetext\@fourcolfootnotetext
9252 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9253 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9254 \dimen\footinsv@r=4\footinsdim
9255 \count\footinsv@r=250\relax
9256 \m@make@fourcol@footgroup{v@r}%
9257 \let\@footgroupv@r\@fourcol@footgroupv@r
9258 \let\@mpfootnotetext\@mpfourcolfootnotetext
9259 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9260 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9261 \@bidi@after@Hy@hyperfootnotes
9262 \m@make@mpfourcol@footgroup{v@r}%
9263 \let\@mp@footgroupv@r\@mpfourcol@footgroupv@r}
9264 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9265 \def\baselinestretch{\m@footnote@spacing}%
9266 \reset@font\foottextfont
9267 \@preamfntext
9268 \protected@edef\@currentlabel{%
9269 \csname p@footnote\endcsname\@thefnmark}%
9270 \color@begingroup
9271 \@fourcolfootfmt{#1}%
9272 \color@endgroup}%
9273 \m@mmf@prepare}
9274 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9275 \def\baselinestretch{\m@footnote@spacing}%
9276 \reset@font\LTRfoottextfont
9277 \@preamfntext
9278 \protected@edef\@currentlabel{%
9279 \csname p@footnote\endcsname\@thefnmark}%
9280 \color@begingroup
9281 \@fourcolLTRfootfmt{#1}%
9282 \color@endgroup}%
9283 \m@mmf@prepare}
9284 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9285 \def\baselinestretch{\m@footnote@spacing}%
9286 \reset@font\RTLfoottextfont
9287 \@preamfntext
9288 \protected@edef\@currentlabel{%
9289 \csname p@footnote\endcsname\@thefnmark}%
9290 \color@begingroup
9291 \@fourcolRTLfootfmt{#1}%

```



```

9292 \color@endgroup}%
9293 \m@mmf@prepare}
9294 \bidi@ensure@newcommand{\@preamfourfmt}{%
9295 \hspace .25\hspace
9296 \parindent=\z@
9297 \tolerance=5000\relax
9298 \leavevmode}
9299 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9300 \@preamfourfmt
9301 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9302 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9303 \@preamfourfmt
9304 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9305 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9306 \@preamfourfmt
9307 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9308 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9309 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9310 \unvbox\@mpfootinsv@r
9311 \def\baselinestretch{\m@m@footnote@spacing}%
9312 \reset@font\foottextfont
9313 \hspace\columnwidth \@parboxrestore
9314 \protected@edef\@currentlabel{%
9315 \csname p@mpfootnote\endcsname\@thefnmark}%
9316 \color@begingroup
9317 \@fourcolfootfmt{#1}%
9318 \color@endgroup}%
9319 \m@mmf@prepare}
9320 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9321 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9322 \unvbox\@mpfootinsv@r
9323 \def\baselinestretch{\m@m@footnote@spacing}%
9324 \reset@font\LTRfoottextfont
9325 \hspace\columnwidth \@parboxrestore
9326 \if@RTLcolumnfootnotes\beginL\fi
9327 \protected@edef\@currentlabel{%
9328 \csname p@mpfootnote\endcsname\@thefnmark}%
9329 \color@begingroup
9330 \@fourcolLTRfootfmt{#1}%
9331 \color@endgroup}%
9332 \m@mmf@prepare}
9333 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9334 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9335 \unvbox\@mpfootinsv@r
9336 \def\baselinestretch{\m@m@footnote@spacing}%
9337 \reset@font\RTLfoottextfont
9338 \hspace\columnwidth \@parboxrestore
9339 \protected@edef\@currentlabel{%
9340 \csname p@mpfootnote\endcsname\@thefnmark}%
9341 \color@begingroup

```



```

9342 \@fourcolRTLfootfmt{#1}%
9343 \color@endgroup}%
9344 \m@mmf@prepare}
9345 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
9346 \m@make@fourcolfootnotetext{#1}%
9347 \m@make@mpfourcolfootnotetext{#1}%
9348 \m@make@fourcolfootfmt{#1}%
9349 \m@make@fourcol@footgroup{#1}%
9350 \m@make@mpfourcol@footgroup{#1}%
9351 \m@make@footstart{#1}%
9352 \bidi@namelongdef{@footnotetext#1}##1{%
9353 \nameuse{@fourcolfootnotetext#1}{##1}}%
9354 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9355 \nameuse{@mpfourcolfootnotetext#1}{##1}}%
9356 \namedef{@footgroup#1}{\nameuse{@fourcol@footgroup#1}}%
9357 \namedef{@mpfootgroup#1}{\nameuse{@mpfourcol@footgroup#1}}%
9358 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9359 \expandafter\count\csname footins#1\endcsname=500\relax}
9360 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
9361 \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
9362 \insert\@nameuse{footins#1}{%
9363 \def\baselinestretch{\m@m@footnote@spacing}%
9364 \reset@font\@nameuse{foottextfont#1}%
9365 \preamfntext
9366 \protected@edef\@currentlabel{%
9367 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9368 \color@begingroup
9369 \@nameuse{@fourcolfootfmt#1}{##1}%
9370 \color@endgroup}%
9371 \m@mmf@prepare}}
9372 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
9373 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
9374 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9375 \unvbox\@nameuse{@mpfootins#1}
9376 \def\baselinestretch{\m@m@footnote@spacing}%
9377 \reset@font\@nameuse{foottextfont#1}%
9378 \hsize\columnwidth \@parboxrestore
9379 \protected@edef\@currentlabel{%
9380 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9381 \color@begingroup
9382 \@nameuse{@fourcolfootfmt#1}{##1}%
9383 \color@endgroup}\m@mmf@prepare}}
9384 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
9385 \namedef{@fourcolfootfmt#1}##1{%
9386 \preamfourfmt
9387 {\@nameuse{footfootmark#1}\strut
9388 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9389 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9390 \namedef{@fourcol@footgroup#1}{%
9391 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9392 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9393 \m@rigrigidbodybalance{\nameuse{footins#1}}{4}{\splittopskip}}}}
9394 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9395 \namedef{mpfourcol@footgroup#1}{%
9396 \def\baselinestretch{\m@footnote@spacing}%
9397 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9398 \m@rigrigidbodybalance{\nameuse{mpfootins#1}}{4}{\splittopskip}}}}
9399 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9400 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9401 \@bidi@before@Hy@hyperfootnotes
9402 \let\@footnotetext\@fivecolfootnotetext
9403 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9404 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9405 \dimen\footinsv@r=5\footinsdim
9406 \count\footinsv@r=200\relax
9407 \m@make@fivecol@footgroup{v@r}%
9408 \let\@footgroupv@r\@fivecol@footgroupv@r
9409 \let\@mpfootnotetext\@mpfivecolfootnotetext
9410 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9411 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9412 \@bidi@after@Hy@hyperfootnotes
9413 \m@make@mpfivecol@footgroup{v@r}%
9414 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
9415 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9416 \def\baselinestretch{\m@footnote@spacing}%
9417 \reset@font\foottextfont
9418 \@preamfntext
9419 \protected@edef\@currentlabel{%
9420 \csname p@footnote\endcsname\@thefnmark}%
9421 \color@begingroup
9422 \@fivecolfootfmt{#1}%
9423 \color@endgroup}%
9424 \m@mmf@prepare}
9425 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9426 \def\baselinestretch{\m@footnote@spacing}%
9427 \reset@font\LTRfoottextfont
9428 \@preamfntext
9429 \protected@edef\@currentlabel{%
9430 \csname p@footnote\endcsname\@thefnmark}%
9431 \color@begingroup
9432 \@fivecolLTRfootfmt{#1}%
9433 \color@endgroup}%
9434 \m@mmf@prepare}
9435 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9436 \def\baselinestretch{\m@footnote@spacing}%
9437 \reset@font\RTLfoottextfont
9438 \@preamfntext
9439 \protected@edef\@currentlabel{%
9440 \csname p@footnote\endcsname\@thefnmark}%
9441 \color@begingroup

```



```

9442 \@fivecolRTLfootfmt{#1}%
9443 \color@endgroup}%
9444 \m@mmf@prepare}
9445 \bidi@ensure@newcommand{\@preamfivefmt}{%
9446 \hspace .2\hspace
9447 \parindent=\z@
9448 \tolerance=5000\relax
9449 \leavevmode}
9450 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9451 \@preamfivefmt
9452 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9453 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9454 \@preamfivefmt
9455 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9456 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9457 \@preamfivefmt
9458 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9459 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9460 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9461 \unvbox\@mpfootinsv@r
9462 \def\baselinestretch{\m@m@footnote@spacing}%
9463 \reset@font\foottextfont
9464 \hspace\columnwidth \@parboxrestore
9465 \protected@edef\@currentlabel{%
9466 \csname p@mpfootnote\endcsname\@thefnmark}%
9467 \color@begingroup
9468 \@fivecolfootfmt{#1}%
9469 \color@endgroup}%
9470 \m@mmf@prepare}
9471 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9472 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9473 \unvbox\@mpfootinsv@r
9474 \def\baselinestretch{\m@m@footnote@spacing}%
9475 \reset@font\LTRfoottextfont
9476 \hspace\columnwidth \@parboxrestore
9477 \if@RTLcolumnfootnotes\beginL\fi
9478 \protected@edef\@currentlabel{%
9479 \csname p@mpfootnote\endcsname\@thefnmark}%
9480 \color@begingroup
9481 \@fivecolLTRfootfmt{#1}%
9482 \color@endgroup}%
9483 \m@mmf@prepare}
9484 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9485 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9486 \unvbox\@mpfootinsv@r
9487 \def\baselinestretch{\m@m@footnote@spacing}%
9488 \reset@font\RTLfoottextfont
9489 \hspace\columnwidth \@parboxrestore
9490 \protected@edef\@currentlabel{%
9491 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9492 \color@begingroup
9493   \@fivecolRTLfootfmt{#1}%
9494 \color@endgroup}%
9495 \m@mmf@prepare}
9496 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
9497   \m@make@fivecolfootnotetext{#1}%
9498   \m@make@mpfivecolfootnotetext{#1}%
9499   \m@make@fivecolfootfmt{#1}%
9500   \m@make@fivecol@footgroup{#1}%
9501   \m@make@mpfivecol@footgroup{#1}%
9502   \m@make@footstart{#1}%
9503   \bidi@namelongdef{\footnotetext#1}##1{%
9504     \@nameuse{@fivecolfootnotetext#1}{##1}}%
9505   \bidi@namelongdef{\mpfootnotetext#1}##1{%
9506     \@nameuse{@mpfivecolfootnotetext#1}{##1}}%
9507   \@namedef{\footgroup#1}{\@nameuse{@fivecol@footgroup#1}}%
9508   \@namedef{\mpfootgroup#1}{\@nameuse{@mpfivecol@footgroup#1}}%
9509   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9510   \expandafter\count\csname footins#1\endcsname=500\relax}
9511 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
9512   \bidi@namelongdef{\fivecolfootnotetext#1}##1{%
9513     \insert\@nameuse{footins#1}{%
9514       \def\baselinestretch{\m@m@footnote@spacing}%
9515       \reset@font\@nameuse{foottextfont#1}%
9516       \preamfntext
9517       \protected@edef\@currentlabel{%
9518         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9519       \color@begingroup
9520         \@nameuse{@fivecolfootfmt#1}{##1}%
9521       \color@endgroup}%
9522     \m@mmf@prepare}}
9523 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
9524   \bidi@namelongdef{\mpfivecolfootnotetext#1}##1{%
9525     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9526       \unvbox\@nameuse{@mpfootins#1}
9527       \def\baselinestretch{\m@m@footnote@spacing}%
9528       \reset@font\@nameuse{foottextfont#1}%
9529       \hsize\columnwidth \@parboxrestore
9530       \protected@edef\@currentlabel{%
9531         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9532       \color@begingroup
9533         \@nameuse{@fivecolfootfmt#1}{##1}%
9534       \color@endgroup}\m@mmf@prepare}}
9535 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
9536   \@namedef{\fivecolfootfmt#1}##1{%
9537     \preamfivefmt
9538     {\@nameuse{footfootmark#1}\strut
9539      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9540 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9541   \@namedef{\fivecol@footgroup#1}{%

```



```

9542 \def\baselinestretch{\m@m@footnote@spacing}%
9543 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9544 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
9545 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9546 \@namedef{mpfivecol@footgroup#1}{%
9547 \def\baselinestretch{\m@m@footnote@spacing}%
9548 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9549 \m@mrigidbalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
9550 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9551 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9552 \@bidi@before@Hy@hyperfootnotes
9553 \let\@footnotetext\@sixcolfootnotetext
9554 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9555 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9556 \dimen\footinsv@r=6\footinsdim
9557 \count\footinsv@r=166\relax
9558 \m@make@sixcol@footgroup{v@r}%
9559 \let\@footgroupv@r\@sixcol@footgroupv@r
9560 \let\@mpfootnotetext\@mpsixcolfootnotetext
9561 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9562 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9563 \@bidi@after@Hy@hyperfootnotes
9564 \m@make@mpsixcol@footgroup{v@r}%
9565 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
9566 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9567 \def\baselinestretch{\m@m@footnote@spacing}%
9568 \reset@font\foottextfont
9569 \@preamfntext
9570 \protected@edef\@currentlabel{%
9571 \csname p@footnote\endcsname\@thefnmark}%
9572 \color@begingroup
9573 \@sixcolfootfmt{#1}%
9574 \color@endgroup}%
9575 \m@mmf@prepare}
9576 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9577 \def\baselinestretch{\m@m@footnote@spacing}%
9578 \reset@font\LTRfoottextfont
9579 \@preamfntext
9580 \protected@edef\@currentlabel{%
9581 \csname p@footnote\endcsname\@thefnmark}%
9582 \color@begingroup
9583 \@sixcolLTRfootfmt{#1}%
9584 \color@endgroup}%
9585 \m@mmf@prepare}
9586 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9587 \def\baselinestretch{\m@m@footnote@spacing}%
9588 \reset@font\RTLfoottextfont
9589 \@preamfntext
9590 \protected@edef\@currentlabel{%
9591 \csname p@footnote\endcsname\@thefnmark}%

```



```

9592 \color@begingroup
9593 \@sixcolRTLfootfmt{#1}%
9594 \color@endgroup}%
9595 \m@mmf@prepare}
9596 \bidi@ensure@newcommand{\@preamsixfmt}{%
9597 \hsize .16\hsize
9598 \parindent=\z@
9599 \tolerance=5000\relax
9600 \leavevmode}
9601 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9602 \@preamsixfmt
9603 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9604 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9605 \@preamsixfmt
9606 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9607 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9608 \@preamsixfmt
9609 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9610 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
9611 \global\setbox\@mpfootinsv@r\vbox{%
9612 \unvbox\@mpfootinsv@r
9613 \def\baselinestretch{\m@m@footnote@spacing}%
9614 \reset@font\foottextfont
9615 \hsize\columnwidth \@parboxrestore
9616 \protected@edef\@currentlabel{%
9617 \csname p@mpfootnote\endcsname\@thefnmark}%
9618 \color@begingroup
9619 \@sixcolfootfmt{#1}%
9620 \color@endgroup}%
9621 \m@mmf@prepare}
9622 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
9623 \global\setbox\@mpfootinsv@r\vbox{%
9624 \unvbox\@mpfootinsv@r
9625 \def\baselinestretch{\m@m@footnote@spacing}%
9626 \reset@font\LTRfoottextfont
9627 \hsize\columnwidth \@parboxrestore
9628 \if@RTLcolumnfootnotes\beginL\fi
9629 \protected@edef\@currentlabel{%
9630 \csname p@mpfootnote\endcsname\@thefnmark}%
9631 \color@begingroup
9632 \@sixcolLTRfootfmt{#1}%
9633 \color@endgroup}%
9634 \m@mmf@prepare}
9635 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
9636 \global\setbox\@mpfootinsv@r\vbox{%
9637 \unvbox\@mpfootinsv@r
9638 \def\baselinestretch{\m@m@footnote@spacing}%
9639 \reset@font\RTLfoottextfont
9640 \hsize\columnwidth \@parboxrestore
9641 \protected@edef\@currentlabel{%

```




```

9642 \csname p@mpfootnote\endcsname\@thefnmark}%
9643 \color@begingroup
9644 \@sixcolRTLfootfmt{#1}%
9645 \color@endgroup}%
9646 \m@mmf@prepare}
9647 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
9648 \m@make@sixcolfootnotetext{#1}%
9649 \m@make@mpsixcolfootnotetext{#1}%
9650 \m@make@sixcolfootfmt{#1}%
9651 \m@make@sixcol@footgroup{#1}%
9652 \m@make@mpsixcol@footgroup{#1}%
9653 \m@make@footstart{#1}%
9654 \bidi@namelongdef{\footnotetext#1}##1{%
9655 \@nameuse{\@sixcolfootnotetext#1}{##1}}%
9656 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9657 \@nameuse{\mpsixcolfootnotetext#1}{##1}}%
9658 \@namedef{\@footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%
9659 \@namedef{\mp@footgroup#1}{\@nameuse{\mpsixcol@footgroup#1}}%
9660 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9661 \expandafter\count\csname footins#1\endcsname=500\relax}
9662 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
9663 \bidi@namelongdef{\@sixcolfootnotetext#1}##1{%
9664 \insert\@nameuse{\footins#1}{%
9665 \def\baselinestretch{\m@m@footnote@spacing}%
9666 \reset@font\@nameuse{\foottextfont#1}%
9667 \@preamfntext
9668 \protected@edef\@currentlabel{%
9669 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9670 \color@begingroup
9671 \@nameuse{\@sixcolfootfmt#1}{##1}%
9672 \color@endgroup}%
9673 \m@mmf@prepare}}
9674 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9675 \bidi@namelongdef{\@mpsixcolfootnotetext#1}##1{%
9676 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9677 \unvbox\@nameuse{\mpfootins#1}
9678 \def\baselinestretch{\m@m@footnote@spacing}%
9679 \reset@font\@nameuse{\foottextfont#1}%
9680 \hsize\columnwidth \@parboxrestore
9681 \protected@edef\@currentlabel{%
9682 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9683 \color@begingroup
9684 \@nameuse{\@sixcolfootfmt#1}{##1}%
9685 \color@endgroup}\m@mmf@prepare}}
9686 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9687 \@namedef{\@sixcolfootfmt#1}##1{%
9688 \@preamsixfmt
9689 {\@nameuse{\footfootmark#1}\strut
9690 {\@nameuse{\foottextfont#1}##1}\strut\par}\allowbreak}}
9691 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%

```



```

9692 \@namedef{@sixcol@footgroup#1}{%
9693   \def\baselinestretch{\m@m@footnote@spacing}%
9694   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9695   \m@r@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
9696 \bidi@ensure@newcommand{\m@make@mps@sixcol@footgroup}[1]{%
9697 \@namedef{@mps@sixcol@footgroup#1}{%
9698   \def\baselinestretch{\m@m@footnote@spacing}%
9699   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9700   \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}%
9701 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9702   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9703   \@bidi@before@Hy@hyperfootnotes
9704   \let\@footnotetext\@sevendcolfootnotetext
9705   \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9706   \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9707   \dimen\footinsv@r=7\footinsdim
9708   \count\footinsv@r=142\relax
9709   \m@make@sevendcol@footgroup{v@r}%
9710   \let\@footgroupv@r\@sevendcol@footgroupv@r
9711   \let\@mpfootnotetext\@mpsevendcolfootnotetext
9712   \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9713   \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9714   \@bidi@after@Hy@hyperfootnotes
9715   \m@make@mpsevendcol@footgroup{v@r}%
9716   \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
9717 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9718   \def\baselinestretch{\m@m@footnote@spacing}%
9719   \reset@font\foottextfont
9720   \@preamfntext
9721   \protected@edef\@currentlabel{%
9722     \csname p@footnote\endcsname\@thefnmark}%
9723   \color@begingroup
9724     \@sevendcolfootfmt{#1}%
9725   \color@endgroup}%
9726   \m@mmf@prepare}
9727 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
9728   \def\baselinestretch{\m@m@footnote@spacing}%
9729   \reset@font\LTRfoottextfont
9730   \@preamfntext
9731   \protected@edef\@currentlabel{%
9732     \csname p@footnote\endcsname\@thefnmark}%
9733   \color@begingroup
9734     \@sevendcolLTRfootfmt{#1}%
9735   \color@endgroup}%
9736   \m@mmf@prepare}
9737 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9738   \def\baselinestretch{\m@m@footnote@spacing}%
9739   \reset@font\RTLfoottextfont
9740   \@preamfntext
9741   \protected@edef\@currentlabel{%

```



```

9742 \csname p@footnote\endcsname\@thefnmark}%
9743 \color@begingroup
9744 \sevenscolRTLfootfmt{#1}%
9745 \color@endgroup}%
9746 \m@mmf@prepare}
9747 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9748 \hspace{.142\hspace}
9749 \parindent=\z@
9750 \tolerance=5000\relax
9751 \leavevmode}
9752 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
9753 \@preamsevenfmt
9754 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9755 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
9756 \@preamsevenfmt
9757 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9758 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
9759 \@preamsevenfmt
9760 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9761 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse}
9762 \global\setbox\@mpfootinsv@r\vbox{%
9763 \unvbox\@mpfootinsv@r
9764 \def\baselinestretch{\m@m@footnote@spacing}%
9765 \reset@font\foottextfont
9766 \hspace\columnwidth \@parboxrestore
9767 \protected@edef\@currentlabel{%
9768 \csname p@mpfootnote\endcsname\@thefnmark}%
9769 \color@begingroup
9770 \sevenscolfootfmt{#1}%
9771 \color@endgroup}%
9772 \m@mmf@prepare}
9773 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse}
9774 \global\setbox\@mpfootinsv@r\vbox{%
9775 \unvbox\@mpfootinsv@r
9776 \def\baselinestretch{\m@m@footnote@spacing}%
9777 \reset@font\LTRfoottextfont
9778 \hspace\columnwidth \@parboxrestore
9779 \if@RTLcolumnfootnotes\beginL\fi
9780 \protected@edef\@currentlabel{%
9781 \csname p@mpfootnote\endcsname\@thefnmark}%
9782 \color@begingroup
9783 \sevenscolLTRfootfmt{#1}%
9784 \color@endgroup}%
9785 \m@mmf@prepare}
9786 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue}
9787 \global\setbox\@mpfootinsv@r\vbox{%
9788 \unvbox\@mpfootinsv@r
9789 \def\baselinestretch{\m@m@footnote@spacing}%
9790 \reset@font\RTLfoottextfont
9791 \hspace\columnwidth \@parboxrestore

```



```

9792 \protected@edef\@currentlabel{%
9793 \csname p@mpfootnote\endcsname\@thefnmark}%
9794 \color@begingroup
9795 \@sevenscolRTLfootfmt{#1}%
9796 \color@endgroup}%
9797 \m@mmf@prepare}
9798 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
9799 \m@make@sevenscolfootnotetext{#1}%
9800 \m@make@mpsevenscolfootnotetext{#1}%
9801 \m@make@sevenscolfootfmt{#1}%
9802 \m@make@sevenscol@footgroup{#1}%
9803 \m@make@mpsevenscol@footgroup{#1}%
9804 \m@make@footstart{#1}%
9805 \bidi@namelongdef{\footnotetext#1}##1{%
9806 \@nameuse{\@sevenscolfootnotetext#1}{##1}}%
9807 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9808 \@nameuse{\@mpsevenscolfootnotetext#1}{##1}}%
9809 \@namedef{\@footgroup#1}{\@nameuse{\@sevenscol@footgroup#1}}%
9810 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsevenscol@footgroup#1}}%
9811 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9812 \expandafter\count\csname footins#1\endcsname=500\relax}
9813 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
9814 \bidi@namelongdef{\@sevenscolfootnotetext#1}##1{%
9815 \insert\@nameuse{\footins#1}{%
9816 \def\baselinestretch{\m@m@footnote@spacing}%
9817 \reset@font\@nameuse{\foottextfont#1}%
9818 \@preamfntext
9819 \protected@edef\@currentlabel{%
9820 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9821 \color@begingroup
9822 \@nameuse{\@sevenscolfootfmt#1}{##1}%
9823 \color@endgroup}%
9824 \m@mmf@prepare}}
9825 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
9826 \bidi@namelongdef{\@mpsevenscolfootnotetext#1}##1{%
9827 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9828 \unvbox\@nameuse{\@mpfootins#1}
9829 \def\baselinestretch{\m@m@footnote@spacing}%
9830 \reset@font\@nameuse{\foottextfont#1}%
9831 \hsize\columnwidth \@parboxrestore
9832 \protected@edef\@currentlabel{%
9833 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9834 \color@begingroup
9835 \@nameuse{\@sevenscolfootfmt#1}{##1}%
9836 \color@endgroup}\m@mmf@prepare}}
9837 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
9838 \@namedef{\@sevenscolfootfmt#1}##1{%
9839 \@preamsevenfmt
9840 {\@nameuse{\footfootmark#1}\strut
9841 {\@nameuse{\foottextfont#1}##1}\strut\par}\allowbreak}}

```



```

9842 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
9843   \namedef{@sevenscol@footgroup#1}{%
9844     \def\baselinestretch{\m@m@footnote@spacing}%
9845     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9846     \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
9847 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
9848   \namedef{@mpsevenscol@footgroup#1}{%
9849     \def\baselinestretch{\m@m@footnote@spacing}%
9850     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9851     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}%
9852 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9853   \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9854   \@bidi@before@Hy@hyperfootnotes
9855   \let\@footnotetext\@eightcolfootnotetext
9856   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9857   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9858   \dimen\footinsv@r=8\footinsdim
9859   \count\footinsv@r=125\relax
9860   \m@make@eightcol@footgroup{v@r}%
9861   \let\@footgroupv@r\@eightcol@footgroupv@r
9862   \let\@mpfootnotetext\@mpeightcolfootnotetext
9863   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9864   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9865   \@bidi@after@Hy@hyperfootnotes
9866   \m@make@mpeightcol@footgroup{v@r}%
9867   \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9868 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9869   \def\baselinestretch{\m@m@footnote@spacing}%
9870   \reset@font\foottextfont
9871   \@preamfntext
9872   \protected@edef\@currentlabel{%
9873     \csname p@footnote\endcsname\@thefnmark}%
9874   \color@begingroup
9875     \@eightcolfootfmt{#1}%
9876   \color@endgroup}%
9877   \m@mmf@prepare}
9878 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9879   \def\baselinestretch{\m@m@footnote@spacing}%
9880   \reset@font\LTRfoottextfont
9881   \@preamfntext
9882   \protected@edef\@currentlabel{%
9883     \csname p@footnote\endcsname\@thefnmark}%
9884   \color@begingroup
9885     \@eightcolLTRfootfmt{#1}%
9886   \color@endgroup}%
9887   \m@mmf@prepare}
9888 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9889   \def\baselinestretch{\m@m@footnote@spacing}%
9890   \reset@font\RTLfoottextfont
9891   \@preamfntext

```



```

9892 \protected@edef\@currentlabel{%
9893   \csname p@footnote\endcsname\@thefnmark}%
9894 \color@begingroup
9895   \@eightcolRTLfootfmt{#1}%
9896 \color@endgroup}%
9897 \m@mmf@prepare}
9898 \bidi@ensure@newcommand{\@preameightfmt}{%
9899   \hspace{.125\hspace}
9900   \parindent=\z@
9901   \tolerance=5000\relax
9902   \leavevmode}
9903 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9904   \@preameightfmt
9905   {\footnote\strut {\foottextfont #1}\strut\par}\allowbreak}
9906 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9907   \@preameightfmt
9908   {\LTRfootnote\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9909 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9910   \@preameightfmt
9911   {\RTLfootnote\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9912 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9913   \global\setbox\@mpfootins\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9914     \unvbox\@mpfootins}
9915   \def\baselinestretch{\m@mm@footnote@spacing}%
9916   \reset@font\foottextfont
9917   \hspace\columnwidth \@parboxrestore
9918   \protected@edef\@currentlabel{%
9919     \csname p@mpfootnote\endcsname\@thefnmark}%
9920   \color@begingroup
9921     \@eightcolfootfmt{#1}%
9922   \color@endgroup}%
9923   \m@mmf@prepare}
9924 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9925   \global\setbox\@mpfootins\@vbox{\@RTLfalse%
9926     \unvbox\@mpfootins}
9927   \def\baselinestretch{\m@mm@footnote@spacing}%
9928   \reset@font\LTRfoottextfont
9929   \hspace\columnwidth \@parboxrestore
9930   \if@RTLcolumnfootnotes\beginL\fi
9931   \protected@edef\@currentlabel{%
9932     \csname p@mpfootnote\endcsname\@thefnmark}%
9933   \color@begingroup
9934     \@eightcolLTRfootfmt{#1}%
9935   \color@endgroup}%
9936   \m@mmf@prepare}
9937 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9938   \global\setbox\@mpfootins\@vbox{\@RTLtrue%
9939     \unvbox\@mpfootins}
9940   \def\baselinestretch{\m@mm@footnote@spacing}%
9941   \reset@font\RTLfoottextfont

```



```

9942 \hsize\columnwidth \@parboxrestore
9943 \protected@edef\@currentlabel{%
9944 \csname p@mpfootnote\endcsname\@thefnmark}%
9945 \color@begingroup
9946 \@eightcolRTLfootfmt{#1}%
9947 \color@endgroup}%
9948 \m@mmf@prepare}
9949 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9950 \m@make@eightcolfootnotetext{#1}%
9951 \m@make@mpeightcolfootnotetext{#1}%
9952 \m@make@eightcolfootfmt{#1}%
9953 \m@make@eightcol@footgroup{#1}%
9954 \m@make@mpeightcol@footgroup{#1}%
9955 \m@make@footstart{#1}%
9956 \bidi@namelongdef{\footnotetext#1}##1{%
9957 \@nameuse{\eightcolfootnotetext#1}{##1}}%
9958 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9959 \@nameuse{\mpeightcolfootnotetext#1}{##1}}%
9960 \@namedef{\@footgroup#1}{\@nameuse{\eightcol@footgroup#1}}%
9961 \@namedef{\mp@footgroup#1}{\@nameuse{\mpeightcol@footgroup#1}}%
9962 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9963 \expandafter\count\csname footins#1\endcsname=500\relax}
9964 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9965 \bidi@namelongdef{\eightcolfootnotetext#1}##1{%
9966 \insert\@nameuse{footins#1}{%
9967 \def\baselinestretch{\m@m@footnote@spacing}%
9968 \reset@font\@nameuse{foottextfont#1}%
9969 \@preamfntext
9970 \protected@edef\@currentlabel{%
9971 \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
9972 \color@begingroup
9973 \@nameuse{\eightcolfootfmt#1}{##1}%
9974 \color@endgroup}%
9975 \m@mmf@prepare}}
9976 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9977 \bidi@namelongdef{\mpeightcolfootnotetext#1}##1{%
9978 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9979 \unvbox\@nameuse{\mpfootins#1}
9980 \def\baselinestretch{\m@m@footnote@spacing}%
9981 \reset@font\@nameuse{foottextfont#1}%
9982 \hsize\columnwidth \@parboxrestore
9983 \protected@edef\@currentlabel{%
9984 \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
9985 \color@begingroup
9986 \@nameuse{\eightcolfootfmt#1}{##1}%
9987 \color@endgroup}\m@mmf@prepare}}
9988 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9989 \@namedef{\eightcolfootfmt#1}##1{%
9990 \@preameightfmt
9991 {\@nameuse{footfootmark#1}}\strut

```



```

9992      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9993 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9994   \@namedef{@eightcol@footgroup#1}{%
9995     \def\baselinestretch{\m@m@footnote@spacing}%
9996     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9997     \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
9998 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9999 \@namedef{@mpeightcol@footgroup#1}{%
10000 \def\baselinestretch{\m@m@footnote@spacing}%
10001   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10002   \m@mrigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}}
10003 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
10004   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10005   \@bidi@before@Hy@hyperfootnotes
10006   \let\@footnotetext\@ninecolfootnotetext
10007   \let\@LTRfootnotetext\@ninecolLTRfootnotetext
10008   \let\@RTLfootnotetext\@ninecolRTLfootnotetext
10009   \dimen\footinsv@r=9\footinsdim
10010   \count\footinsv@r=111\relax
10011   \m@make@ninecol@footgroup{v@r}%
10012   \let\@footgroupv@r\@ninecol@footgroupv@r
10013   \let\@mpfootnotetext\@mpninecolfootnotetext
10014   \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
10015   \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
10016   \@bidi@after@Hy@hyperfootnotes
10017   \m@make@mpninecol@footgroup{v@r}%
10018   \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
10019 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
10020 \def\baselinestretch{\m@m@footnote@spacing}%
10021 \reset@font\foottextfont
10022 \@preamfntext
10023 \protected@edef\@currentlabel{%
10024   \csname p@footnote\endcsname\@thefnmark}%
10025 \color@begingroup
10026   \@ninecolfootfmt{#1}%
10027   \color@endgroup}%
10028   \m@m@mmf@prepare}
10029 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
10030 \def\baselinestretch{\m@m@footnote@spacing}%
10031 \reset@font\LTRfoottextfont
10032 \@preamfntext
10033 \protected@edef\@currentlabel{%
10034   \csname p@footnote\endcsname\@thefnmark}%
10035 \color@begingroup
10036   \@ninecolLTRfootfmt{#1}%
10037   \color@endgroup}%
10038   \m@m@mmf@prepare}
10039 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10040 \def\baselinestretch{\m@m@footnote@spacing}%
10041 \reset@font\RTLfoottextfont

```




```

10042 \@preamfntext
10043 \protected@edef\@currentlabel{%
10044   \csname p@footnote\endcsname\@thefnmark}%
10045 \color@begingroup
10046   \@ninecolRTLfootfmt{#1}%
10047 \color@endgroup}%
10048 \m@mmf@prepare}
10049 \bidi@ensure@newcommand{\@preamninefmt}{%
10050   \hspace{.1\hspace}
10051   \parindent=\z@
10052   \tolerance=5000\relax
10053   \leavevmode}
10054 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
10055   \@preamninefmt
10056   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10057 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
10058   \@preamninefmt
10059   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10060 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
10061   \@preamninefmt
10062   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10063 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
10064   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10065     \unvbox\@mpfootinsv@r
10066     \def\baselinestretch{\m@m@footnote@spacing}%
10067     \reset@font\foottextfont
10068     \hspace\columnwidth \@parboxrestore
10069     \protected@edef\@currentlabel{%
10070       \csname p@mpfootnote\endcsname\@thefnmark}%
10071     \color@begingroup
10072       \@ninecolfootfmt{#1}%
10073     \color@endgroup}%
10074     \m@mmf@prepare}
10075 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
10076   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10077     \unvbox\@mpfootinsv@r
10078     \def\baselinestretch{\m@m@footnote@spacing}%
10079     \reset@font\LTRfoottextfont
10080     \hspace\columnwidth \@parboxrestore
10081     \if@RTLcolumnfootnotes\beginL\fi
10082     \protected@edef\@currentlabel{%
10083       \csname p@mpfootnote\endcsname\@thefnmark}%
10084     \color@begingroup
10085       \@ninecolLTRfootfmt{#1}%
10086     \color@endgroup}%
10087     \m@mmf@prepare}
10088 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
10089   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10090     \unvbox\@mpfootinsv@r
10091     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

10092 \reset@font\RTLfoottextfont
10093 \hsize\columnwidth \@parboxrestore
10094 \protected@edef\@currentlabel{%
10095 \csname p@mpfootnote\endcsname\@thefnmark}%
10096 \color@begingroup
10097 \@ninecolRTLfootfmt{#1}%
10098 \color@endgroup}%
10099 \m@mmf@prepare}
10100 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
10101 \m@make@ninecolfootnotetext{#1}%
10102 \m@make@mpninecolfootnotetext{#1}%
10103 \m@make@ninecolfootfmt{#1}%
10104 \m@make@ninecol@footgroup{#1}%
10105 \m@make@mpninecol@footgroup{#1}%
10106 \m@make@footstart{#1}%
10107 \bidi@namelongdef{\footnotetext#1}##1{%
10108 \@nameuse{\@ninecolfootnotetext#1}{##1}}%
10109 \bidi@namelongdef{\mpfootnotetext#1}##1{%
10110 \@nameuse{\@mpninecolfootnotetext#1}{##1}}%
10111 \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
10112 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
10113 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10114 \expandafter\count\csname footins#1\endcsname=500\relax}
10115 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
10116 \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
10117 \insert\@nameuse{\footins#1}{%
10118 \def\baselinestretch{\m@m@footnote@spacing}%
10119 \reset@font\@nameuse{\foottextfont#1}%
10120 \@preamfntext
10121 \protected@edef\@currentlabel{%
10122 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
10123 \color@begingroup
10124 \@nameuse{\@ninecolfootfmt#1}{##1}%
10125 \color@endgroup}%
10126 \m@mmf@prepare}}
10127 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
10128 \bidi@namelongdef{\@mpninecolfootnotetext#1}##1{%
10129 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
10130 \unvbox\@nameuse{\mpfootins#1}
10131 \def\baselinestretch{\m@m@footnote@spacing}%
10132 \reset@font\@nameuse{\foottextfont#1}%
10133 \hsize\columnwidth \@parboxrestore
10134 \protected@edef\@currentlabel{%
10135 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
10136 \color@begingroup
10137 \@nameuse{\@ninecolfootfmt#1}{##1}%
10138 \color@endgroup}\m@mmf@prepare}}
10139 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
10140 \@namedef{\@ninecolfootfmt#1}##1{%
10141 \@preamninefmt

```



```

10142 {\@nameuse{footfootmark#1}\strut
10143 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10144 \bidi@ensure@newcommand{\m@make@ninelcol@footgroup}[1]{%
10145 \@namedef{@ninelcol@footgroup#1}{%
10146 \def\baselinestretch{\m@m@footnote@spacing}%
10147 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10148 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
10149 \bidi@ensure@newcommand{\m@make@mpninelcol@footgroup}[1]{%
10150 \@namedef{@mpninelcol@footgroup#1}{%
10151 \def\baselinestretch{\m@m@footnote@spacing}%
10152 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10153 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
10154 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
10155 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10156 \@bidi@before@Hy@hyperfootnotes
10157 \let\@footnotetext\@tencolfootnotetext
10158 \let\@LTRfootnotetext\@tencolLTRfootnotetext
10159 \let\@RTLfootnotetext\@tencolRTLfootnotetext
10160 \dimen\footinsv@r=10\footinsdim
10161 \count\footinsv@r=100\relax
10162 \m@make@tencol@footgroup{v@r}%
10163 \let\@footgroupv@r\@tencol@footgroupv@r
10164 \let\@mpfootnotetext\@mptencolfootnotetext
10165 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
10166 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
10167 \@bidi@after@Hy@hyperfootnotes
10168 \m@make@mptencol@footgroup{v@r}%
10169 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
10170 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10171 \def\baselinestretch{\m@m@footnote@spacing}%
10172 \reset@font\foottextfont
10173 \@preamfntext
10174 \protected@edef\@currentlabel{%
10175 \csname p@footnote\endcsname\@thefnmark}%
10176 \color@begingroup
10177 \@tencolfootfmt{#1}%
10178 \color@endgroup}%
10179 \m@m@mmf@prepare}
10180 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTL@columnfootnotes%
10181 \def\baselinestretch{\m@m@footnote@spacing}%
10182 \reset@font\LTRfoottextfont
10183 \@preamfntext
10184 \protected@edef\@currentlabel{%
10185 \csname p@footnote\endcsname\@thefnmark}%
10186 \color@begingroup
10187 \@tencolLTRfootfmt{#1}%
10188 \color@endgroup}%
10189 \m@m@mmf@prepare}
10190 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10191 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

10192 \reset@font\RTLfoottextfont
10193 \@preamfntext
10194 \protected@edef\@currentlabel{%
10195   \csname p@footnote\endcsname\@thefnmark}%
10196 \color@begingroup
10197   \@tencolRTLfootfmt{#1}%
10198 \color@endgroup}%
10199 \m@mmf@prepare}
10200 \bidi@ensure@newcommand{\@preamtenfmt}{%
10201   \hsize .1\hsize
10202   \parindent=\z@
10203   \tolerance=5000\relax
10204   \leavevmode}
10205 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10206   \@preamtenfmt
10207   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10208 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10209   \@preamtenfmt
10210   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10211 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10212   \@preamtenfmt
10213   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10214 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10215   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10216     \unvbox\@mpfootinsv@r
10217     \def\baselinestretch{\m@m@footnote@spacing}%
10218     \reset@font\foottextfont
10219     \hsize\columnwidth \@parboxrestore
10220     \protected@edef\@currentlabel{%
10221       \csname p@mpfootnote\endcsname\@thefnmark}%
10222     \color@begingroup
10223       \@tencolfootfmt{#1}%
10224     \color@endgroup}%
10225     \m@mmf@prepare}
10226 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10227   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10228     \unvbox\@mpfootinsv@r
10229     \def\baselinestretch{\m@m@footnote@spacing}%
10230     \reset@font\LTRfoottextfont
10231     \hsize\columnwidth \@parboxrestore
10232     \if@RTLcolumnfootnotes\beginL\fi
10233     \protected@edef\@currentlabel{%
10234       \csname p@mpfootnote\endcsname\@thefnmark}%
10235     \color@begingroup
10236       \@tencolLTRfootfmt{#1}%
10237     \color@endgroup}%
10238     \m@mmf@prepare}
10239 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10240   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10241     \unvbox\@mpfootinsv@r

```



```

10242 \def\baselinestretch{\m@m@footnote@spacing}%
10243 \reset@font\RTLfoottextfont
10244 \hsize\columnwidth \@parboxrestore
10245 \protected@edef\@currentlabel{%
10246 \csname p@mpfootnote\endcsname\@thefnmark}%
10247 \color@begingroup
10248 \@tencolRTLfootfmt{#1}%
10249 \color@endgroup}%
10250 \m@mmf@prepare}
10251 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
10252 \m@make@tencolfootnotetext{#1}%
10253 \m@make@mptencolfootnotetext{#1}%
10254 \m@make@tencolfootfmt{#1}%
10255 \m@make@tencol@footgroup{#1}%
10256 \m@make@mptencol@footgroup{#1}%
10257 \m@make@footstart{#1}%
10258 \bidi@namelongdef{\@footnotetext#1}##1{%
10259 \@nameuse{\@tencolfootnotetext#1}{##1}}%
10260 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10261 \@nameuse{\@mptencolfootnotetext#1}{##1}}%
10262 \@namedef{\@footgroup#1}{\@nameuse{\@tencol@footgroup#1}}%
10263 \@namedef{\@mpfootgroup#1}{\@nameuse{\@mptencol@footgroup#1}}%
10264 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10265 \expandafter\count\csname footins#1\endcsname=500\relax}
10266 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
10267 \bidi@namelongdef{\@tencolfootnotetext#1}##1{%
10268 \insert\@nameuse{\footins#1}{%
10269 \def\baselinestretch{\m@m@footnote@spacing}%
10270 \reset@font\@nameuse{\foottextfont#1}%
10271 \@preamfntext
10272 \protected@edef\@currentlabel{%
10273 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
10274 \color@begingroup
10275 \@nameuse{\@tencolfootfmt#1}{##1}%
10276 \color@endgroup}%
10277 \m@mmf@prepare}}
10278 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
10279 \bidi@namelongdef{\@mptencolfootnotetext#1}##1{%
10280 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
10281 \unvbox\@nameuse{\@mpfootins#1}
10282 \def\baselinestretch{\m@m@footnote@spacing}%
10283 \reset@font\@nameuse{\foottextfont#1}%
10284 \hsize\columnwidth \@parboxrestore
10285 \protected@edef\@currentlabel{%
10286 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
10287 \color@begingroup
10288 \@nameuse{\@tencolfootfmt#1}{##1}%
10289 \color@endgroup}\m@mmf@prepare}}
10290 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
10291 \@namedef{\@tencolfootfmt#1}##1{%

```



```

10292 \@preamtenfmt
10293 {\@nameuse{footfootmark#1}\strut
10294   {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10295 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10296   \@namedef{@tencol@footgroup#1}{%
10297     \def\baselinestretch{\m@m@footnote@spacing}%
10298     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10299     \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
10300 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10301   \@namedef{@mptencol@footgroup#1}{%
10302     \def\baselinestretch{\m@m@footnote@spacing}%
10303     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10304     \m@mrigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}}}
10305 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10306   \setbox0=\vbox{\unvbox#1%
10307     \global\setbox1=\lastbox}%
10308   \unhbox1
10309   \unskip
10310   \unskip
10311   \unpenalty
10312   \hskip\m@mipn@skip}
10313 \bidi@ensure@newcommand{\m@mungebox}{%
10314   \setbox0=\hbox{\m@munvxh0}%
10315   \dp0=\z@
10316   \ht0=\footfudgefactor\wd0
10317   \box0
10318   \penalty0}
10319 \newskip\m@mipn@skip
10320 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
10321   {\foottextfont\global\m@mipn@skip=#1\relax}}
10322 \m@minterparanoteglua{1em plus.4em minus.4em}
10323 \ifpackageloaded{multicol}{%
10324   \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10325     \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10326     \hsize\textwidth%
10327     \setbox0=\hbox{}%
10328     \loop
10329       \unpenalty
10330       \setbox2=\lastbox
10331       \ifhbox2
10332         \setbox0=\hbox{\box2\unhbox0}
10333       \repeat}
10334 }{%
10335   \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10336     \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10337     \setbox0=\hbox{}%
10338     \loop
10339       \unpenalty
10340       \setbox2=\lastbox
10341       \ifhbox2

```



```

10342 \setbox0=\hbox{\box2\unhbox0}
10343 \repeat}}
10344 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10345 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10346 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
10347 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10348 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10349 \@bidi@before@Hy@hyperfootnotes
10350 \let\@footnotetext\@parafootnotetext
10351 \let\@LTRfootnotetext\@paraLTRfootnotetext
10352 \let\@RTLfootnotetext\@paraRTLfootnotetext
10353 \dimen\footinsv@r=\footinsdim
10354 \count\footinsv@r=1000\relax
10355 \m@make@para@footgroup{v@r}%
10356 \let\@footgroupv@r\@para@footgroupv@r
10357 \let\@mpfootnotetext\@mpparafootnotetext
10358 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10359 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10360 \@bidi@after@Hy@hyperfootnotes
10361 \m@make@mppara@footgroup{v@r}%
10362 \let\mp@footgroupv@r\@mppara@footgroupv@r
10363 \begingroup
10364 \def\baselinestretch{\m@m@footnote@spacing}%
10365 \foottextfont
10366 \@tempdima\normalbaselineskip
10367 \multiply \@tempdima \@cclvi
10368 \@tempdimb \columnwidth
10369 \divide \@tempdimb \@cclvi
10370 \divide \@tempdima \@tempdimb
10371 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10372 \endgroup
10373 }
10374 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
10375 \let\bidi@RTL@everypar\@empty%
10376 \def\baselinestretch{\m@m@footnote@spacing}%
10377 \reset@font\foottextfont
10378 \@preamfntext
10379 \protected@edef\@currentlabel{%
10380 \csname p@footnote\endcsname\@thefnmark}%
10381 \setbox0=\vbox{\hsize=\maxdimen
10382 \color@begingroup
10383 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
10384 \color@endgroup}%
10385 \m@mungebox}\m@mmf@prepare}
10386 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
10387 \let\bidi@RTL@everypar\@empty%
10388 \def\baselinestretch{\m@m@footnote@spacing}%
10389 \reset@font\LTRfoottextfont
10390 \@preamfntext
10391 \protected@edef\@currentlabel{%

```



```

10392 \csname p@footnote\endcsname\@thefnmark}%
10393 \setbox0=\vbox{\hsize=\maxdimen
10394 \color@begingroup
10395 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10396 \color@endgroup}%
10397 \m@mungebox}\m@mmf@prepare}
10398 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10399 \let\bidi@RTL@everypar\@empty%
10400 \def\baselinestretch{\m@m@footnote@spacing}%
10401 \reset@font\RTLfoottextfont
10402 \@preamfntext
10403 \protected@edef\@currentlabel{%
10404 \csname p@footnote\endcsname\@thefnmark}%
10405 \setbox0=\vbox{\hsize=\maxdimen
10406 \color@begingroup
10407 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10408 \color@endgroup}%
10409 \m@mungebox}\m@mmf@prepare}
10410 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10411 \parindent=\z@
10412 \parfillskip=0pt \@plus 1fil
10413 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10414 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10415 \parindent=\z@
10416 \parfillskip=0pt \@plus 1fil
10417 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10418 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10419 \parindent=\z@
10420 \parfillskip=0pt \@plus 1fil
10421 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10422 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10423 \global\setbox\@mpfootinsv@r\vbox{%
10424 \let\bidi@RTL@everypar\@empty%
10425 \def\baselinestretch{\m@m@footnote@spacing}%
10426 \unvbox\@mpfootinsv@r
10427 \reset@font\foottextfont
10428 \hsize\columnwidth \@parboxrestore
10429 \protected@edef\@currentlabel{%
10430 \csname p@mpfootnote\endcsname\@thefnmark}%
10431 \setbox0=\vbox{\hsize=\maxdimen
10432 \color@begingroup
10433 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else\beginL\fi#1\if@RTL@footnote\endR}%
10434 \color@endgroup}%
10435 \m@mungebox}\m@mmf@prepare}
10436 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10437 \global\setbox\@mpfootinsv@r\vbox{%
10438 \let\bidi@RTL@everypar\@empty%
10439 \def\baselinestretch{\m@m@footnote@spacing}%
10440 \unvbox\@mpfootinsv@r
10441 \reset@font\LTRfoottextfont

```




```

10442 \hspace\columnwidth \@parboxrestore
10443 \protected@edef\@currentlabel{%
10444 \csname p@mpfootnote\endcsname\@thefnmark}%
10445 \setbox0=\vbox{\hspace=\maxdimen
10446 \color@begingroup
10447 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10448 \color@endgroup}%
10449 \m@mungebox}\m@mmf@prepare}
10450 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10451 \global\setbox\@mpfootinsv\@vbox{%
10452 \let\bidi@RTL@everypar\@empty%
10453 \def\baselinestretch{\m@m@footnote@spacing}%
10454 \unvbox\@mpfootinsv
10455 \reset@font\RTLfoottextfont
10456 \hspace\columnwidth \@parboxrestore
10457 \protected@edef\@currentlabel{%
10458 \csname p@mpfootnote\endcsname\@thefnmark}%
10459 \setbox0=\vbox{\hspace=\maxdimen
10460 \color@begingroup
10461 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10462 \color@endgroup}%
10463 \m@mungebox}\m@mmf@prepare}
10464 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
10465 \m@make@parafootnotetext{#1}%
10466 \m@make@mpparafootnotetext{#1}%
10467 \m@make@parafootfmt{#1}%
10468 \m@make@para@footgroup{#1}%
10469 \m@make@mppara@footgroup{#1}%
10470 \m@make@para@footstart{#1}%
10471 \bidi@namelongdef{\@footnotetext#1}##1{%
10472 \@nameuse{\@parafootnotetext#1}{##1}}%
10473 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10474 \@nameuse{\@mpparafootnotetext#1}{##1}}%
10475 \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
10476 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
10477 \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
10478 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
10479 \expandafter\count\csname footins#1\endcsname=1000\relax
10480 \begingroup
10481 \def\baselinestretch{\m@m@footnote@spacing}%
10482 \@nameuse{\foottextfont#1}%
10483 \@tempdima\normalbaselineskip
10484 \multiply \@tempdima \@cclvi
10485 \@tempdimb \columnwidth
10486 \divide \@tempdimb \@cclvi
10487 \divide \@tempdima \@tempdimb
10488 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10489 \endgroup
10490 }
10491 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%

```



```

10492 \bidi@namelongdef{@parafootnotetext#1}##1{%
10493   \insert\@nameuse{footins#1}{
10494     \def\baselinestretch{\m@m@footnote@spacing}%
10495     \reset@font\@nameuse{foottextfont#1}%
10496     \@preamfntext
10497     \protected@edef\@currentlabel{%
10498       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10499     \setbox0=\vbox{\hsize=\maxdimen
10500       \color@begingroup
10501         \noindent \@nameuse{@parafootfmt#1}{##1}%
10502       \color@endgroup}%
10503     \m@mungebox}\m@mmf@prepare}}
10504 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
10505 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
10506   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10507     \unvbox\@nameuse{@mpfootins#1}
10508     \def\baselinestretch{\m@m@footnote@spacing}%
10509     \reset@font\@nameuse{foottextfont#1}%
10510     \hsize\columnwidth \@parboxrestore
10511     \protected@edef\@currentlabel{%
10512       \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
10513     \setbox0=\vbox{\hsize=\maxdimen
10514       \color@begingroup
10515         \noindent \@nameuse{@parafootfmt#1}{##1}%
10516       \color@endgroup}%
10517     \m@mungebox}\m@mmf@prepare}}
10518 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
10519 \bidi@namelongdef{@parafootfmt#1}##1{%
10520   \parindent=\z@
10521   \parfillskip=0pt \@plus 1fil
10522   {\@nameuse{footfootmark#1}\strut
10523     {\@nameuse{foottextfont#1}##1}\penalty-10}}
10524 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10525 \@namedef{@para@footgroup#1}{%
10526   \unvbox\@nameuse{footins#1}
10527   \m@mmakehboxofhboxes
10528   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10529   \@parboxrestore%
10530   \def\baselinestretch{\m@m@footnote@spacing}%
10531   \@nameuse{foottextfont#1}%
10532   \noindent\unhbox0\par}}
10533 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10534 \@namedef{@mppara@footgroup#1}{%
10535   \unvbox\@nameuse{@mpfootins#1}
10536   \m@mmakehboxofhboxes
10537   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10538   \def\baselinestretch{\m@m@footnote@spacing}%
10539   \@nameuse{foottextfont#1}%
10540   \noindent\unhbox0\par}}
10541 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%

```



```

10542 \namedef{@para@footstart#1}{%
10543   \vskip\bigskipamount
10544   \leftskip=\z@
10545   \rightskip=\z@
10546   \parindent=\z@
10547   \vskip\skip\@nameuse{footins#1}%
10548   \footnoterule}}
10549 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10550   \xdef\@freelist{\@freelist\@midlist}%
10551   \global\let\@midlist\@empty
10552   \@combinefloats}
10553 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10554   \ifvbox\@kludgeins
10555     \@makespecialcolbox
10556   \else
10557     \setbox\@outputbox \vbox to\@colht{%
10558       \@texttop
10559       \dimen@ \dp\@outputbox
10560       \unvbox \@outputbox
10561       \vskip -\dimen@
10562       \@textbottom}%
10563   \fi}
10564 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
10565 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
10566   \boxmaxdepth\@maxdepth
10567   \@tempdima\dp\@cclv
10568   \unvbox\@cclv
10569   \vskip-\@tempdima
10570   \bidi@mopfn@bottom
10571   \vskip \skip\footins
10572   \color@begingroup
10573     \normalcolor
10574     \footnoterule
10575     \unvbox \footins
10576   \color@endgroup}}
10577 \newcommand*{\bidi@mopfootnotebf}{%
10578   \setbox\@outputbox \vbox{%
10579     \boxmaxdepth\@maxdepth
10580     \unvbox\@outputbox
10581     \bidi@mopfn@bottom
10582     \vskip\skip\footins
10583     \color@begingroup
10584       \normalcolor
10585       \footnoterule
10586       \unvbox \footins
10587     \color@endgroup}}
10588 \gdef\mem@makecol{%
10589   \m@m@makecolintro
10590   \ifvoid\footins
10591     \setbox\@outputbox \box\@cclv

```



```

10592 \else
10593   \m@mopfootnote
10594 \fi
10595 \m@mdoextrafeet
10596 \m@m@makecolfloats
10597 \m@m@makecoltext
10598 \global \maxdepth \@maxdepth}
10599 \gdef\bidi@makecolbf{%
10600   \m@m@makecolintro
10601   \setbox\@outputbox \box\@cclv
10602   \m@m@makecolfloats
10603   \ifvoid\footins
10604   \else
10605     \bidi@mopfootnotebf
10606   \fi
10607   \m@mdoextrafeet
10608   \m@m@makecoltext
10609   \global \maxdepth \@maxdepth}
10610 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10611 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10612 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10613 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10614 \FeetAboveFloat
10615 \FeetBelowRagged

```

55 File extreport-xetex-bidi.def

```

10616 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10617 \renewcommand*\l@part[2]{%
10618   \ifnum \c@tocdepth >-2\relax
10619     \addpenalty{-\@highpenalty}%
10620     \addvspace{2.25em \@plus\p}%
10621     \begingroup
10622       \setlength\@tempdima{3em}%
10623       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10624       \parfillskip -\@pnumwidth
10625       {\leavevmode
10626         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10627       \nobreak
10628       \global\@nobreaktrue
10629       \everypar{\global\@nobreakfalse\everypar{}}%
10630     \endgroup
10631   \fi}
10632 \renewcommand*\l@chapter[2]{%
10633   \ifnum \c@tocdepth >\m@ne
10634     \addpenalty{-\@highpenalty}%
10635     \vskip 1.0em \@plus\p@
10636     \setlength\@tempdima{1.5em}%
10637     \begingroup
10638       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

10639 \parfillskip -\@pnumwidth
10640 \leavevmode \bfseries
10641 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
10642 \hskip -\if@RTL\righskip\else\leftskip\fi
10643 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10644 \penalty\@highpenalty
10645 \endgroup
10646 \fi}
10647 \def\@makechapterhead#1{%
10648 \vspace*{50\p@}%
10649 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10650 \ifnum \c@secnumdepth >\m@ne
10651 \huge\bfseries \@chapapp\space \thechapter
10652 \par\nobreak
10653 \vskip 20\p@
10654 \fi
10655 \interlinepenalty\@M
10656 \Huge \bfseries #1\par\nobreak
10657 \vskip 40\p@
10658 }}
10659 \def\@makeschapterhead#1{%
10660 \vspace*{50\p@}%
10661 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10662 \normalfont
10663 \interlinepenalty\@M
10664 \Huge \bfseries #1\par\nobreak
10665 \vskip 40\p@
10666 }}
10667 \renewcommand\left@footnoterule{%
10668 \kern-3\p@
10669 \hrule\@width.4\columnwidth
10670 \kern2.6\p@}
10671 \renewcommand\right@footnoterule{%
10672 \kern-3\p@
10673 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10674 \kern2.6\p@}
10675 \renewenvironment{thebibliography}[1]
10676 {\chapter*{\bibname
10677 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10678 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10679 \bidi@thebibliography@font@hook%
10680 \list{\@biblabel{\@arabic\c@enumiv}}%
10681 {\settowidth\labelwidth{\@biblabel{#1}}%
10682 \leftmargin\labelwidth
10683 \advance\leftmargin\labelsep
10684 \@openbib@code
10685 \usecounter{enumiv}%
10686 \let\p@enumiv\@empty
10687 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10688 \sloppy\clubpenalty4000\widowpenalty4000%

```



```

10689 \sfcode`.\@m}
10690 {\def\@noitemerr
10691 {\@latex@warning{Empty `thebibliography' environment}}}%
10692 \endlist}
10693 \if@titlepage
10694 \renewcommand\maketitle{\begin{titlepage}%
10695 \let\footnotesize\small
10696 \let\right@footnoterule\relax
10697 \let\left@footnoterule\relax
10698 \let\textwidth\footnoterule\relax
10699 \let \footnote \thanks
10700 \null\vfil
10701 \vskip 60\p@
10702 \begin{center}%
10703 {\LARGE \@title \par}%
10704 \vskip 3em%
10705 {\large
10706 \lineskip .75em%
10707 \begin{tabular}[t]{c}%
10708 \@author
10709 \end{tabular}\par}%
10710 \vskip 1.5em%
10711 {\large \@date \par}% % Set date in \large size.
10712 \end{center}\par
10713 \@thanks
10714 \vfil\null
10715 \end{titlepage}%
10716 \setcounter{footnote}{0}%
10717 \global\let\thanks\relax
10718 \global\let\maketitle\relax
10719 \global\let\@thanks\@empty
10720 \global\let\@author\@empty
10721 \global\let\@date\@empty
10722 \global\let\@title\@empty
10723 \global\let\title\relax
10724 \global\let\author\relax
10725 \global\let\date\relax
10726 \global\let\and\relax
10727 }
10728 \else
10729 \renewcommand\maketitle{\par
10730 \begin{group}
10731 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10732 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10733 \long\def\@makefntext##1{\parindent 1em\noindent
10734 \hbext@1.8em{%
10735 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10736 \if@twocolumn
10737 \ifnum \col@number=\@ne
10738 \maketitle

```



```

10739 \else
10740 \twocolumn[\@maketitle]%
10741 \fi
10742 \else
10743 \newpage
10744 \global\@topnum\z@ % Prevents figures from going at top of page.
10745 \@maketitle
10746 \fi
10747 \thispagestyle{plain}\@thanks
10748 \endgroup
10749 \setcounter{footnote}{0}%
10750 \global\let\thanks\relax
10751 \global\let\maketitle\relax
10752 \global\let\@maketitle\relax
10753 \global\let\@thanks\@empty
10754 \global\let\@author\@empty
10755 \global\let\@date\@empty
10756 \global\let\@title\@empty
10757 \global\let\title\relax
10758 \global\let\author\relax
10759 \global\let\date\relax
10760 \global\let\and\relax
10761 }
10762 \def\@maketitle{%
10763 \newpage
10764 \null
10765 \vskip 2em%
10766 \begin{center}%
10767 \let \footnote \thanks
10768 {\LARGE \@title \par}%
10769 \vskip 1.5em%
10770 {\large
10771 \lineskip .5em%
10772 \begin{tabular}[t]{c}%
10773 \@author
10774 \end{tabular}\par}%
10775 \vskip 1em%
10776 {\large \@date}%
10777 \end{center}%
10778 \par
10779 \vskip 1.5em}
10780 \fi
10781 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10782 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10783 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10784 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10785 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10786 \renewcommand\theequation{%
10787 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10788 \renewcommand\thefigure{%

```



```

10789 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
10790 \renewcommand\thetable{%
10791 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@table}

```

56 File fancybox-xetex-bidi.def

```

10792 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10793 \def\fancy@oval#1#2#3{%
10794 \boxmaxdepth \maxdimen
10795 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10796 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10797 \@ovxx#1\relax
10798 \advance\@ovxx-\@wholewidth
10799 \@ovyy#2\relax
10800 \advance\@ovyy-\@wholewidth
10801 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10802 \advance\@tempdimb-2\p@
10803 \ifdim\@tempdimb>\the@cornersize\relax
10804 \@tempdimb=\the@cornersize
10805 \fi
10806 \@getcirc\@tempdimb
10807 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10808 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10809 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10810 \@circlefnt
10811 \setbox\@tempboxa\hbox{\beginL%
10812 \if@ovr \@ovvert32\kern -\@tempdima \fi
10813 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10814 \if@ovt \@ovhorz \kern -\@ovxx \fi
10815 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10816 \advance\@ovdx\@ovro
10817 \advance\@ovdy\@ovro
10818 \advance\@ovxx\@wholewidth
10819 \wd\@tempboxa=\@ovxx
10820 \dp\@tempboxa=\z@}

```

57 File fancyhdr-xetex-bidi.def

```

10821 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
10822
10823 \let\f@nch@everypar\everypar
10824
10825 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10826 \f@nch@vbox\headheight{\hbox
10827 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10828 \parbox[b]{\headwidth}{\centering#3}\hfill
10829 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10830
10831 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10832 \f@nch@vbox\footskip{\footrule

```




```

10833 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10834 \parbox[t]{\headwidth}{\centering#3}\hfill
10835 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\#5}
10836

```

58 File fix2col-xetex-bidi.def

```

10837 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package for
10838 \def\RTL@outputdblcol{%
10839 \if@firstcolumn
10840 \global\@firstcolumnfalse
10841 \global\setbox\@leftcolumn\copy\@outputbox
10842 \splitmaxdepth\maxdimen
10843 \vbadness\maxdimen
10844 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10845 \toks@\expandafter{\topmark}%
10846 \xdef\@firstcoltopmark{\the\toks@}%
10847 \toks@\expandafter{\splitfirstmark}%
10848 \xdef\@firstcolfirstmark{\the\toks@}%
10849 \ifx\@firstcolfirstmark\@empty
10850 \global\let\@setmarks\relax
10851 \else
10852 \gdef\@setmarks{%
10853 \let\firstmark\@firstcolfirstmark
10854 \let\topmark\@firstcoltopmark}%
10855 \fi
10856 \else \global\@firstcolumntrue
10857 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10858 \hskip \columnwidth
10859 \hfil \vrule width\columnseprule \hfil
10860 \hbox to\columnwidth {%
10861 \bidi@firstcolumn@status@write%
10862 \box\@leftcolumn \hss}%
10863 \hskip -\textwidth
10864 \hbox to\columnwidth{%
10865 \bidi@lastcolumn@status@write%
10866 \box\@outputbox \hss}%
10867 \hskip \columnsep
10868 \hskip \columnwidth }}%
10869 \@combinedblfloats \@setmarks \@outputpage
10870 \begingroup \@dblfloatplacement \@startdblcolumn
10871 \@whiles\if@fcolmade \fi
10872 {\@outputpage \@startdblcolumn }\endgroup
10873 \fi}
10874 \def\LTR@outputdblcol{%
10875 \if@firstcolumn
10876 \global\@firstcolumnfalse
10877 \global\setbox\@leftcolumn\copy\@outputbox
10878 \splitmaxdepth\maxdimen
10879 \vbadness\maxdimen

```



```

10880 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10881 \toks@{\expandafter{\topmark}}%
10882 \xdef\@firstcoltopmark{\the\toks@}%
10883 \toks@{\expandafter{\splitfirstmark}}%
10884 \xdef\@firstcolfirstmark{\the\toks@}%
10885 \ifx\@firstcolfirstmark\@empty
10886 \global\let\@setmarks\relax
10887 \else
10888 \gdef\@setmarks{%
10889 \let\firstmark\@firstcolfirstmark
10890 \let\topmark\@firstcoltopmark}%
10891 \fi
10892 \else
10893 \global\@firstcolumntrue
10894 \setbox\@outputbox\vbox{%
10895 \hb@xt@\textwidth{%
10896 \hb@xt@\columnwidth{%
10897 \bidi@firstcolumn@status@write%
10898 \box\@leftcolumn \hss}%
10899 \hfil
10900 \vrule \@width\columnseprule
10901 \hfil
10902 \hb@xt@\columnwidth{%
10903 \bidi@lastcolumn@status@write%
10904 \box\@outputbox \hss}}}%
10905 \@combinedblfloats
10906 \setmarks
10907 \outputpage
10908 \begingroup
10909 \@dblfloatplacement
10910 \startdblcolumn
10911 \@whilesw\if@colmade \fi{\@outputpage\startdblcolumn}%
10912 \endgroup
10913 \fi}

```

59 File fleqn-xetex-bidi.def

```

10914 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
10915 \renewcommand\[{ \relax
10916 \ifmmode\@badmath
10917 \else
10918 \begin{trivlist}%
10919 \beginparpenalty\predisplaypenalty
10920 \endparpenalty\postdisplaypenalty
10921 \item[]\leavevmode
10922 \hb@xt@\linewidth\bggroup \beginL$m@th\displaystyle %$
10923 \hskip\mathindent\bggroup
10924 \fi}
10925 \renewcommand\]{ \relax
10926 \ifmmode

```



```

10927             \egroup $\hfil% $
10928             \endL\egroup
10929             \end{trivlist}%
10930             \else \@badmath
10931             \fi}
10932 \renewenvironment{equation}%
10933 {\@beginparpenalty\predisplaypenalty
10934  \endparpenalty\postdisplaypenalty
10935  \refstepcounter{equation}%
10936  \trivlist \item[]\leavevmode
10937   \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10938   \displaystyle
10939   \hskip\mathindent}%
10940   {$\hfil % $
10941   \displaywidth\linewidth\hbox{\@eqnnum}%
10942   \endL\egroup
10943   \endtrivlist}

```

60 File float-xetex-bidi.def

```

10944 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
10945 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10946 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10947 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10948 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10949   \expandafter\edef\csname the#1\endcsname{%
10950     \expandafter\noexpand\csname
10951       the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10952   {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

61 File floatrow-xetex-bidi.def

```

10953 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
10954 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10955   \expandafter\edef\csname theFB@captype\endcsname{%
10956     \expandafter\noexpand\csname
10957       the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}

```

62 File flowfram-xetex-bidi.def

```

10958 \ProvidesFile{flowfram-xetex-bidi.def}[2018/02/22 v0.3 bidi adaptations for flowfram package
10959 \def\@outputdblcol{%
10960   \c@nxtcol=\c@thisframe
10961   \c@curpg=\c@page
10962   \@g@tnextcol{\c@nxtcol}%
10963   \ifff@nwpg % next flow frame starts on new page
10964     \global\@firstcolumntrue
10965     \@setcolbox\c@thisframe
10966     \if@specialpage
10967       \global\@specialpagefalse

```



```

10968 \nameuse{ps@\@specialstyle}\relax
10969 \fi
10970 \if@twoside
10971 \ifodd\count\z@
10972 \let\@thehead\@oddhead
10973 \let\@thefoot\@oddfoot
10974 \else
10975 \let\@thehead\@evenhead
10976 \let\@thefoot\@evenfoot
10977 \fi
10978 \else
10979 \let\@thehead\@oddhead
10980 \let\@thefoot\@oddfoot
10981 \fi
10982 \@beginndvi
10983 \@dodynamicthehead\@dodynamicthefoot
10984 \vbadness=\@M
10985 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}%
10986 \@combinedblfloats
10987 \@outputpage
10988 \advance\c@curpg by -\c@page\relax
10989 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10990 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}%
10991 \@outputpage}
10992 \begingroup
10993 \@dblfloatplacement
10994 \@startdblcolumn
10995 \@whilesw \if@fcolmade \fi
10996 {\@outputpage \@startdblcolumn }\endgroup
10997 \@resetst@tics
10998 \@resetdyn@mics
10999 \else % still on same page, save contents of box255
11000 \global\@firstcolumnfalse
11001 \@setcolbox\c@thisframe
11002 \fi
11003 \global\c@thisframe=\@nxtcol
11004 \@setcol{\c@thisframe}\relax
11005 \global\@colht\vsz
11006 }
11007 \def\@outputpage{%
11008 \begingroup
11009 \let\protect\noexpand
11010 \@resetactivechars
11011 \global\let\@if@newlist\if@newlist
11012 \global\@newlistfalse\@parboxrestore
11013 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
11014 \bidi@beforeoutputpageshipouthook
11015 \shipout\vbox{\set@typeset@protect
11016 \aftergroup
11017 \endgroup

```



```

11018 \aftergroup
11019 \set@typeset@protect
11020 \reset@font\normalsize\normalsfcodes
11021 \let\label\@gobble
11022 \let\index\@gobble
11023 \let\glossary\@gobble
11024 \baselineskip\z@skip
11025 \lineskip\z@skip
11026 \lineskiplimit\z@
11027 \vskip\topmargin\moveright\@themargin
11028 \vbox{%
11029   \global\let\bidibeforeheader\@firstofone
11030   \bidibeforeheaderhook
11031   \vskip\headheight
11032   \vskip\headsep
11033   \global\let\bidibeforeoutputbox\@firstofone
11034   \bidibeforeoutputboxoutputpagehook
11035   \box\@outputbox
11036   \global\let\bidiafteroutputbox\@firstofone
11037   \bidiafteroutputboxoutputpagehook
11038   \ifvoid\@bidi@copyins@
11039   \else
11040     \vskip\skip\@bidi@copyins@
11041     \unvbox\@bidi@copyins@
11042   \fi
11043 }%
11044 \global\let\bidiafteroutputpageshipout\@firstofone
11045 \bidiafteroutputpageshipouthook
11046 \global\let\ifnewlist\@ifnewlist
11047 \stepcounter{page}%
11048 \setcounter{displayedframe}{0}%
11049 \let\firstmark\botmark
11050 \global\let\bidiatendoutputpage\@firstofone
11051 \bidiatendoutputpagehook
11052 }
11053
11054
11055 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
11056 \expandafter\bidicolor\ff@txtcol}}
11057
11058 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
11059 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
11060
11061
11062 \renewcommand*\@docolbox}[1]{%
11063 \edef\ff@frametype{%
11064   \csname @ff@frametype@\romannumeral#1\endcsname}%
11065 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
11066 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
11067 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%

```



```

11068 \off@setoffset{#1}%
11069 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
11070 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
11071 \off@fbox{\csname colwidth\romannumeral#1\endcsname}%
11072 {\csname colheight\romannumeral#1\endcsname}{%
11073 \expandafter\box\csname column\romannumeral#1\endcsname}{%
11074 \csname\ff@frametype\endcsname}%
11075 }{%
11076 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
11077 {\csname colheight\romannumeral#1\endcsname}{%
11078 \expandafter\box\csname column\romannumeral#1\endcsname}%
11079 }}}
11080 \ifclassloaded{book}{%
11081 \renewcommand\theequation
11082 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11083 \renewcommand \thefigure
11084 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11085 \renewcommand \thetable
11086 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11087 \renewcommand \thechapter {\@arabic\c@chapter}
11088 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11089 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11090 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11091 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11092 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11093 \ifclassloaded{report}{%
11094 \renewcommand\theequation
11095 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11096 \renewcommand \thefigure
11097 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11098 \renewcommand \thetable
11099 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11100 \renewcommand \thechapter {\@arabic\c@chapter}
11101 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11102 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11103 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11104 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11105 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11106 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
11107 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
11108 \else
11109 #2\relax
11110 \fi}

```

63 File footnote-xetex-bidi.def

```

11111 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11112 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11113 \newif\ifbidi@autofootnoterule
11114 \def\bidi@mpfootnoterule{\footnoterule}

```



```

11115 \newcounter{footdir@label}
11116 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
11117 \newcommand*{\footdir@write}{%
11118   \stepcounter{footdir@label}%
11119   \zref@labelbyprops{\thefootdir@label}{abspage}%
11120 }
11121 \newif\iffootdir@debug
11122 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11123 \newtoks\footdir@toks
11124 \newcommand*{\footdir@debug}[1]{%
11125   \iffootdir@debug
11126     \typeout{[footdir] #1}%
11127   \fi
11128 }
11129 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11130 %  \newcommand*{\footdir@LeftRightElse}{%
11131 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
11132 %      \footdir@debug{abspage \the\value{zabspage}: else}%
11133 %      \ltx@thirdofthree
11134 %    }{%
11135 %      \if\csname footdir@the\value{zabspage}\endcsname L%
11136 %        \footdir@debug{abspage \the\value{zabspage}: left}%
11137 %        \expandafter\ltx@firstofthree
11138 %      \else
11139 %        \footdir@debug{abspage \the\value{zabspage}: right}%
11140 %        \expandafter\ltx@secondofthree
11141 %      \fi
11142 %    }%
11143 %  }%
11144 %}{%
11145   \providecommand*{\c@zabspage}{\c@abspage}%
11146   \newcommand*{\footdir@LeftRightElse}{%
11147     \footdir@write
11148     \zifrefundefined{\thefootdir@label}{%
11149       \footdir@debug{abspage ??: else}%
11150       \ltx@thirdofthree
11151     }{%
11152       \edef\footdir@abspage{%
11153         \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11154       }%
11155       \ltx@ifundefined{footdir@\footdir@abspage}{%
11156         \footdir@debug{\footdir@abspage: else}%
11157         \ltx@thirdofthree
11158       }{%
11159         \if\csname footdir@\footdir@abspage\endcsname L%
11160           \footdir@debug{\footdir@abspage: left}%
11161           \expandafter\ltx@firstofthree
11162         \else
11163           \footdir@debug{\footdir@abspage: right}%
11164           \expandafter\ltx@secondofthree

```



```

11165         \fi
11166     }%
11167 }%
11168 }%
11169 %}
11170 \newcommand*{\footdir@fntext}[1]{%
11171     \zifrefundefined{\thefootdir@label}{%
11172     }{%
11173         \edef\footdir@name{%
11174             footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11175         }%
11176         \@ifundefined{\footdir@name}{%
11177             \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11178         }{%
11179         }%
11180 }
11181
11182 \newcommand*{\footdir@temp}[3]{%
11183     \@ifdefinable{#1}{%
11184         \let#1#2%
11185         \renewcommand{#2}[1]{%
11186             \footdir@write
11187             \footdir@fntext{#3}%
11188             \stepcounter{footdir@label}%
11189             \footdir@fntext{#3}%
11190             \footdir@toks{##1}%
11191             \footdir@toks\expandafter{%
11192                 \the\expandafter\footdir@toks
11193                 \expandafter
11194                 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
11195             }%
11196             \expandafter#1\expandafter{\the\footdir@toks}%
11197         }%
11198     }%
11199 }
11200
11201 \def\right@footnoterule{%
11202     \kern-3\p@
11203     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11204     \kern2.6\p@}
11205 \def\left@footnoterule{\kern-3\p@
11206     \hrule \@width .4\columnwidth \kern 2.6\p@}
11207 \def\textwidth@footnoterule{\kern-3\p@
11208     \hrule \@width \columnwidth \kern 2.6\p@}
11209 \def\leftfootnoterule{%
11210     \bidi@autofootnoterulefalse%
11211     \def\footnoterule{\left@footnoterule}}
11212 \let\LRfootnoterule=\leftfootnoterule
11213 \def\rightfootnoterule{%
11214     \bidi@autofootnoterulefalse%

```




```

11215 \def\footnoterule{\right@footnoterule}}
11216 \def\textwidthfootnoterule{%
11217 \bidi@autofootnoterulefalse%
11218 \def\footnoterule{\textwidth@footnoterule}}
11219
11220
11221
11222 \def\auto@footnoterule{%
11223 \footdir@LeftRightElse%
11224 \left@footnoterule%
11225 \right@footnoterule%
11226 \left@footnoterule%
11227 }
11228
11229
11230
11231 \def\autofootnoterule{%
11232 \bidi@autofootnoteruletrue%
11233 \def\footnoterule{\auto@footnoterule}%
11234 }
11235
11236 \newcommand*\SplitFootnoteRule{%
11237   \gdef\split@prev{0}
11238   \let\pagefootnoterule\footnoterule
11239   \let\mpfootnoterule\footnoterule
11240   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11241   \def\footnoterule{\relax
11242     \ifx \@listdepth\@mplistdepth
11243       \mpfootnoterule
11244     \else
11245       \ifnum\split@prev=\z@
11246         \pagefootnoterule
11247       \else
11248         \splitfootnoterule
11249       \fi
11250       \xdef\split@prev{\the\insertpenalties}%
11251     \fi
11252   }%
11253 }
11254
11255
11256
11257
11258 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11259   \protected@xdef\@thefnmark{\thempfn}%
11260   \@footnotemark\@RTLfootnotetext}}
11261 \def\@xRTLfootnote[#1]{%
11262   \begingroup
11263     \csname c@\@mpfn\endcsname #1\relax
11264     \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

11265 \endgroup
11266 \@footnotemark\@RTLfootnotetext}
11267 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11268     \protected@xdef\@thefnmark{\thempfn}%
11269     \@footnotemark\@LTRfootnotetext}}
11270 \def\@xLTRfootnote[#1]{%
11271     \begingroup
11272     \csname c@\@mpfn\endcsname #1\relax
11273     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11274     \endgroup
11275     \@footnotemark\@LTRfootnotetext}
11276
11277
11278 \def\setfootnoteRL{\@RTL@footnotetrue}
11279 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11280 \def\setfootnoteLR{\unsetfootnoteRL}
11281
11282 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
11283 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11284 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11285
11286 \long\def\@footnotetext#1{\insert\footins{%
11287     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11288     \reset@font%
11289     \bidi@footnotetext@font% \reset@font\footnotesize
11290     \interlinepenalty\interfootnotelinepenalty
11291     \splittopskip\footnotesep
11292     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11293     \hsize\columnwidth \@parboxrestore
11294     \protected@edef\@currentlabel{%
11295         \csname p@footnote\endcsname\@thefnmark
11296     }%
11297     \color@begingroup
11298     \@makefntext{%
11299         \rule{z@\footnotesep}{\ignorespaces#1\@finalstrut\strutbox}}%
11300     \color@endgroup}}%
11301
11302
11303 \long\def\@RTLfootnotetext#1{\insert\footins{%
11304     \@RTLtrue%
11305     \reset@font%
11306     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11307     \interlinepenalty\interfootnotelinepenalty
11308     \splittopskip\footnotesep
11309     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11310     \hsize\columnwidth \@parboxrestore
11311     \protected@edef\@currentlabel{%
11312         \csname p@footnote\endcsname\@thefnmark
11313     }%
11314     \color@begingroup

```



```

11315     \@makefnfntext{%
11316         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11317     \color@endgroup}}%
11318
11319 \long\def\@LTRfootnotetext#1{\insert\footins{%
11320     \@RTLfalse%
11321     \reset@font%
11322     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11323     \interlinepenalty\interfootnotelinepenalty
11324     \splittopskip\footnotesep
11325     \splitmaxdepth \dp\strutbox \floatingpenalty \MM
11326     \hsize\columnwidth \@parboxrestore
11327     \protected@edef\@currentlabel{%
11328         \csname p@footnote\endcsname\@thefnmark
11329     }%
11330     \color@begingroup
11331         \@makefnfntext{%
11332             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11333         \color@endgroup}}%
11334
11335 \AtBeginDocument{%
11336 \if@RTL@footnote
11337     \newcommand*{\bidi@footdir@footnote}{R}
11338 \else
11339     \newcommand*{\bidi@footdir@footnote}{L}
11340 \fi%
11341 }
11342
11343 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11344 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11345 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11346
11347 \long\def\@mpRTLfootnotetext#1{%
11348     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
11349     \global\setbox\@mpfootins\vbox{\@RTLtrue%
11350         \unvbox\@mpfootins
11351         \reset@font%
11352         \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11353         \hsize\columnwidth
11354         \@parboxrestore
11355         \protected@edef\@currentlabel
11356             {\csname p@mpfootnote\endcsname\@thefnmark}%
11357         \color@begingroup
11358             \@makefnfntext{%
11359                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11360             \color@endgroup}}
11361 \long\def\@mpLTRfootnotetext#1{%
11362     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
11363     \global\setbox\@mpfootins\vbox{\@RTLfalse%
11364         \unvbox\@mpfootins

```



```

11365 \reset@font%
11366 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11367 \hsize\columnwidth
11368 \@parboxrestore
11369 \protected@edef\@currentlabel
11370     {\csname p@mpfootnote\endcsname\@thefnmark}%
11371 \color@begingroup
11372     \@makefnfntext{%
11373         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11374     \color@endgroup}}
11375 \long\def\@mpfootnotetext#1{%
11376     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnoterule
11377     \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11378         \unvbox\@mpfootins
11379         \reset@font%
11380         \bidi@footnotetext@font% \reset@font\footnotesize
11381         \hsize\columnwidth
11382         \@parboxrestore
11383         \protected@edef\@currentlabel
11384             {\csname p@mpfootnote\endcsname\@thefnmark}%
11385         \color@begingroup
11386             \@makefnfntext{%
11387                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11388             \color@endgroup}}
11389 \def\@iiiminipage#1#2[#3]#4{%
11390     \leavevmode
11391     \@pboxswfalse
11392     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11393     \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11394     \setlength\@tempdima{#4}%
11395     \def\@mpargs{{#1}{#2}[#3]{#4}}%
11396     \setbox\@tempboxa\vbox\bgroup
11397         \color@begingroup
11398             \hsize\@tempdima
11399             \textwidth\hsize \columnwidth\hsize
11400             \@parboxrestore
11401             \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11402             \let\@footnotetext\@mpfootnotetext
11403             \let\@LTRfootnotetext\@mpLTRfootnotetext
11404             \let\@RTLfootnotetext\@mpRTLfootnotetext
11405             \let\@listdepth\@mplistdepth \@mplistdepth\z@
11406             \@minipagerestore
11407             \@setminipage}
11408 \def\endminipage{%
11409     \par
11410     \unskip
11411     \ifvoid\@mpfootins\else
11412         \vskip\skip\@mpfootins
11413         \normalcolor
11414         \bidi@mpfootnoterule

```



```

11415 \unvbox\@mpfootins
11416 \fi
11417 \@minipagefalse %% added 24 May 89
11418 \color@endgroup
11419 \egroup
11420 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11421 \def\LTRthanks#1{\footnotemark
11422 \protected@xdef\@thanks{\@thanks
11423 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11424 }
11425 \def\LTRfootnotetext{%
11426 \ifnextchar [\@xLTRfootnotenext
11427 {\protected@xdef\@thefnmark{\thempfn}%
11428 \@LTRfootnotetext}}
11429 \def\@xLTRfootnotenext[#1]{%
11430 \begingroup
11431 \csname c@\@mpfn\endcsname #1\relax
11432 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11433 \endgroup
11434 \@LTRfootnotetext}
11435 \def\RTLthanks#1{\footnotemark
11436 \protected@xdef\@thanks{\@thanks
11437 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11438 }
11439 \let\@thanks\@empty
11440 \def\RTLfootnotetext{%
11441 \ifnextchar [\@xRTLfootnotenext
11442 {\protected@xdef\@thefnmark{\thempfn}%
11443 \@RTLfootnotetext}}
11444 \def\@xRTLfootnotenext[#1]{%
11445 \begingroup
11446 \csname c@\@mpfn\endcsname #1\relax
11447 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11448 \endgroup
11449 \@RTLfootnotetext}
11450 \leftfootnoterule

```

64 File framed-xetex-bidi.def

```

11451 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for X
11452 \renewcommand\TitleBarFrame[3][\begingroup
11453 \ifx\delimiter#1\delimiter
11454 \let\TF@conlab\@empty
11455 \else
11456 \def\TF@conlab{% continuation label
11457 \nointerlineskip
11458 \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
11459 \fi
11460 \let\TF@savecolor\current@color
11461 \textcolor{TFFrameColor}{%

```



```

11462 \CustomFBox
11463   {\TF@Title{#2}}{\TF@conlab}%
11464   \fboxrule\fboxrule\fboxrule\fboxrule
11465   {%\let\current@color\TF@savecolor\set@color #3}%
11466   {\normalcolor #3}%
11467 } \endgroup
11468 }
11469 \renewenvironment{titled-frame}[1]{%
11470   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
11471     \TitleBarFrame{\textbf{#1}}}%
11472   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
11473     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
11474   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
11475     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont}
11476   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
11477     \TitleBarFrame{\textbf{#1\ (cont)}}}%
11478   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11479 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11480 % could interfere with the width measurement.
11481 {\endMakeFramed}
11482 \chardef\FrameRestore=\catcode`\| % for debug
11483 \catcode`\|=\catcode`\% (debug: insert space after backslash)
11484 \def\fb@put@frame#1#2{\relax
11485   \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
11486   \message{===== Entering putframe =====^~J
11487   | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
11488   \ifinner
11489     \fb@putboxa#1%
11490     \fb@afterframe
11491   \else
11492     \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11493     \ifdim\dimen@<2\baselineskip % Too little room on page
11494     | \message{Page has only \the\dimen@\space room left; eject. }%
11495     | \eject \fb@adjheight \fb@put@frame#1#2%
11496     \else % there's appreciable room left on the page
11497       \fb@sizeofframe#1%
11498       \message{\string\pagetotal=\the\pagetotal,
11499         \string\pagegoal=\the\pagegoal,
11500         \string\pagestretch=\the\pagestretch,
11501         \string\pageshrink=\the\pageshrink,
11502         \string\fb@frh=\the\fb@frh. \space}
11503       \message{^^JBox of size \the\ht@tempboxa\space}%
11504       \begingroup % temporarily set \dimen@ to be...
11505       \advance\dimen@.8\pageshrink % maximum space available on page
11506       \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11507 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11508       \expandafter\endgroup
11509       % expand \ifdim, then restore \dimen@ to real room left on page
11510       \ifdim\dimen@>\ht@tempboxa % whole box does fit
11511       | \message{fits in \the\dimen@. }%

```



```

11512      % ToDo: Change this to use vsplit anyway to capture the marks
11513      % MERGE THIS WITH THE else CLAUSE!!!
11514      \fb@putboxa#1%
11515      \fb@afterframe
11516 \else % box must be split
11517 |   \message{must be split to fit in \the\dimen@. }%
11518   % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11519   \fb@sizeofframe#2%
11520   \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11521     \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11522     \kern137sp\kern-137sp\penalty-30
11523     \unvbox\@tempboxa}%
11524   \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11525     \splittopskip\the\splittopskip}%
11526   \boxmaxdepth\z@ \splittopskip\z@
11527 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11528   % Split box here
11529   \setbox\tw@vsplit\@tempboxa to\dimen@
11530 |   \toks99\expandafter{\splitfirstmark}%
11531 |   \toks98\expandafter{\splitbotmark}%
11532 |   \message{Marks are: \the\toks99, \the\toks98. }%
11533   \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11534 |   \message{Natural height of split box is \the\ht\tw@, leaving
11535 |     \the\ht\@tempboxa\space remainder. }%
11536   % If the split-to size > (\vsize-\topskip), then set box to full size.
11537   \begingroup
11538   \advance\dimen@\topskip
11539   \expandafter\endgroup
11540   \ifdim\dimen@>\pagegoal
11541 |     \message{Frame is big -- Use up the full column. }%
11542     \dimen@ii\pagegoal
11543     \advance\dimen@ii -\topskip
11544     \advance\dimen@ii \FrameHeightAdjust\relax
11545   \else % suspect this is implemented incorrectly:
11546     % If the split-to size > feasible room_on_page, rebox it smaller.
11547     \advance\dimen@.8\pageshrink
11548     \ifdim\ht\tw@>\dimen@
11549 |       \message{Box too tall; rebox it to \the\dimen@. }%
11550       \dimen@ii\dimen@
11551     \else % use natural size
11552       \dimen@ii\ht\tw@
11553     \fi
11554   \fi
11555   % Re-box contents to desired size \dimen@ii
11556   \advance\dimen@ii -\fb@frh
11557   \setbox\tw@\vbox to\dimen@ii \bgroup
11558   % remove simulated frame and page flexibility:
11559   \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11560   \unvbox\tw@ \unpenalty\unpenalty
11561   \ifdim\lastkern=-137sp % whole box went to next page

```



```

11562 |      \message{box split at beginning! }%
11563      % need work here???
11564      \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11565      \fb@adjheight
11566      \fb@put@frame#1#2% INSERTED ???
11567      \else % Got material split off at the head
11568      \egroup \fb@resto@set
11569      \ifvoid\@tempboxa % it all fit after all
11570 |      \message{box split at end! }%
11571      \setbox\@tempboxa\box\tw@
11572      \fb@putboxa#1%
11573      \fb@afterframe
11574      \else % it really did split
11575 |      \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11576      \ifdim\wd\tw@>\z@
11577      \wd\tw@\wd\@tempboxa
11578      \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11579      \else
11580 |      \message{Zero width means likely blank. Don't frame it (guess)}%
11581      \box\tw@
11582      \fi
11583      \hrule \@height\z@ \@width\hsize
11584      \eject
11585      \fb@adjheight
11586      \fb@put@frame\LastFrameCommand\MidFrameCommand
11587      \fi\fi\fi\fi\fi
11588 }
11589 \def\fb@putboxa#1{%
11590   \ifvoid\@tempboxa
11591     \PackageWarning{framed}{Boxa is void -- discard it. }%
11592   \else
11593 |     \message{Frame and place boxa. }%
11594 |     %{\showoutput\showbox\@tempboxa}%
11595     \centerline{#1{\hboxL{\box\@tempboxa}}}%
11596   \fi
11597 }
11598 \catcode`\|=\FrameRestore
11599 \def\FrameRestore{%
11600   \let\if@nbreak\iffalse
11601   \let\if@noskipsec\iffalse
11602   \let\-\@dischyph
11603   \let'\@acci\let'\@accii\let\=\@acciii
11604   % \message{FrameRestore:
11605   %   \@totalleftmargin=\the \@totalleftmargin,
11606   %   \rightmargin=\the\rightmargin,
11607   %   \@listdepth=\the\@listdepth. }%
11608   % Test if we are in a list (or list-like paragraph)
11609   \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11610     \ifdim\rightmargin>\z@ 1\fi
11611     \ifnum\@listdepth>\z@ 1\fi 0>\z@

```




```

11612 % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11613 % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11614 % \labelwidth=\the\labelwidth. }%
11615 \@setminipage % snug fit around the item
11616 % Now try to propagate changes of width from \hsize to list parameters.
11617 % This is deficient, but a more advanced way to indicate modification to text
11618 % dimensions is not (yet) provided; in particular, no separate left/right
11619 % adjustment.
11620 \advance\linewidth-\columnwidth \advance\linewidth\hsize
11621 \parshape\@ne \@totalleftmargin \linewidth
11622 \else % Not in list
11623 \linewidth=\hsize
11624 %\message{No list, set \string\linewidth=\the\hsize. }%
11625 \fi
11626 \sloppy
11627 }

```

65 File ftnright-xetex-bidi.def

```

11628 \ProvidesFile{ftnright-xetex-bidi.def}[2017/05/06 v0.5 bidi adaptations for ftnright package]
11629
11630 \def\LTR@outputdblcol{%
11631 \if@firstcolumn
11632 \global\@firstcolumnfalse
11633 \global\setbox\@leftcolumn\copy\@outputbox
11634 \global\count\footins\@m
11635 \global\skip\footins\rcol\footinsskip
11636 \splitmaxdepth\maxdimen
11637 \vbadness\maxdimen
11638 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11639 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11640 \toks@\expandafter{\topmark}%
11641 \xdef\@firstcoltopmark{\the\toks@}%
11642 \toks@\expandafter{\splitfirstmark}%
11643 \xdef\@firstcolfirstmark{\the\toks@}%
11644 \ifx\@firstcolfirstmark\@empty
11645 \global\let\@setmarks\relax
11646 \else
11647 \gdef\@setmarks{%
11648 \let\firstmark\@firstcolfirstmark
11649 \let\topmark\@firstcoltopmark}%
11650 \fi
11651 \else
11652 \preparefootins
11653 \global\@firstcolumntrue
11654 \setbox\@outputbox\vbox{%
11655 \hb@xt@\textwidth{%
11656 \hb@xt@\columnwidth{%
11657 \bidi@firstcolumn@status@write%
11658 \box\@leftcolumn \hss}%

```



```

11659      \hfil
11660      {\normalcolor\vrule \@width\columnseprule}%
11661      \hfil
11662      \hb@xt@\columnwidth{%
11663      \bidi@lastcolumn@status@write%
11664      \box\@outputbox \hss}}}%
11665 \@combinedblfloats
11666   \setmarks
11667   \@outputpage
11668   \begingroup
11669     \dblfloatplacement
11670     \@startdblcolumn
11671     \@whilesw\if@fcolmade \fi{\@outputpage
11672     \@startdblcolumn}%
11673   \endgroup
11674 \fi}%
11675
11676
11677
11678 \def\RTL@outputdblcol{%
11679   \if@firstcolumn
11680     \global\@firstcolumnfalse
11681     \global\setbox\@leftcolumn\copy\@outputbox
11682     \global\count\footins\@m
11683     \global\skip\footins\rcol@footinsskip
11684     \splitmaxdepth\maxdimen
11685     \vbadness\maxdimen
11686     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11687     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11688     \toks@\expandafter{\topmark}%
11689     \xdef\@firstcoltopmark{\the\toks@}%
11690     \toks@\expandafter{\splitfirstmark}%
11691     \xdef\@firstcolfirstmark{\the\toks@}%
11692     \ifx\@firstcolfirstmark\@empty
11693       \global\let\@setmarks\relax
11694     \else
11695       \gdef\@setmarks{%
11696         \let\firstmark\@firstcolfirstmark
11697         \let\topmark\@firstcoltopmark}%
11698     \fi
11699   \else
11700     \preparefootins
11701     \global\@firstcolumntrue
11702     \setbox\@outputbox\vbox{%
11703       \hb@xt@\textwidth{%
11704         \hskip \columnwidth
11705         \hfil
11706         {\normalcolor\vrule \@width\columnseprule}%
11707         \hfil
11708         \hb@xt@\columnwidth{%

```



```

11709      \bidi@firstcolumn@status@write%
11710      \box\@leftcolumn \hss}%
11711      \hskip -\textwidth
11712      \hb@xt@\columnwidth{%
11713      \bidi@lastcolumn@status@write%
11714      \box\@outputbox \hss}%
11715      \hskip \columnsep
11716      \hskip \columnwidth }}%
11717 \@combinedblfloats
11718   \@setmarks
11719   \@outputpage
11720   \begin@group
11721   \@dblfloatplacement
11722   \@startdblcolumn
11723   \@whilesw@if@fcolmade \fi{\@outputpage
11724   \@startdblcolumn}%
11725   \endgroup
11726 \fi}%
11727
11728
11729
11730 \let\leftfootnoterule\@empty
11731 \let\rightfootnoterule\@empty
11732 \let\textwidthfootnoterule\@empty
11733 \let\autofootnoterule\@empty
11734 \let\footnoterule\@empty
11735 \long\def\@makefnmark#1{\parindent 1em
11736   \noindent\hbox to 2em{%
11737     \llap{\@thefnmark\hbox{.}\,.\,}\#1}

```

66 File graphicx-xetex-bidi.def

```

11738 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
11739 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
11740   \Grot@setangle{#1}%
11741   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
11742   \Grot@x\z@
11743   \Grot@y\z@
11744   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11745 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11746   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11747   \Grot@x\width \divide\Grot@x\tw@
11748   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11749   \setkeys{Grot}{#1}%
11750   \setbox\z@\box\@tempboxa
11751   \Grot@setangle{#2}%
11752   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
11753   \@end@tempboxa}
11754 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11755   \leavevmode

```



```

11756 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11757 \setbox\z@\hbox{{#3}}%
11758 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11759 \ifdim#2\p<\z@
11760   \ht\tw@-#2\dp\z@
11761   \dp\tw@-#2\ht\z@
11762 \else
11763   \ht\tw@#2\ht\z@
11764   \dp\tw@#2\dp\z@
11765 \fi
11766 \ifdim#1\p<\z@
11767   \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11768 \else
11769   \wd\tw@#1\wd\z@
11770   \box\tw@
11771 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11772 \def\Gin@iii[#1,#2][#3,#4]#5{%
11773   \begingroup
11774   \ifmmode\else\if@RTL\beginL\fi\fi
11775   \Gin@bboxtrue
11776   \Gin@defaultbp\Gin@llx{#1}%
11777   \Gin@defaultbp\Gin@lly{#2}%
11778   \Gin@defaultbp\Gin@urx{#3}%
11779   \Gin@defaultbp\Gin@ury{#4}%
11780   \Gin@include@graphics{#5}%
11781   \ifmmode\else\if@RTL\endL\fi\fi
11782   \endgroup}
11783 \def\Gin@ii[#1]#2{%
11784   \def\@tempa{[]}\def\@tempb{#2}%
11785   \ifx\@tempa\@tempb
11786     \def\@tempa{\Gin@iii[#1] []}%
11787     \expandafter\@tempa
11788   \else
11789     \begingroup
11790     \ifmmode\else\if@RTL\beginL\fi\fi
11791     \@tempswafalse
11792     \toks@{\Gin@include@graphics{#2}}%
11793     \setkeys{Gin}{#1}%
11794     \Gin@esetsize
11795     \the\toks@
11796     \ifmmode\else\if@RTL\endL\fi\fi
11797     \endgroup
11798   \fi}
11799 \def\reflectbox{\bidiGscale@box-1[1]}
11800 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11801   \leavevmode
11802   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11803   \setbox\z@\hbox{{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}}%
11804   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11805   \ifdim#2\p<\z@

```



```

11806 \ht\tw@-#2\dp\z@
11807 \dp\tw@-#2\ht\z@
11808 \else
11809 \ht\tw@#2\ht\z@
11810 \dp\tw@#2\dp\z@
11811 \fi
11812 \ifdim#1\p<\z@
11813 \hb\xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11814 \else
11815 \wd\tw@#1\wd\z@
11816 \box\tw@
11817 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11818 \def\scalebox#1{%
11819 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
11820 \def\resizebox{%
11821 \leavevmode
11822 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11823 \def\bidiGscale@@box#1#2#3{%
11824 \let\@tempa\Gin@exclamation
11825 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11826 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11827 \ifx\@tempb\@tempa
11828 \ifx\@tempc\@tempa
11829 \toks@{\mbox}%
11830 \else
11831 \toks@{\bidiGscale@box@dd{#3}#1}%
11832 \fi
11833 \else
11834 \ifx\@tempc\@tempa
11835 \toks@{\bidiGscale@box@dd{#2}\width}%
11836 \else
11837 \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
11838 \fi
11839 \fi
11840 \the\toks@}
11841 \long\def\bidiGscale@box@dd#1#2#3{%
11842 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11843 \setlength\@tempdima{#1}%
11844 \setlength\@tempdimb{#2}%
11845 \Gscale@div\@tempa\@tempdima\@tempdimb
11846 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11847 \@end@tempboxa}
11848 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
11849 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
11850 \setlength\@tempdima{#1}%
11851 \setlength\@tempdimb{#2}%
11852 \Gscale@div\@tempa\@tempdima\@tempdimb
11853 \setlength\@tempdima{#3}%
11854 \setlength\@tempdimb{#4}%
11855 \Gscale@div\@tempb\@tempdima\@tempdimb

```



```

11856 \ifGin@iso
11857 \ifdim\@tempa\p@>\@tempb\p@
11858 \let\@tempa\@tempb
11859 \else
11860 \let\@tempb\@tempa
11861 \fi
11862 \fi
11863 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11864 \@end@tempboxa}

```

67 File geometry-xetex-bidi.def

```

11865 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
11866 \renewcommand*{\Gm@vrules@mpi}{%
11867 \ifRTLmain%
11868 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11869 \llap{\Gm@vrule}\ignorespaces
11870 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11871 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11872 \else%
11873 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11874 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11875 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11876 \renewcommand*{\Gm@vrules@mpii}{%
11877 \ifRTLmain%
11878 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11879 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11880 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11881 \else%
11882 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11883 \llap{\Gm@vrule}\ignorespaces
11884 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11885 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11886 \bidi@patchcmd{\Gm@pageframes}{%
11887 \ifodd\count\z@
11888 \let\@themargin\oddsidemargin
11889 \else
11890 \let\@themargin\evensidemargin
11891 \fi
11892 }{%
11893 \ifodd\count\z@
11894 \ifRTLmain
11895 \let\@themargin\evensidemargin
11896 \else
11897 \let\@themargin\oddsidemargin
11898 \fi
11899 \else
11900 \ifRTLmain
11901 \let\@themargin\oddsidemargin
11902 \else

```



```

11903         \let\@themargin\evensidemargin
11904     \fi
11905 \fi
11906 }{}{}

```

68 File hvfloat-xetex-bidi.def

```

11907 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11908 \def\do@hvFloat[#1]#2#3{%
11909 \def\hv@shortCap{#1}
11910 \def\hv@longCap{#2}
11911 \def\hv@label{#3}
11912 %\newcommand*{\hvFloat}[5][]{%
11913 % #1: keyvalues
11914 % #2: type figure | table | ...
11915 % #3: float contents
11916 % #4: short caption
11917 % #5: caption
11918 % #6: label
11919 % \setDefaults%
11920 % \def\@tempa{#1}%
11921 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11922 \def\@tempa{90}%
11923 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11924 \else \setlength{\hvMaxCapWidth}{\linewidth}
11925 \fi
11926 %
11927 % First we save the object in \hvObjectBox
11928 %
11929 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11930 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11931 \else
11932 \savebox{\hvObjectBox}{%
11933 \rotatebox{\hvSet@objectAngle}{%
11934 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11935 \fi
11936 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11937 %
11938 % Now we save the caption with its defined \hvCapWidth
11939 %
11940 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11941 \else
11942 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11943 \else
11944 \setlength{\hvCapWidth}{\hvObjectWidth}
11945 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11946 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11947 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11948 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11949 \else

```



```

11950 \setlength{\hvCapWidth}{\hvMaxCapWidth}
11951     \fi
11952     \fi
11953 \fi
11954 %
11955 % now we have the object and the caption with the right
11956 % rotated angles saved in boxes
11957 %
11958 \def\fps@figure{\hvSet@floatPos}
11959 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11960 \else          \begin{\hv@floatType}% Start the floating environment
11961 \fi%
11962 \saveCaptionSkip% we put this space ourselves
11963 \ifx\hvSet@capAngle\hv@Width % need rotation?
11964     \sbox{\hvCaptionBox}{%
11965         \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11966         \ifhv@nonFloat%
11967 \ifhv@onlyText#2%
11968         \else%
11969         \ifx\hv@floatType\hv@figure
11970             \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11971         \else
11972             \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11973         \fi
11974         \fi
11975 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11976 \fi%
11977 \label{#3}%
11978     \end{minipage}%
11979     }%
11980 \else%
11981     \sbox{\hvCaptionBox}{%
11982         \rotatebox{\hvSet@capAngle}{%
11983             \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11984 \ifhv@nonFloat%
11985         \ifhv@onlyText#2%
11986         \else%
11987         \ifx\hv@floatType\hv@figure
11988             \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11989         \else
11990             \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11991         \fi
11992         \fi
11993 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11994 \fi%
11995     \label{#3}%
11996     \end{minipage}%
11997     }%
11998     }%
11999 \fi%

```




```

12000 %%
12001 \restoreCaptionSkip% save old values
12002 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
12003 \else%
12004 \ifx\hvSet@objectPos\hv@Center
12005 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
12006 \fi%
12007 \fi%
12008 %
12009 % to rotate object and caption together, we save all in another box
12010 % the caption comes first, if its on the left or the top
12011 %
12012 \savebox{\@tempboxa}{%
12013 \ifx\hvSet@capPos\hv@Left % caption on left side
12014 \if@RTL%
12015 \ifx\hvSet@capVPos\hv@Center%
12016 \ifhv@fbox
12017 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12018 \else
12019 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12020 \fi%
12021 \hspace{\hvSet@floatCapSep pt}%
12022 \ifhv@fbox
12023 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12024 \else
12025 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12026 \fi%
12027 \else%
12028 \ifx\hvSet@capVPos\hv@Top
12029 \ifhv@fbox
12030 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12031 \else
12032 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12033 \fi%
12034 \hspace{\hvSet@floatCapSep pt}%
12035 \ifhv@fbox
12036 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12037 \else
12038 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12039 \fi
12040 \else
12041 \ifhv@fbox
12042 \fbox{\usebox{\hvObjectBox}}%
12043 \else
12044 \usebox{\hvObjectBox}%
12045 \fi
12046 \hspace{\hvSet@floatCapSep pt}%
12047 \ifhv@fbox
12048 \fbox{\usebox{\hvCaptionBox}}%
12049 \else

```



```

12050 \usebox{\hvCaptionBox}%
12051 \fi%
12052 \fi%
12053 \fi%
12054 \else% not RTL
12055   \ifx\hvSet@capVPos\hv@Center%
12056     \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12057     \else      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12058     \fi%
12059     \hspace{\hvSet@floatCapSep pt}% capfloatsep
12060     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12061     \else      \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12062     \fi%
12063   \else%
12064     \ifx\hvSet@capVPos\hv@Top % caption at top
12065       \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12066       \else      \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12067       \fi
12068       \hspace{\hvSet@floatCapSep pt}% capfloatsep
12069       \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
12070       \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
12071       \fi%
12072     \else% caption on bottom
12073       \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
12074       \else\usebox{\hvCaptionBox}
12075       \fi%
12076       \hspace{\hvSet@floatCapSep pt}%
12077       \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
12078       \else      \usebox{\hvObjectBox}
12079       \fi%
12080     \fi%
12081 \fi% end of RTL
12082 \fi%
12083 \else
12084 \ifx\hvSet@capPos\hv@Top
12085 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12086 \begin{minipage}{\wd\hvCaptionBox}
12087 \else
12088 \begin{minipage}{\wd\hvObjectBox}
12089 \fi
12090 \centering
12091 \ifhv@fbox
12092 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
12093 \fbbox{\usebox{\hvObjectBox}}
12094 \else
12095 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
12096 \usebox{\hvObjectBox}
12097 \fi%
12098 \end{minipage}
12099 \else

```



```

12100 \ifx\hvSet@capPos\hv@Bottom
12101 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12102 \begin{minipage}{\wd\hvCaptionBox}
12103 \else
12104 \begin{minipage}{\wd\hvObjectBox}
12105 \fi
12106 \centering
12107 \ifhv@fbox
12108 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
12109 \fbox{\usebox{\hvCaptionBox}}
12110 \else
12111 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12112 \usebox{\hvCaptionBox}
12113 \fi%
12114 \end{minipage}
12115 \else% the last option: put the caption on the right
12116 \if@RTL%
12117 \ifx\hvSet@capVPos\hv@Center%
12118 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12119 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12120 \fi%
12121 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12122 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12123 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12124 \fi%
12125 \else%
12126 \ifx\hvSet@capVPos\hv@Top % caption at top
12127 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12128 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12129 \fi
12130 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12131 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12132 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12133 \fi%
12134 \else% caption on bottom
12135 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12136 \else\usebox{\hvCaptionBox}
12137 \fi%
12138 \hspace{\hvSet@floatCapSep pt}%
12139 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12140 \else \usebox{\hvObjectBox}
12141 \fi%
12142 \fi%
12143 \fi%
12144 \else% not RTL
12145 \ifx\hvSet@capVPos\hv@Center%
12146 \ifhv@fbox
12147 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12148 \else
12149 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}

```



```

12150 \fi%
12151 \hspace{\hvSet@floatCapSep pt}%
12152 \ifhv@fbox
12153 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12154 \else
12155 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12156 \fi%
12157 \else%
12158 \ifx\hvSet@capVPos\hv@Top
12159 \ifhv@fbox
12160 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12161 \else
12162 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12163 \fi%
12164 \hspace{\hvSet@floatCapSep pt}%
12165 \ifhv@fbox
12166 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12167 \else
12168 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12169 \fi
12170 \else
12171 \ifhv@fbox
12172 \fbox{\usebox{\hvObjectBox}}%
12173 \else
12174 \usebox{\hvObjectBox}%
12175 \fi
12176 \hspace{\hvSet@floatCapSep pt}%
12177 \ifhv@fbox
12178 \fbox{\usebox{\hvCaptionBox}}%
12179 \else
12180 \usebox{\hvCaptionBox}%
12181 \fi%
12182 \fi%
12183 \fi
12184 \fi% end of RTL
12185 \fi
12186 \fi
12187 \fi
12188 }% End savebox Object and caption
12189 %
12190 % now we rotate the object and caption, if needed
12191 %
12192 \ifx\hvSet@rotAngle\hv@Zero
12193 \usebox{\@tempboxa}
12194 \else
12195 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12196 \fi
12197 \ifhv@nonFloat
12198 \ifx\hvSet@objectPos\hv@Center
12199 \ifhv@nonFloat

```



```

12200 \hspace{\fill}
12201 \fi
12202 \fi
12203 \endgroup% End the nonfloat part
12204 \else
12205 \end{\hv@floatType}% End the floating environment
12206 \fi
12207 }

```

69 File hyperref-xetex-bidi.def

```

12208 \ProvidesFile{hyperref-xetex-bidi.def}[2017/08/09 v1.0 bidi adaptations for hyperref package]
12209 \AtBeginDocument{%
12210 \def\contentsline#1#2#3#4{%
12211   \ifx\#4\%
12212     \csname l@#1\endcsname{#2}{#3}%
12213   \else
12214     \ifcase\Hy@linktoc % none
12215       \csname l@#1\endcsname{#2}{#3}%
12216     \or % section
12217       \csname l@#1\endcsname{%
12218         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12219       }{#3}%
12220     \or % page
12221       \csname l@#1\endcsname{{#2}}{%
12222         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12223       }%
12224     \else % all
12225       \csname l@#1\endcsname{%
12226         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12227       }{%
12228         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12229       }%
12230     \fi
12231   \fi
12232 }
12233 \ifHy@hyperfootnotes
12234   \let\H@@footnotetext\@footnotetext
12235   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12236   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12237   \def\@xfootnotenext[#1]{%
12238     \begingroup
12239       \csname c@\@mpfn\endcsname #1\relax
12240       \unrestored@protected@xdef\@thefnmark{\thempfn}%
12241     \endgroup
12242     \ifx\@footnotetext\@mpfootnotetext
12243       \expandafter\H@@mpfootnotetext
12244     \else
12245       \expandafter\H@@footnotetext
12246     \fi

```



```

12247 }%
12248 \def\xRTLfootnotenext[#1]{%
12249 \begingroup
12250 \csname c@\@mpfn\endcsname #1\relax
12251 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12252 \endgroup
12253 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12254 \expandafter\HRTL@mpRTLfootnotetext
12255 \else
12256 \expandafter\HRTL@RTLfootnotetext
12257 \fi
12258 }%
12259 \def\xLTRfootnotenext[#1]{%
12260 \begingroup
12261 \csname c@\@mpfn\endcsname #1\relax
12262 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12263 \endgroup
12264 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12265 \expandafter\HLTR@mpLTRfootnotetext
12266 \else
12267 \expandafter\HLTR@LTRfootnotetext
12268 \fi
12269 }%
12270 \def\xfootnotemark[#1]{%
12271 \begingroup
12272 \c@footnote #1\relax
12273 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12274 \endgroup
12275 \H@@footnotemark
12276 }%
12277 \let\H@mpfootnotetext\@mpfootnotetext
12278 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
12279 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
12280 \long\def\@mpfootnotetext#1{%
12281 \H@mpfootnotetext{%
12282 \ifHy@nesting
12283 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12284 \else
12285 \Hy@raisedlink{%
12286 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12287 }#1%
12288 \fi
12289 }%
12290 }%
12291 \long\def\@mpRTLfootnotetext#1{%
12292 \HRTL@mpRTLfootnotetext{%
12293 \ifHy@nesting
12294 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12295 \else
12296 \Hy@raisedlink{%

```



```

12297         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12298     }#1%
12299     \fi
12300 }%
12301 }%
12302 \long\def\@mpLTRfootnotetext#1{%
12303 \HLTR@mpLTRfootnotetext{%
12304     \ifHy@nesting
12305         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12306     \else
12307         \Hy@raisedlink{%
12308             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12309         }#1%
12310     \fi
12311 }%
12312 }%
12313 \long\def\@footnotetext#1{%
12314 \H@@footnotetext{%
12315     \ifHy@nesting
12316         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12317     \else
12318         \Hy@raisedlink{%
12319             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12320         }%
12321         \let\@currentHlabel\Hy@footnote@currentHlabel
12322         \let\@currentHref\Hy@footnote@currentHref
12323         \let\@currentlabelname\@empty
12324         #1%
12325     \fi
12326 }%
12327 }%
12328 \long\def\@RTLfootnotetext#1{%
12329 \HRTL@RTLfootnotetext{%
12330     \ifHy@nesting
12331         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12332     \else
12333         \Hy@raisedlink{%
12334             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12335         }%
12336         \let\@currentHlabel\Hy@footnote@currentHlabel
12337         \let\@currentHref\Hy@footnote@currentHref
12338         \let\@currentlabelname\@empty
12339         #1%
12340     \fi
12341 }%
12342 }%
12343 \long\def\@LTRfootnotetext#1{%
12344 \HLTR@LTRfootnotetext{%
12345     \ifHy@nesting
12346         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%

```



```

12347 \else
12348 \Hy@raisedlink{%
12349 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12350 }%
12351 \let\@currentHlabel\Hy@footnote@currentHlabel
12352 \let\@currentHref\Hy@footnote@currentHref
12353 \let\@currentlabelname\@empty
12354 #1%
12355 \fi
12356 }%
12357 }%
12358 \@ifpackageloaded{tabularx}{%
12359 \let\HyOrg@TX@endtabularx\TX@endtabularx
12360 \def\Hy@tabularx@hook{%
12361 \let\@footnotetext\H@@footnotetext
12362 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12363 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12364 \let\@footnotemark\H@@footnotemark
12365 \let\@mpfootnotetext\H@@mpfootnotetext
12366 \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
12367 \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
12368 }%
12369 \begingroup
12370 \toks@\expandafter{\TX@endtabularx}%
12371 \xdef\Hy@gtemp{%
12372 \noexpand\Hy@tabularx@hook
12373 \the\toks@
12374 }%
12375 \endgroup
12376 \let\TX@endtabularx\Hy@gtemp
12377 }{}%
12378 \@ifpackageloaded{longtable}{%
12379 \CheckCommand*{\LT@p@LTRfnttext}[1]{%
12380 \edef\@tempa{%
12381 \the\LT@p@ftn
12382 \noexpand\LTRfootnotetext[\the\c@footnote]}%
12383 }%
12384 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12385 }%
12386 \long\def\LT@p@LTRfnttext#1{%
12387 \edef\@tempa{%
12388 \the\LT@p@ftn
12389 \begingroup
12390 \noexpand\c@footnote=\the\c@footnote\relax
12391 \noexpand\protected\xdef\noexpand\@thefnmark{%
12392 \noexpand\thempfn
12393 }%
12394 \noexpand\Hy@LT@LTRfootnotetext{%
12395 \Hy@footnote@currentHref
12396 }%

```




```

12397 }%
12398 \global\LT@p@ftn\expandafter{%
12399 \@tempa{#1}%
12400 \endgroup
12401 }%
12402 }%
12403 \long\def\Hy@LT@LTRfootnotetext#1#2{%
12404 \HLTR@@LTRfootnotetext{%
12405 \ifHy@nesting
12406 \hyper@@anchor{#1}{#2}%
12407 \else
12408 \Hy@raisedlink{%
12409 \hyper@@anchor{#1}{\relax}%
12410 }%
12411 \def\@currentHref{#1}%
12412 \let\@currentlabelname\@empty
12413 #2%
12414 \fi
12415 }%
12416 }%
12417 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12418 \edef\@tempa{%
12419 \the\LT@p@ftn
12420 \noexpand\RTLfootnotetext[\the\c@footnote]%
12421 }%
12422 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12423 }%
12424 \long\def\LT@p@RTLftntext#1{%
12425 \edef\@tempa{%
12426 \the\LT@p@ftn
12427 \begingroup
12428 \noexpand\c@footnote=\the\c@footnote\relax
12429 \noexpand\protected@xdef\noexpand\@thefnmark{%
12430 \noexpand\thempfn
12431 }%
12432 \noexpand\Hy@LT@RTLfootnotetext{%
12433 \Hy@footnote@currentHref
12434 }%
12435 }%
12436 \global\LT@p@ftn\expandafter{%
12437 \@tempa{#1}%
12438 \endgroup
12439 }%
12440 }%
12441 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12442 \HRTL@@RTLfootnotetext{%
12443 \ifHy@nesting
12444 \hyper@@anchor{#1}{#2}%
12445 \else
12446 \Hy@raisedlink{%

```



```

12447         \hyper@@anchor{#1}{\relax}%
12448     }%
12449     \def\@currentHref{#1}%
12450     \let\@currentlabelname\@empty
12451     #2%
12452 \fi
12453 }%
12454 }%
12455 }{}%
12456 \ifpackageloaded{bidipoem}{%
12457 \long\def\bidipoem@p@ftntext#1{%
12458 \edef\@tempxi{%
12459 \the\bidipoem@p@ftn
12460 \beginingroup
12461 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12462 \noexpand\protected@xdef\noexpand\@thefnmark{%
12463 \noexpand\thempfn
12464 }%
12465 \noexpand\Hy@bidipoem@footnotetext{%
12466 \Hy@footnote@currentHref
12467 }%
12468 }%
12469 \global\bidipoem@p@ftn\expandafter{%
12470 \@tempxi{#1}%
12471 \endgroup
12472 }%
12473 }%
12474 \long\def\Hy@bidipoem@footnotetext#1#2{%
12475 \H@@footnotetext{%
12476 \ifHy@nesting
12477 \hyper@@anchor{#1}{#2}%
12478 \else
12479 \Hy@raisedlink{%
12480 \hyper@@anchor{#1}{\relax}%
12481 }%
12482 \def\@currentHref{#1}%
12483 \let\@currentlabelname\@empty
12484 #2%
12485 \fi
12486 }%
12487 }%
12488 \long\def\bidipoem@p@LTRftntext#1{%
12489 \edef\@tempxi{%
12490 \the\bidipoem@p@ftn
12491 \beginingroup
12492 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12493 \noexpand\protected@xdef\noexpand\@thefnmark{%
12494 \noexpand\thempfn
12495 }%
12496 \noexpand\Hy@bidipoem@LTRfootnotetext{%

```



```

12497         \Hy@footnote@currentHref
12498     }%
12499 }%
12500 \global\bidipoem@p@ftn\expandafter{%
12501     \@tempxi{#1}%
12502 \endgroup
12503 }%
12504 }%
12505 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12506     \HLTR@@LTRfootnotetext{%
12507         \ifHy@nesting
12508             \hyper@@anchor{#1}{#2}%
12509         \else
12510             \Hy@raisedlink{%
12511                 \hyper@@anchor{#1}{\relax}%
12512             }%
12513             \def\@currentHref{#1}%
12514             \let\@currentlabelname\@empty
12515             #2%
12516         \fi
12517     }%
12518 }%
12519 \long\def\bidipoem@p@RTLftntext#1{%
12520     \edef\@tempxi{%
12521         \the\bidipoem@p@ftn
12522     \beginingroup
12523         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12524         \noexpand\protected@xdef\noexpand\@thefnmark{%
12525             \noexpand\thempfn
12526         }%
12527         \noexpand\Hy@bidipoem@RTLfootnotetext{%
12528             \Hy@footnote@currentHref
12529         }%
12530     }%
12531     \global\bidipoem@p@ftn\expandafter{%
12532         \@tempxi{#1}%
12533     \endgroup
12534 }%
12535 }%
12536 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12537     \HRTL@@RTLfootnotetext{%
12538         \ifHy@nesting
12539             \hyper@@anchor{#1}{#2}%
12540         \else
12541             \Hy@raisedlink{%
12542                 \hyper@@anchor{#1}{\relax}%
12543             }%
12544             \def\@currentHref{#1}%
12545             \let\@currentlabelname\@empty
12546             #2%

```



```

12547         \fi
12548     }%
12549 }%
12550 }{}%
12551 \let\HyOrg@maketitle\maketitle
12552 \def\maketitle{%
12553     \let\Hy@saved@footnotemark\@footnotemark
12554     \let\Hy@saved@footnotetext\@footnotetext
12555     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12556     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12557     \let\@footnotemark\H@@footnotemark
12558     \let\@footnotetext\H@@footnotetext
12559     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12560     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12561     \@ifnextchar[\Hy@maketitle@optarg{% ]
12562         \HyOrg@maketitle
12563         \Hy@maketitle@end
12564     }%
12565 }%
12566 \def\Hy@maketitle@optarg[#1]{%
12567     \HyOrg@maketitle[{#1}]%
12568     \Hy@maketitle@end
12569 }%
12570 \def\Hy@maketitle@end{%
12571     \ifx\@footnotemark\H@@footnotemark
12572         \let\@footnotemark\Hy@saved@footnotemark
12573     \fi
12574     \ifx\@footnotetext\H@@footnotetext
12575         \let\@footnotetext\Hy@saved@footnotetext
12576     \fi
12577     \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12578         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12579     \fi
12580     \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12581         \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12582     \fi
12583 }%
12584 \def\realfootnote{%
12585     \@ifnextchar[\@xfootnote{%
12586         \stepcounter{\@mpfn}%
12587         \protected@xdef\@thefnmark{\thempfn}%
12588         \H@@footnotemark\H@@footnotetext
12589     }%
12590 }%
12591 \fi
12592 \def\Hy@BeginAnnot#1{%
12593     \ifmmode\else\beginL\fi%
12594     \global\advance\c@Hy@AnnotLevel\@ne
12595     \ifnum\c@Hy@AnnotLevel=\@ne
12596         #1%

```



```

12597 \fi
12598 }
12599 \def\Hy@endAnnot{%
12600 \ifnum\c@Hy@AnnotLevel=\@ne
12601 \Hy@endcolorlink
12602 \@pdfm@mark{eann}%
12603 \fi
12604 \global\advance\c@Hy@AnnotLevel\m@ne
12605 \ifmmode\else\endL\fi%
12606 }
12607 \def\hyper@link#1#2#3{%
12608 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\fi%
12609 }
12610 \def\hyper@linkfile#1#2#3{%
12611 \leavevmode
12612 \Hy@BeginAnnot{%
12613 \def\Hy@pstringF{#2}%
12614 \Hy@CleanupFile\Hy@pstringF
12615 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12616 \Hy@pstringdef\Hy@pstringD{#3}%
12617 \Hy@MakeRemoteAction
12618 \@pdfm@mark{%
12619 bann<<%
12620 /Type/Annot%
12621 /Subtype/Link%
12622 \ifHy@pdfa /F 4\fi
12623 \Hy@setpdfborder
12624 \ifx\@filebordercolor\relax
12625 \else
12626 /C[\@filebordercolor]%
12627 \fi
12628 /A<<%
12629 /S/GoToR%
12630 /F(\Hy@pstringF)%
12631 /D%
12632 \ifx\#3\%
12633 [\Hy@href@page\@pdfremotestartview]%
12634 \else
12635 (\Hy@pstringD)%
12636 \fi
12637 \Hy@SetNewWindow
12638 \Hy@href@nextactionraw
12639 >>%
12640 >>%
12641 }%
12642 \Hy@colorlink\@filecolor
12643 }%
12644 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12645 \Hy@endAnnot
12646 }

```



```

12647 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12648 \leavevmode
12649 \Hy@BeginAnnot{%
12650 \Hy@pstringdef\Hy@pstringF{#1}%
12651 \Hy@pstringdef\Hy@pstringP{#3}%
12652 \@pdfm@mark{%
12653 bann<<%
12654 /Type/Annot%
12655 /Subtype/Link%
12656 \ifHy@pdfa /F 4\fi
12657 \Hy@setpdfborder
12658 \ifx\@runbordercolor\relax
12659 \else
12660 /C[\@runbordercolor]%
12661 \fi
12662 /A<<%
12663 /F(\Hy@pstringF)%
12664 /S/Launch%
12665 \Hy@SetNewWindow
12666 \ifx\#3\%
12667 \else
12668 /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12669 \fi
12670 \Hy@href@nextactionraw
12671 >>%
12672 >>%
12673 }%
12674 \Hy@colorlink\@runcolor
12675 }%
12676 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12677 \Hy@endAnnot
12678 }
12679 \def\hyper@linkurl#1#2{%
12680 \leavevmode
12681 \Hy@BeginAnnot{%
12682 \Hy@pstringdef\Hy@pstringURI{#2}%
12683 \@pdfm@mark{%
12684 bann<<%
12685 /Type/Annot%
12686 /Subtype/Link%
12687 \ifHy@pdfa /F 4\fi
12688 \Hy@setpdfborder
12689 \ifx\@urlbordercolor\relax
12690 \else
12691 /C[\@urlbordercolor]%
12692 \fi
12693 /A<<%
12694 /S/URI%
12695 /URI(\Hy@pstringURI)%
12696 \ifHy@href@ismap

```



```

12697         /IsMap true%
12698         \fi
12699         \Hy@href@nextactionraw
12700     >>%
12701 >>%
12702 }%
12703 \Hy@colorlink\@urlcolor
12704 }%
12705 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12706 \Hy@EndAnnot
12707 }
12708 \def\Acrobatmenu#1#2{%
12709 \Hy@Acrobatmenu{#1}{#2}{%
12710 \Hy@BeginAnnot{%
12711 \EdefEscapeName\Hy@temp@menu{#1}%
12712 \@pdfm@mark{%
12713 bann<%
12714 /Type/Annot%
12715 /Subtype/Link%
12716 \ifHy@pdfa /F 4\fi
12717 \Hy@setpdfborder
12718 \ifx\@menubordercolor\relax
12719 \else
12720 /C[\@menubordercolor]%
12721 \fi
12722 /A<<%
12723 /S/Named%
12724 /N/\Hy@temp@menu
12725 \Hy@href@nextactionraw
12726 >>%
12727 >>%
12728 }%
12729 \Hy@colorlink\@menucolor
12730 }%
12731 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12732 \Hy@EndAnnot
12733 }%
12734 }
12735 \def\hyper@natlinkstart#1{%
12736 \Hy@backout{#1}%
12737 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12738 \def\hyper@nat@current{#1}%
12739 }
12740 \def\hyper@natlinkend{%
12741 \if@RTL\endR\fi\hyper@linkend
12742 }
12743 \def\hyper@natlinkbreak#1#2{%
12744 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12745 }%
12746 }

```



```

12747 \pdfstringdefDisableCommands{%
12748 \let\LRE\@firstofone
12749 \let\LR\@firstofone
12750 \let\RLE\@firstofone
12751 \let\RL\@firstofone
12752 \def\XeTeX{Xe\TeX}
12753 \def\XeLaTeX{Xe\LaTeX}
12754 }
12755 \@ifpackageloaded{longtable}{%
12756 \begingroup
12757 \def\y{\LT@array}%
12758 \@ifundefined{scr@LT@array}{%
12759 \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
12760 }{\def\y{\scr@LT@array}}%
12761 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12762 \expandafter\endgroup
12763 \expandafter\def\y[##1]##2{%
12764 \H@refstepcounter{#1}%
12765 \hyper@makecurrent{table}%
12766 \let\Hy@LT@currentHref\@currentHref
12767 #2\@sharp####4%
12768 }%
12769 }%
12770 \expandafter\expandafter\expandafter\x\y[##1]{#2}\@nil
12771 \begingroup
12772 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12773 \endgroup
12774 \def\LT@start{%
12775 #1%
12776 \ifvoid\LT@foot#2\fi
12777 \let\@currentHref\Hy@LT@currentHref
12778 \Hy@raisedlink{%
12779 \hyper@anchorstart{\@currentHref}\hyper@anchorend
12780 }%
12781 #3%
12782 }%
12783 }%
12784 \expandafter\x\LT@start\@nil
12785 }{}

```

70 File `imsproc-xetex-bidi.def`

```

12786 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class for X
12787 \newenvironment{thebibliography}[1]{%
12788 \@bibtitlestyle
12789 \normalfont\bibliofont\labelsep .5em\relax
12790 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
12791 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12792 \bidi@thebibliography@font@hook
12793 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%

```




```

12794 \leftmargin\labelwidth \advance\leftmargin\labelsep
12795 \usecounter{enumiv}}}%
12796 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12797 \sfcode`\.=\@m
12798 }{%
12799 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12800 \endlist
12801 }
12802
12803 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12804 \columnseprule\z@ \columnsep 35\p@
12805 \@indextitlestyle
12806 \thispagestyle{plain}%
12807 \let\item\@idxitem
12808 \parindent\z@ \parskip\z@\@plus.3\p@\relax
12809 \if@RTL\raggedleft\else\raggedright\fi
12810 \hyphenpenalty\@M
12811 \footnotesize}
12812 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12813 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12814 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12815
12816 \def\right@footnoterule{%
12817 \kern-.4\p@
12818 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12819 \kern11\p@\kern-\footnotesep}
12820 \def\left@footnoterule{\kern-.4\p@
12821 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12822 \def\@makefnmark{%
12823 \leavevmode
12824 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}%
12825 }
12826
12827 \def\part{\@startsection{part}{0}%
12828 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
12829 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12830 \def\@tocline#1#2#3#4#5#6#7{\relax
12831 \ifnum #1>\c@tocdepth % then omit
12832 \else
12833 \par \addpenalty\@secpenalty\addvspace{#2}%
12834 \begingroup \hyphenpenalty\@M
12835 \@ifempty{#4}{%
12836 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12837 }{%
12838 \@tempdima#4\relax
12839 }%
12840 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
12841 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12842 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12843 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par

```



```

12844 \nobreak
12845 \endgroup
12846 \fi}
12847 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12848 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12849 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12850 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12851 \def\maketitle{\par
12852 \@topnum\z@ % this prevents figures from falling at the top of page 1
12853 \@setcopyright
12854 \thispagestyle{firstpage}% this sets first page specifications
12855 \uppercasenonmath\shorttitle
12856 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12857 \else \andify\shortauthors
12858 \fi
12859 \@maketitle@hook
12860 \begingroup
12861 \@maketitle
12862 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
12863 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
12864 \edef\@tempa{%
12865 \@nx\markboth{\the\toks4
12866 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12867 \@tempa
12868 \endgroup
12869 \c@footnote\z@
12870 \cleartopmattertags
12871 }

```

71 File leqno-xetex-bidi.def

```

12872 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX e
12873 \renewcommand\@eqnnum{\hbxt@.01\p@{}}%
12874 \rlap{\hskip -\displaywidth
12875 {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```

72 File letter-xetex-bidi.def

```

12876 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
12877 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
12878 \thispagestyle{firstpage}%
12879 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12880 \else % home address
12881 \thispagestyle{empty}%
12882 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12883 \fromaddress \*[2\parskip]%
12884 \@date \end{tabular}\par}%
12885 \fi
12886 \vspace{2\parskip}%
12887 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%

```



```

12888 \vspace{2\parskip}%
12889 #1\par\nobreak}
12890 \renewcommand\left@footnoterule{%
12891 \kern-\p@
12892 \hrule \@width .4\columnwidth
12893 \kern .6\p@}
12894 \renewcommand\right@footnoterule{%
12895 \kern-\p@
12896 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12897 \kern .6\p@}

```

73 File lettrine-xetex-bidi.def

```

12898 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package ]
12899 \def\@lettrine[#1]#2#3{%
12900 \setcounter{L@lines}{\theDefaultLines}%
12901 \setcounter{L@depth}{\theDefaultDepth}%
12902 \renewcommand*{\L@hang}{\DefaultLhang}%
12903 \renewcommand*{\L@oversize}{\DefaultLoversize}%
12904 \renewcommand*{\L@raise}{\DefaultLraise}%
12905 \renewcommand*{\L@ante}{}%
12906 \setlength{\L@Findent}{\DefaultFindent}%
12907 \setlength{\L@Nindent}{\DefaultNindent}%
12908 \setlength{\L@slope}{\DefaultSlope}%
12909 \setlength{\L@novskip}{\DiscardVskip}%
12910 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12911 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12912 \if\DefaultOptionsFile\relax
12913 \else
12914 \begingroup
12915 \InputIfFileExists{\DefaultOptionsFile}%
12916 {}%
12917 {\PackageWarning{lettrine.sty}%
12918 {File \DefaultOptionsFile\space not found}%
12919 }%
12920 \def\color##1##{\l@color{##1}}%
12921 \let\l@color\@gobbletwo
12922 \def\textcolor##1##{\l@textcolor{##1}}%
12923 \def\l@textcolor##1##2##3{##3}%
12924 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12925 \gdef\l@LOKeys{%
12926 \else
12927 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12928 \fi
12929 \endgroup
12930 \def\KV@prefix{KV@L@}%
12931 \let\@tempc\relax
12932 \expandafter\KV@do\l@LOKeys,\relax,
12933 \sbox{\L@lbox}{\LettrineFont #2}%
12934 \setlength{\LettrineWidth}{\wd\L@lbox}%

```



```

12935 \def\KV@prefix{KV@L@}%
12936 \let\@tempc\relax
12937 \expandafter\KV@do\l@L@Keys,\relax,
12938 \fi
12939 \setkeys{L}{#1}%
12940 \ifL@image
12941 \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12942 \else
12943 \sbox{\L@lbox}{\LettrineFont #2}%
12944 \fi
12945 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12946 \@tempdima=\baselineskip
12947 \ifnum\theL@lines=1
12948 \setlength{\L@first}{\ht\L@lbox}%
12949 \addtolength{\L@first}{-\ht\L@tbox}%
12950 \setlength{\L@lraise}{\z@}%
12951 \else
12952 \setlength{\L@first}{-\theL@lines\@tempdima}%
12953 \addtolength{\L@first}{\@tempdima}%
12954 \sbox{\@tempboxa}{\LettrineTextFont x}%
12955 \addtolength{\L@first}{-\ht\@tempboxa}%
12956 \setlength{\L@lraise}{-\L@raise\L@first}%
12957 \addtolength{\L@first}{\L@lraise}%
12958 \addtolength{\L@first}{\ht\L@lbox}%
12959 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12960 \addtolength{\L@lraise}{\@tempdima}%
12961 \fi
12962 \par
12963 \ifdim\L@first>\L@novskip
12964 \ifL@grid
12965 \@tempdima=\baselineskip
12966 \@tempdimb=\@tempdima
12967 \advance\@tempdimb by \L@novskip
12968 \@tempcnta=1
12969 \loop\ifdim\L@first>\@tempdimb
12970 \advance\@tempcnta by 1
12971 \advance\L@first by -\@tempdima
12972 \repeat
12973 \vskip\@tempcnta\baselineskip
12974 \else
12975 \vskip\L@first
12976 \fi
12977 \fi
12978 \setlength{\L@Pindent}{\wd\L@lbox}%
12979 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12980 \settowidth{\L@first}{\L@ante}%
12981 \addtolength{\L@Pindent}{\L@first}%
12982 \addtolength{\L@Pindent}{\L@Findent}%
12983 \setlength{\L@first}{\linewidth}%
12984 \addtolength{\L@first}{-\L@Pindent}%

```



```

12985 \addtolength{\L@Nindent}{\L@Pindent}%
12986 \setlength{\L@next}{\linewidth}%
12987 \addtolength{\L@next}{-\L@Nindent}%
12988 \addtolength{\L@Pindent}{\rightmargin}%
12989 \addtolength{\L@Nindent}{\rightmargin}%
12990 \setlength{\LettrineWidth}{\wd\L@lbox}%
12991 \setlength{\LettrineHeight}{\ht\L@lbox}%
12992 \setlength{\LettrineDepth}{\dp\L@lbox}%
12993 \addtocounter{L@lines}{1}%
12994 \addtocounter{L@lines}{\the\c@L@depth}%
12995 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@P
12996 \@tempcnta=\tw@
12997 \@whilenum \@tempcnta<\c@L@lines\do{%
12998   \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \t
12999   \addtolength{\L@Nindent}{\L@slope}%
13000   \addtolength{\L@next}{-\L@slope}%
13001   \advance\@tempcnta\@ne}%
13002 \ifRTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \
13003 \noindent
13004 \parshape=\L@parshape\relax
13005 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
13006   \hskip \the\L@Findent}}%
13007 \usebox{\L@tbox}%
13008 }

```

74 File lineno-xetex-bidi.def

```

13009 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for
13010 \bidi@patchcmd{\MakeLineNo}{%
13011   \hb@xt@\z@\makeLineNumber}%
13012 }{%
13013   \hboxL to \z@\makeLineNumber}%
13014 }{}{}
13015
13016 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
13017   \ifRTL
13018     \hb@xt@\linenumberwidth{\LineNumber\hss}%
13019   \else
13020     \LineNumber
13021   \fi
13022 }{}{}
13023
13024 \bidi@patchcmd{\makeLineNumberRight}{%
13025   \hb@xt@\linenumberwidth{\hss\LineNumber}%
13026 }{%
13027   \ifRTL
13028     \LineNumber
13029   \else
13030     \hb@xt@\linenumberwidth{\hss\LineNumber}%
13031   \fi

```



```

13032 }{}{}
13033
13034 \bidi@AfterPreamble{%
13035   \if@RTLmain
13036     \rightlinenumbers*
13037   \else
13038     \leftlinenumbers*
13039   \fi
13040   \@ifpackagewith{lineno}{left}{%
13041     \leftlinenumbers*
13042   }{}
13043   \@ifpackagewith{lineno}{right}{%
13044     \rightlinenumbers*
13045   }{}
13046 }
13047

```

75 File listings-xetex-bidi.def

```

13048 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
13049 \lst@Key{captiondirection}{texdirection}{%
13050   \lstKV@SwitchCases{#1}%
13051   {texdirection:\\%
13052     RTL:\chardef\bidi@lst@caption@direction\@ne\\%
13053     LTR:\chardef\bidi@lst@caption@direction\z@%
13054   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13055
13056 \lst@Key{captionscript}{textscript}{%
13057   \lstKV@SwitchCases{#1}%
13058   {textscript:\\%
13059     latin:\chardef\bidi@lst@caption@script\@ne\\%
13060     nonlatin:\chardef\bidi@lst@caption@script\z@%
13061   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13062
13063 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
13064   \@ifundefined{bidi@lst@caption@direction}{}{%
13065     \ifnum\bidi@lst@caption@direction=\z@%
13066       #1%
13067     \else%
13068       \ifnum\bidi@lst@caption@direction=\@ne%
13069         #2%
13070       \fi%
13071     \fi%
13072 }}
13073
13074 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
13075   \@ifundefined{bidi@lst@caption@script}{}{%
13076     \ifnum\bidi@lst@caption@script=\z@%
13077       #1%
13078     \else%

```



```

13079         \ifnum\@bidi@lst@caption@script=\@one%
13080             #2%
13081         \fi%
13082     \fi%
13083 }}
13084
13085 \long\def\@bidi@lst@makecaption#1#2{%
13086     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13087     \vskip\abovecaptionskip
13088     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13089     \sbox\@tempboxa{%
13090         \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
13091         #1: #2%
13092         \bidi@lst@ensure@caption@direction{\endL}{\endR}%
13093     }%
13094     \ifdim \wd\@tempboxa >\hsize
13095         #1: #2\par
13096     \else
13097         \global \@minipagefalse
13098         \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13099     \fi
13100     \vskip\belowcaptionskip}%
13101 \def\lst@makecaption{\@bidi@lst@makecaption}
13102 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
13103 \bidi@AtEndPreamble{%
13104     \bidi@patchcmd{\lst@MakeCaption}{%
13105         \ifx #1t%
13106             \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13107                 \expandafter\refstepcounter
13108             \fi {lstlisting}%
13109     }{%
13110         \ifx #1t%
13111             \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13112             \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13113                 \expandafter\refstepcounter
13114             \fi {lstlisting}%
13115             \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13116     }}}%
13117 \bidi@patchcmd{\lst@MakeCaption}{%
13118     \addcontentsline{lol}{lstlisting}%
13119     {\protect\numberline{\thelstlisting}\lst@@caption}%
13120 }{%
13121     \begingroup%
13122         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13123         \addcontentsline{lol}{lstlisting}%
13124         {\protect\numberline{\thelstlisting}\lst@@caption}%
13125     \endgroup%
13126 }}}%
13127 }
13128 \@ifpackageloaded{caption}{%

```



```

13129 \AtBeginCaption{%
13130 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13131 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13132 }
13133 \let\bidi@lst@makecaption\caption@makecaption%
13134 \def\lst@makecaption{\caption@starfalse\bidi@lst@makecaption}%
13135 \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\empty}%
13136 }{%
13137 \AtBeginDocument{%
13138 \ifundefined{captionlabelfalse}{\}%
13139 \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\empty}}%
13140 \ifundefined{caption@startrue}{\}%
13141 \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\empty}}%
13142 }%
13143 }
13144 \AtBeginDocument{
13145 \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{\%
13146 \lst@ifnumberbychapter
13147 \gdef\thelstlisting%
13148 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13149 \else
13150 \gdef\thelstlisting{\@arabic\c@lstlisting}
13151 \fi}

```

76 File loadingorder-xetex-bidi.def

```

13152 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
13153 \bidi@isloaded{amsmath}
13154 \bidi@isloaded{amstext}
13155 \bidi@isloaded{amsthm}
13156 \bidi@isloaded{animate}
13157 \bidi@isloaded{breqn}
13158 \bidi@isloaded{cals}
13159 \bidi@isloaded{caption}
13160 \bidi@isloaded{crop}
13161 \bidi@isloaded{cuted}
13162 \bidi@isloaded{cutwin}
13163 \bidi@isloaded{color}
13164 \bidi@isloaded{dblfnote}
13165 \bidi@isloaded{diagbox}
13166 \bidi@isloaded{xcolor}
13167 \bidi@isloaded{colortbl}
13168 \bidi@isloaded{float}
13169 \bidi@isloaded{floatrow}
13170 \bidi@isloaded{flowfram}
13171 \bidi@isloaded{framed}
13172 \bidi@isloaded{ftnright}
13173 \bidi@isloaded{xltextra}
13174 \bidi@isloaded{xunicode}
13175 \bidi@isloaded{wrapfig}

```




```

13176 \bidi@isloaded{graphicx}
13177 \bidi@isloaded{geometry}
13178 \bidi@isloaded{hvfloat}
13179 \bidi@isloaded{mdframed}
13180 \bidi@isloaded{midfloat}
13181 \bidi@isloaded{ntheorem}
13182 \bidi@isloaded{ntheorem-hyper}
13183 \bidi@isloaded{hyperref}
13184 \bidi@isloaded{fancybox}
13185 \bidi@isloaded{fancyhdr}
13186 \bidi@isloaded{fix2col}
13187 \bidi@isloaded{draftwatermark}
13188 \bidi@isloaded{empheq}
13189 \bidi@isloaded{overpic}
13190 \bidi@isloaded{pdfpages}
13191 \bidi@isloaded{listings}
13192 \bidi@isloaded{lettrine}
13193 \bidi@isloaded{lineno}
13194 \bidi@isloaded{media9}
13195 \bidi@isloaded{pstricks}
13196 \bidi@isloaded{pgf}
13197 \bidi@isloaded{picinpar}
13198 \bidi@isloaded{quotchap}
13199 \bidi@isloaded{tikz}
13200 \bidi@isloaded{titlesec}
13201 \bidi@isloaded{titletoc}
13202 \bidi@isloaded{array}
13203 \bidi@isloaded{soul}
13204 \bidi@isloaded{stabular}
13205 \bidi@isloaded{subfig}
13206 \bidi@isloaded{subfigure}
13207 \bidi@isloaded{supertabular}
13208 \bidi@isloaded{xtab}
13209 \bidi@isloaded{longtable}
13210 \bidi@isloaded{arydshln}
13211 \bidi@isloaded{multicol}
13212 \bidi@isloaded{multienum}
13213 \bidi@isloaded{minitoc}
13214 \bidi@isloaded{natbib}
13215 \bidi@isloaded{newfloat}
13216 \bidi@isloaded{ragged2e}
13217 \bidi@isloaded{rotating}
13218 \bidi@isloaded{tbls}
13219 \bidi@isloaded{tabulary}
13220 \bidi@isloaded{tocbasic}
13221 \bidi@isloaded{tocstyle}
13222 \bidi@isloaded{tocbibind}
13223 \bidi@isloaded{fontspec}
13224 \bidi@isloaded{arabxetex}
13225 \bidi@isloaded{polyglossia}

```



```

13226 \bidi@isloaded{fancyvrb}
13227 \AtBeginDocument{
13228   \if@bidi@amsmathloaded@else
13229     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
13230   \fi%
13231   \if@bidi@amstextloaded@else
13232     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}{}]
13233   \fi%
13234   \if@bidi@amsthmloaded@else
13235     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package}{}]
13236   \fi%
13237   \if@bidi@animateloaded@else
13238     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package}{}]
13239   \fi%
13240   \if@bidi@breqnloaded@else
13241     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package}{}]
13242   \fi%
13243   \if@bidi@calsloaded@else
13244     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package}{}]
13245   \fi%
13246   \if@bidi@captionloaded@else
13247     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package}{}]
13248   \fi%
13249   \if@bidi@croploaded@else
13250     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package}{}]
13251   \fi%
13252   \if@bidi@colorloaded@else
13253     \@ifpackageloaded{hyperref}{-}{%
13254       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package}{}]
13255     }%
13256   \if@bidi@cutwinloaded@else
13257     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package}{}]
13258   \fi%
13259   \if@bidi@cutedloaded@else
13260     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package}{}]
13261   \fi%
13262   \if@bidi@dblfnoteloaded@else
13263     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package}{}]
13264   \fi%
13265   \if@bidi@diagboxloaded@else
13266     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi package}{}]
13267   \fi%
13268   \if@bidi@xcolorloaded@else
13269     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package}{}]
13270   \fi%
13271   \if@bidi@colortblloaded@else
13272     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package}{}]
13273   \fi%
13274   \if@bidi@floatloaded@else
13275     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package}{}]

```



```

13276 \fi%
13277 \if@bidi@floatrowloaded@else
13278 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi packa
13279 \fi%
13280 \if@bidi@flowframloaded@else
13281 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi packa
13282 \fi%
13283 \if@bidi@framedloaded@else
13284 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packag
13285 \fi%
13286 \if@bidi@ftnrightloaded@else
13287 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi packa
13288 \fi%
13289 \if@bidi@xltxtraloaded@else
13290 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi packag
13291 \fi%
13292 \if@bidi@xunicodeloaded@else
13293 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi packa
13294 \fi%
13295 \if@bidi@wrapfigloaded@else
13296 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packag
13297 \fi%
13298 \if@bidi@graphicxloaded@else
13299 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi packa
13300 \fi%
13301 \if@bidi@geometryloaded@else
13302 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi packa
13303 \fi%
13304 \if@bidi@hvfloatloaded@else
13305 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packag
13306 \fi%
13307 \if@bidi@mdframedloaded@else
13308 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi packa
13309 \fi%
13310 \if@bidi@midfloatloaded@else
13311 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi packa
13312 \fi%
13313 \if@bidi@ntheoremloaded@else
13314 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi packa
13315 \fi%
13316 \if@bidi@hyperrefloaded@else
13317 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13318 \fi%
13319 \if@bidi@fancyboxloaded@else
13320 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13321 \fi%
13322 \if@bidi@fancyhdrloaded@else
13323 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13324 \fi%
13325 \if@bidi@draftwatermarkloaded@else

```



```

13326 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi
13327 \fi%
13328 \if@bidi@empheqloaded@else
13329 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package
13330 \fi%
13331 \if@bidi@overpicloaded@else
13332 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packag
13333 \fi%
13334 \if@bidi@pdfpagesloaded@else
13335 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi packa
13336 \fi%
13337 \if@bidi@lettrineloaded@else
13338 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi packa
13339 \fi%
13340 \if@bidi@linenoloaded@else
13341 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi package
13342 \fi%
13343 \if@bidi@listingsloaded@else
13344 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi packa
13345 \fi%
13346 \csname if@bidi@media9loaded@endcsname\else
13347 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package
13348 \fi%
13349 \if@bidi@pstricksloaded@else
13350 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi packa
13351 \fi%
13352 \if@bidi@pgfloaded@else
13353 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
13354 \fi%
13355 \if@bidi@picinparloaded@else
13356 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi packa
13357 \fi%
13358 \if@bidi@quotchaploaded@else
13359 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi packa
13360 \fi%
13361 \if@bidi@tikzloaded@else
13362 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.
13363 \fi%
13364 \if@bidi@titlesecloaded@else
13365 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi packa
13366 \fi%
13367 \if@bidi@titletocloaded@else
13368 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi packa
13369 \fi%
13370 \if@bidi@arrayloaded@else
13371 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package
13372 \fi%
13373 \if@bidi@stabularloaded@else
13374 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi packa
13375 \fi%

```



```

13376 \if@bidi@soulloaded@else
13377   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.
13378   \fi%
13379 \if@bidi@subfigloaded@else
13380   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package.
13381   \fi%
13382 \if@bidi@subfigureloaded@else
13383   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pack
13384   \fi%
13385 \if@bidi@supertabularloaded@else
13386   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi p
13387   \fi%
13388 \if@bidi@xtabloaded@else
13389   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
13390   \fi%
13391 \if@bidi@longtableloaded@else
13392   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13393   \fi%
13394 \if@bidi@arydshlnloaded@else
13395   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi packa
13396   \fi%
13397 \if@bidi@multicolloaded@else
13398   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13399   \fi%
13400 \if@bidi@multienumloaded@else
13401   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13402   \fi%
13403 \if@bidi@minitocloaded@else
13404   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
13405   \fi%
13406 \if@bidi@natbibloaded@else
13407   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package
13408   \fi%
13409   \if@bidi@newfloatloaded@else
13410     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13411     \fi%
13412 \csname if@bidi@ragged2eloaded@endcsname\else
13413   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13414   \fi%
13415   \if@bidi@rotatingloaded@else
13416     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13417     \fi%
13418 \if@bidi@tblsloaded@else
13419   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package.
13420   \fi%
13421 \if@bidi@tabularyloaded@else
13422   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13423   \fi%
13424 \if@bidi@tocbasicloaded@else
13425   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa

```



```

13426 \fi%
13427 \if@bidi@tocstyleloaded@else
13428 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pack
13429 \fi%
13430 \if@bidi@tocbibindloaded@else
13431 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13432 \fi%
13433 \if@bidi@fontspecloaded@else
13434 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pack
13435 \fi%
13436 \if@bidi@arabxetexloaded@else
13437 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13438 \fi%
13439 \if@bidi@polyglossialoaded@else
13440 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi pa
13441 \fi%
13442 \if@bidi@fancyvrbloaded@else
13443 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pack
13444 \fi%
13445 }

```

77 File longtable-xetex-bidi.def

```

13446 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package]
13447 \def\LT@array[#1]#2{%
13448 \refstepcounter{table}\stepcounter{LT@tables}%
13449 \if l#1%
13450 \if RTLtab\LTleft\fill \LTRight\z@\else\LTleft\z@ \LTRight\fill\fi
13451 \else\if r#1%
13452 \if RTLtab\LTleft\z@ \LTRight\fill\else\LTleft\fill \LTRight\z@\fi
13453 \else\if c#1%
13454 \LTleft\fill \LTRight\fill
13455 \fi\fi\fi
13456 \let\LT@mcol\multicolumn
13457 \let\LT@@tabarray\@tabarray
13458 \let\LT@@hl\hline
13459 \def\@tabarray{%
13460 \let\hline\LT@@hl
13461 \LT@@tabarray}%
13462 \let\LT@tabularcr\let\tabularnewline\%
13463 \def\newpage{\noalign{\break}}%
13464 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13465 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}%
13466 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13467 \@tempdima\ht\strutbox
13468 \let\@endpbox\LT@endpbox
13469 \ifx\extrarowheight\undefined
13470 \let\@acol\@tabacol
13471 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13472 \def\@startpbox{\vtop\LT@startpbox}%

```



```

13473 \let\@startpbox\@startpbox
13474 \let\@endpbox\@endpbox
13475 \let\LT@LL@FM@cr\@tabularcr
13476 \else
13477 \advance\@tempdima\extrarowheight
13478 \col@sep\@tabcolsep
13479 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13480 \fi
13481 \setbox\@arstrutbox\hbox{\vrule
13482 \@height \arraystretch \@tempdima
13483 \@depth \arraystretch \dp \strutbox
13484 \@width \z@}%
13485 \let\@sharp##\let\protect\relax
13486 \begingroup
13487 \mkpream{#2}%
13488 \xdef\LT@bchunk{%
13489 \global\advance\c@LT@chunks\@ne
13490 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13491 \LT@setprevdepth
13492 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13493 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13494 \endgroup
13495 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13496 \LT@make@row
13497 \m@th\let\par\@empty
13498 \everycr{}\lineskip\z@\baselineskip\z@
13499 \LT@bchunk}
13500 \def\LT@makecaption#1#2#3{%
13501 \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
13502 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13503 \ifdim\wd\@tempboxa>\hsize
13504 #1{#2: }#3%
13505 \else
13506 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13507 \fi
13508 \endgraf\vskip\baselineskip}%
13509 \hss}}}
13510 \ifpackageloaded{caption}{%
13511 \renewcommand\LT@makecaption[3]{%
13512 \caption@LT@make{%
13513 \caption@settype*\LTcaptype
13514 \ifdim\LTcapwidth=4in \else
13515 \setcaptionwidth\LTcapwidth
13516 \fi
13517 \caption@setoptions{longtable}%
13518 \caption@setoptions{@longtable}%
13519 \caption@LT@setup
13520 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13521 \caption@startrue#1\caption@starfalse
13522 \caption@prepare@stepcounter\LTcaptype{LT}%

```



```

13523 \caption@begin\LTcapttype
13524 \caption@normalsize
13525 \vskip-\ht\strutbox
13526 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13527 \caption@@make{#2}{#3}\endgraf
13528 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13529 \caption@end}}%
13530 }{}
13531 \def\LT@startpbox#1{%
13532 \bgroup
13533 \let\@footnotetext\LT@p@ftntext
13534 \let\@LTrfootnotetext\LT@p@LTrftntext
13535 \let\@RTLfootnotetext\LT@p@RTLftntext
13536 \setlength\hsize{#1}%
13537 \@arrayparboxrestore
13538 \vrule \@height \ht\@arstrutbox \@width \z@}
13539 \def\LT@p@LTrftntext#1{%
13540 \edef\@tempa{\the\LT@p@ftn\noexpand\LTrfootnotetext[\the\c@footnote]]}%
13541 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13542 \def\LT@p@RTLftntext#1{%
13543 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13544 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13545
13546
13547 \def\LT@output{%
13548 \ifnum\outputpenalty <-\@Mi
13549 \ifnum\outputpenalty >-\LT@end@pen
13550 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13551 \else
13552 \setbox\z@\vbox{\unvbox\@cclv}%
13553 \ifdim \ht\LT@lastfoot>\ht\LT@foot
13554 \dimen@ \pagegoal
13555 \advance\dimen@-\ht\LT@lastfoot
13556 \ifdim\dimen@<\ht\z@
13557 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13558 \@makecol
13559 \@outputpage
13560 \setbox\z@\vbox{\box\LT@head}%
13561 \fi
13562 \fi
13563 \global\@colroom\@colht
13564 \global\vsizel\@colht
13565 \vbox
13566 { \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13567 \fi
13568 \else
13569 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13570 \@makecol
13571 \@outputpage
13572 \global\vsizel\@colroom

```




```

13573 \copy\LT@head\nobreak
13574 \fi}

```

78 File mathtools-xetex-bidi.def

```

13575 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13576 \MHInternalSyntaxOn
13577 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13578   \@namedef{MT_tagform_#1:n}##1
13579     {\maketag@@@{\ifnonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i}
13580 }
13581 \renewtagform{default}{\{()\}}
13582 \MHInternalSyntaxOff

```

79 File mdframed-xetex-bidi.def

```

13583 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13584 \newif\if@bidi@mdf@RTL
13585 \def\mdf@lrbox#1{%
13586   \mdf@patchamsthm%patch amsthm
13587   \if@RTL\@bidi@mdf@RTLtrue\fi%
13588   \@RTLfalse%
13589   \setbox#1\vbox\bgroup%
13590   \color@begingroup%
13591   \if@bidi@mdf@RTL\@RTLtrue\fi%
13592   \mdf@horizontalmargin@equation%
13593   \columnwidth=\hsize%
13594   \textwidth=\hsize%
13595   \let\if@nobreak\iffalse%
13596   \let\if@noskipsec\iffalse%
13597   \let\par\@par%
13598   \let\-\@dischyph%
13599   \let'\@acci\let\`@accii\let\=@acciii%
13600   \parindent\z@ \parskip\z@skip%
13601   \linewidth\hsize%
13602   \@totalleftmargin\z@%
13603   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13604   \parfillskip\@flushglue \lineskip\normallineskip%
13605   \baselineskip\normalbaselineskip%
13606 %% \sloppy%
13607   \let\\\@normalcr%
13608   \mdf@par@local%New feature to restore parskip/parindent local in save box
13609   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13610   \@afterindentfalse%
13611   %\@afterheading%
13612 }
13613 \renewrobustcmd\mdfframedtitleenv[1]{%
13614   \mdf@lrbox{\mdf@frametitlebox}%
13615   \mdf@frametitlealignment%
13616   \leavevmode{\color{\mdf@frametitlefontcolor}%

```



```

13617         \normalfont\mdf@frametitlefont{#1}
13618     \ifbool{mdf@ignorelastdescenders}%
13619     {%
13620         \par\strut\par
13621         \unskip\unskip\setbox0=\lastbox
13622         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13623     }{}%
13624     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
13625     \endmdf@lrbox\relax%
13626     \mdf@ignorevbadness%
13627     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13628     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13629     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13630     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13631     \mdfframetitleboxtotalheight=\dimexpr
13632                                     \ht\mdf@frametitlebox
13633                                     +\dp\mdf@frametitlebox%
13634                                     +\mdf@frametitleaboveskip@length
13635                                     +\mdf@frametitlebelowskip@length
13636                                     \relax%
13637 }
13638
13639 \renewrobustcmd*\mdf@footnoteoutput{%
13640     \ifvoid\@mpfootins\else%
13641         \nobreak%
13642         \vskip\mdf@footnotedistance@length%
13643         \normalcolor%
13644         \bidi@mpfootnoterule%
13645         \unvbox\@mpfootins%
13646     \fi%
13647 }
13648
13649
13650 \renewrobustcmd*\mdf@footnoteinput{%
13651     \def\@mpfn{mpfootnote}%
13652     \def\thempfn{\thempfootnote}%
13653     \c@mpfootnote\z@%
13654     \let\@footnotetext\@mpfootnotetext%
13655     \let\@LTRfootnotetext\@mpLTRfootnotetext%
13656     \let\@RTLfootnotetext\@mpRTLfootnotetext%
13657 }

```

8o File bidi-media9.sty

```

13658 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13659 {bidi fixes for media9 package for the XeTeX engine}
13660
13661 \keys_define:nn{media9/mbtn}{
13662     draft .code:n = {},
13663     final .code:n = {},

```



```

13664
13665 tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13666 tooltip .value_required:n = {true},
13667
13668 overface .code:n = {
13669   \sbox\l_mix_poster_box{
13670     \bool_if:NTF\g_pbs_kscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13671   \mix_pdfxform:n{\l_mix_poster_box}
13672   \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13673 },
13674 overface .value_required:n = {true},
13675
13676 downface .code:n = {
13677   \sbox\l_mix_poster_box{
13678     \bool_if:NTF\g_pbs_kscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13679   \mix_pdfxform:n{\l_mix_poster_box}
13680   \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13681 },
13682 downface .value_required:n = {true},
13683
13684 3Dgotoview .code:n = {
13685   \tl_set:Nx\l_tmpa_tl{#1} %extract ref
13686   \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl
13687   \tl_trim_spaces:N\l_tmpa_tl
13688   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13689     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13690       \tl_set:Nx\l_tmpb_tl{#1} %extract idx
13691       \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpb_tl
13692       \tl_trim_spaces:N\l_tmpb_tl
13693       \tl_if_blank:VF\l_tmpb_tl{
13694         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13695           \tl_set:Nx\l_mix_vidx_tl{/ \l_tmpb_tl}
13696         }{
13697           \regex_match:nVTF{^~d+}$}\l_tmpb_tl{
13698             \tl_set:Nx\l_mix_vidx_tl{~ \l_tmpb_tl}
13699           }{
13700             \regex_replace_once:nnN{^~(\s*)}{\1}\l_tmpb_tl
13701             \regex_replace_once:nnN{(\s*)$}{\1}\l_tmpb_tl
13702             \tl_set:Nx\l_mix_vidx_tl{~ (\l_tmpb_tl)}
13703           }
13704         }
13705       }
13706       \mix_pdfobj:nnn{}{dict}{
13707         /S/JavaScript/JS~(
13708           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13709           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13710             annotRM['\l_tmpa_tl']=
13711               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13712           }
13713           annotRM['\l_tmpa_tl'].activated=true;

```



```

13714     )
13715     \tl_if_blank:VF\l_tmpb_tl{
13716       /Next~<<
13717       /S/GoTo3DView
13718       /TA~\tl_use:c{ann@\l_tmpa_tl}
13719       /V\l_mix_vidx_tl
13720     >>
13721   }
13722 }
13723 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13724 }
13725 }{
13726   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13727   \cs_if_exist:NF\g_mix_refundefwarned_tl{
13728     \tl_new:N\g_mix_refundefwarned_tl
13729     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13730   }
13731 }
13732 },
13733 3Dgotoview .value_required:n = {true},
13734
13735 mediacommand .code:n = {
13736   \tl_set:Nx\l_tmpa_tl{#1}
13737   \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl %extract ref
13738   \tl_trim_spaces:N\l_tmpa_tl
13739   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13740     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13741       \tl_set:Nx\l_tmpb_tl{#1}
13742       \regex_replace_once:nnN{([~:~]+~:~)}{\1}\l_tmpb_tl
13743       \tl_trim_spaces:N\l_tmpb_tl
13744       \regex_replace_all:nnN{~\{|~\}$}{~}\l_tmpb_tl
13745       \tl_set:Nx\l_mix_cmd_tl{
13746         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13747       \tl_trim_spaces:N\l_mix_cmd_tl
13748       \tl_set:Nx\l_mix_arg_tl{
13749         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13750       \tl_trim_spaces:N\l_mix_arg_tl
13751       \mix_pdfobj:nnn{}{dict}{
13752         /S/JavaScript/JS~(
13753           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13754           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13755             annotRM['\l_tmpa_tl']=
13756               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13757           }
13758           annotRM['\l_tmpa_tl'].activated=true;
13759         )
13760       \tl_if_blank:VF\l_mix_cmd_tl{
13761         /Next~<<
13762         /S/RichMediaExecute
13763         /TA~\tl_use:c{ann@\l_tmpa_tl}

```



```

13764         /TI~\tl_use:c{main@\l_tmpa_tl}
13765         /CMD~<<
13766         /C~(\l_mix_cmd_tl)
13767         \tl_if_blank:VF\l_mix_arg_tl{
13768             /A~[\l_mix_arg_tl]
13769         }
13770     >>
13771 >>
13772 }
13773 }
13774 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13775 }
13776 }{
13777     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13778     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13779         \tl_new:N\g_mix_refundefwarned_tl
13780         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13781     }
13782 }
13783 },
13784 mediacommand .value_required:n = {true},
13785
13786 jsaction .code:n = {
13787     \tl_set:Nx\l_tmpa_tl{#1}
13788     \regex_match:nVTF{^[^{:}]++.*$}\l_tmpa_tl{
13789         \regex_replace_once:nnN{([~:])+}??.*}{\1}\l_tmpa_tl %extract ref
13790         \tl_trim_spaces:N\l_tmpa_tl
13791     }{\tl_clear:N\l_tmpa_tl}
13792     \tl_set:Nx\l_tmpb_tl{#1}
13793     \tl_if_blank:VF\l_tmpa_tl{
13794         \tl_if_exist:cF{ann@\l_tmpa_tl}{
13795             \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13796             \cs_if_exist:NF\g_mix_refundefwarned_tl{
13797                 \tl_new:N\g_mix_refundefwarned_tl
13798                 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13799             }
13800         }
13801         \regex_replace_once:nnN{[~:]+\:}{~}\l_tmpb_tl
13802     }
13803     \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13804     \tl_trim_spaces:N\l_tmpb_tl
13805     \tl_if_blank:VF\l_tmpb_tl{
13806         \mix_pdfobj:nnn{}{dict}{
13807             /S/JavaScript/JS~(
13808                 try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
13809         \bool_lazy_and:nnT{
13810             \tl_if_exist_p:c{ann@\l_tmpa_tl}
13811         }{
13812             !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13813         }{

```



```

13814 \mix_pdfobj:nnn{}{dict}{
13815 /S/JavaScript/JS~(
13816   if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13817   if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13818     annotRM['\l_tmpa_tl']=
13819     this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13820   }
13821   annotRM['\l_tmpa_tl'].activated=true;
13822 )
13823 \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13824 }
13825 }
13826 \bool_if:nT{
13827   \bool_lazy_and_p:nn{
13828     \tl_if_exist_p:c{ann@\l_tmpa_tl}
13829   }{
13830     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13831   }
13832   || !\tl_if_blank_p:V\l_tmpb_tl
13833 }{
13834   \tl_gput_right:Nx\g_mix_btnactions_tl{\mix_pdflastobj:}
13835 }
13836 },
13837 jsaction .value_required:n = {true},
13838
13839 unknown .code:n = {
13840   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
13841 }
13842 }
13843
13844 \RenewDocumentCommand\includemedia{0{}mm}{\%#1 options, #2 text/image #3 media file
13845 \mix_uriend:
13846 \group_begin:
13847 \mix_beginLTR:
13848 \leavevmode
13849 %empty stream as appearance dummy
13850 \cs_if_exist:NF\g_mix_appearance_tl{
13851   \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13852   \mix_pdfxform:n{\l_mix_poster_box}
13853   \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13854 }
13855 \mix_reset:
13856 \mix_urbegin: %treat URI characters correctly
13857 \keys_set:nn{media9/user}{#1}
13858 \mix_uriend:
13859 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
13860 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
13861 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
13862 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
13863 \tl_gtrim_spaces:N\g_mix_flashvars_tl

```



```

13864
13865 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
13866
13867 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
13868 %\hbox_set:Nn\l_mix_poster_box{#2}
13869 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13870 \mix_scale:n{\l_mix_poster_box}
13871 \bool_if:nT{
13872   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
13873   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
13874 }{
13875   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
13876 }
13877 \bool_if:NTF\g_mix_usrdraft_bool{
13878   \tl_if_empty:NF\g_mix_usrlabel_tl{
13879     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
13880   }
13881   \tl_if_blank:oTF{#2}{
13882     \mix_urbegin: %treat URI characters correctly
13883     \mix_draftbox:n{\tl_to_str:n{#3}}
13884     \mix_uriend:
13885   }{
13886     \hbox_to_wd:nn{\g_mix_wd_tl}{
13887       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
13888       \box_use:N\l_mix_poster_box\hss
13889     }
13890   }
13891 }{
13892   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13893     %attach script that switches off play button overlay upon activation
13894     \mix_pdfobj:nnn{}{stream}{
13895       {}{
13896         var~ocgs=host.getOCGs(host.pageNum);
13897         for(var~i=0;i<ocgs.length;i++){
13898           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13899             ocgs[i].state=false;
13900           }
13901         }
13902       }
13903     }
13904     \mix_pdfobj:nnn{}{dict}{
13905       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13906     }
13907     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13908     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13909     %enforce plain playbutton overlay for XeTeX
13910     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13911   }
13912   %embed main asset
13913   \mix_urbegin:

```



```

13914 \mix_embedasset:n{#3}
13915 \bool_if:nTF{
13916   \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
13917 }{
13918   \bool_gset_true:N\g_mix_iiid_bool
13919   \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
13920 }{
13921   \str_case_x:nnF{\l_mix_base_tl}{
13922     {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13923     {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13924     {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13925     {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13926     {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13927   }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
13928 }
13929 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
13930 \mix_uriend:
13931 %secondary assets (added by addresource)
13932 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13933 \seq_map_inline:Nn\g_mix_script_seq{
13934   \mix_embedasset:n{##1}
13935   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
13936 }
13937 %attach 3D calculation script
13938 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13939   \mix_embedasset:n{3Dmenu.js}
13940   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13941 }
13942 %create 3D views from file (option 3Dviews)
13943 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13944   \tl_set:Nn\l_mix_level_tl{c_minus_one}
13945   \int_zero:N\l_mix_viewcnt_int
13946   \int_zero:N\l_mix_lineno_int
13947
13948   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13949   \ior_map_inline:Nn\l_mix_vfile_stream{
13950     \int_incr:N\l_mix_lineno_int
13951     \keys_set:nn{media9/views}{##1} %process input line
13952   }
13953   \ior_close:N\l_mix_vfile_stream
13954 }
13955 \bool_if:nT{ %create default 3D view if required
13956   \g_mix_iiid_bool &&
13957   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13958 }{
13959   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13960   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13961   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13962   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13963   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl

```




```

13964 \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13965 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13966
13967 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13968 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13969 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13970 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13971
13972 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13973 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13974 \tl_clear:N\l_mix_naarray_tl
13975
13976 \bool_if:NF\l_mix_ciiw_bool{
13977   \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
13978   \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13979 }
13980
13981 \tl_clear:N\l_mix_naarray_tl
13982 \tl_clear:N\l_mix_saarray_tl
13983 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13984
13985 \mix_view:n{Default}
13986 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
13987
13988 }
13989 \mix_pdfobj:nnn{}{dict}{
13990   /Type/RichMediaInstance
13991   /Subtype/\g_mix_mainassetsub_tl
13992   /Asset~\g_mix_mainasset_tl
13993   \bool_if:NF\g_mix_iiid_bool{
13994     /Params~<<
13995     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13996       /Foreground
13997     }{
13998       /Background
13999     }
14000     \tl_if_blank:VF\g_mix_flashvars_tl{
14001       /FlashVars~(\g_mix_flashvars_tl)
14002     }
14003     >>
14004   }
14005 }
14006 \tl_if_empty:NF\g_mix_usrlabel_tl{
14007   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
14008 }
14009 \mix_pdfobj:nnn{}{dict}{
14010   /Type/RichMediaConfiguration
14011   /Subtype/\g_mix_mainassetsub_tl
14012   /Instances~[\mix_pdflastobj:]
14013 }

```



```

14014 \mix_pdfobj:nnn(){dict}{
14015 /Type/RichMediaContent
14016 /Assets~<</Names~[\g_mix_assets_tl]>>
14017 /Configurations~[\mix_pdflastobj:]
14018 \bool_if:nT{
14019 \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14020 }{
14021 /Views~[\l_mix_iiidviewarray_tl]
14022 }
14023 }
14024 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14025 \bool_if:nT{
14026 \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
14027 }{
14028 \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14029 }
14030 %determine floating window size
14031 \bool_if:NT\g_mix_opt_windowed_bool{
14032 \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14033 }
14034 \mix_pdfobj:nnn(){dict}{
14035 /Activation~<<
14036 /Condition\g_mix_act_tl
14037 \bool_if:nT{
14038 \g_mix_iiid_bool &&
14039 !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14040 }{%seems to work only with 3D content
14041 /Animation~<<
14042 /Subtype\g_mix_playtpe_tl
14043 /PlayCount~\g_mix_playcnt_tl
14044 /Speed~\g_mix_playspd_tl
14045 >>
14046 }
14047 \bool_if:nT{
14048 \g_mix_iiid_bool && (
14049 \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14050 )
14051 }{/View~\l_mix_dfltview_tl}
14052 /Presentation~<<
14053 /Transparent~\g_mix_transp_tl
14054 \bool_if:NTF\g_mix_opt_windowed_bool{
14055 /Style/Windowed
14056 /Window~<<
14057 /Width~<</Default~\tl_mix_fltdw>>
14058 /Height~<</Default~\tl_mix_fltht>>
14059 /Position~<<
14060 /HOffset~0/VOffset~0
14061 \str_case:x:nnF{\g_mix_winpos_tl}{
14062 {tl}{/VAlign/Near/HAlign/Near}
14063 {cl}{/VAlign/Center/HAlign/Near}

```



```

14064         {bl}{/VAlign/Far/HAlign/Near}
14065         {bc}{/VAlign/Far/HAlign/Center}
14066         {br}{/VAlign/Far/HAlign/Far}
14067         {cr}{/VAlign/Center/HAlign/Far}
14068         {tr}{/VAlign/Near/HAlign/Far}
14069         {tc}{/VAlign/Near/HAlign/Center}
14070     }{/HAlign/Center/VAlign/Center}
14071     >>
14072     >>
14073     }{
14074         /Style/Embedded
14075     }
14076     \bool_if:NTF\g_mix_iiid_bool{
14077         /Toolbar~\g_mix_tools_tl
14078         /NavigationPane~\g_mix_nav_tl
14079     }{
14080         /PassContextClick~\g_mix_contextclick_tl
14081     }
14082     >>
14083     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14084     >>
14085     /Deactivation~<</Condition\g_mix_deact_tl>>
14086 }
14087 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
14088 \tl_if_empty:NF\g_mix_usrlabel_tl{
14089     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14090 }
14091 % #1:width, #2:height, #3:depth, #4:content (key-value)
14092 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14093     /Subtype/RichMedia
14094     /F~4
14095     /BS~<</W~0/S/S>>
14096     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14097     /NM~(\g_mix_label_tl)
14098     /AP~<</N~\g_mix_appearance_tl>>
14099     /RichMediaSettings~\l_mix_settings_tl
14100     /RichMediaContent~\l_mix_content_tl
14101 }
14102 \tl_if_empty:NF\g_mix_usrlabel_tl{
14103     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14104     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14105         \noexpand\the\g@mix@page@int}
14106 }
14107 \mix_pdfobj:nnn{}{dict}{
14108     /S/JavaScript/JS~(
14109     try{
14110         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14111         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14112             annotRM['\g_mix_label_tl']=
14113             this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');

```



```

14114     }
14115     \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14116       if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14117         var~ocgs=this.getOCGs(this.pageNum);
14118         for(var~i=0;i<ocgs.length;i++){
14119           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14120             var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14121           }
14122         }
14123       }
14124       if(
14125         !annotRM['\g_mix_label_tl'].activated&&(
14126           app.viewerType=='Reader' ||
14127           app.viewerType=='Exchange' ||
14128           app.viewerType=='Exchange-Pro'
14129         )&&app.viewerVersion>=9
14130       ){
14131         ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14132       }
14133     }
14134   }catch(e){}
14135   this.dirty=false;
14136 )
14137 }
14138 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14139   /Subtype/Widget
14140   /FT/Btn/Ff~65537/F~2
14141   /BS~<</W~0>>
14142   /T~(fd@\g_mix_label_tl)
14143   /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14144 }
14145 \mix_appendtofields:n{\mix_pdflastann:}
14146 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14147 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14148   \hbox_to_wd:nn{\g_mix_wd_tl}{
14149     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14150   }
14151 }{%insert play button overlay
14152   \mix_insert_btnocg: %create OCG
14153   \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14154   \group_begin:
14155   \cs_if_exist:NT\textdir{\textdir TLT}
14156   \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14157   \box_move_down:nn{\g_mix_dp_tl}{
14158     \hbox_to_wd:nn{\g_mix_wd_tl}{
14159       \vbox_to_ht:nn{\g_mix_tt_tl}{
14160         \vss
14161         \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14162         \box_use:N\l_mix_pbtn_box
14163         \ocgbase_oc_emc:

```



```

14164     }
14165   }
14166 }
14167 \group_end:
14168 }
14169 \int_gincr:N\g_mix_rmcnt_int
14170 }
14171 \mix_endLTR:
14172 \group_end:
14173 }
14174 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14175 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14176
14177 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
14178   \mix_uribegin:
14179   \group_begin:
14180   \mix_beginLTR:
14181   \leavevmode
14182   %reset various variables
14183   \tl_gclear:N\g_mix_overbtn_tl
14184   \tl_gclear:N\g_mix_downbtn_tl
14185   \tl_gclear:N\g_mix_btnactions_tl
14186   \tl_gclear:N\g_mix_tooltip_tl
14187   %process options
14188   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14189   \mix_uribegin: %treat URI characters correctly
14190   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14191   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14192   \mix_uribegin:
14193   %normal button appearance
14194   \%hbox_set:Nn\l_mix_poster_box{#2}
14195   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14196   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14197   \tl_set:Nx\height {\dim_use:N\box_ht:N\l_mix_poster_box}
14198   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14199   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14200     \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
14201       \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14202     \mix_pdfxform:n{\l_mix_poster_box}
14203     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14204     %insert widget annotation
14205     \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14206       /Subtype/Widget
14207       /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14208       \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14209       /FT/Btn/Ff~65536
14210       \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14211       /AP~<<
14212       /N~\g_mix_normalbtn_tl
14213       \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}

```



```

14214      \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14215      >>
14216      /MK~<<
14217      /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14218      /I~\g_mix_normalbtn_tl
14219      \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14220      \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14221      >>
14222      /A~<<
14223      /S/JavaScript/JS~(app.focusRect=false;)
14224      %sequence of actions to perform
14225      \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14226      >>
14227      }
14228      \mix_appendtofields:n{\mix_pdflastann:}
14229      \hbox_to_wd:nn{\width}{
14230        \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14231      }
14232      \int_gincr:N\g_mix_mbtncnt_int
14233    }
14234    \mix_endLTR:
14235    \group_end:
14236  }
14237
14238  \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14239  \tl_set:Nn\mediabutton{\mix_urbegin:\l_mix_mediabutton_tl}
14240
14241

```

81 File memoir-xetex-bidi.def

```

14242 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for Xe
14243 \renewcommand{\keepthetitle}{%
14244   \@bsmtitleempty
14245   \global\let\thanks\relax
14246   \global\let\LTRthanks\relax
14247   \global\let\RTLthanks\relax
14248   \global\let\and\relax
14249   \global\let\andnext\relax
14250   \global\let\@thanks\@empty
14251   \global\let\@title\@empty
14252   \global\let\@author\@empty
14253   \global\let\@date\@empty}
14254 \renewcommand{\maketitle}{\par
14255   \begingroup
14256     \@bsmarkseries
14257     \def\@makefnmark{\@textsuperscript{%
14258       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
14259     \long\def\@makefntext##1{\makethanksmark ##1}
14260     \if@twocolumn

```



```

14261 \ifnum \col@number=\@ne
14262 \maketitle
14263 \else
14264 \twocolumn[\maketitle]%
14265 \fi
14266 \else
14267 \ifdim\pagetotal>\z@
14268 \newpage
14269 \fi
14270 \global\@topnum\z@
14271 \maketitle
14272 \fi
14273 \thispagestyle{title}\@thanks
14274 \endgroup
14275 \bscontmark % \setcounter{footnote}{0}%
14276 }
14277 \renewcommand*{\memRTLleftskip}{\if@RTL\righskip\else\leftskip\fi}
14278 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\righskip\fi}
14279 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
14280 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
14281 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14282 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14283 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14284 \renewcommand*{\thesubsection}{%
14285 \thesection\@SepMark\@arabic\c@subsection}
14286 \renewcommand*{\thesubsubsection}{%
14287 \thesubsection\@SepMark\@arabic\c@subsubsection}
14288 \renewcommand*{\theparagraph}{%
14289 \thesubsubsection\@SepMark\@arabic\c@paragraph}
14290 \renewcommand*{\thesubparagraph}{%
14291 \theparagraph\@SepMark\@arabic\c@subparagraph}
14292 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14293 \renewcommand{\theequation}{%
14294 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14295 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14296 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14297 \ifartopt
14298 \chapterstyle{article}
14299 \counterwithout{figure}{chapter}
14300 \counterwithout{table}{chapter}
14301 \counterwithout{footnote}{chapter}
14302 \counterwithout{equation}{chapter}
14303 \renewcommand{\chaptername}{\}
14304 \renewcommand{\maketitlehookb}{%
14305 \vskip -1.5\topsep\vskip -1.5\partopsep}
14306 \renewcommand{\maketitlehookc}{%
14307 \vskip -1.5\topsep\vskip -1.5\partopsep}
14308 \fi
14309 \long\def\@makecaption#1#2{\let\@memtempa\relax
14310 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip

```



```

14311 \else \def\@memtempa{\vbox to\topskip{}}\fi
14312 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
14313 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
14314 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14315 \let\footnote\@contfnote
14316 \let\footnotemark\@contfmark
14317 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14318 \if@contcw
14319 \centering
14320 \parbox{\@contcwidth}{%
14321 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14322 \fi
14323 \ifdim\wd\@tempboxa<\linewidth
14324 \@contpre
14325 {\@contnfont #1\@contdelim}\@memtempa
14326 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14327 \else
14328 \if@conthang
14329 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14330 \@contpre%
14331 {\@contcstyle\hangindent=\wd\@tempboxa
14332 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14333 \else
14334 \if@contindent
14335 \@contpre%
14336 {\@contnfont #1\@contdelim}\@memtempa
14337 {\@contcstyle\hangindent=\@contindw
14338 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14339 \else
14340 \@contpre%
14341 {\@contnfont #1\@contdelim}\@memtempa
14342 {\@contcstyle \@conttfont #2\@contfinal\par}
14343 \fi
14344 \fi
14345 \fi
14346 \@contpost
14347 \if@contcw
14348 \par
14349 } % end of the \parbox
14350 \fi
14351 \vskip\belowcaptionskip}
14352 \ifpackageloaded{caption}{%
14353 \AtBeginPackage{caption}{
14354 \ClassWarningNoLine{memoir}{%
14355 You are using the caption package with the memoir \MessageBreak
14356 class. This may cause unexpected or inconsistent \MessageBreak
14357 results if you use any of memoir's captioning facilities}
14358 }
14359 \long\def\@makecaption##1##2{%
14360 \vskip\abovecaptionskip

```




```

14361 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14362 \ifdim \wd\@tempboxa >\hsize
14363 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14364 \else
14365 \global \@minipagefalse
14366 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14367 \fi
14368 \vskip\belowcaptionskip}
14369
14370 \def\caption{%
14371 \ifx\@capttype\@undefined
14372 \latex@error{\noexpand\caption outside float}\@ehd
14373 \expandafter\@gobble
14374 \else
14375 \refstepcounter\@capttype
14376 \expandafter\@firstofone
14377 \fi
14378 {\@dblarg{\@caption\@capttype}}%
14379 }
14380
14381 \long\def\@caption##1[##2]##3{%
14382 \par
14383 \addcontentsline{\csname ext@##1\endcsname}{##1}%
14384 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
14385 \begingroup
14386 \@parboxrestore
14387 \if@minipage
14388 \setminipage
14389 \fi
14390 \normalsize
14391 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14392 \endgroup}
14393 }{}
14394 \renewenvironment{thebibliography}[1]{%
14395 \bibsection
14396 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14397 \bidi@thebibliography@font@hook%
14398 \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

82 File midfloat-xetex-bidi.def

```

14399 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14400 \def\RTL@outputdblcol{%
14401 \if@firstcolumn
14402 \global \@firstcolumnfalse
14403 \global\setbox\@leftcolumn\copy\@outputbox
14404 \splitmaxdepth\maxdimen
14405 \vbadness\maxdimen
14406 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14407 \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```



```

14408 \toks@expandafter{\topmark}%
14409 \xdef\@firstcoltopmark{\the\toks@}%
14410 \toks@expandafter{\splitfirstmark}%
14411 \xdef\@firstcolfirstmark{\the\toks@}%
14412 \ifx\@firstcolfirstmark\@empty
14413   \global\let\@setmarks\relax
14414 \else
14415   \gdef\@setmarks{%
14416     \let\firstmark\@firstcolfirstmark
14417     \let\topmark\@firstcoltopmark}%
14418 \fi
14419 \global\c@colht\@colht\global\c@addvipersep\z@
14420 \ifnum\jua@sk>0
14421   \remove@strip\jua@sar
14422   \global\@colht\the\jua@pr
14423   \ifdim\right@cor>\z@
14424     \global\advance\@colht by\right@cor
14425   \fi
14426   \global\advance\@colht by\cor@height
14427   \global\cor@height=0pt
14428 \fi
14429 \global \setbox\@rightcolumn \vbox{%
14430 \else
14431   \ifdim\c@colht>\@colht
14432     \@tempdima\@colht
14433     \ifdim\@colht>\z@
14434       \global\setbox\@rightcolumn \vbox{%
14435         \unvbox\@rightcolumn
14436         \vbox to\@tempdima{%
14437           \vskip\c@addvipersep\unvbox\@outputbox}%
14438         \vskip\stripsep
14439         \vrule height\the\jua@ht width 0pt depth 0pt
14440         \vskip\stripsep
14441       }%
14442       \global\c@addvipersep\m@addvipersep
14443     \else
14444       \global\setbox\@rightcolumn \vbox{%
14445         \unvbox\@rightcolumn
14446         \vrule height\the\jua@ht width 0pt depth 0pt
14447         \vskip\stripsep
14448       }%
14449     \fi
14450   \ifnum\jua@sk>0
14451     \remove@strip\jua@sar
14452     \global\@colht\the\jua@pr
14453     \global\advance\@colht by -\ht\@rightcolumn
14454     \global\advance\@colht by\cor@height
14455     \global\cor@height=0pt
14456   \else
14457     \global\advance\c@colht by-\ht\@rightcolumn

```



```

14458          \global\@colht\c@colht
14459      \fi
14460  \else
14461  \global\@firstcolumntrue
14462  \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14463      \unvbox\@rightcolumn
14464      \vskip\c@addvipersep
14465      \unvbox\@outputbox
14466      }%
14467  \setbox\@outputbox \vbox {%
14468      \hb@xt@\textwidth {%
14469          \hskip \columnwidth
14470          \hfil
14471          \vrule \@width\columnseprule
14472          \hfil
14473          \hb@xt@\columnwidth {%
14474              \bidi@firstcolumn@status@write%
14475              \box\@leftcolumn \hss}%
14476          \hskip-\textwidth
14477          \hb@xt@\columnwidth {%
14478              \bidi@lastcolumn@status@write%
14479              \box\@outputbox \hss}%
14480          \hskip\columnwidth
14481          \hskip\columnsep}%
14482      }%
14483  \@combinedblfloats
14484  \@setmarks
14485  \@outputpage
14486  \begingroup
14487  \@dblfloatplacement
14488  \@startdblcolumn
14489  \@whiles\if@fcolmade \fi
14490      {\@outputpage
14491       \@startdblcolumn}%
14492  \endgroup
14493  \global\jua@sk=0\global\jua@sar={}
14494  \global\cor@height\z@\global\c@addvipersep\z@
14495  \fi
14496  \fi
14497 }
14498
14499
14500 \def\LTR@outputdblcol{%
14501   \if@firstcolumn
14502     \global \@firstcolumnfalse
14503     \global\setbox\@leftcolumn\copy\@outputbox
14504     \splitmaxdepth\maxdimen
14505     \vbadness\maxdimen
14506     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14507     \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```



```

14508 \toks@expandafter{\topmark}%
14509 \xdef\@firstcoltopmark{\the\toks@}%
14510 \toks@expandafter{\splitfirstmark}%
14511 \xdef\@firstcolfirstmark{\the\toks@}%
14512 \ifx\@firstcolfirstmark\@empty
14513   \global\let\@setmarks\relax
14514 \else
14515   \gdef\@setmarks{%
14516     \let\firstmark\@firstcolfirstmark
14517     \let\topmark\@firstcoltopmark}%
14518 \fi
14519 \global\c@colht\@colht\global\c@addvipersep\z@
14520 \ifnum\jua@sk>0
14521   \remove@strip\jua@sar
14522   \global\@colht\the\jua@pr
14523   \ifdim\right@cor>\z@
14524     \global\advance\@colht by\right@cor
14525   \fi
14526   \global\advance\@colht by\cor@height
14527   \global\cor@height=0pt
14528 \fi
14529 \global \setbox\@rightcolumn \vbox{%
14530 \else
14531   \ifdim\c@colht>\@colht
14532     \@tempdima\@colht
14533     \ifdim\@colht>\z@
14534       \global\setbox\@rightcolumn \vbox{%
14535         \unvbox\@rightcolumn
14536         \vbox to\@tempdima{%
14537           \vskip\c@addvipersep\unvbox\@outputbox}%
14538         \vskip\stripsep
14539         \vrule height\the\jua@ht width 0pt depth 0pt
14540         \vskip\stripsep
14541       }%
14542       \global\c@addvipersep\m@addvipersep
14543     \else
14544       \global\setbox\@rightcolumn \vbox{%
14545         \unvbox\@rightcolumn
14546         \vrule height\the\jua@ht width 0pt depth 0pt
14547         \vskip\stripsep
14548       }%
14549   \fi
14550   \ifnum\jua@sk>0
14551     \remove@strip\jua@sar
14552     \global\@colht\the\jua@pr
14553     \global\advance\@colht by -\ht\@rightcolumn
14554     \global\advance\@colht by\cor@height
14555     \global\cor@height=0pt
14556   \else
14557     \global\advance\c@colht by-\ht\@rightcolumn

```



```

14558             \global\@colht\c@colht
14559         \fi
14560     \else
14561     \global\@firstcolumntrue
14562     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14563         \unvbox\@rightcolumn
14564         \vskip\c@addvipersep
14565         \unvbox\@outputbox
14566     }%
14567     \setbox\@outputbox \vbox {%
14568         \hb@xt@\textwidth {%
14569             \hb@xt@\columnwidth {%
14570                 \bidi@firstcolumn@status@write%
14571                 \box\@leftcolumn \hss}%
14572             \hfil
14573             \vrule \@width\columnseprule
14574             \hfil
14575             \hb@xt@\columnwidth {%
14576                 \bidi@lastcolumn@status@write%
14577                 \box\@outputbox \hss}%
14578             }%
14579         }%
14580     \@combinedblfloats
14581     \@setmarks
14582     \@outputpage
14583     \beginngroup
14584     \@dblfloatplacement
14585     \@startdblcolumn
14586     \@whiles\if@fcolmade \fi
14587     {\@outputpage
14588     \@startdblcolumn}%
14589     \endgroup
14590     \global\jua@sk=0\global\jua@sar={}%
14591     \global\cor@height\z@\global\c@addvipersep\z@
14592     \fi
14593 \fi
14594 }
14595
14596
14597 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14598 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14599     \hsize\textwidth
14600     \@parboxrestore
14601     \col@number \@ne
14602     \vrule height\topskip width0pt depth0pt
14603 }
14604
14605 \def\endstrip{%
14606     \egroup\egroup
14607     \if@firstcolumn

```



```

14608         \ifdim\pagetotal>\z@
14609             \vskip\stripsep
14610             \global\ht@strip\pagegoal
14611             \global\advance\ht@strip by-\pagetotal
14612             \global\advance\ht@strip by-\stripsep
14613             \global\advance\ht@strip by-\ht\@viper
14614             \global\advance\ht@strip by-\stripsep
14615             \global\jua@ht=\ht\@viper
14616         \else
14617             \global\ht@strip\z@
14618         \fi
14619     \ifdim\ht@strip>\z@
14620         \unvbox\@viper
14621         \vskip\stripsep
14622         \add@strip{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14623         \global\advance\jua@sk by1
14624     \else
14625         \@latex@error{Strip needs more place!}\@ehc
14626         \if@vihproof
14627             \framebox[\columnwidth]{??? Strip ???}%
14628         \fi
14629     \fi
14630 \else
14631     \@latex@error{Strip is used only on left column!}\@ehc
14632     \if@vihproof
14633         \framebox[\columnwidth]{??? Strip ???}%
14634     \fi
14635 \fi
14636 }

```

83 File minitoc-xetex-bidi.def

```

14637 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14638 \def\@undottedtocline#1#2#3#4#5{%
14639     \ifnum #1>\c@tocdepth\relax \else
14640         \vskip \z@ plus.2\p@
14641         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
14642         \parindent #2\relax\@afterindenttrue
14643         \interlinepenalty\@M
14644         \leavevmode
14645         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
14646         \hskip -\if@RTL\righskip\else\leftskip\fi
14647         #4\nobreak\hfill \nobreak
14648         \null\par}%
14649     \fi}
14650 \def\@Undottedtocline#1#2#3#4#5{%
14651     \ifnum #1>\c@tocdepth\relax \else
14652         \vskip \z@ \@plus.2\p@
14653         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
14654         \parindent #2\relax\@afterindenttrue

```



```

14655 \interlinepenalty\@M
14656 \leavevmode
14657 \@tempdima #3\relax
14658 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14659 {\coffefont #4}\nobreak \nobreak\null
14660 \par}%
14661 \fi}
14662 \def\@Undottedtoclinep#1#2#3#4#5{%
14663 \ifnum #1>\c@tocdepth\relax \else
14664 \vskip \z@ \@plus.2\p@
14665 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
14666 \parindent #2\relax\@afterindenttrue
14667 \interlinepenalty\@M
14668 \leavevmode
14669 \@tempdima #3\relax
14670 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14671 {#4}\nobreak \hfill \nobreak\null
14672 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
14673 \par}%
14674 \fi}

```

84 File multicol-xetex-bidi.def

```

14675 \ProvidesFile{multicol-xetex-bidi.def}[2016/11/27 v0.8 bidi adaptations for multicol package]
14676 \def\page@sofar{%
14677 \process@cols\mult@rightbox
14678 {\ifvoid\count@
14679 \setbox\count@\hbox to\hsize{%
14680 \else
14681 \wd\count@\hsize
14682 \fi}%
14683 \count@\col@number \advance\count@\m@ne
14684 \mult@info\z@
14685 {Column spec: \the\full@width\space = indent
14686 + columns + sep =\MessageBreak
14687 \the\multicol@leftmargin\space
14688 + \the\col@number\space
14689 x \the\hsize\space
14690 + \the\count@\space
14691 x \the\columnsep
14692 }%
14693 \ifvmode\else\errmessage{Multicol Error}\fi
14694 \nointerlineskip
14695 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
14696 \moveright\multicol@leftmargin
14697 \hbox to\full@width{%
14698 \bidi@multicol@align@columns
14699 \rlap{\phantom p}%
14700 }%
14701 \prevdepth\z@

```



```

14702 \kern-\dimen\tw@
14703 \ifdim\dimen\tw@ > \mc@gridwarn
14704   \PackageWarning{multicol}%
14705     {Very deep columns!\MessageBreak
14706       Grid alignment might be broken}%
14707 \fi
14708 }
14709 \def\LTR@column@boxes{%
14710   \process@cols\mult@gfirstbox{%
14711     \ifdim\dp\count@>\dimen\tw@
14712       \global\dimen\tw@\dp\count@ \fi
14713     \mc@col@status@write
14714     \box\count@
14715     \hss{\columnseprulecolor\vrule
14716       \@width\columnseprule}\hss}%
14717   \ifdim\dp\mult@rightbox>\dimen\tw@
14718     \global\dimen\tw@\dp\mult@rightbox \fi
14719   \mc@lastcol@status@write
14720   \box\mult@rightbox
14721 }
14722
14723 \def\RTL@column@boxes{%
14724   \ifnum\col@number<\tw@
14725     \LTR@column@boxes
14726   \else
14727     \process@cols\mult@gfirstbox{%
14728       \hskip\hsize
14729       \hss{\columnseprulecolor\vrule
14730         \@width\columnseprule}\hss
14731     }%
14732     \hskip\hsize
14733     \process@cols\mult@gfirstbox{%
14734       \ifdim\dp\count@>\dimen\tw@
14735         \global\dimen\tw@\dp\count@ \fi
14736       \hskip-\hsize
14737       \mc@col@status@write
14738       \box\count@
14739       \hskip-\hsize
14740       \hskip-\columnsep
14741     }%
14742     \ifdim\dp\mult@rightbox>\dimen\tw@
14743       \global\dimen\tw@\dp\mult@rightbox \fi
14744     \hskip-\hsize
14745     \mc@lastcol@status@write
14746     \box\mult@rightbox
14747     \hskip-\hsize
14748     \hskip\full@width
14749   \fi
14750 }
14751 \newcommand\RTLmulticolcolumns

```




```

14752 {\let\ bidi@multicol@align@columns
14753 \RTL@column@boxes}
14754 \newcommand\LTRmulticolcolumns
14755 {\let\ bidi@multicol@align@columns
14756 \LTR@column@boxes}
14757 \newcommand\ bidi@multicol@align@columns
14758 {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14759 \def\multicols#1{\col@number#1\relax
14760 \ifnum\col@number<\tw@
14761 \PackageWarning{multicol}%
14762 {Using ~\number\col@number'
14763 columns doesn't seem a good idea.^~J
14764 I therefore use two columns instead}%
14765 \col@number\tw@ \fi
14766 \ifnum\col@number>10
14767 \PackageError{multicol}%
14768 {Too many columns}%
14769 {Current implementation doesn't
14770 support more than 10 columns.%
14771 \MessageBreak
14772 I therefore use 10 columns instead}%
14773 \col@number10 \fi
14774 \ifx\@footnotetext\mult@footnotetext\else
14775 \let\orig@footnotetext\@footnotetext
14776 \let\@footnotetext\mult@footnotetext
14777 \fi
14778 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14779 \let\orig@LTRfootnotetext\@LTRfootnotetext
14780 \let\@LTRfootnotetext\mult@LTRfootnotetext
14781 \fi
14782 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14783 \let\orig@RTLfootnotetext\@RTLfootnotetext
14784 \let\@RTLfootnotetext\mult@RTLfootnotetext
14785 \fi
14786 \@ifnextchar[\mult@cols{\mult@cols[]}]
14787 \long\def\mult@footnotetext#1{\begingroup
14788 \hsize\textwidth
14789 \columnwidth\textwidth
14790 \orig@footnotetext{#1}\endgroup}
14791 \long\def\mult@LTRfootnotetext#1{\begingroup
14792 \hsize\textwidth
14793 \columnwidth\textwidth
14794 \orig@LTRfootnotetext{#1}\endgroup}
14795 \long\def\mult@RTLfootnotetext#1{\begingroup
14796 \hsize\textwidth
14797 \columnwidth\textwidth
14798 \orig@RTLfootnotetext{#1}\endgroup}
14799 \def\right@footnoterule{%
14800 \kern-3\p@
14801 \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }

```



```

14802 \kern2.6\p@}
14803 \def\textwidth@footnoterule{\kern-3\p@
14804 \hrule \@width \textwidth \kern 2.6\p@}

```

85 File multienum-xetex-bidi.def

```

14805 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
14806 \renewcommand{\itemx}[1]{\parbox[t]{%
14807 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14808 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
14809 \renewcommand{\itemxx}[2]{\parbox[t]{%
14810 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14811 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14812 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14813 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
14814 \renewcommand{\itemxxx}[3]{\parbox[t]{%
14815 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14816 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14817 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14818 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
14819 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14820 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
14821 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
14822 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14823 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14824 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14825 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14826 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14827 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
14828 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14829 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
14830 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
14831 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14832 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
14833 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14834 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
14835 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14836 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
14837 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14838 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
14839 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14840 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
14841 \renewcommand{\itemxox}[2]{\parbox[t]{%
14842 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14843 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14844 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14845 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
14846 \renewcommand{\itemxox}[2]{\parbox[t]{%
14847 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14848 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%

```



```

14849 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14850 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
14851 \renewcommand{\itemxxx}[3]{\parbox[t]{%
14852 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14853 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14854 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14855 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14856 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14857 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14858 \renewcommand{\itemxxox}[3]{\parbox[t]{%
14859 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14860 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14861 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14862 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
14863 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14864 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14865 \renewcommand{\itemxxox}[3]{\parbox[t]{%
14866 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14867 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14868 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14869 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14870 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14871 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

86 File natbib-xetex-bidi.def

```

14872 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X
14873 \renewenvironment{thebibliography}[1]{%
14874 \bibsection
14875 \parindent\z@
14876 \bibpreamble
14877 \bibfont
14878 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14879 \bidi@@thebibliography@font@hook%
14880 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
14881 \ifNAT@openbib
14882 \renewcommand\newblock{\par}%
14883 \else
14884 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
14885 \fi
14886 \sloppy\clubpenalty4000\widowpenalty4000
14887 \sfcode`. \m
14888 \let\NAT@bibitem@first@sw\@firstoftwo
14889 \let\citeN\cite \let\shortcite\cite
14890 \let\citeasnoun\cite
14891 }{%
14892 \bibitem@fin
14893 \bibpostamble
14894 \def\@noitemerr{%
14895 \PackageWarning{natbib}{Empty `thebibliography' environment}%

```



```

14896 }%
14897 \endlist
14898 \bibcleanup
14899 }%

```

87 File newfloat-xetex-bidi.def

```

14900 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
14901 \renewcommand*{\newfloat@setwithin}[2]{%
14902   \ifcsname c@chapter\endcsname
14903     \@removefromreset{#1}{chapter}%
14904   \fi
14905   \@removefromreset{#1}{section}%
14906   \edef\@tempa{#2}%
14907   \ifx\@tempa\@empty
14908     \def\@tempa{none}%
14909   \fi
14910   \def\@tempb{none}%
14911   \ifx\@tempa\@tempb
14912     \ifcsname c@chapter\endcsname
14913       \@chapterlistsgap@off{#1}%
14914     \fi
14915     \newfloat@@setwithin{#1}{\@tempa}%
14916   \else
14917     \def\@tempb{chapter}%
14918     \ifx\@tempa\@tempb
14919       \@addtoreset{#1}{chapter}%
14920       \@chapterlistsgap@on{#1}%
14921       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
14922     \else
14923       \def\@tempb{section}%
14924       \ifx\@tempa\@tempb
14925         \@addtoreset{#1}{section}%
14926         \ifcsname c@chapter\endcsname
14927           \@addtoreset{#1}{chapter}%
14928           \@chapterlistsgap@on{#1}%
14929         \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
14930       \else
14931         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
14932       \fi
14933     \else
14934       \newfloat@Error{Invalid value `#2' for option `within'}%
14935     \fi
14936   \fi
14937 \fi}

```

88 File ntheorem-xetex-bidi.def

```

14938 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
14939 \gdef\@thm#1#2#3{%

```



```

14940 \if@thmmarks
14941   \stepcounter{end\InTheoType ctr}%
14942 \fi
14943 \renewcommand{\InTheoType}{#1}%
14944 \if@thmmarks
14945   \stepcounter{curr#1ctr}%
14946   \setcounter{end#1ctr}{0}%
14947 \fi
14948 \refstepcounter{#2}%
14949 \theorem@prework
14950 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14951 \ifvmode \advance\thm@topsepadd\partopsep\fi
14952 \trivlist
14953 \@topsep \theorempreskipamount
14954 \@topsepadd \thm@topsepadd % used by \@endparenv
14955 \advance\linewidth -\theorem@indent
14956 \advance\@totalleftmargin \theorem@indent
14957 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14958 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

89 File ntheorem-hyper-xetex-bidi.def

```

14959 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
14960 \gdef\@thm#1#2#3{%
14961   \if@thmmarks
14962     \stepcounter{end\InTheoType ctr}%
14963   \fi
14964   \renewcommand{\InTheoType}{#1}%
14965   \if@thmmarks
14966     \stepcounter{curr#1ctr}%
14967     \setcounter{end#1ctr}{0}%
14968   \fi
14969   \refstepcounter{#2}%
14970   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14971   \ifvmode \advance\thm@topsepadd\partopsep\fi
14972   \trivlist
14973   \@topsep \theorempreskipamount
14974   \@topsepadd \thm@topsepadd % used by \@endparenv
14975   \advance\linewidth -\theorem@indent
14976   \advance\@totalleftmargin \theorem@indent
14977   \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14978   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

90 File overpic-xetex-bidi.def

```

14979 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package fo
14980 \renewenvironment{overpic}[2][\]{%
14981   \sbox{\z@}{\includegraphics[#1]{#2}}%
14982   \settodepth{\@tempcnta}{\usebox{\z@}}%
14983   \settoheight{\@tempcntb}{\usebox{\z@}}%

```



```

14984 \advance\@tempcntb\@tempcnta%
14985 \settowidth{\@tempcnta}{\usebox{\z@}}%
14986 \setlength{\@tempdima}{\unitlength}%
14987 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14988 %
14989 \OVP@calc%
14990 %
14991 \begin{picture}(\@tempcnta,\@tempcntb)%
14992 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
14993 \ifGin@grid%
14994 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14995 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14996 \fi\fi%
14997 % reset the graphics parameter
14998 \let\Gin@outer@scalex\relax
14999 \let\Gin@outer@scaley\relax
15000 \let\Gin@angle\relax
15001 \let\Gin@ewidth\Gin@exclamation
15002 \let\Gin@eheight\Gin@ewidth
15003 \def\Gin@scalex{1}
15004 \let\Gin@scaley\Gin@exclamation
15005 }{%
15006 \if@RTL\ifGin@grid%
15007 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15008 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15009 \fi%
15010 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
15011 \end{picture}%
15012 }%

```

91 File pdfbase-xetex-bidi.def

```

15013 \ProvidesFile{pdfbase-xetex-bidi.def}[2017/08/27 v0.1 bidi adaptations for pdfbase package for
15014 \ExplSyntaxOn
15015 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
15016 \cs_set_nopar:Npn\@outputpage{
15017 \int_gincr:N\g_pbs_page_int
15018 \iow_now:Nx\@mainaux{
15019 \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
15020 }
15021 \box_if_vertical:cTF{\outputbox}{
15022 \bool_set_true:N\l_pbs_is_vertical_bool
15023 }{
15024 \bool_set_false:N\l_pbs_is_vertical_bool
15025 }
15026 \hbox_set:Nn\@outputbox{
15027 %begin of page
15028 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
15029 \box_use_clear:N\@outputbox
15030 %end of page

```



```

15031 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15032 %end of dvi
15033 \int_compare:nT{\pbs@last@page=\g_pbs_page_int}{
15034 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eod_seq{##1}}
15035 }
15036 }
15037 \bool_if:NT\l_pbs_is_vertical_bool{
15038 \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
15039 }
15040 %insert /Properties into current page's resources
15041 \pbs_insert_properties_entry:
15042 \pbs_outputpage_orig:
15043 }
15044 \ExplSyntaxOff

```

92 File pdfpages-xetex-bidi.def

```

15045 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
15046 \renewcommand*{\includepdf}[2][{}]{%
15047 \begingroup
15048 \@RTLfalse
15049 \let\AM@threadname\relax
15050 \AM@split@options{pdfpages}{#1}%
15051 \edef\AM@temp{\pdfpages{\the\@temptokena}}%
15052 \expandafter\setkeys\AM@temp
15053 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
15054 \let\AM@currentdocname\relax
15055 \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
15056 \def\AM@pagecount{0}%
15057 }{%
15058 \AM@findfile{#2}%
15059 \if\AM@threadname\relax
15060 \def\AM@threadname{\AM@currentdocname}%
15061 \fi
15062 }%
15063 \ifAM@survey
15064 \def\AM@pagestemp{}%
15065 \@tempcnta=0
15066 \def\foo{%
15067 \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
15068 {\let\foo\relax}
15069 {\expandafter\ifx\expandafter\\AM@pagestemp\
15070 \edef\AM@pagestemp{%
15071 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15072 \else
15073 \edef\AM@pagestemp{\AM@pagestemp,%
15074 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15075 \fi
15076 \advance\@tempcnta 1\relax
15077 }%

```



```

15078     \foo
15079   }%
15080   \foo
15081   \expandafter\ifx\expandafter\\AM@pagetemp\\
15082     \def\AM@pagetemp{1}%
15083   \fi
15084 \fi
15085 \ifAM@output
15086   \expandafter\AM@readlist\expandafter{\AM@pagetemp}%
15087   \AM@output{#1}%
15088 \fi
15089 \AM@CheckAtEnd
15090 \endgroup
15091 \AM@ClearShipoutPicture
15092 }

```

93 File pgfcorescopes.code-xetex-bidi.def

```

15093 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
15094 \def\pgfpicture{%
15095   \begingroup%
15096   \ifmmode\else\@RTLfalse\beginL\fi%
15097   \pgfpicturetrue%
15098   \global\advance\pgf@picture@serial@count by1\relax%
15099   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
15100   \let\pgf@nodecallback=\pgfutil@gobble%
15101   \pgf@picmaxx=-16000pt\relax%
15102   \pgf@picminx=16000pt\relax%
15103   \pgf@picmaxy=-16000pt\relax%
15104   \pgf@picminy=16000pt\relax%
15105   \pgf@relevantforpicturesize>true%
15106   \pgf@resetpathsizes%
15107   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
15108 \def\endpgfpicture{%
15109     \ifpgfrememberpicturepositiononpage%
15110       \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
15111     \fi%
15112     % ok, now let's position the box
15113     \ifdim\pgf@picmaxx=-16000pt\relax%
15114       % empty picture. make size 0.
15115       \global\pgf@picmaxx=0pt\relax%
15116       \global\pgf@picminx=0pt\relax%
15117       \global\pgf@picmaxy=0pt\relax%
15118       \global\pgf@picminy=0pt\relax%
15119     \fi%
15120     % Shift baseline outside:
15121     \pgf@relevantforpicturesize>false%
15122     \pgf@process{\pgf@baseline}%
15123     \xdef\pgf@shift@baseline{\the\pgf@y}%
15124     %

```




```

15125      \pgf@process{\pgf@trimleft}%
15126      \global\advance\pgf@x by-\pgf@picminx
15127      % prepare \hskip\pgf@trimleft@final.
15128      % note that \pgf@trimleft@final is also queried
15129      % by the pgf image externalization.
15130      \xdef\pgf@trimleft@final{-\the\pgf@x}%
15131      %
15132      \pgf@process{\pgf@trimright}%
15133      \global\advance\pgf@x by-\pgf@picmaxx
15134      % prepare \hskip\pgf@trimright@final.
15135      % note that \pgf@trimright@final is also queried
15136      % by the pgf image externalization.
15137      \xdef\pgf@trimright@final{\the\pgf@x}%
15138      %
15139      \pgf@remember@layerlist@globally
15140      \endgroup%
15141      \hss%
15142      \egroup%
15143      \pgf@restore@layerlist@from@global
15144      \pgf@insertlayers%
15145      \endgroup%
15146      \pgfsys@discardpath%
15147      \endgroup%
15148      \pgfsys@endscope%
15149      \pgfsys@endpicture%
15150      \endgroup%
15151      \hss
15152      \egroup%
15153      \pgfsys@typesetpicturebox\pgfpic%
15154      \ifmmode\else\endL\fi%
15155      \endgroup%
15156}

```

94 File picinpar-xetex-bidi.def

```

15157 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15158 \long\def\@makewincaption#1#2{%
15159   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15160   \ifdim\wd\@tempboxa>\picwd
15161     {\footnotesize{\bf #1:\enspace}{#2\par}}
15162   \else
15163     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15164   \fi}
15165 \def\endwindow{%
15166   \global\tcd=\tcdsav
15167   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15168   \vbadness=10000
15169   \splittopskip=0pt
15170}%
15171 % Typeset the lines above the window

```



```

15172 %
15173 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15174 \tcn=\tcd
15175 \loop\advance\tcn -1
15176 \setbox\fslice=\vsplit\holder to\baselineskip
15177 \prune\fslice\linewidth
15178 \topheight=0pt
15179 \ifnum\dp\fslice>\dp\wstrutbox
15180     \advance\topheight-\dp\fslice
15181     \advance\topheight\dp\wstrutbox
15182     \advance\topheight\ilg\fi
15183 \hbox to\linewidth{\box\fslice}
15184 \vskip-\topheight
15185 \ifdim\ht\holder>0pt\repeat
15186 \fi
15187 %
15188 % Now we build the boxes beside the window
15189 %
15190 \global\topheight=\tcl\baselineskip
15191 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15192     \global\topheight=\vpic
15193 \fi
15194 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15195 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15196 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15197 \tcn=\tcl \na=0 \nb=0
15198 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15199 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15200 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15201 \ifnum\na=0\ifnum\nb=0
15202     \setbox\waslice=\vbox to\vpic{\vss}
15203     \setbox\wbslice=\vbox to\vpic{\vss}
15204     \bl=1\br=1
15205     \vskip\ilg
15206 \fi\fi
15207 %
15208 % both sides
15209 %
15210 \ifnum\na>0 \ifnum\nb>0
15211 \loop\advance\nb -1
15212 \advance\na -1
15213 \if@RTL%
15214 \setbox\bslice=\vsplit\holder to\baselineskip
15215 \prune\bslice\rtside
15216 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15217 to\rtside{\box\bslice\hfil}}
15218 \setbox\aslice=\vsplit\holder to\baselineskip
15219 \prune\aslice\lftside
15220 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15221 to\lftside{\box\aslice\hfil}}

```



```

15222 \else%
15223 \setbox\aslice=\vsplit\holder to\baselineskip
15224 \prune\aslice\lftside
15225 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15226 to\lftside{\box\aslice\hfil}}
15227 \setbox\bslice=\vsplit\holder to\baselineskip
15228 \prune\bslice\rtside
15229 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15230 to\rtside{\box\bslice\hfil}}
15231 \fi%
15232 \ifnum\nb>0\repeat
15233 \fi\fi
15234 %
15235 % only text on the left side
15236 %
15237 \ifnum\na>0
15238   \loop\advance\na -1
15239   \setbox\aslice=\vsplit\holder to\baselineskip
15240   \prune\aslice\lftside
15241   \setbox\waslice=\vbox{\unvbox\waslice\hbox
15242   to\lftside{\box\aslice\hfil}}
15243   \ifdim\ht\holder>0pt\repeat
15244 \fi
15245 %
15246 % only text on the right side
15247 %
15248 \ifnum\nb>0
15249   \loop\advance\nb -1
15250   \setbox\bslice=\vsplit\holder to\baselineskip
15251   \prune\bslice\rtside
15252   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15253   to\rtside{\box\bslice\hfil}}
15254   \ifdim\ht\holder>0pt\repeat
15255 \fi
15256 %
15257 % fixing the dimensions of the window part
15258 %
15259 \ifnum\bl=0\topheight=\ht\wbslice
15260 \else\ifnum\br=0\topheight=\ht\waslice
15261   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15262   \else\topheight=\ht\wbslice\fi\fi\fi
15263 %
15264 % ship out the window material to the main vertical list
15265 %
15266 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15267 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15268 \fi\fi\fi
15269 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15270 \ifnum\bl>0\box\waslice\hfill\fi%
15271 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%

```



```

15272 \vfill\unvbox\picbox%
15273 \ifnum\picwd>0\vfill\fi%
15274 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15275 \unvbox\windowbox%
15276 \loop
15277 \setbox\bslice=\vsplit\rawtext to\baselineskip
15278 \prune\bslice\linewidth
15279 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15280 \unvbox\wbslice
15281 \ifdim\ht\rawtext>0pt
15282 \repeat
15283 }% FINITO

```

95 File plain-xetex-bidi.def

```

15284 \def\TeXXeTOn{\TeXXeTstate=1 }
15285 \def\TeXXeTOff{\TeXXeTstate=0 }
15286 \TeXXeTOn
15287 \def\usebox#1{\leavevmode\copy #1\relax}
15288 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
15289 \let\bidi@o@everypar=\everypar
15290 \newtoks\bidi@n@everypar
15291 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
15292 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
15293 \let\everypar=\bidi@n@everypar
15294 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15295 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15296 \protected\def\hboxR{\hbox\bgroup
15297 \everyhbox{%
15298 \aftergroup\egroup
15299 \everyhbox{}}%
15300 \beginR
15301 \@hboxRconstructtrue
15302 \bgroup
15303 \aftergroup\endR
15304 \aftergroup\egroup
15305 }\hbox}
15306 \protected\def\hboxL{\hbox\bgroup
15307 \everyhbox{%
15308 \aftergroup\egroup
15309 \everyhbox{}}%
15310 \beginL
15311 \@hboxRconstructfalse
15312 \bgroup
15313 \aftergroup\endL
15314 \aftergroup\egroup
15315 }\hbox}
15316 \protected\def\vboxR{\vbox\bgroup
15317 \everyvbox{%
15318 \aftergroup\egroup

```



```

15319 \everyvbox{}%
15320 \@RTLtrue
15321 \bgroup
15322 \aftergroup\egroup
15323 }\vbox}
15324 \protected\def\vboxL{\vbox\bgroup
15325 \everyvbox{}%
15326 \aftergroup\egroup
15327 \everyvbox{}%
15328 \@RTLfalse
15329 \bgroup
15330 \aftergroup\egroup
15331 }\vbox}
15332 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15333 \def\endLTR{\par}
15334 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15335 \def\endRTL{\par}
15336 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15337 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15338 \let\unsetRTL=\setLTR
15339 \let\unsetLTR=\setRTL
15340 \let\LR=\LRE
15341 \let\RL=\RLE
15342 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15343 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15344 \let\@ensure@RL=\@ensure@RTL
15345 \let\@ensure@LR=\@ensure@LTR
15346 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15347 \let\@ensure@maindir=\@ensure@dir
15348 \def\@@RTL{RTL}
15349 \def\@@LTR{LTR}
15350 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
15351 \def\reset@dir{\ifx\saved@@dir\@@RTL\setRTL\else\ifx\saved@@dir\@@LTR\setLTR\else\relax\fi\fi}
15352 \let\@@TeX\TeX
15353 \def\TeX{\@ensure@LTR{\@@TeX}}
15354 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
15355 \dimen@=\dp\ccclv\unvbox\ccclv % open up \box255
15356 \ifvoid\footins\else % footnote info is present
15357 \vskip\skip\footins
15358 \footnoterule
15359 \unvbox\footins\fi
15360 \ifr@ggedbottom\kern-\dimen@\vfil\fi
15361 \ifvoid\@bidi@copyins@
15362 \else
15363 \vskip\skip\@bidi@copyins@
15364 \unvbox\@bidi@copyins@
15365 \fi
15366 }
15367 \long\def\bidi@reflect@box#1{%
15368 \leavevmode

```



```

15369 \setbox\z@\hbox{{#1}}%
15370 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15371 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15372 }
15373 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
15374 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
15375 \let\setRL=\setRTL
15376 \let\setLR=\setLTR
15377 \let\unsetRL=\setLTR
15378 \let\bidisaved@eqno=\eqno
15379 \let\bidisaved@leqno=\leqno
15380 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
15381 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
15382 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15383 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15384 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

96 File pstricks-xetex-bidi.def

```

15385 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15386 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15387 \def\endpspicture{%
15388 \ifshowgrid\ifnum\showgridp>0
15389 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15390 \pst@killglue
15391 % \global\pst@shift=\pst@shift% in fact of the following endgroup
15392 \endgroup
15393 \egroup
15394 \ifdim\wd\pst@hbox=\z@\else
15395 %\@pstrickserr{Extraneous space in the pspicture environment}%
15396 %\Type \space <return> \space to proceed.}%
15397 \fi
15398 \ht\pst@hbox=\pst@dimd
15399 \dp\pst@hbox=-\pst@dimb
15400 \setbox\pst@hbox=\hbox{%
15401 \kern-\pst@dimd
15402 % Orig version -----
15403 %\ifx\pst@tempa\@empty\else
15404 %\advance\pst@dimd-\pst@dimb
15405 %\pst@dimd=\pst@tempa\pst@dimd
15406 %\advance\pst@dimd\pst@dimb
15407 %\lower\pst@dimd
15408 %\fi
15409 %----- end Orig
15410 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
15411 \advance\pst@dimd-\pst@dimb
15412 \pst@dimd=0.5\pst@dimd
15413 \else\pst@dimd-\pst@shift\fi
15414 \advance\pst@dimd\pst@dimb
15415 \lower\pst@dimd

```



```

15416 \box\pst@hbox
15417 \kern\pst@dimc}%
15418 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15419 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15420 \fboxsep=0pt
15421 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15422 \ifmmode\else\endL\fi
15423 \endgroup%
15424 \psset[pstricks]{shift=0}% reset value
15425 }

```

97 File quotchap-xetex-bidi.def

```

15426 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15427 \renewcommand{\qauthor}[1]{%
15428 \par\smallskip
15429 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{\par}\bigskip}
15430 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15431 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15432 {\chapnumfont
15433 \ifnum \c@secnumdepth >\m@ne%
15434 \if@mainmatter\thechapter%
15435 \fi\fi
15436 \par\nobreak}%
15437 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10pt}
15438 \nobreak\chapterheadendvskip}}
15439 \renewcommand*{\@iprintcites}{%
15440 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15441 \global\let\@printcites\relax}

```

98 File ragged2e-xetex-bidi.def

```

15442 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package]
15443 \renewcommand{\Centering}{%
15444 \ifx\\ \@raggedtwoe@savedcr
15445 \let\\ \@centercr
15446 \fi
15447 \let\@gnewline\@raggedtwoe@gnewline
15448 \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
15449 \@rightskip\CenteringRightskip
15450 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15451 \parfillskip\CenteringParfillskip
15452 \parindent\CenteringParindent
15453 \@raggedtwoe@spaceskiptrue
15454 \@raggedtwoe@everyselectfont
15455 }
15456 \renewcommand{\RaggedLeft}{%
15457 \ifx\\ \@raggedtwoe@savedcr
15458 \let\\ \@centercr
15459 \fi

```



```

15460 \let\@gnewline\@raggedtwoe@gnewline
15461 \if@RTL\rightrightskip\else\leftskip\fi\RaggedLeftLeftskip
15462 \@rightskip\RaggedLeftRightskip
15463 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15464 \parfillskip\RaggedLeftParfillskip
15465 \parindent\RaggedLeftParindent
15466 \@raggedtwoe@spaceskiptrue
15467 \@raggedtwoe@everyselectfont
15468 }
15469 \renewcommand{\RaggedRight}{%
15470 \ifx\\ \@raggedtwoe@savedcr
15471 \let\\ \@centercr
15472 \fi
15473 \let\@gnewline\@raggedtwoe@gnewline
15474 \if@RTL\rightrightskip\else\leftskip\fi\RaggedRightLeftskip
15475 \@rightskip\RaggedRightRightskip
15476 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15477 \parfillskip\RaggedRightParfillskip
15478 \parindent\RaggedRightParindent
15479 \@raggedtwoe@spaceskiptrue
15480 \@raggedtwoe@everyselectfont
15481 }
15482 \renewcommand{\justifying}{%
15483 \let\\ \@raggedtwoe@savedcr
15484 \let\@gnewline\@raggedtwoe@saved@gnewline
15485 \if@RTL\rightrightskip\else\leftskip\fi\z@
15486 \@rightskip\z@
15487 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15488 \parfillskip\JustifyingParfillskip
15489 \parindent\JustifyingParindent
15490 \@raggedtwoe@spaceskipfalse
15491 \@raggedtwoe@everyselectfont
15492 }
15493 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{
15494 \CheckCommand*{\@arrayparboxrestore}{%
15495 \let\if@nbreak\iffalse
15496 \let\if@noskipsec\iffalse
15497 \let\par\@par
15498 \let\-\@dischyph
15499 \let'\@acci\let\` \@accii\let\=\@acciii
15500 \parindent\z@ \parskip\z@skip
15501 \everypar{}%
15502 \linewidth\hsize
15503 \@totalleftmargin\z@
15504 \if@RTL\rightrightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
15505 \parfillskip\@flushglue \lineskip\normallineskip
15506 \baselineskip\normalbaselineskip
15507 \sloppy}%
15508 \renewcommand{\@arrayparboxrestore}{%
15509 \let\if@nbreak\iffalse

```




```

15510 \let\if@noskipsec\iffalse
15511 \let\par\@par
15512 \let\-\@dischph
15513 \let'\@acci\let\` \@accii\let\=\@acciii
15514 \parskip\z@skip
15515 \everypar{}%
15516 \linewidth\hsize
15517 \@totalleftmargin\z@
15518 \RaggedRight
15519 \lineskip\normallineskip
15520 \baselineskip\normalbaselineskip
15521 \sloppy}%
15522 \let\@raggedtwoe@raggedrightboxes@opt\relax
15523 }
15524 \let\origin@RaggedLeft=\RaggedLeft
15525 \let\origin@RaggedRight=\RaggedRight
15526 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15527 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

99 File rapport1-xetex-bidi.def

```

15528 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15529 \renewenvironment{theindex}{%
15530 \if@twocolumn
15531 \@restonecolfalse
15532 \else
15533 \@restonecoltrue
15534 \fi
15535 \columnseprule \z@
15536 \columnsep 35\p@
15537 \twocolumn[\@makeschapterhead{\indexname}]{%
15538 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
15539 \thispagestyle{plain}\parindent\z@
15540 \parskip\z@ \@plus .3\p@\relax
15541 \let\item\@idxitem
15542 }{%
15543 \if@restonecol\onecolumn\else\clearpage\fi}
15544 \renewcommand*{\head@style}{%
15545 \interlinepenalty \@M
15546 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15547 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15548 \if@titlepage
15549 \renewenvironment{abstract}{%
15550 \titlepage
15551 \null\vfil
15552 \section*{\SectFont\abstractname}%
15553 \noindent\ignorespaces
15554 {\par\vfil\null\endtitlepage}
15555 \else
15556 \renewenvironment{abstract}{%

```



```

15557 \if@twocolumn
15558 \section*{\abstractname}%
15559 \else
15560 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15561 \section*{\small\SectFont\abstractname}%
15562 \noindent\ignorespaces
15563 \fi}
15564 {\if@twocolumn\else\par\egroup\fi}
15565 \fi
15566 \renewcommand*\@regtocline[3]{%
15567 \ifnum #1>\c@tocdepth
15568 \else
15569 \vskip\z@ \@plus.2\p@
15570 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15571 \if@RTL\rightskip\else\leftskip\fi\unitindent
15572 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
15573 \parfillskip\z@
15574 \@tempdima\unitindent
15575 \parindent\z@
15576 \leavevmode
15577 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
15578 \hskip 1em \nobreak{\slshape #3}\par
15579 }%
15580 \fi}
15581 \if@oldtoc
15582 \renewcommand*\l@part[2]{%
15583 \ifnum \c@tocdepth >-2\relax
15584 \addpenalty{-\@highpenalty}%
15585 \addvspace{2.25em \@plus\p@}%
15586 \begingroup
15587 \setlength\@tempdima{3em}%
15588 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15589 \parfillskip -\@pnumwidth
15590 {\leavevmode
15591 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15592 \nobreak
15593 \global\@nobreaktrue
15594 \everypar{\global\@nobreakfalse\everypar{}}%
15595 \endgroup
15596 \fi}
15597 \else
15598 \renewcommand*\l@part{%
15599 \ifnum \c@tocdepth >-2\relax
15600 \addpenalty{-\@highpenalty}%
15601 \addvspace{2.25em \@plus \p@}%
15602 \@regtocline{0}%
15603 \fi}
15604 \fi
15605 \if@oldtoc
15606 \renewcommand*\l@chapter[2]{%

```



```

15607 \addpenalty{-\@highpenalty}%
15608 \vskip 1.0em \@plus\p@
15609 \setlength\@tempdima{1.5em}%
15610 \beginingroup
15611 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15612 \parfillskip -\@pnumwidth
15613 \leavevmode \bfseries
15614 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15615 \hskip -\if@RTL\rightskip\else\leftskip\fi
15616 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15617 \penalty\@highpenalty
15618 \endgroup}
15619 \else
15620 \renewcommand*\l@chapter{\@regtocline{0}}
15621 \fi
15622 \renewcommand*\left@footnoterule{%
15623 \kern-3\p@
15624 \kern.5\baselineskip
15625 \hrule\@width\unitindent
15626 \kern.4\baselineskip
15627 }
15628 \renewcommand*\right@footnoterule{%
15629 \kern-3\p@
15630 \kern.5\baselineskip
15631 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15632 \kern.4\baselineskip}
15633 \renewenvironment{thebibliography}[1]
15634 {
15635 \chapter*{\bibname}%
15636 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15637 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15638 \list{\@biblabel{\@arabic\c@enumiv}}%
15639 {\settowidth\labelwidth{\@biblabel{#1}}%
15640 \leftmargin\labelwidth
15641 \advance\leftmargin\labelsep
15642 \@openbib@code
15643 \usecounter{enumiv}%
15644 \let\p@enumiv\@empty
15645 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15646 \sloppy\clubpenalty4000\widowpenalty4000%
15647 \sfcode`.\@m}
15648 {\def\@noitemerr
15649 {\@latex@warning{Empty `thebibliography' environment}}}%
15650 \endlist}
15651 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15652 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15653 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15654 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15655 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15656 \renewcommand*\theequation{%

```



```

15657 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15658 \renewcommand*\thefigure{%
15659 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15660 \renewcommand*\thetable{%
15661 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15662 \if@titlepage
15663 \renewcommand*\TitleFont{\rmfamily}
15664 \renewcommand*\maketitle{%
15665 \begin{titlepage}%
15666 \let\footnotesize\small
15667 \let\right@footnoterule\relax
15668 \let\left@footnoterule\relax
15669 \let\textwidth@footnoterule\relax
15670 \let \footnote \thanks
15671 \long\def\@makefnmark##1{\parindent\z@
15672 \def\labelitemi{\textendash}\@revlabeltrue
15673 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15674 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15675 \if@compatibility\setcounter{page}{0}\fi
15676 \null\vfil
15677 \vskip 60\p@
15678 \begin{center}%
15679 \TitleFont
15680 {\LARGE \def\\{\penalty -\@M}
15681 \if@allcaps
15682 \expandafter\uc@nothanks\@title\thanks\relax
15683 \else
15684 \@title
15685 \fi\par}%
15686 \vskip 3em%
15687 {\large
15688 \lineskip .75em \parindent\z@
15689 \begin{tabular}[t]{c}%
15690 \if@allcaps
15691 \expandafter\uc@authornothanks\@author\and\relax
15692 \else
15693 \@author
15694 \fi
15695 \end{tabular}\par}%
15696 \vskip 1.5em%
15697 {\large
15698 \if@allcaps
15699 \uppercase\expandafter{\@date}%
15700 \else
15701 \@date
15702 \fi\par}%
15703 \end{center}\par
15704 \@thanks
15705 \vfil\null
15706 \end{titlepage}%

```



```

15707 \setcounter{footnote}{0}%
15708 \global\let\thanks\relax
15709 \global\let\maketitle\relax
15710 \global\let\@thanks\@empty
15711 \global\let\@author\@empty
15712 \global\let\@title\@empty
15713 \global\let\@date\@empty
15714 \global\let\title\relax
15715 \global\let\author\relax
15716 \global\let\date\relax
15717 \global\let\and\relax
15718 }
15719 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15720 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15721 \futurelet\@tempa\uc@ax}
15722 \def\uc@ax{%
15723 \ifx\@tempa\relax
15724 \else
15725 \\\andname \\\expandafter\uc@authornothanks
15726 \fi}
15727 \def\uc@tx{\ifx\@tempa\relax
15728 \else \expandafter\uc@ty \fi}
15729 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15730 \else
15731 \renewcommand*\maketitle{\par
15732 \beginingroup
15733 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15734 \def\@makefnmark{\rlap{%
15735 \@textsuperscript{\normalfont\@thefnmark}}}%
15736 \long\def\@makefntext{\@xmakefntext{%
15737 \@textsuperscript{\normalfont\@thefnmark}}}%
15738 \if@twocolumn
15739 \ifnum \col@number=\@ne
15740 \@maketitle
15741 \else
15742 \twocolumn[\@maketitle]%
15743 \fi
15744 \else
15745 \newpage
15746 \global\@topnum\z@
15747 \@maketitle
15748 \fi
15749 \thispagestyle{plain}\@thanks
15750 \endgroup
15751 \setcounter{footnote}{0}%
15752 \global\let\thanks\relax
15753 \global\let\maketitle\relax
15754 \global\let\@maketitle\relax
15755 \global\let\@thanks\@empty
15756 \global\let\@author\@empty

```



```

15757 \global\let\@title\@empty
15758 \global\let\@date\@empty
15759 \global\let\title\relax
15760 \global\let\author\relax
15761 \global\let\date\relax
15762 \global\let\and\relax
15763 }
15764 \def\@maketitle{%
15765 \newpage
15766 \null
15767 \vskip 2em%
15768 \begin{center}%
15769 \let \footnote \thanks
15770 {\LARGE \TitleFont \@title \par}%
15771 \vskip 1.5em%
15772 {\large \TitleFont
15773 \lineskip .5em%
15774 \begin{tabular}[t]{c}%
15775 \@author
15776 \end{tabular}\par}%
15777 \vskip 1em%
15778 {\large \TitleFont \@date}%
15779 \end{center}%
15780 \par
15781 \vskip 1.5em}
15782 \fi

```

100 File rapport3-xetex-bidi.def

```

15783 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
15784 \renewenvironment{theindex}{%
15785 \if@twocolumn
15786 \@restonecolfalse
15787 \else
15788 \@restonecoltrue
15789 \fi
15790 \columnseprule \z@
15791 \columnsep 35\p@
15792 \twocolumn[\@makeschapterhead{\indexname}]%
15793 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15794 \thispagestyle{plain}\parindent\z@
15795 \parskip\z@ \@plus .3\p@\relax
15796 \let\item\@idxitem
15797 }{%
15798 \if@restonecol\onecolumn\else\clearpage\fi}
15799 \if@titlepage
15800 \renewcommand*\TitleFont{\rmfamily}
15801 \renewcommand*\maketitle{%
15802 \begin{titlepage}%
15803 \let\footnotesize\small

```



```

15804 \let\right@footnoterule\relax
15805 \let\left@footnoterule\relax
15806 \let\textwidth@footnoterule\relax
15807 \let \footnote \thanks
15808 \let \LTRfootnote \LTRthanks
15809 \let \RTLfootnote \RTLthanks
15810 \long\def\@makefntext##1{\parindent\z@
15811 \def\labelitemi{\textendash}\@revlabeltrue
15812 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15813 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15814 \if@compatibility\setcounter{page}{0}\fi
15815 \null\vfil
15816 \vskip 60\p@
15817 \begin{center}%
15818 \TitleFont
15819 {\LARGE \def\{\{\penalty -\@M}
15820 \if@allcaps
15821 \expandafter\uc@nothanks\@title\thanks\relax
15822 \else
15823 \@title
15824 \fi\par}%
15825 \vskip 3em%
15826 {\large
15827 \lineskip .75em \parindent\z@
15828 \begin{tabular}[t]{c}%
15829 \if@allcaps
15830 \expandafter\uc@authornothanks\@author\and\relax
15831 \else
15832 \@author
15833 \fi
15834 \end{tabular}\par}%
15835 \vskip 1.5em%
15836 {\large
15837 \if@allcaps
15838 \uppercase\expandafter{\@date}%
15839 \else
15840 \@date
15841 \fi\par}%
15842 \end{center}\par
15843 \@thanks
15844 \vfil\null
15845 \end{titlepage}%
15846 \setcounter{footnote}{0}%
15847 \global\let\thanks\relax
15848 \global\let\LTRthanks\relax
15849 \global\let\RTLthanks\relax
15850 \global\let\maketitle\relax
15851 \global\let\@thanks\@empty
15852 \global\let\@author\@empty
15853 \global\let\@title\@empty

```



```

15854 \global\let\@date\@empty
15855 \global\let\title\relax
15856 \global\let\author\relax
15857 \global\let\date\relax
15858 \global\let\and\relax
15859 }
15860 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15861 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15862 \futurelet\@tempa\uc@ax}
15863 \def\uc@ax{%
15864 \ifx\@tempa\relax
15865 \else
15866 \\\andname \\\expandafter\uc@authornothanks
15867 \fi}
15868 \def\uc@tx{\ifx\@tempa\relax
15869 \else \expandafter\uc@ty \fi}
15870 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15871 \else
15872 \renewcommand*\maketitle{\par
15873 \begingroup
15874 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15875 \def\@makefnmark{\rlap{%
15876 \@textsuperscript{\normalfont\@thefnmark}}}%
15877 \long\def\@makefntext{\@xmakefntext{%
15878 \@textsuperscript{\normalfont\@thefnmark}}}%
15879 \if@twocolumn
15880 \ifnum \col@number=\@ne
15881 \@maketitle
15882 \else
15883 \twocolumn[\@maketitle]%
15884 \fi
15885 \else
15886 \newpage
15887 \global\@topnum\z@
15888 \@maketitle
15889 \fi
15890 \thispagestyle{plain}\@thanks
15891 \endgroup
15892 \setcounter{footnote}{0}%
15893 \global\let\thanks\relax
15894 \global\let\LTRthanks\relax
15895 \global\let\RTLthanks\relax
15896 \global\let\maketitle\relax
15897 \global\let\@maketitle\relax
15898 \global\let\@thanks\@empty
15899 \global\let\@author\@empty
15900 \global\let\@title\@empty
15901 \global\let\@date\@empty
15902 \global\let\title\relax
15903 \global\let\author\relax

```




```

15904 \global\let\date\relax
15905 \global\let\and\relax
15906 }
15907 \def\@maketitle{%
15908 \newpage
15909 \null
15910 \vskip 2em%
15911 \if@titlecentered
15912 \begin{center}%
15913 \let \footnote \thanks
15914 \let \LTRfootnote \LTRthanks
15915 \let \RTLfootnote \RTLthanks
15916 {\LARGE \TitleFont \@title \par}%
15917 \vskip 1.5em%
15918 {\large \TitleFont
15919 \lineskip .5em%
15920 \begin{tabular}[t]{c}%
15921 \@author
15922 \end{tabular}\par}%
15923 \vskip 1em%
15924 {\large \TitleFont \@date}%
15925 \end{center}%
15926 \else
15927 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
15928 {\large \TitleFont \lineskip .5em \tabcolsep\z@
15929 \def\and{%% \begin{tabular} has already started
15930 \end{tabular}\hskip 1em plus .17fil
15931 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
15932 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
15933 \vskip 1em {\large \TitleFont \@date}
15934 \fi
15935 \par
15936 \vskip 1.5em}
15937 \fi
15938 \renewcommand*\@regtocline[3]{%
15939 \ifnum #1>\c@tocdepth
15940 \else
15941 \vskip\z@\@plus.2\p@
15942 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15943 \if@RTL\righskip\else\leftskip\fi\unitindent
15944 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15945 \parfillskip\z@
15946 \@tempdima\unitindent
15947 \parindent\z@
15948 \leavevmode
15949 \hbox{\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15950 \hskip 1em \nobreak{\slshape #3}\par
15951 }%
15952 \fi}
15953 \if@oldtoc

```



```

15954 \renewcommand*\l@part[2]{%
15955   \ifnum \c@tocdepth >-2\relax
15956     \addpenalty{-\@highpenalty}%
15957     \addvspace{2.25em \@plus\p@}%
15958     \begingroup
15959       \setlength\@tempdima{3em}%
15960       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15961       \parfillskip -\@pnumwidth
15962       {\leavevmode
15963         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15964         \nobreak
15965         \global\@nobreaktrue
15966         \everypar{\global\@nobreakfalse\everypar{}}%
15967       \endgroup
15968   \fi}
15969 \else
15970   \renewcommand*\l@part{%
15971     \ifnum \c@tocdepth >-2\relax
15972       \addpenalty{-\@highpenalty}%
15973       \addvspace{2.25em \@plus\p@}%
15974       \@regtocline{0}%
15975     \fi}
15976 \fi
15977 \if@oldtoc
15978 \renewcommand*\l@chapter[2]{%
15979   \addpenalty{-\@highpenalty}%
15980   \vskip 1.0em \@plus\p@
15981   \setlength\@tempdima{1.5em}%
15982   \begingroup
15983     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15984     \parfillskip -\@pnumwidth
15985     \leavevmode \bfseries
15986     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15987     \hskip -\if@RTL\rightskip\else\leftskip\fi
15988     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15989     \penalty\@highpenalty
15990   \endgroup}
15991 \else
15992   \renewcommand*\l@chapter{\@regtocline{0}}
15993 \fi
15994 \renewcommand*\head@style{%
15995   \interlinepenalty \@M
15996   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15997   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15998 \if@titlepage
15999   \renewenvironment{abstract}{%
16000     \titlepage
16001     \null\vfil
16002     \section*{\SectFont\abstractname}%
16003     \noindent\ignorespaces}

```



```

16004      {\par\vfil\null\endtitlepage}
16005 \else
16006   \renewenvironment{abstract}{%
16007     \if@twocolumn
16008       \section*{\abstractname}%
16009     \else
16010       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16011       \section*{\small\SectFont\abstractname}%
16012       \noindent\ignorespaces
16013     \fi}
16014     {\if@twocolumn\else\par\egroup\fi}
16015 \fi
16016 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16017 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16018 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16019 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16020 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16021 \renewcommand*\thefigure{%
16022   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
16023 \renewcommand*\thetable{%
16024   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16025 \renewcommand*\theequation{%
16026   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
16027 \renewenvironment{thebibliography}[1]
16028   {\chapter*{\bibname}%
16029     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16030     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16031     \bidi@thebibliography@font@hook%
16032     \list{\@biblabel{\@arabic\c@enumiv}}%
16033       {\settowidth\labelwidth{\@biblabel{#1}}%
16034        \leftmargin\labelwidth
16035        \advance\leftmargin\labelsep
16036        \@openbib@code
16037        \usecounter{enumiv}%
16038        \let\p@enumiv\@empty
16039        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16040     \sloppy\clubpenalty4000\widowpenalty4000%
16041     \sfcode`\.\@m}
16042   {\def\@noitemerr
16043     {\@latex@warning{Empty `thebibliography' environment}}%
16044     \endlist}
16045 \renewcommand*\left@footnoterule{%
16046   \kern-3\p@
16047   \kern.5\baselineskip
16048   \hrule\@width\unitindent
16049   \kern.4\baselineskip
16050 }
16051 \renewcommand*\right@footnoterule{%
16052   \kern-3\p@
16053   \kern.5\baselineskip

```



```

16054 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16055 \kern.4\baselineskip}
16056 \renewcommand*\head@style{%
16057     \interlinepenalty \@M
16058     \hyphenpenalty=\@M \exhyphenpenalty=\@M
16059     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

101 File refrep-xetex-bidi.def

```

16060 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for Xe
16061 \if@titlepage
16062 \renewcommand\maketitle{\begin{titlepage}%
16063 \let\footnotesize\small
16064 \let\right@footnoterule\relax
16065 \let\left@footnoterule\relax
16066 \let\textwidth@footnoterule\relax
16067 \let\footnote\thanks
16068 \let\LTRfootnote\LTRthanks
16069 \let\RTLfootnote\RTLthanks
16070 \renewcommand\thefootnote{\fnsymbol\c@footnote}%
16071 \def\@makefnmark%
16072     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16073 \long\def\@makefntext##1{%
16074     \setpar{\@par
16075         \@tempdima = \hsize
16076         \advance\@tempdima -1em
16077         \parshape \@ne 1em \@tempdima}%
16078     \par\parindent 1em \noindent
16079     \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16080 \null\vfil
16081 \vskip 60\p@
16082 \begin{center}%
16083     {\LARGE \@title \par}%
16084     \vskip 3em%
16085     {\large
16086         \lineskip .75em%
16087         \begin{tabular}[t]{c}%
16088             \@author
16089         \end{tabular}\par}%
16090     \vskip 1.5em%
16091     {\large \@date \par}%           % Set date in \large size.
16092 \end{center}\par
16093 \@thanks
16094 \vfil\null
16095 \end{titlepage}%
16096 \setcounter{footnote}{0}%
16097 \global\let\thanks\relax
16098 \global\let\LTRthanks\relax
16099 \global\let\RTLthanks\relax
16100 \global\let\maketitle\relax

```



```

16101 \global\let\@thanks\@empty
16102 \global\let\@author\@empty
16103 \global\let\@date\@empty
16104 \global\let\@title\@empty
16105 \global\let\title\relax
16106 \global\let\author\relax
16107 \global\let\date\relax
16108 \global\let\and\relax
16109 }
16110 \else
16111 \renewcommand\maketitle{\par
16112 \begingroup
16113 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16114 \def\@makefnmark%
16115 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16116 \long\def\@makefntext##1{%
16117 \setpar{\@par
16118 \tempdima = \hsize
16119 \advance\tempdima -1em
16120 \parshape \@ne 1em \tempdima}%
16121 \par\parindent 1em \noindent
16122 \hb@xt@\z@\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16123 \if@twocolumn
16124 \ifnum \col@number=\@ne
16125 \maketitle
16126 \else
16127 \twocolumn[\maketitle]%
16128 \fi
16129 \else
16130 \newpage
16131 \global\@topnum\z@ % Prevents figures from going at top of page.
16132 \maketitle
16133 \fi
16134 \thispagestyle{empty}\@thanks
16135 \endgroup
16136 \setcounter{footnote}{0}%
16137 \global\let\thanks\relax
16138 \global\let\LTRthanks\relax
16139 \global\let\RTLthanks\relax
16140 \global\let\maketitle\relax
16141 \global\let\@maketitle\relax
16142 \global\let\@thanks\@empty
16143 \global\let\@author\@empty
16144 \global\let\@date\@empty
16145 \global\let\@title\@empty
16146 \global\let\title\relax
16147 \global\let\author\relax
16148 \global\let\date\relax
16149 \global\let\and\relax
16150 }

```



```

16151 \def\@maketitle{%
16152 \newpage
16153 \null
16154 \longthickrule\vskip1.5em%
16155 \let \footnote \thanks
16156 \let \LTRfootnote \LTRthanks
16157 \let \RTLfootnote \RTLthanks
16158 {\secshape \parskip\z@ \parindent\z@
16159 \Large\bfseries \@title \par}%
16160 \vskip1.5em\longthickrule\vskip1.5em%
16161 {\normalsize
16162 \lineskip .5em%
16163 \begin{flushright}%
16164 {\slshape\@author\par}
16165 \vskip 1em%
16166 {\@date}%
16167 \end{flushright}\par}%
16168 \vskip 1.5em}
16169 \fi
16170 \renewcommand*\l@part[2]{%
16171 \ifnum \c@tocdepth >-2\relax
16172 \addpenalty{-\@highpenalty}%
16173 \addvspace{2.25em \@plus\p@}%
16174 \begingroup
16175 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16176 \parfillskip -\@pnumwidth
16177 {\leavevmode
16178 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16179 \nobreak
16180 \global\@nobreaktrue
16181 \everypar{\global\@nobreakfalse\everypar{}}%
16182 \endgroup
16183 \fi}
16184 \renewcommand*\l@chapter[2]{%
16185 \ifnum \c@tocdepth >\m@ne
16186 \addpenalty{-\@highpenalty}%
16187 \vskip 1.0em \@plus\p@
16188 \setlength\@tempdima{1.5em}%
16189 \begingroup
16190 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16191 \parfillskip -\@pnumwidth
16192 \leavevmode \bfseries
16193 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16194 \hskip -\if@RTL\rightskip\else\leftskip\fi
16195 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16196 \penalty\@highpenalty
16197 \endgroup
16198 \fi}
16199 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16200 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%

```



```

16201 \hyphenpenalty=2000}
16202 \renewcommand\left@footnoterule{%
16203   \kern-3\p@
16204   \hrule\@width.4\columnwidth
16205   \kern 2.6\p@}
16206 \renewcommand\right@footnoterule{%
16207   \kern-3\p@
16208   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16209   \kern2.6\p@}
16210 \renewcommand\theequation
16211 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16212 \renewcommand\thefigure
16213   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16214 \renewcommand\thetable%
16215   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16216 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16217 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16218 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16219 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16220 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16221 \renewenvironment{thebibliography}[1]
16222   {\chapter*{\bibname
16223     \mkboth{\bibname}{\bibname}}%
16224     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
16225     \bidi@@thebibliography@font@hook%
16226     \list{\@biblabel{\@arabic\c@enumiv}}%
16227       {\settowidth\labelwidth{\@biblabel{#1}}%
16228         \leftmargin\labelwidth
16229         \advance\leftmargin\labelsep
16230         \@openbib@code
16231         \usecounter{enumiv}%
16232         \let\p@enumiv\@empty
16233         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16234         \sloppy
16235         \clubpenalty4000
16236         \@clubpenalty \clubpenalty
16237         \widowpenalty4000%
16238     \sfcode`\.=\@m}
16239 {\def\@noitemerr
16240   {\@latex@warning{Empty `thebibliography' environment}}%
16241   \endlist}

```

102 File report-xetex-bidi.def

```

16242 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
16243 \renewenvironment{theindex}
16244   {\if@twocolumn
16245     \@restonecolfalse
16246     \else
16247       \@restonecoltrue

```



```

16248             \fi
16249             \columnseprule \z@
16250             \columnsep 35\p@
16251             \twocolumn[\@makeschapterhead{\indexname}]%
16252             \@mkboth{\MakeUppercase\indexname}%
16253             {\MakeUppercase\indexname}%
16254             \thispagestyle{plain}\parindent\z@
16255             \parskip\z@ \@plus .3\p@\relax
16256             \let\item\@idxitem}
16257         {\if@restonecol\onecolumn\else\clearpage\fi}
16258     \if@titlepage
16259     \renewcommand\maketitle{\begin{titlepage}%
16260     \let\footnotesize\small
16261     \let\right@footnoterule\relax
16262     \let\left@footnoterule\relax
16263     \let\textwidth\footnoterule\relax
16264     \let \footnote \thanks
16265     \let \LTRfootnote \LTRthanks
16266     \let \RTLfootnote \RTLthanks
16267     \null\vfil
16268     \vskip 60\p@
16269     \begin{center}%
16270         {\LARGE \@title \par}%
16271         \vskip 3em%
16272         {\large
16273         \lineskip .75em%
16274         \begin{tabular}[t]{c}%
16275             \@author
16276         \end{tabular}\par}%
16277         \vskip 1.5em%
16278         {\large \@date \par}%           % Set date in \large size.
16279     \end{center}\par
16280     \@thanks
16281     \vfil\null
16282     \end{titlepage}%
16283     \setcounter{footnote}{0}%
16284     \global\let\thanks\relax
16285     \global\let\LTRthanks\relax
16286     \global\let\RTLthanks\relax
16287     \global\let\maketitle\relax
16288     \global\let\@thanks\@empty
16289     \global\let\@author\@empty
16290     \global\let\@date\@empty
16291     \global\let\@title\@empty
16292     \global\let\title\relax
16293     \global\let\author\relax
16294     \global\let\date\relax
16295     \global\let\and\relax
16296 }
16297 \else

```




```

16298 \renewcommand\maketitle{\par
16299   \begingroup
16300     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16301     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16302     \long\def\@makefntext##1{\parindent 1em\noindent
16303       \hb@xt@1.8em{%
16304         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16305     \if@twocolumn
16306       \ifnum \col@number=\@ne
16307         \@maketitle
16308       \else
16309         \twocolumn[\@maketitle]%
16310       \fi
16311     \else
16312       \newpage
16313       \global\@topnum\z@    % Prevents figures from going at top of page.
16314       \@maketitle
16315     \fi
16316     \thispagestyle{plain}\@thanks
16317   \endgroup
16318   \setcounter{footnote}{0}%
16319   \global\let\thanks\relax
16320   \global\let\LTRthanks\relax
16321   \global\let\RTLthanks\relax
16322   \global\let\maketitle\relax
16323   \global\let\@maketitle\relax
16324   \global\let\@thanks\@empty
16325   \global\let\@author\@empty
16326   \global\let\@date\@empty
16327   \global\let\@title\@empty
16328   \global\let\title\relax
16329   \global\let\author\relax
16330   \global\let\date\relax
16331   \global\let\and\relax
16332 }
16333 \def\@maketitle{%
16334   \newpage
16335   \null
16336   \vskip 2em%
16337   \begin{center}%
16338     \let \footnote \thanks
16339     \let \LTRfootnote \LTRthanks
16340     \let \RTLfootnote \RTLthanks
16341     {\LARGE \@title \par}%
16342     \vskip 1.5em%
16343     {\large
16344       \lineskip .5em%
16345       \begin{tabular}[t]{c}%
16346         \@author
16347       \end{tabular}\par}%

```



```

16348 \vskip 1em%
16349 {\large \@date}%
16350 \end{center}%
16351 \par
16352 \vskip 1.5em}
16353 \fi
16354 \renewcommand*\l@part[2]{%
16355 \ifnum \c@tocdepth >-2\relax
16356 \addpenalty{-\@highpenalty}%
16357 \addvspace{2.25em \@plus\p@}%
16358 \setlength\@tempdima{3em}%
16359 \begingroup
16360 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16361 \parfillskip -\@pnumwidth
16362 {\leavevmode
16363 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16364 \nobreak
16365 \global\@nobreaktrue
16366 \everypar{\global\@nobreakfalse\everypar{}}%
16367 \endgroup
16368 \fi}
16369 \renewcommand*\l@chapter[2]{%
16370 \ifnum \c@tocdepth >\m@ne
16371 \addpenalty{-\@highpenalty}%
16372 \vskip 1.0em \@plus\p@
16373 \setlength\@tempdima{1.5em}%
16374 \begingroup
16375 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16376 \parfillskip -\@pnumwidth
16377 \leavevmode \bfseries
16378 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16379 \hskip -\if@RTL\rightskip\else\leftskip\fi
16380 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16381 \penalty\@highpenalty
16382 \endgroup
16383 \fi}
16384 \renewcommand\left@footnoterule{%
16385 \kern-3\p@
16386 \hrule\@width.4\columnwidth
16387 \kern2.6\p@}
16388 \renewcommand\right@footnoterule{%
16389 \kern-3\p@
16390 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16391 \kern2.6\p@}
16392 \renewcommand\theequation
16393 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16394 \renewcommand \thefigure
16395 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16396 \renewcommand \thetable
16397 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}

```



```

16398 \renewcommand \thechapter {\@arabic\c@chapter}
16399 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16400 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16401 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16402 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16403 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16404 \def\@makechapterhead#1{%
16405   \vspace*{50\p@}%
16406   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16407     \ifnum \c@secnumdepth >\m@ne
16408       \huge\bfseries \@chapapp\space \thechapter
16409       \par\nobreak
16410       \vskip 20\p@
16411     \fi
16412     \interlinepenalty\@M
16413     \Huge \bfseries #1\par\nobreak
16414     \vskip 40\p@
16415   }}
16416 \def\@makeschapterhead#1{%
16417   \vspace*{50\p@}%
16418   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16419     \normalfont
16420     \interlinepenalty\@M
16421     \Huge \bfseries #1\par\nobreak
16422     \vskip 40\p@
16423   }}
16424 \renewenvironment{thebibliography}[1]
16425   {\chapter*\bibname}%
16426   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16427   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16428   \bidi@@thebibliography@font@hook%
16429   \list{\@biblabel{\@arabic\c@enumiv}}%
16430     {\settowidth\labelwidth{\@biblabel{#1}}%
16431       \leftmargin\labelwidth
16432       \advance\leftmargin\labelsep
16433       \@openbib@code
16434       \usecounter{enumiv}%
16435       \let\p@enumiv\@empty
16436       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16437   \sloppy
16438   \clubpenalty4000
16439   \@clubpenalty \clubpenalty
16440   \widowpenalty4000%
16441   \sfcode`\.\@m}
16442   {\def\@noitemerr
16443     {\@latex@warning{Empty `thebibliography' environment}}%
16444     \endlist}

```



103 File rotating-xetex-bidi.def

```

16445 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16446 \def\end@rotfloat{%
16447   \end{minipage}\end{lrbox}%
16448   \stepcounter{r@tfl@t}%
16449   \rot@label{RF\ther@tfl@t}%
16450   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16451   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16452   \rot@mess@toks\expandafter{\@tempa}
16453   \wd\rot@float@box\z@
16454   \ht\rot@float@box\z@
16455   \dp\rot@float@box\z@
16456   \vboxL to \textheight{%
16457     \setkeys{Grot}{units=360}%
16458     \if@rot@twoside
16459     \else
16460       \let\R@@page\rot@LR
16461     \fi
16462     \ifthenelse{\isodd{\R@@page}}{%
16463       \if@rot@twoside
16464         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16465       \fi
16466       \vfill
16467       \@@line{%
16468         \hskip\rotFPtop
16469         \rotatebox{90}{\box\rot@float@box}%
16470         \hskip\rotFPbot
16471       }%
16472     }{%
16473       \if@rot@twoside
16474         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16475       \fi
16476       \@@line{%
16477         \hskip\rotFPbot
16478         \rotatebox{-90}{\box\rot@float@box}%
16479         \hskip\rotFPtop
16480       }%
16481       \vfill
16482     }%
16483     \rot@message{\the\rot@mess@toks}
16484   }%
16485   \end@float
16486 }
16487 \let\endsidewaysfigure\end@rotfloat
16488 \let\endsidewaysstable\end@rotfloat
16489 \def\end@rotdblfloat{%
16490   \end{minipage}\end{lrbox}%
16491   \stepcounter{r@tfl@t}%
16492   \rot@label{RF\ther@tfl@t}%

```



```

16493 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16494 \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
16495 \rot@mess@toks\expandafter{\@tempa}
16496 \@tempdima\ht\rot@float@box
16497 \advance\@tempdima by \dp\rot@float@box
16498 \wd\rot@float@box\z@
16499 \ht\rot@float@box\z@
16500 \dp\rot@float@box\z@
16501 \vboxL to \textheight{%
16502   \setkeys{Grot}{units=360}%
16503   \if@rot@twoside
16504   \else
16505     \let\R@@page\rot@LR
16506   \fi
16507   \ifthenelse{\isodd{\R@@page}}{%
16508     \ifrot@messages
16509       \if@rot@twoside
16510 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
16511 \fi
16512   \fi
16513   \vfill
16514   \@@line{%
16515     \hskip\rotFPtop
16516     \rotatebox{90}{\box\rot@float@box}%
16517     \hskip\rotFPbot
16518   }%
16519   }{%
16520     \ifrot@messages
16521       \if@rot@twoside
16522 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
16523 \fi
16524   \fi%
16525   \@@line{%
16526     \hskip\rotFPbot
16527     \rotatebox{-90}{\box\rot@float@box}%
16528     \hskip\rotFPtop
16529   }%
16530   \vfill
16531   }%
16532   \rot@message{\the\rot@mess@toks}%
16533 }%
16534 \end@dblfloat
16535 }
16536 \def\turn#1{%
16537   \Grot@setangle{#1}%
16538   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16539 \def\endturn{%
16540   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16541   \unskip\color@endbox
16542   \Grot@x\z@

```



```

16543 \Grot@y\z@
16544 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16545 }
16546 \def\rotate#1{%
16547 \Grot@setangle{#1}%
16548 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16549 \def\endrotate{%
16550 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16551 \unskip\color@endbox
16552 \Grot@x\z@
16553 \Grot@y\z@
16554 \wd0\z@\dp0\z@\ht0\z@
16555 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16556 }
16557 \def\turnbox#1#2{%
16558 \Grot@setangle{#1}%
16559 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
16560 \Grot@x\z@\Grot@y\z@
16561 \wd0\z@\dp0\z@\ht0\z@
16562 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16563 }
16564 \def\sideways{%
16565 \Grot@setangle{90}%
16566 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16567 \def\endsideways{%
16568 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16569 \unskip\color@endbox
16570 \Grot@x\z@
16571 \Grot@y\z@
16572 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16573 }

```

104 File scrartcl-xetex-bidi.def

```

16574 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16575 \newcommand{\scr@saved@LTRfootnotetext}{}
16576 \newcommand{\scr@saved@RTLfootnotetext}{}
16577 \let\scr@saved@footnotetext\@footnotetext
16578 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16579 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16580 \renewcommand{\@footnotetext}[1]{%
16581 \scr@saved@footnotetext{#1}%
16582 \csname FN@mf@prepare\endcsname
16583 }
16584 \renewcommand{\@LTRfootnotetext}[1]{%
16585 \scr@saved@LTRfootnotetext{#1}%
16586 \csname FN@mf@prepare\endcsname
16587 }
16588 \renewcommand{\@RTLfootnotetext}[1]{%
16589 \scr@saved@RTLfootnotetext{#1}%

```



```

16590 \csname FN@mfb@prepare\endcsname
16591 }
16592 \renewcommand\deffootnote[4][]{%
16593   \long\def\@makefnmark##1{%
16594     \setlength{\@tempdimc}{#3}%
16595     \def\@tempa{#1}\ifx\@tempa\@empty
16596       \setpar{\@par
16597         \@tempdima = \hspace
16598         \addtolength{\@tempdima}{-#2}%
16599         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16600     \else
16601       \addtolength{\@tempdimc}{#2}%
16602       \addtolength{\@tempdimc}{-#1}%
16603       \setpar{\@par
16604         \@tempdima = \hspace
16605         \addtolength{\@tempdima}{-#1}%
16606         \@tempdimb = \hspace
16607         \addtolength{\@tempdimb}{-#2}%
16608         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2\fi}%
16609     }%
16610   \fi
16611   \par
16612   \parindent\@tempdimc\noindent
16613   \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16614 }%
16615 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16616 }
16617 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16618 \renewcommand*\left@footnoterule{%
16619   \normalsize\ftn@rule@test@values
16620   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16621   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16622   {\usekomafont{footnoterule}{%
16623     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16624   \kern 2.6\p@}
16625 \renewcommand*\right@footnoterule{%
16626   \normalsize\ftn@rule@test@values
16627   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16628   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16629   {\usekomafont{footnoterule}{%
16630     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16631     \kern 2.6\p@}
16632 \renewcommand*\maketitle[1][1]{%
16633   \if@titlepage
16634     \begin{titlepage}
16635       \setcounter{page}{%
16636         #1%
16637       }%
16638       \let\footnotesize\small
16639       \let\right@footnoterule\relax

```



```

16640 \let\left@footnoterule\relax
16641 \let\textwidth@footnoterule\relax
16642 \let\footnote\thanks
16643 \let\LTRfootnote\LTRthanks
16644 \let\RTLfootnote\RTLthanks
16645 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16646 \let\@oldmakefnmark\@makefnmark
16647 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
16648 \ifx\@extratitle\@empty \else
16649   \noindent\@extratitle\next@tpage\cleardoubleemptypage
16650   \thispagestyle{empty}%
16651 \fi
16652 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16653 \ifx\@titlehead\@empty \else
16654   \begin{minipage}[t]{\textwidth}%
16655     \@titlehead
16656   \end{minipage}\par
16657 \fi
16658 \null\vfill
16659 \begin{center}
16660   \ifx\@subject\@empty \else
16661     {\subject@font \@subject \par}%
16662     \vskip 3em
16663   \fi
16664   {\titlefont\huge \@title\par}%
16665   \vskip 1em
16666   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16667   \vskip 2em
16668   {\Large \lineskip 0.75em
16669     \begin{tabular}[t]{c}
16670       \@author
16671     \end{tabular}\par
16672   }%
16673   \vskip 1.5em
16674   {\Large \@date \par}%
16675   \vskip \z@ \@plus3fill
16676   {\Large \@publishers \par}%
16677   \vskip 3em
16678 \end{center}\par
16679 \@thanks
16680 \vfill\null
16681 \if@twoside\next@tpage
16682   \begin{minipage}[t]{\textwidth}
16683     \@uppertitleback
16684   \end{minipage}\par
16685   \vfill
16686   \begin{minipage}[b]{\textwidth}
16687     \@lowertitleback
16688   \end{minipage}
16689 \fi

```




```

16690     \ifx\@dedication\@empty \else
16691         \next@tpage\null\vfill
16692         {\centering \Large \@dedication \par}%
16693         \vskip \z@ \@plus3fill
16694         \if@twoside \next@tpage\cleardoubleemptypage \fi
16695     \fi
16696     \end{titlepage}
16697 \else
16698     \par
16699     \@tempcnta=
16700     #1%
16701     \relax\ifnum\@tempcnta=1\else
16702         \ClassWarning{KOMAClassName}{%
16703             Optional argument of \string\maketitle\space ignored
16704             at\MessageBreak
16705             notitlepage-mode%
16706         }%
16707     \fi
16708     \begingroup
16709         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16710         \let\@oldmakefnmark\@makefnmark
16711         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16712         \if@twocolumn
16713             \ifnum \col@number=\@one
16714                 \@maketitle
16715             \else
16716                 \twocolumn[\@maketitle]%
16717             \fi
16718         \else
16719             \newpage
16720             \global\@topnum\z@
16721             \@maketitle
16722         \fi
16723         \thispagestyle{\titlepagestyle}\@thanks
16724     \endgroup
16725 \fi
16726 \setcounter{footnote}{0}%
16727 \let\thanks\relax
16728 \let\LTRthanks\relax
16729 \let\RTLthanks\relax
16730 \let\maketitle\relax
16731 \let\@maketitle\relax
16732 \global\let\@thanks\@empty
16733 \global\let\@author\@empty
16734 \global\let\@date\@empty
16735 \global\let\@title\@empty
16736 \global\let\@subtitle\@empty
16737 \global\let\@extratitle\@empty
16738 \global\let\@titlehead\@empty
16739 \global\let\@subject\@empty

```



```

16740 \global\let\@publishers\@empty
16741 \global\let\@uppertitleback\@empty
16742 \global\let\@lowertitleback\@empty
16743 \global\let\@dedication\@empty
16744 \global\let\author\relax
16745 \global\let\title\relax
16746 \global\let\extratitle\relax
16747 \global\let\titlehead\relax
16748 \global\let\subject\relax
16749 \global\let\publishers\relax
16750 \global\let\uppertitleback\relax
16751 \global\let\lowertitleback\relax
16752 \global\let\dedication\relax
16753 \global\let\date\relax
16754 \global\let\and\relax
16755 }%
16756 \renewcommand*{\@maketitle}{%
16757   \clearpage
16758   \let\footnote\thanks
16759   \let\LTRfootnote\LTRthanks
16760   \let\RTLfootnote\RTLthanks
16761   \ifx\@extratitle\@empty \else
16762     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16763   \fi
16764   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16765   \ifx\@titlehead\@empty \else
16766     \begin{minipage}[t]{\textwidth}
16767       \@titlehead
16768     \end{minipage}\par
16769   \fi
16770   \null
16771   \vskip 2em%
16772   \begin{center}%
16773     \ifx\@subject\@empty \else
16774       {\subject@font \@subject \par}
16775       \vskip 1.5em
16776     \fi
16777     {\titlefont\huge \@title \par}%
16778     \vskip .5em
16779     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16780     \vskip 1em
16781     {\Large
16782       \lineskip .5em%
16783       \begin{tabular}[t]{c}
16784         \@author
16785       \end{tabular}\par
16786     }%
16787     \vskip 1em%
16788     {\Large \@date \par}%
16789     \vskip \z@ \@plus 1em

```



```

16790 {\Large \@publishers \par}
16791 \ifx\@dedication\@empty \else
16792 \vskip 2em
16793 {\Large \@dedication \par}
16794 \fi
16795 \end{center}%
16796 \par
16797 \vskip 2em
16798 }%
16799 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16800 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
16801 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16802 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
16803 \renewcommand*{\thesubsubsection}{%
16804 \thesubsection\@SepMark\@arabic\c@subsubsection
16805 }
16806 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16807 \renewcommand*{\thesubparagraph}{%
16808 \theparagraph\@SepMark\@arabic\c@subparagraph
16809 }
16810 \renewenvironment{thebibliography}[1]{%
16811 \if@bib@break@
16812 \bib@beginhook
16813 \else
16814 \bib@heading
16815 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16816 \noindent\bibpreamble\par\nobreak
16817 \fi\fi
16818 \bib@beginhook
16819 \bib@before@hook
16820 \fi
16821 \renewcommand{\BreakBibliography}[1]{%
16822 \@bib@break
16823 \end{thebibliography}%
16824 \begingroup ##1\endgroup
16825 \begin{thebibliography}{#1}
16826 }%
16827 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16828 \bidi@thebibliography@font@hook%
16829 \list{%
16830 \@biblabel{\@arabic\c@enumiv}%
16831 }{%
16832 \settowidth\labelwidth{\@biblabel{#1}}%
16833 \leftmargin\labelwidth
16834 \advance\leftmargin\labelsep
16835 \@openbib@code
16836 \if@bib@break@
16837 \edef\@tempa{%
16838 \noexpand\usecounter{enumiv}%
16839 \noexpand\setcounter{enumiv}{\the\c@enumiv}%

```



```

16840     }\@tempa
16841     \no@bib@break
16842     \else
16843     \usecounter{enumiv}%
16844     \fi
16845     \let\p@enumiv\@empty
16846     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16847 }%
16848 \sloppy\clubpenalty4000 \widowpenalty4000
16849 \sfcode`\.\@m
16850 }{%
16851 \if@bib@break@
16852 \def\@noitemerr{%
16853 \@latex@warning{%
16854 \string\BreakBibliography\space at begin of `thebibliography'
16855 environment\MessageBreak
16856 or following \string\BreakBibliography}%
16857 }%
16858 \else
16859 \def\@noitemerr{%
16860 \@latex@warning{%
16861 Empty `thebibliography' environment or
16862 \string\BreakBibliography\MessageBreak
16863 before end of `thebibliography' environment}%
16864 }%
16865 \fi
16866 \endlist
16867 \if@bib@break@
16868 \else
16869 \bib@after@hook
16870 \let\bib@before@hook\@empty
16871 \let\bib@after@hook\@empty
16872 \fi
16873 \bib@endhook
16874 }
16875 \renewcommand*\left@footnoterule{%
16876 \kern-3\p@
16877 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16878 \hrule\@width.4\columnwidth
16879 \kern 2.6\p@}
16880 \renewcommand*\right@footnoterule{%
16881 \kern-3\p@
16882 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16883 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16884 \kern2.6\p@}
16885 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16886 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16887 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16888 \renewcommand\marginline[1]{%
16889 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}

```



```

16890 }
16891 \renewcommand{\@@makecaption}[3]{%
16892   \cap@margin
16893   \ifonelinecaptions
16894     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16895     \let\scr@tmp@footnotetext=\@footnotetext
16896     \let\@footnotetext=\@gobble
16897     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16898     \let\@LTRfootnotetext=\@gobble
16899     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16900     \let\@RTLfootnotetext=\@gobble
16901     \sbox\@tempboxa{%
16902       {\capfont{\strut\ignorespaces
16903         #1{\caplabelfont{#2\captionformat}}}%
16904         #3\unskip\strut}}%
16905     }%
16906     \let\@footnotetext=\scr@tmp@footnotetext
16907     \let\scr@tmp@footnotetext=\undefined
16908     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16909     \let\scr@tmp@LTRfootnotetext=\undefined
16910     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16911     \let\scr@tmp@RTLfootnotetext=\undefined
16912     \setcounter{footnote}{\@tempcntb}%
16913     \setcounter{mpfootnote}{\@tempcnta}%
16914   \else
16915     \sbox\@tempboxa{\hspace*{2\cap@width}}%
16916   \fi
16917   \begingroup%
16918     \setlength{\@tempdima}{\cap@width}%
16919     \ifdim \wd\@tempboxa >\@tempdima
16920       \hb@xt@\hsize{%
16921         \setbox\@tempboxa\vbox{\hsize=\cap@width
16922           \ifdofullc@p
16923             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16924               #1{\caplabelfont{#2\captionformat}}}}}%
16925             {#3\unskip\strut\par}}}%
16926         \else%
16927           \ifdim\cap@indent<\z@
16928             {\capfont{\strut\ignorespaces
16929               #1{\caplabelfont{#2\captionformat\par}}}%
16930             \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16931           \else%
16932             \if@capbreak
16933               {\capfont{\strut\ignorespaces
16934                 #1{\caplabelfont{#2\captionformat\par}}}%
16935               \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16936             \else
16937               {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
16938               {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16939                 {\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%

```



```

16940         \fi
16941     \fi
16942 \fi
16943 }%
16944 \setlength{\@tempdima}{\ht\@tempboxa}%
16945 \addtolength{\@tempdima}{\dp\@tempboxa}%
16946 \addtolength{\@tempdima}{-\ht\strutbox}%
16947 \ht\@tempboxa\ht\strutbox
16948 \dp\@tempboxa\@tempdima
16949 \strut\cap@left
16950 \box\@tempboxa
16951 \cap@right\strut
16952 }%
16953 \else
16954 \global \@minipagefalse
16955 \sbox\@tempboxa{%
16956     {\capfont{\scr@smashdp{\strut\ignorespaces
16957         #1{\caplabelfont{#2\captionformat}}}}}%
16958     #3}}%
16959 }%
16960 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}
16961 \fi
16962 \endgroup
16963 }
16964 \renewcommand{\@makecaption}[2]{%
16965     \if@captionabove
16966         \vskip\belowcaptionskip
16967     \else
16968         \vskip\abovecaptionskip
16969     \fi
16970     \@@makecaption\@firstofone{#1}{#2}%
16971     \if@captionabove
16972         \vskip\abovecaptionskip
16973     \else
16974         \vskip\belowcaptionskip
16975     \fi
16976 }
16977 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16978     \@ifpackageloaded{caption2}{\@komalongtablefalse
16979         \scr@caption@before@longtable@warning{caption2}%
16980     }{}%
16981     \if@komalongtable
16982         \renewcommand{\LT@makecaption}[3]{%
16983             \noalign{%
16984                 \if@captionabove
16985                     \vskip\belowcaptionskip
16986                 \else
16987                     \vskip\abovecaptionskip
16988                 \fi
16989             }%

```



```

16990 \LT@mcol\LT@cols c{%
16991 \hbox to\z@{\hss\parbox[t]{linewidth{%
16992 \@@makecaption{#1}{#2}{#3}%
16993 \endgraf
16994 \if@captionabove
16995 \vskip\abovecaptionskip
16996 \else
16997 \vskip\belowcaptionskip
16998 \fi
16999 }%
17000 \hss
17001 }%
17002 }%
17003 }%
17004 \renewcommand*{\scr@LT@array}{}%
17005 \let\scr@LT@array=\LT@array
17006 \renewcommand*{\LT@array}{%
17007 \let\scr@caption=\LT@caption
17008 \def\captionabove{\noalign{\global\@captionabovetrue}%
17009 \scr@caption}%
17010 \def\captionbelow{\noalign{\global\@captionabovetrue}%
17011 \scr@caption}%
17012 \if@tablecaptionabove
17013 \let\LT@caption=\captionabove
17014 \else
17015 \let\LT@caption=\captionbelow
17016 \fi
17017 \scr@LT@array
17018 }%
17019 \ClassInfo{\KOMAClassName}{%
17020 longtable captions redefined%
17021 }%
17022 \fi
17023 }
17024
17025 \CloneTOCEntryStyle{tocline}{part}
17026 \TOCEntryStyleStartInitCode{part}{%
17027 \expandafter\renewcommand%
17028 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17029 \expandafter\renewcommand%
17030 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17031 \expandafter\renewcommand%
17032 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17033 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17034 \expandafter\renewcommand\expandafter*%
17035 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
17036 }
17037
17038 \CloneTOCEntryStyle{tocline}{section}
17039 \TOCEntryStyleStartInitCode{section}{%

```



```

17040 \expandafter\renewcommand%
17041 \csname scr@tso@#1@linefill\endcsname{%
17042   \if@sectionentrywithdots
17043     \TOCLineLeaderFill\relax
17044   \else
17045     \hfill
17046   \fi
17047 }%
17048 % F^^fcr die Eintr^^e4ge die Schrift von Element sectionentry verwenden.
17049 \expandafter\renewcommand%
17050 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}}%
17051 \expandafter\renewcommand%
17052 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se
17053 \expandafter\renewcommand\expandafter*%
17054 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17055 }
17056
17057 \CloneTOCEntryStyle{tocline}{subsection}
17058 \TOCEntryStyleStartInitCode{subsection}{%
17059   \expandafter\renewcommand%
17060   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17061 }
17062
17063 \CloneTOCEntryStyle{subsection}{default}
17064
17065 \DeclareSectionCommand[%
17066   style=part,%
17067   level=\z@,%
17068   tocstyle=part,%
17069   toclevel=\m@ne,%
17070   tocindent=\z@,%
17071   tocnumwidth=2em%
17072 ]{part}
17073 \DeclareSectionCommand[%
17074   style=section,%
17075   level=1,%
17076   indent=\z@,%
17077   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17078   afterskip=2.3ex \@plus .2ex,%
17079   tocstyle=section,%
17080   tocindent=0pt,%
17081   tocnumwidth=1.5em%
17082 ]{section}
17083 \DeclareSectionCommand[%
17084   style=section,%
17085   level=2,%
17086   indent=\z@,%
17087   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17088   afterskip=1.5ex \@plus .2ex,%
17089   tocstyle=subsection,%

```




```

17090 tocindent=1.5em,%
17091 tocnumwidth=2.3em%
17092]{subsection}
17093\DeclareSectionCommand[%
17094 style=section,%
17095 level=3,%
17096 indent=\z@,%
17097 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17098 afterskip=1.5ex \@plus .2ex,%
17099 tocstyle=subsection,%
17100 tocindent=3.8em,%
17101 tocnumwidth=3.2em%
17102]{subsubsection}
17103\DeclareSectionCommand[%
17104 style=section,%
17105 level=4,%
17106 indent=\z@,%
17107 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
17108 afterskip=-1em,%
17109 tocstyle=subsection,%
17110 tocindent=7.0em,%
17111 tocnumwidth=4.1em%
17112]{paragraph}
17113\DeclareSectionCommand[%
17114 style=section,%
17115 level=5,%
17116 indent=\scr@parindent,%
17117 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
17118 afterskip=-1em,%
17119 tocstyle=subsection,%
17120 tocindent=10em,%
17121 tocnumwidth=5em%
17122]{subparagraph}

```

105 File `scrbook-xetex-bidi.def`

```

17123\ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for X
17124\newcommand{\scr@saved@LTRfootnotetext}{}
17125\newcommand{\scr@saved@RTLfootnotetext}{}
17126\let\scr@saved@footnotetext\@footnotetext
17127\let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17128\let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17129\renewcommand{\@footnotetext}[1]{%
17130 \scr@saved@footnotetext{#1}%
17131 \csname FN@mf@prepare\endcsname
17132}
17133\renewcommand{\@LTRfootnotetext}[1]{%
17134 \scr@saved@LTRfootnotetext{#1}%
17135 \csname FN@mf@prepare\endcsname
17136}

```



```

17137 \renewcommand{\@RTLfootnotetext}[1]{%
17138   \scr@saved@RTLfootnotetext{#1}%
17139   \csname FN@mf@prepare\endcsname
17140 }
17141 \renewcommand\deffootnote[4][1]{%
17142   \long\def\@makefnmark##1{%
17143     \setlength{\@tempdimc}{#3}%
17144     \def\@tempa{#1}\ifx\@tempa\@empty
17145       \@setpar{\@par
17146         \@tempdima = \hsize
17147         \addtolength{\@tempdima}{-#2}%
17148         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17149       \else
17150         \addtolength{\@tempdimc}{#2}%
17151         \addtolength{\@tempdimc}{-#1}%
17152         \@setpar{\@par
17153           \@tempdima = \hsize
17154           \addtolength{\@tempdima}{-#1}%
17155           \@tempdimb = \hsize
17156           \addtolength{\@tempdimb}{-#2}%
17157           \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb\fi}%
17158       }%
17159       \fi
17160       \par
17161       \parindent\@tempdimc\noindent
17162       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17163     }%
17164     \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
17165   }
17166 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17167 \renewcommand*\left@footnoterule{%
17168   \normalsize\ftn@rule@test@values
17169   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
17170   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17171   {\usekomafont{footnoterule}{%
17172     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17173   \kern 2.6\p@}
17174 \renewcommand*\right@footnoterule{%
17175   \normalsize\ftn@rule@test@values
17176   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
17177   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17178   {\usekomafont{footnoterule}{%
17179     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17180     \kern 2.6\p@}
17181 \renewcommand*\maketitle[1][1]{%
17182   \if@titlepage
17183     \begin{titlepage}
17184       \setcounter{page}{%
17185         #1%
17186       }%

```



```

17187 \let\footnotesize\small
17188 \let\right@footnoterule\relax
17189 \let\left@footnoterule\relax
17190 \let\textwidth@footnoterule\relax
17191 \let\footnote\thanks
17192 \let\LTRfootnote\LTRthanks
17193 \let\RTLfootnote\RTLthanks
17194 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17195 \let\@oldmakefnmark\@makefnmark
17196 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17197 \ifx\@extratitle\@empty \else
17198 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17199 \thispagestyle{empty}%
17200 \fi
17201 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17202 \ifx\@titlehead\@empty \else
17203 \begin{minipage}[t]{\textwidth}%
17204 \@titlehead
17205 \end{minipage}\par
17206 \fi
17207 \null\vfill
17208 \begin{center}
17209 \ifx\@subject\@empty \else
17210 {\subject@font \@subject \par}%
17211 \vskip 3em
17212 \fi
17213 {\titlefont\huge \@title\par}%
17214 \vskip 1em
17215 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17216 \vskip 2em
17217 {\Large \lineskip 0.75em
17218 \begin{tabular}[t]{c}
17219 \@author
17220 \end{tabular}\par
17221 }%
17222 \vskip 1.5em
17223 {\Large \@date \par}%
17224 \vskip \z@ \@plus3fill
17225 {\Large \@publishers \par}%
17226 \vskip 3em
17227 \end{center}\par
17228 \@thanks
17229 \vfill\null
17230 \if@twoside\next@tpage
17231 \begin{minipage}[t]{\textwidth}
17232 \@uppertitleback
17233 \end{minipage}\par
17234 \vfill
17235 \begin{minipage}[b]{\textwidth}
17236 \@lowertitleback

```



```

17237         \end{minipage}
17238     \fi
17239     \ifx\@dedication\@empty \else
17240         \next@tpage\null\vfill
17241         {\centering \Large \@dedication \par}%
17242         \vskip \z@ \@plus3fill
17243         \if@twoside \next@tpage\cleardoubleemptypage \fi
17244     \fi
17245     \end{titlepage}
17246 \else
17247     \par
17248     \@tempcnta=%
17249     #1%
17250     \relax\ifnum\@tempcnta=1\else
17251         \ClassWarning{\KOMAClassName}{%
17252             Optional argument of \string\maketitle\space ignored
17253             at\MessageBreak
17254             notitlepage-mode%
17255         }%
17256     \fi
17257     \begingroup
17258         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17259         \let\@oldmakefnmark\@makefnmark
17260         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17261         \if@twocolumn
17262             \ifnum \col@number=\@ne
17263                 \@maketitle
17264             \else
17265                 \twocolumn[\@maketitle]%
17266             \fi
17267         \else
17268             \newpage
17269             \global\@topnum\z@
17270             \@maketitle
17271         \fi
17272         \thispagestyle{\titlepagestyle}\@thanks
17273     \endgroup
17274     \fi
17275     \setcounter{footnote}{0}%
17276     \let\thanks\relax
17277     \let\LTRthanks\relax
17278     \let\RTLthanks\relax
17279     \let\maketitle\relax
17280     \let\@maketitle\relax
17281     \global\let\@thanks\@empty
17282     \global\let\@author\@empty
17283     \global\let\@date\@empty
17284     \global\let\@title\@empty
17285     \global\let\@subtitle\@empty
17286     \global\let\@extratitle\@empty

```



```

17287 \global\let\@titlehead\@empty
17288 \global\let\@subject\@empty
17289 \global\let\@publishers\@empty
17290 \global\let\@uppertitleback\@empty
17291 \global\let\@lowertitleback\@empty
17292 \global\let\@dedication\@empty
17293 \global\let\author\relax
17294 \global\let\title\relax
17295 \global\let\extratitle\relax
17296 \global\let\titlehead\relax
17297 \global\let\subject\relax
17298 \global\let\publishers\relax
17299 \global\let\uppertitleback\relax
17300 \global\let\lowertitleback\relax
17301 \global\let\dedication\relax
17302 \global\let\date\relax
17303 \global\let\and\relax
17304 }%
17305 \renewcommand*{\@maketitle}{%
17306   \clearpage
17307   \let\footnote\thanks
17308   \let\LTRfootnote\LTRthanks
17309   \let\RTLfootnote\RTLthanks
17310   \ifx\@extratitle\@empty \else
17311     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17312   \fi
17313   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17314   \ifx\@titlehead\@empty \else
17315     \begin{minipage}[t]{\textwidth}
17316       \@titlehead
17317     \end{minipage}\par
17318   \fi
17319   \null
17320   \vskip 2em%
17321   \begin{center}%
17322     \ifx\@subject\@empty \else
17323       {\subject@font \@subject \par}
17324       \vskip 1.5em
17325     \fi
17326     {\titlefont\huge \@title \par}%
17327     \vskip .5em
17328     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17329     \vskip 1em
17330     {\Large
17331       \lineskip .5em%
17332       \begin{tabular}[t]{c}
17333         \@author
17334       \end{tabular}\par
17335     }%
17336     \vskip 1em%

```



```

17337 {\Large \@date \par}%
17338 \vskip \z@ \@plus 1em
17339 {\Large \@publishers \par}
17340 \ifx\@dedication\@empty \else
17341 \vskip 2em
17342 {\Large \@dedication \par}
17343 \fi
17344 \end{center}%
17345 \par
17346 \vskip 2em
17347 }%
17348 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17349 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17350 \renewcommand*\thesection{%
17351 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17352 \if@mainmatter\thechapter\@SepMark\fi
17353 \else
17354 \thechapter\@SepMark%
17355 \fi
17356 \@arabic\c@section
17357 }
17358 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
17359 \renewcommand*\thesubsubsection{%
17360 \thesubsection\@SepMark\@arabic\c@subsubsection
17361 }
17362 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17363 \renewcommand*\thesubparagraph{%
17364 \theparagraph\@SepMark\@arabic\c@subparagraph
17365 }
17366 \renewcommand*\thefigure{%
17367 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17368 \if@mainmatter\thechapter\@SepMark\fi
17369 \else
17370 \thechapter\@SepMark%
17371 \fi
17372 \@arabic\c@figure
17373 }
17374 \renewcommand*\thetable{%
17375 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17376 \if@mainmatter\thechapter\@SepMark\fi
17377 \else
17378 \thechapter\@SepMark%
17379 \fi
17380 \@arabic\c@table
17381 }
17382 \renewcommand*\theequation{%
17383 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17384 \if@mainmatter\thechapter\@SepMark\fi
17385 \else
17386 \thechapter\@SepMark%

```



```

17387 \fi
17388 \@arabic\c@equation
17389 }
17390 \renewenvironment{thebibliography}[1]{%
17391 \if@bib@break@
17392 \bib@beginhook
17393 \else
17394 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17395 \setchapterpreamble{\bibpreamble}%
17396 \fi\fi
17397 \bib@heading
17398 \bib@beginhook
17399 \bib@before@hook
17400 \fi
17401 \renewcommand{\BreakBibliography}[1]{%
17402 \@bib@break
17403 \end{thebibliography}%
17404 \begingroup ##1\endgroup
17405 \begin{thebibliography}{#1}
17406 }%
17407 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17408 \bidi@thebibliography@font@hook%
17409 \list{%
17410 \@biblabel{\@arabic\c@enumiv}%
17411 }{%
17412 \settowidth\labelwidth{\@biblabel{#1}}%
17413 \leftmargin\labelwidth
17414 \advance\leftmargin\labelsep
17415 \@openbib@code
17416 \if@bib@break@
17417 \edef\@tempa{%
17418 \noexpand\usecounter{enumiv}%
17419 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17420 }\@tempa
17421 \no@bib@break
17422 \else
17423 \usecounter{enumiv}%
17424 \fi
17425 \let\p@enumiv\@empty
17426 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17427 }%
17428 \sloppy\clubpenalty4000 \widowpenalty4000
17429 \sfcode`\.=\@m
17430 }{%
17431 \if@bib@break@
17432 \def\@noitemerr{%
17433 \@latex@warning{%
17434 \string\BreakBibliography\space at begin of `thebibliography'
17435 environment\MessageBreak
17436 or following \string\BreakBibliography}%

```



```

17437 }%
17438 \else
17439 \def\@noitemerr{%
17440 \@latex@warning{%
17441 Empty `thebibliography' environment or
17442 \string\BreakBibliography\MessageBreak
17443 before end of `thebibliography' environment}%
17444 }%
17445 \fi
17446 \endlist
17447 \if@bib@break@
17448 \else
17449 \bib@after@hook
17450 \let\bib@before@hook\@empty
17451 \let\bib@after@hook\@empty
17452 \fi
17453 \bib@endhook
17454 }
17455 \renewcommand*\left@footnoterule{%
17456 \kern-3\p@
17457 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17458 \hrule\@width.4\columnwidth
17459 \kern 2.6\p@}
17460 \renewcommand*\right@footnoterule{%
17461 \kern-3\p@
17462 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17463 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17464 \kern2.6\p@}
17465 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17466 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17467 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17468 \renewcommand\marginline[1]{%
17469 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17470 }
17471 \renewcommand{\@makecaption}[3]{%
17472 \cap@margin
17473 \ifonelinecaptions
17474 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17475 \let\scr@tmp@footnotetext=\@footnotetext
17476 \let\@footnotetext=\@gobble
17477 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17478 \let\@LTRfootnotetext=\@gobble
17479 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17480 \let\@RTLfootnotetext=\@gobble
17481 \sbox\@tempboxa{%
17482 {\capfont{\strut\ignorespaces
17483 #1{\caplabelfont{#2\captionformat}}}%
17484 #3\unskip\strut}}%
17485 }%
17486 \let\@footnotetext=\scr@tmp@footnotetext

```




```

17487 \let\scr@tmp@footnotetext=\undefined
17488 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17489 \let\scr@tmp@LTRfootnotetext=\undefined
17490 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17491 \let\scr@tmp@RTLfootnotetext=\undefined
17492 \setcounter{footnote}{\@tempcntb}%
17493 \setcounter{mpfootnote}{\@tempcnta}%
17494 \else
17495 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17496 \fi
17497 \begingroup%
17498 \setlength{\@tempdima}{\cap@width}%
17499 \ifdim \wd\@tempboxa >\@tempdima
17500 \hb@xt@\hsize{%
17501 \setbox\@tempboxa\vbox{\hsize=\cap@width
17502 \ifdoofullc@p
17503 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17504 #1{\caplabelfont{#2\captionformat}}}}}%
17505 {\#3\unskip\strut\par}}}%
17506 \else%
17507 \ifdim\cap@indent<\z@
17508 {\capfont{\strut\ignorespaces
17509 #1{\caplabelfont{#2\captionformat\par}}}%
17510 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
17511 \else%
17512 \if@capbreak
17513 {\capfont{\strut\ignorespaces
17514 #1{\caplabelfont{#2\captionformat\par}}}%
17515 \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
17516 \else
17517 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17518 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17519 {\caplabelfont{#2\captionformat}}}}{\#3\unskip\strut\par}}}%
17520 \fi
17521 \fi
17522 \fi
17523 }%
17524 \setlength{\@tempdima}{\ht\@tempboxa}%
17525 \addtolength{\@tempdima}{\dp\@tempboxa}%
17526 \addtolength{\@tempdima}{-\ht\strutbox}%
17527 \ht\@tempboxa\ht\strutbox
17528 \dp\@tempboxa\@tempdima
17529 \strut\cap@left
17530 \box\@tempboxa
17531 \cap@right\strut
17532 }%
17533 \else
17534 \global \@minipagefalse
17535 \sbox\@tempboxa{%
17536 {\capfont{\scr@smashdp{\strut\ignorespaces

```



```

17537         #1{{\caplabelfont{#2\captionformat}}}}%
17538         #3}}%
17539     }%
17540     {\capfont{\hb@xt@{hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\c
17541     \fi
17542 \endgroup
17543 }
17544 \renewcommand{\@makecaption}[2]{%
17545 \if@captionabove
17546 \vskip\belowcaptionskip
17547 \else
17548 \vskip\abovecaptionskip
17549 \fi
17550 \@makecaption\@firstofone{#1}{#2}%
17551 \if@captionabove
17552 \vskip\abovecaptionskip
17553 \else
17554 \vskip\belowcaptionskip
17555 \fi
17556 }
17557 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17558 \@ifpackageloaded{caption2}{\@komalongtablefalse
17559 \scr@caption@before@longtable@warning{caption2}%
17560 }{}%
17561 \if@komalongtable
17562 \renewcommand{\LT@makecaption}[3]{%
17563 \noalign{%
17564 \if@captionabove
17565 \vskip\belowcaptionskip
17566 \else
17567 \vskip\abovecaptionskip
17568 \fi
17569 }%
17570 \LT@mcol\LT@cols c{%
17571 \hbox to\z@{\hss\parbox[t]{linewidth{%
17572 \@makecaption{#1}{#2}{#3}%
17573 \endgraf
17574 \if@captionabove
17575 \vskip\abovecaptionskip
17576 \else
17577 \vskip\belowcaptionskip
17578 \fi
17579 }%
17580 \hss
17581 }%
17582 }%
17583 }%
17584 \renewcommand*{\scr@LT@array}{}%
17585 \let\scr@LT@array=\LT@array
17586 \renewcommand*{\LT@array}{%

```



```

17587 \let\scr@caption=\LT@caption
17588 \def\captionabove{\noalign{\global\@captionabovetrue}%
17589 \scr@caption}%
17590 \def\captionbelow{\noalign{\global\@captionabovefalse}%
17591 \scr@caption}%
17592 \if@tablecaptionabove
17593 \let\LT@caption=\captionabove
17594 \else
17595 \let\LT@caption=\captionbelow
17596 \fi
17597 \scr@LT@array
17598 }%
17599 \ClassInfo{\KOMAClassName}{%
17600 longtable captions redefined%
17601 }%
17602 \fi
17603 }
17604
17605 \CloneTOCEntryStyle{tocline}{part}
17606 \TOCEntryStyleStartInitCode{part}{%
17607 \expandafter\renewcommand%
17608 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17609 \expandafter\renewcommand%
17610 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17611 \expandafter\renewcommand%
17612 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17613 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17614 \expandafter\renewcommand\expandafter*%
17615 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
17616 }
17617
17618 \CloneTOCEntryStyle{tocline}{chapter}
17619 \TOCEntryStyleStartInitCode{chapter}{%
17620 \expandafter\renewcommand%
17621 \csname scr@tso@#1@linefill\endcsname{%
17622 \if@chapterentrywithdots
17623 \TOCLineLeaderFill\relax
17624 \else
17625 \hfill
17626 \fi
17627 }%
17628 \expandafter\renewcommand%
17629 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17630 \expandafter\renewcommand%
17631 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17632 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17633 \expandafter\renewcommand\expandafter*%
17634 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
17635 }
17636

```



```

17637 \CloneTOCEntryStyle{tocline}{section}
17638 \TOCEntryStyleStartInitCode{section}{%
17639   \expandafter\renewcommand%
17640   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17641 }
17642
17643 \CloneTOCEntryStyle{section}{default}
17644
17645 \DeclareSectionCommand[%
17646   style=part,%
17647   level=\m@ne,%
17648   pagestyle=plain,%
17649   tocstyle=part,%
17650   toplevel=\m@ne,%
17651   tocindent=\z@,%
17652   tocnumwidth=2em%
17653 ]{part}
17654 \DeclareSectionCommand[%
17655   style=chapter,%
17656   level=\z@,%
17657   pagestyle=plain,%
17658   tocstyle=chapter,%
17659   tocindent=\z@,%
17660   tocnumwidth=1.5em%
17661 ]{chapter}
17662 \DeclareSectionCommand[%
17663   style=section,%
17664   level=1,%
17665   indent=\z@,%
17666   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17667   afterskip=2.3ex \@plus .2ex,%
17668   tocstyle=section,%
17669   tocindent=1.5em,%
17670   tocnumwidth=2.3em%
17671 ]{section}
17672 \DeclareSectionCommand[%
17673   style=section,%
17674   level=2,%
17675   indent=\z@,%
17676   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17677   afterskip=1.5ex \@plus .2ex,%
17678   tocstyle=section,%
17679   tocindent=3.8em,%
17680   tocnumwidth=3.2em%
17681 ]{subsection}
17682 \DeclareSectionCommand[%
17683   style=section,%
17684   level=3,%
17685   indent=\z@,%
17686   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%

```



```

17687 afterskip=1.5ex \@plus .2ex,%
17688 tocstyle=section,%
17689 tocindent=7.0em,%
17690 tocnumwidth=4.1em%
17691]{subsubsection}
17692\DeclareSectionCommand[%
17693 style=section,%
17694 level=4,%
17695 indent=\z@,%
17696 beforekip=3.25ex \@plus1ex \@minus.2ex,%
17697 afterskip=-1em,%
17698 tocstyle=section,%
17699 tocindent=10em,%
17700 tocnumwidth=5em%
17701]{paragraph}
17702\DeclareSectionCommand[%
17703 style=section,%
17704 level=5,%
17705 indent=\scr@parindent,%
17706 beforekip=3.25ex \@plus1ex \@minus.2ex,%
17707 afterskip=-1em,%
17708 tocstyle=section,%
17709 tocindent=12em,%
17710 tocnumwidth=6em%
17711]{subparagraph}
17712
17713

```

106 File scrlettr-xetex-bidi.def

```

17714\ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17715\renewcommand\deffootnote[4][]{%
17716 \long\def\@makefnmark##1{%
17717 \edef\@tempa{#1}\ifx\@tempa\@empty
17718 \setpar{\@par
17719 \tempdima = \hsize
17720 \addtolength{\tempdima}{-#2}
17721 \if@RTL\parshape \@ne Opt \tempdima\else\parshape \@ne #2 \tempdima\fi}%
17722 \else
17723 \setpar{\@par
17724 \tempdima = \hsize
17725 \addtolength{\tempdima}{-#1}
17726 \tempdimb = \hsize
17727 \addtolength{\tempdimb}{-#2}
17728 \if@RTL\parshape \tw@ Opt \tempdima Opt \tempdimb\else\parshape \tw@ #1 \tempdima #
17729 \fi
17730 \par
17731 \parindent #3\noindent
17732 \hbox to \z@{\hss\@makefnmark}##1}
17733 \def\@makefnmark{\hbox{#4}}

```



```

17734 }
17735 \def\footnote[1em]{1.5em}{1em}
17736 {\textsuperscript{\thefootnotemark}}
17737 \def\left@footnoterule{\kern-1\p@
17738 \hrule width 0.4\columnwidth
17739 \kern .6\p@}
17740 \def\right@footnoterule{%
17741 \kern-1\p@
17742 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17743 \kern .6\p@}
17744 \def\@datefield{\@reffalse
17745 \ifx\varyourref\@empty \else \@reftrue \fi
17746 \ifx\varyourmail\@empty \else \@reftrue \fi
17747 \ifx\varmyref\@empty \else \@reftrue \fi
17748 \ifx\varcustomer\@empty \else \@reftrue \fi
17749 \ifx\varinvoice\@empty \else \@reftrue \fi
17750 \ifx\varrefitemi\@empty \else \@reftrue \fi
17751 \ifx\varrefitemii\@empty \else \@reftrue \fi
17752 \ifx\varrefitemiii\@empty \else \@reftrue \fi
17753 \vskip -\parskip
17754 \vskip \refvskip
17755 \if@ref
17756 \ifx\varyourref\@empty \else
17757 \settowidth{\sc@temp}{\varyourref}
17758 \setbox0\hbox{\scriptsize \sf \yourrefname}
17759 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17760 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
17761 \fi
17762 \ifx\varyourmail\@empty \else
17763 \settowidth{\sc@temp}{\varyourmail}
17764 \setbox0\hbox{\scriptsize \sf \yourmailname}
17765 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17766 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
17767 \fi
17768 \ifx\varmyref\@empty \else
17769 \settowidth{\sc@temp}{\varmyref}
17770 \setbox0\hbox{\scriptsize \sf \myrefname}
17771 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17772 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
17773 \fi
17774 \ifx\varcustomer\@empty \else
17775 \settowidth{\sc@temp}{\varcustomer}
17776 \setbox0\hbox{\scriptsize \sf \customername}
17777 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17778 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
17779 \fi
17780 \ifx\varinvoice\@empty \else
17781 \settowidth{\sc@temp}{\varinvoice}
17782 \setbox0\hbox{\scriptsize \sf \invoicename}
17783 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi

```



```

17784 \parbox[t]{\sc@temp}{\noindent \box0\par \varinvoice}\hfill
17785 \fi
17786 \ifx\varrefitemi\@empty \else
17787 \settowidth{\sc@temp}{\varrefitemi}
17788 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
17789 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17790 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemi}\hfill
17791 \fi
17792 \ifx\varrefitemii\@empty \else
17793 \settowidth{\sc@temp}{\varrefitemii}
17794 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
17795 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17796 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemii}\hfill
17797 \fi
17798 \ifx\varrefitemiii\@empty \else
17799 \settowidth{\sc@temp}{\varrefitemiii}
18000 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
18001 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18002 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemiii}\hfill
18003 \fi
18004 \ifx\@date\@empty \else
18005 \settowidth{\sc@temp}{\@date}
18006 \setbox0\hbox{\scriptsize \sf \datename}
18007 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18008 \parbox[t]{\sc@temp}{\noindent \box0\par \@date}
18009 \fi
18010 \par
18011 \vspace{2.5\baselineskip}
18012 \else
18013 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
18014 \vspace{1.5\baselineskip}
18015 \fi}
18016 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
18017 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
18018 -\sigindent \hspace{\sigindent}}%
18019 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}\\[\presigskip]
18020 \fromsig\strut}\par
18021 \vspace{1.5\baselineskip}}

```

107 File scrreprt-xetex-bidi.def

```

17822 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
17823 \newcommand{\scr@saved@LTRfootnotetext}{}
17824 \newcommand{\scr@saved@RTLfootnotetext}{}
17825 \let\scr@saved@footnotetext\@footnotetext
17826 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17827 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17828 \renewcommand{\@footnotetext}[1]{%
17829 \scr@saved@footnotetext{#1}%
17830 \csname FN@mf@prepare\endcsname

```



```

17831 }
17832 \renewcommand{\@LTRfootnotetext}[1]{%
17833   \scr@saved@LTRfootnotetext{#1}%
17834   \csname FN@mf@prepare\endcsname
17835 }
17836 \renewcommand{\@RTLfootnotetext}[1]{%
17837   \scr@saved@RTLfootnotetext{#1}%
17838   \csname FN@mf@prepare\endcsname
17839 }
17840 \renewcommand\deffootnote[4][1]{%
17841   \long\def\@makefnmark##1{%
17842     \setlength{\@tempdimc}{#3}%
17843     \def\@tempa{#1}\ifx\@tempa\@empty
17844       \setpar{\@par
17845         \@tempdima = \hsize
17846         \addtolength{\@tempdima}{-#2}%
17847         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17848     \else
17849       \addtolength{\@tempdimc}{#2}%
17850       \addtolength{\@tempdimc}{-#1}%
17851       \setpar{\@par
17852         \@tempdima = \hsize
17853         \addtolength{\@tempdima}{-#1}%
17854         \@tempdimb = \hsize
17855         \addtolength{\@tempdimb}{-#2}%
17856         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb}%
17857     }%
17858   \fi
17859   \par
17860   \parindent\@tempdimc\noindent
17861   \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17862 }%
17863 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17864 }
17865 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17866 \renewcommand*\left@footnoterule{%
17867   \normalsize\ftn@rule@test@values
17868   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17869   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17870   {\usekomafont{footnoterule}{%
17871     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17872   \kern 2.6\p@}
17873 \renewcommand*\right@footnoterule{%
17874   \normalsize\ftn@rule@test@values
17875   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17876   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17877   {\usekomafont{footnoterule}{%
17878     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17879     \kern 2.6\p@}
17880 \renewcommand*\maketitle[1][1]{%

```




```

17881 \if@titlepage
17882 \begin{titlepage}
17883 \setcounter{page}{%
17884 #1%
17885 }%
17886 \let\footnotesize\small
17887 \let\right@footnoterule\relax
17888 \let\left@footnoterule\relax
17889 \let\textwidth@footnoterule\relax
17890 \let\footnote\thanks
17891 \let\LTRfootnote\LTRthanks
17892 \let\RTLfootnote\RTLthanks
17893 \renewcommand*\thefootnote{\fnsymbol\c@footnote}%
17894 \let\@oldmakefnmark\@makefnmark
17895 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
17896 \ifx\@extratitle\@empty \else
17897 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17898 \thispagestyle{empty}%
17899 \fi
17900 \setparsizes{z@}{z@}{z@\@plus 1fil}\par@updaterelative
17901 \ifx\@titlehead\@empty \else
17902 \begin{minipage}[t]{\textwidth}%
17903 \@titlehead
17904 \end{minipage}\par
17905 \fi
17906 \null\vfill
17907 \begin{center}
17908 \ifx\@subject\@empty \else
17909 {\subject@font \@subject \par}%
17910 \vskip 3em
17911 \fi
17912 {\titlefont\huge \@title\par}%
17913 \vskip 1em
17914 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17915 \vskip 2em
17916 {\Large \lineskip 0.75em
17917 \begin{tabular}[t]{c}
17918 \@author
17919 \end{tabular}\par
17920 }%
17921 \vskip 1.5em
17922 {\Large \@date \par}%
17923 \vskip z@ \@plus3fill
17924 {\Large \@publishers \par}%
17925 \vskip 3em
17926 \end{center}\par
17927 \@thanks
17928 \vfill\null
17929 \if@twoside\next@tpage
17930 \begin{minipage}[t]{\textwidth}

```



```

17931         \@uppertitleback
17932     \end{minipage}\par
17933     \vfill
17934     \begin{minipage}[b]{\textwidth}
17935         \@lowertitleback
17936     \end{minipage}
17937 \fi
17938 \ifx\@dedication\@empty \else
17939     \next@tpage\null\vfill
17940     {\centering \Large \@dedication \par}%
17941     \vskip \z@ \@plus3fill
17942     \if@twoside \next@tpage\cleardoubleemptypage \fi
17943 \fi
17944 \end{titlepage}
17945 \else
17946     \par
17947     \@tempcnta=%
17948     #1%
17949     \relax\ifnum\@tempcnta=1\else
17950         \ClassWarning{\KOMAClassName}{%
17951             Optional argument of \string\maketitle\space ignored
17952             at\MessageBreak
17953             notitlepage-mode%
17954         }%
17955     \fi
17956     \begingroup
17957         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17958         \let\@oldmakefnmark\@makefnmark
17959         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17960         \if@twocolumn
17961             \ifnum \col@number=\@one
17962                 \@maketitle
17963             \else
17964                 \twocolumn[\@maketitle]%
17965             \fi
17966         \else
17967             \newpage
17968             \global\@topnum\z@
17969             \@maketitle
17970         \fi
17971         \thispagestyle{\titlepagestyle}\@thanks
17972     \endgroup
17973 \fi
17974 \setcounter{footnote}{0}%
17975 \let\thanks\relax
17976 \let\LTRthanks\relax
17977 \let\RTLthanks\relax
17978 \let\maketitle\relax
17979 \let\@maketitle\relax
17980 \global\let\@thanks\@empty

```



```

17981 \global\let\@author\@empty
17982 \global\let\@date\@empty
17983 \global\let\@title\@empty
17984 \global\let\@subtitle\@empty
17985 \global\let\@extratitle\@empty
17986 \global\let\@titlehead\@empty
17987 \global\let\@subject\@empty
17988 \global\let\@publishers\@empty
17989 \global\let\@uppertitleback\@empty
17990 \global\let\@lowertitleback\@empty
17991 \global\let\@dedication\@empty
17992 \global\let\author\relax
17993 \global\let\title\relax
17994 \global\let\extratitle\relax
17995 \global\let\titlehead\relax
17996 \global\let\subject\relax
17997 \global\let\publishers\relax
17998 \global\let\uppertitleback\relax
17999 \global\let\lowertitleback\relax
18000 \global\let\dedication\relax
18001 \global\let\date\relax
18002 \global\let\and\relax
18003 }%
18004 \renewcommand*{\@maketitle}{%
18005 \clearpage
18006 \let\footnote\thanks
18007 \let\LTRfootnote\LTRthanks
18008 \let\RTLfootnote\RTLthanks
18009 \ifx\@extratitle\@empty \else
18010 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
18011 \fi
18012 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updatebaseline
18013 \ifx\@titlehead\@empty \else
18014 \begin{minipage}[t]{\textwidth}
18015 \@titlehead
18016 \end{minipage}\par
18017 \fi
18018 \null
18019 \vskip 2em%
18020 \begin{center}%
18021 \ifx\@subject\@empty \else
18022 {\subject@font \@subject \par}
18023 \vskip 1.5em
18024 \fi
18025 {\titlefont\huge \@title \par}%
18026 \vskip .5em
18027 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18028 \vskip 1em
18029 {\Large
18030 \lineskip .5em%

```



```

18031 \begin{tabular}[t]{c}
18032 \@author
18033 \end{tabular}\par
18034 }%
18035 \vskip 1em%
18036 {\Large \@date \par}%
18037 \vskip \z@ \@plus 1em
18038 {\Large \@publishers \par}
18039 \ifx\@dedication\@empty \else
18040 \vskip 2em
18041 {\Large \@dedication \par}
18042 \fi
18043 \end{center}%
18044 \par
18045 \vskip 2em
18046 }%
18047 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18048 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18049 \renewcommand*\thesection{%
18050 \thechapter\@SepMark%
18051 \@arabic\c@section
18052 }
18053 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
18054 \renewcommand*{\thesubsubsection}{%
18055 \thesubsection\@SepMark\@arabic\c@subsubsection
18056 }
18057 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18058 \renewcommand*{\thesubparagraph}{%
18059 \theparagraph\@SepMark\@arabic\c@subparagraph
18060 }
18061 \renewcommand*\thefigure{%
18062 \thechapter\@SepMark%
18063 \@arabic\c@figure
18064 }
18065 \renewcommand*\thetable{%
18066 \thechapter\@SepMark%
18067 \@arabic\c@table
18068 }
18069 \renewcommand*\theequation{%
18070 \thechapter\@SepMark%
18071 \@arabic\c@equation
18072 }
18073 \renewenvironment{thebibliography}[1]{%
18074 \if@bib@break@
18075 \bib@beginhook
18076 \else
18077 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18078 \setchapterpreamble{\bibpreamble}%
18079 \fi\fi
18080 \bib@heading

```



```

18081 \bib@beginhook
18082 \bib@before@hook
18083 \fi
18084 \renewcommand{\BreakBibliography}[1]{%
18085 \@bib@break
18086 \end{thebibliography}%
18087 \begingroup ##1\endgroup
18088 \begin{thebibliography}{#1}
18089 }%
18090 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
18091 \bidi@thebibliography@font@hook%
18092 \list{%
18093 \@biblabel{\@arabic\c@enumiv}%
18094 }{%
18095 \settowidth\labelwidth{\@biblabel{#1}}%
18096 \leftmargin\labelwidth
18097 \advance\leftmargin\labelsep
18098 \@openbib@code
18099 \if@bib@break@
18100 \edef\@tempa{%
18101 \noexpand\usecounter{enumiv}%
18102 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18103 }\@tempa
18104 \no@bib@break
18105 \else
18106 \usecounter{enumiv}%
18107 \fi
18108 \let\p@enumiv\@empty
18109 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18110 }%
18111 \sloppy\clubpenalty4000 \widowpenalty4000
18112 \sfcode`\.=\@m
18113 }{%
18114 \if@bib@break@
18115 \def\@noitemerr{%
18116 \@latex@warning{%
18117 \string\BreakBibliography\space at begin of `thebibliography'
18118 environment\MessageBreak
18119 or following \string\BreakBibliography}%
18120 }%
18121 \else
18122 \def\@noitemerr{%
18123 \@latex@warning{%
18124 Empty `thebibliography' environment or
18125 \string\BreakBibliography\MessageBreak
18126 before end of `thebibliography' environment}%
18127 }%
18128 \fi
18129 \endlist
18130 \if@bib@break@

```



```

18131 \else
18132 \bib@after@hook
18133 \let\bib@before@hook\empty
18134 \let\bib@after@hook\empty
18135 \fi
18136 \bib@endhook
18137 }
18138 \renewcommand*\left@footnoterule{%
18139 \kern-3\p@
18140 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18141 \hrule\@width.4\columnwidth
18142 \kern 2.6\p@}
18143 \renewcommand*\right@footnoterule{%
18144 \kern-3\p@
18145 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18146 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18147 \kern2.6\p@}
18148 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
18149 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
18150 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18151 \renewcommand\marginline[1]{%
18152 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18153 }
18154 \renewcommand{\@makecaption}[3]{%
18155 \cap@margin
18156 \ifonelinecaptions
18157 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18158 \let\scr@tmp@footnotetext=\@footnotetext
18159 \let\@footnotetext=\@gobble
18160 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18161 \let\@LTRfootnotetext=\@gobble
18162 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18163 \let\@RTLfootnotetext=\@gobble
18164 \sbox\@tempboxa{%
18165 {\capfont{\strut\ignorespaces
18166 #1{\caplabelfont{#2\captionformat}}}%
18167 #3\unskip\strut}}%
18168 }%
18169 \let\@footnotetext=\scr@tmp@footnotetext
18170 \let\scr@tmp@footnotetext=\undefined
18171 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18172 \let\scr@tmp@LTRfootnotetext=\undefined
18173 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18174 \let\scr@tmp@RTLfootnotetext=\undefined
18175 \setcounter{footnote}{\@tempcntb}%
18176 \setcounter{mpfootnote}{\@tempcnta}%
18177 \else
18178 \sbox\@tempboxa{\hspace*{2\cap@width}}%
18179 \fi
18180 \begingroup%

```



```

18181 \setlength{\@tempdima}{\cap@width}%
18182 \ifdim \wd\@tempboxa >\@tempdima
18183 \hb@xt@\hsize{%
18184 \setbox\@tempboxa\vbox{\hsize=\cap@width
18185 \ifdofullc@p
18186 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18187 #1{\caplabelfont{#2\captionformat}}}}}%
18188 {#3\unskip\strut\par}}}%
18189 \else%
18190 \ifdim\cap@indent<\z@
18191 {\capfont{\strut\ignorespaces
18192 #1{\caplabelfont{#2\captionformat\par}}}%
18193 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
18194 \else%
18195 \if@capbreak
18196 {\capfont{\strut\ignorespaces
18197 #1{\caplabelfont{#2\captionformat\par}}}%
18198 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
18199 \else
18200 {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}%
18201 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18202 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
18203 \fi
18204 \fi
18205 \fi
18206 }%
18207 \setlength{\@tempdima}{\ht\@tempboxa}%
18208 \addtolength{\@tempdima}{\dp\@tempboxa}%
18209 \addtolength{\@tempdima}{-\ht\strutbox}%
18210 \ht\@tempboxa\ht\strutbox
18211 \dp\@tempboxa\@tempdima
18212 \strut\cap@left
18213 \box\@tempboxa
18214 \cap@right\strut
18215 }%
18216 \else
18217 \global \@minipagefalse
18218 \sbox\@tempboxa{%
18219 {\capfont{\scr@smashdp{\strut\ignorespaces
18220 #1{\caplabelfont{#2\captionformat}}}}}%
18221 #3}}%
18222 }%
18223 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
18224 \fi
18225 \endgroup
18226 }
18227 \renewcommand{\@makecaption}[2]{%
18228 \if@captionabove
18229 \vskip\belowcaptionskip
18230 \else

```



```

18231 \vskip\abovecaptionskip
18232 \fi
18233 \@@makecaption\@firstofone{#1}{#2}%
18234 \if@captionabove
18235 \vskip\abovecaptionskip
18236 \else
18237 \vskip\belowcaptionskip
18238 \fi
18239 }
18240 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18241 \@@ifpackageloaded{caption2}{\@komalongtablefalse
18242 \scr@caption@before@longtable@warning{caption2}%
18243 }{}%
18244 \if@komalongtable
18245 \renewcommand{\LT@makecaption}[3]{%
18246 \noalign{%
18247 \if@captionabove
18248 \vskip\belowcaptionskip
18249 \else
18250 \vskip\abovecaptionskip
18251 \fi
18252 }%
18253 \LT@mcol\LT@cols c{%
18254 \hbox to\z@{\hss\parbox[t]{\linewidth{%
18255 \@@makecaption{#1}{#2}{#3}%
18256 \endgraf
18257 \if@captionabove
18258 \vskip\abovecaptionskip
18259 \else
18260 \vskip\belowcaptionskip
18261 \fi
18262 }%
18263 \hss
18264 }%
18265 }%
18266 }%
18267 \renewcommand*{\scr@LT@array}{}%
18268 \let\scr@LT@array=\LT@array
18269 \renewcommand*{\LT@array}{%
18270 \let\scr@caption=\LT@caption
18271 \def\captionabove{\noalign{\global\@captionabovetrue}%
18272 \scr@caption}%
18273 \def\captionbelow{\noalign{\global\@captionabovetrue}%
18274 \scr@caption}%
18275 \if@tablecaptionabove
18276 \let\LT@caption=\captionabove
18277 \else
18278 \let\LT@caption=\captionbelow
18279 \fi
18280 \scr@LT@array

```




```

18281 }%
18282 \ClassInfo{\KOMAClassName}{%
18283     longtable captions redefined%
18284 }%
18285 \fi
18286 }
18287
18288 \CloneTOCEntryStyle{tocline}{part}
18289 \TOCEntryStyleStartInitCode{part}{%
18290     \expandafter\renewcommand%
18291     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18292     \expandafter\renewcommand%
18293     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18294     \expandafter\renewcommand%
18295     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18296         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18297     \expandafter\renewcommand\expandafter*%
18298     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
18299 }
18300
18301 \CloneTOCEntryStyle{tocline}{chapter}
18302 \TOCEntryStyleStartInitCode{chapter}{%
18303     \expandafter\renewcommand%
18304     \csname scr@tso@#1@linefill\endcsname{%
18305         \ifchapterentrywithdots
18306             \TOCLineLeaderFill\relax
18307         \else
18308             \hfill
18309         \fi
18310     }%
18311     \expandafter\renewcommand%
18312     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18313     \expandafter\renewcommand%
18314     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18315         \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18316     \expandafter\renewcommand\expandafter*%
18317     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
18318 }
18319
18320 \CloneTOCEntryStyle{tocline}{section}
18321 \TOCEntryStyleStartInitCode{section}{%
18322     \expandafter\renewcommand%
18323     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18324 }
18325
18326 \CloneTOCEntryStyle{section}{default}
18327
18328 \DeclareSectionCommand[%
18329     style=part,%
18330     level=\m@ne,%

```



```

18331 pagestyle=plain,%
18332 tocstyle=part,%
18333 toplevel=\m@ne,%
18334 tocindent=\z@,%
18335 tocnumwidth=2em%
18336]{part}
18337\DeclareSectionCommand[%
18338 style=chapter,%
18339 level=\z@,%
18340 pagestyle=plain,%
18341 tocstyle=chapter,%
18342 tocindent=\z@,%
18343 tocnumwidth=1.5em%
18344]{chapter}
18345\DeclareSectionCommand[%
18346 style=section,%
18347 level=1,%
18348 indent=\z@,%
18349 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
18350 afterskip=2.3ex \@plus .2ex,%
18351 tocstyle=section,%
18352 tocindent=1.5em,%
18353 tocnumwidth=2.3em%
18354]{section}
18355\DeclareSectionCommand[%
18356 style=section,%
18357 level=2,%
18358 indent=\z@,%
18359 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18360 afterskip=1.5ex \@plus .2ex,%
18361 tocstyle=section,%
18362 tocindent=3.8em,%
18363 tocnumwidth=3.2em%
18364]{subsection}
18365\DeclareSectionCommand[%
18366 style=section,%
18367 level=3,%
18368 indent=\z@,%
18369 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18370 afterskip=1.5ex \@plus .2ex,%
18371 tocstyle=section,%
18372 tocindent=7.0em,%
18373 tocnumwidth=4.1em%
18374]{subsubsection}
18375\DeclareSectionCommand[%
18376 style=section,%
18377 level=4,%
18378 indent=\z@,%
18379 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
18380 afterskip=-1em,%

```



```

18381   tocstyle=section,%
18382   tocindent=10em,%
18383   tocnumwidth=5em%
18384 }{paragraph}
18385 \DeclareSectionCommand[%
18386   style=section,%
18387   level=5,%
18388   indent=\scr@parindent,%
18389   beforekip=3.25ex \@plus1ex \@minus .2ex,%
18390   afterskip=-1em,%
18391   tocstyle=section,%
18392   tocindent=12em,%
18393   tocnumwidth=6em%
18394 ]{subparagraph}
18395
18396

```

108 File sidecap-xetex-bidi.def

```

18397 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18398 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18399   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18400 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18401 \renewcommand*{\SC@justify@caption}{\if@RTL%
18402 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\else%
18403   \isSC@ODD{\RaggedRight}{\RaggedLeft}}\fi}

```

109 File soul-xetex-bidi.def

```

18404 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18405 \long\def\SOUL@start#1{%
18406   \let\bid@RTL@everypar\@empty
18407   \let\<\SOUL@lowerthan
18408   \let\>\empty
18409   \def\soulomit{\noexpand\soulomit}%
18410   \gdef\SOUL@eventuallyexhyphen##1{%
18411     \let\SOUL@soeventuallyskip\relax
18412     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18413       \@minus\fontdimen4\font
18414     \SOUL@ignorespacesfalse
18415     \leavevmode
18416     \SOUL@preamble
18417     \SOUL@lasttoken={}%
18418     \SOUL@word={}%
18419     \SOUL@minus\z@
18420     \SOUL@comma\z@
18421     \SOUL@apo\z@
18422     \SOUL@grave\z@
18423     \SOUL@do{#1}%
18424     \SOUL@postamble

```



```

18425 }}
18426 \def\SOUL@ulunderline#1{%
18427     \setbox\z@\hbox{#1}%
18428     \dimen@=\wd\z@
18429     \dimen@i=\SOUL@uloverlap
18430     \advance\dimen@2\dimen@i
18431     \if@RTL
18432     \unhcopy\z@
18433     \llap{%
18434         \null
18435         \kern-\dimen@i
18436         \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18437     }%
18438     \else
18439     \rlap{%
18440         \null
18441         \kern-\dimen@i
18442         \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18443     }%
18444     \unhcopy\z@
18445     \fi
18446 }}
18447 \def\bid@SOUL@ulleaders{%
18448     \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\re
18449 }
18450 \def\SOUL@uleveryspace#1{%
18451     \if@RTL
18452     #1%
18453     \bid@SOUL@ulleaders
18454     \hskip\spaceskip
18455     \else
18456     \SOUL@ulcolor{%
18457         #1%
18458         \SOUL@ulleaders
18459         \hskip\spaceskip
18460     }%
18461     \fi
18462     \null
18463 }

```

110 File stabular-xetex-bidi.def

```

18464 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
18465 \def\@stabular{%
18466     \leavevmode \bgroup \if@RTLtab\beginR \fi
18467     \let\@acol\@tabacol
18468     \let\@classz\@tabclassz
18469     \let\@classiv\@tabclassiv \let\\ \@tabularcr \@stabarray}
18470 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18471     \egroup \if@RTLtab\endR\fi\egroup}

```



```

18472 \expandafter \let \csname endstabular*\endcsname = \endstabular
18473 \def\@sarray[#1]#2{%
18474   \bgroup
18475   \setbox\@arstrutbox\hbox{%
18476     \vrule \@height\arraystretch\ht\strutbox
18477           \@depth\arraystretch \dp\strutbox
18478           \@width\z@}%
18479   \@mkpream{#2}%
18480   \edef\@preamble{%
18481     \ialign \noexpand\@halignto
18482       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18483   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18484   \let\tabularnewline\\%
18485   \let\@sharp##%
18486   \set@typeset@protect
18487   \lineskip\z@skip\baselineskip\z@skip
18488   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
18489   \@preamble}

```

111 File subfigure-xetex-bidi.def

```

18490 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18491 \AtBeginDocument{%
18492   \let\p@subfigure=\thefigure
18493   \let\p@subtable=\thetable%
18494 }

```

112 File tabs-xetex-bidi.def

```

18495 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for Xe]
18496 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18497
18498 \expandafter\let\csname endtabular*\endcsname=\endtabular
18499
18500 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
18501   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18502   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18503
18504 \def\@array[#1]#2{% remember global variables to allow recursion:
18505   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18506     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18507   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18508   \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18509   \else \let\@tarlinesep\tablinesep \fi
18510   \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18511   \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
18512   \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18513   \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18514     \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
18515     \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep

```



```

18516 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18517     \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18518 \let\protect\noexpand
18519 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18520 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18521 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18522 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
18523 \bgroup \let\par\@empty
18524 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18525 \advance\extrarulesep.5\arrayrulewidth
18526 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18527 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
18528 \@preamble}

```

113 File tabularx-xetex-bidi.def

```

18529 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
18530 \def\TX@endtabularx{%
18531     \expandafter\expandafter\expandafter
18532     \TX@find@endtabularxa\csname end\TX@\endcsname
18533     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18534     \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}}%
18535 \let\verb\TX@verb
18536 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18537 \edef\TX@ckpt{\cl@ckpt}%
18538 \let\@elt\relax
18539 \TX@old@table\maxdimen
18540 \TX@col@width\TX@target
18541 \global\TX@cols\@ne
18542 \TX@typeout@
18543     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18544 \TX@trial{\def\NC@rewriteX{%
18545     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18546 \loop
18547     \TX@arith
18548     \ifTX@
18549     \TX@trial{}%
18550 \repeat
18551 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18552 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18553 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18554 \csname tabular*\expandafter\endcsname\expandafter\TX@target
18555     \the\toks@
18556     \csname endtabular*\endcsname}%
18557 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18558 \ifnum0=`\fi}%
18559 \expandafter\expandafter\expandafter
18560 \TX@find@endtabularxbb
18561 \expandafter\end\expandafter{\TX@}%
18562 \endtabularx\TX@\endtabularx\TX@find@endtabularxb

```



```

18563 }
18564
18565 \def\TX@trial#1{%
18566   \setbox\@tempboxa\hbox{%
18567     #1\relax
18568   \let\@footnotetext\TX@trial@ftn
18569   \let\@LTRfootnotetext\TX@trial@ftn
18570   \let\@RTLfootnotetext\TX@trial@ftn
18571   \let\TX@vwarn\@empty
18572   \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18573   \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18574   \def\write{\begingroup
18575     \def\let{\afterassignment\endgroup\toks@}%
18576     \afterassignment\let\count@}%
18577     \hbadness\@M
18578     \hfuzz\maxdimen
18579     \let\hbadness\@tempcnta
18580     \let\hfuzz\@tempdima
18581     \expandafter\tabular\the\toks@
18582     \endtabular}%
18583   \TX@ckpt
18584   \TX@typeout@\{\@spaces
18585     \expandafter\TX@align
18586     \the\wd\@tempboxa\space\space\space\space\space\@@
18587     \expandafter\TX@align
18588     \the\TX@col@width\space\space\space\space\space\@@
18589     \@spaces\the\TX@cols}}
18590
18591 \long\def\TX@LTRftntext#1{%
18592   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18593     [\the\csname c@\@mpfn\endcsname]}}%
18594   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18595 \long\def\TX@xLTRftntext[#1]#2{%
18596   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
18597
18598 \long\def\TX@RTLftntext#1{%
18599   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18600     [\the\csname c@\@mpfn\endcsname]}}%
18601   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18602 \long\def\TX@xRTLftntext[#1]#2{%
18603   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

114 File tabulary-xetex-bidi.def

```

18604 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18605 \def\@testpach{\@chclass
18606   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18607   \ifnum \@lastchclass=7 5 \else
18608   \ifnum \@lastchclass=8 \tw@ \else
18609   \ifnum \@lastchclass=9 \thr@@

```



```

18610 \else \z@
18611 \ifnum \@lastchclass = 10 \else
18612 \edef\@nextchar{\expandafter\string\@nextchar}%
18613 \@chnum
18614 \if \@nextchar c\z@ \else
18615 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
18616 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
18617 \if \@nextchar C7 \else
18618 \if \@nextchar L8 \else
18619 \if \@nextchar R9 \else
18620 \if \@nextchar J10 \else
18621 \z@ \@chclass
18622 \if \@nextchar |\@ne \else
18623 \if \@nextchar !6 \else
18624 \if \@nextchar @7 \else
18625 \if \@nextchar <8 \else
18626 \if \@nextchar >9 \else
18627 10
18628 \@chnum
18629 \if \@nextchar m\thr@@\else
18630 \if \@nextchar p4 \else
18631 \if \@nextchar b5 \else
18632 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
18633 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

115 File tc-xetex-bidi.def

```

18634 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
18635 \def\@cliptoboxdim#1{%
18636   \setbox#1=\hbox{%
18637     \Gin@defaultbp\WIDTH{\wd#1}%
18638     \Gin@defaultbp\DEPTH{\dp#1}%
18639     \@tempdima\ht#1%
18640     \advance\@tempdima\dp#1%
18641     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18642     \beginL\special{pdf:bcontent }%
18643     \special{%
18644       pdf:literal direct
18645       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18646     }%
18647     \special{pdf:literal direct W }%
18648     \special{pdf:literal direct n }%
18649     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18650     \special{pdf:econtent }\endL%
18651   }%
18652 }

```

116 File tcolorbox-xetex-bidi.def

```

18653 \ProvidesFile{tcolorbox-xetex-bidi.def}[2017/08/15 v0.1 bidi adaptations for tcolorbox package]

```




```

18654 \let\endtcbox@lrbox=\endminipage
18655 \let\endtcbox@savebox=\endtcbox@lrbox
18656
18657 \bidi@patchcmd{\tcbox@vbox}{%
18658   \let\@footnotetext\@mpfootnotetext%
18659 }{%
18660   \let\@footnotetext\@mpfootnotetext%
18661   \let\@LTRfootnotetext\@mpLTRfootnotetext%
18662   \let\@RTLfootnotetext\@mpRTLfootnotetext%
18663 }{}{}
18664
18665 \bidi@patchcmd{\endtcbox@vbox}{%
18666   \footnoterule%
18667 }{%
18668   \bidi@mpfootnoterule%
18669 }{}{}

```

117 File titlesec-xetex-bidi.def

```

18670 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18671 \renewcommand\filright{%
18672   \gdef\ttl@filleft##1{\hskip##1}%
18673   \gdef\ttl@filright##1{\hfill}%
18674   \let\\\@centercr
18675   \advance\rightskip\z@ \@plus 1fil
18676   \parfillskip\z@}
18677 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18678   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18679   \setlength\leftskip{#6}%
18680   \setlength\rightskip{#7}%
18681   \interlinepenalty\@M
18682   \ttl@change@centercr
18683   \ttl@begin@longest
18684   #1{\ifhmode\ttl@hmode@error\fi
18685     \ttl@glcmds
18686     \parindent\z@
18687     \leavevmode
18688     \begin@group
18689     \ifttl@label
18690       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18691       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18692       \llap{\box\z@}%
18693     \fi
18694     #4{#8}%
18695     \kern\z@\strut\@par
18696     \endgroup
18697     \nobreak\ttl@mid@longest#5\@par}%
18698   \ttl@end@longest}

```



118 File titletoc-xetex-bidi.def

```

18699 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18700 \renewcommand\filright{%
18701   \gdef\ttl@filleft##1{\hskip##1}%
18702   \gdef\ttl@filright##1{\hfill}%
18703   \let\\\@centercr
18704   \advance\rightskip\z@ \@plus 1fil
18705   \parfillskip\z@}
18706 \renewcommand\contentspush[1]{%
18707   \sbox\z@{#1}%
18708   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18709   \aftergroup\ttl@b
18710   \leavevmode\llap{\box\z@}}
18711 \def\ttl@outnoblock#1#2#3{%
18712   \begingroup
18713   \ifnum\ttl@b>\ttl@a
18714     \nobreak
18715   \else\ifnum\ttl@b<\ttl@a
18716     \addpenalty{\@secpenalty}%
18717   \else
18718     \addpenalty{\z@}%
18719   \fi\fi
18720   \ttl@contentsstretch
18721   \nobreak
18722   \ifcase#1\relax\else\interlinepenalty\@M\fi
18723   \parindent\z@
18724   \ifx\@nil#2%
18725     \PackageError{titletoc}{Unimplemented}%
18726     {The optional argument is currently mandatory}%
18727   \else
18728     \if@RTL\setlength\rightskip{#2}\else
18729     \setlength\leftskip{#2}\fi%
18730   \fi
18731   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18732   \let\contentsmargin\ttl@margin
18733   \def\ttl@makeline##1{##1}%
18734   #3%
18735   \addtolength{\parfillskip}{-\ttl@corr}%
18736   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
18737   \let\ttl@leaders\leaders}
18738 \renewcommand\ttl@margin[2][\z@]{%
18739   \def\ttl@corr{#1}%
18740   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
18741   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
18742   \def\@pnumwidth{#2}}
18743 \let\ttl@savel@part\l@part
18744 \def\l@part{\ttl@lselect{part}}
18745
18746 \let\ttl@savel@chapter\l@chapter

```



```
18747 \def\l@chapter{\ttl@lselect{chapter}}
```

119 File tocbibind-xetex-bidi.def

```
18748 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
18749 \if@dotocbib
18750 \if@packageloaded{natbib}{\% natbib not loaded
18751 \renewcommand{\bibsection}{\t@cb@bchapsec}
18752 \renewenvironment{thebibliography}[1]{\%
18753 \bibsection
18754 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
18755 \renewenvironment{thebibitemlist}[1]{
18756 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18757 \bidi@thebibliography@font@hook%
18758 \list{\@biblabel{\@arabic\c@enumiv}}{\%
18759 {\settowidth\labelwidth{\@biblabel{#1}}\%
18760 \leftmargin\labelwidth
18761 \advance\leftmargin\labelsep
18762 \@openbib@code
18763 \usecounter{enumiv}\%
18764 \let\p@enumiv\@empty
18765 \renewcommand\theenumiv{\@arabic\c@enumiv}}\%
18766 \sloppy
18767 \clubpenalty4000
18768 \@clubpenalty \clubpenalty
18769 \widowpenalty4000%
18770 \sfcode`\.\@m}
18771 {\def\@noitemerr
18772 {\@latex@warning{Empty `thebibliography' environment}}}%
18773 \endlist}
18774
18775 \if@packagewith{chapterbib}{sectionbib}%
18776 {\renewcommand{\sectionbib}[2]{}}%
18777 {}
18778
18779 \fi
18780 \if@inltxdoc\else
18781 \renewenvironment{theindex}%
18782 {\if@twocolumn
18783 \@restonecolfalse
18784 \else
18785 \@restonecoltrue
18786 \fi
18787 \if@bibchapter
18788 \if@donumindex
18789 \refstepcounter{chapter}
18790 \twocolumn[\vspace*{2\topskip}\%
18791 \@makechapterhead{\indexname}}\%
18792 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
18793 \chaptermark{\indexname}
```



```

18794         \else
18795             \if@dotocind
18796                 \twocolumn[\vspace*{2\topskip}%
18797                     \@makeschapterhead{\indexname}}%
18798                 \prw@mkboth{\indexname}
18799                 \addcontentsline{toc}{chapter}{\indexname}
18800             \else
18801                 \twocolumn[\vspace*{2\topskip}%
18802                     \@makeschapterhead{\indexname}}%
18803                 \prw@mkboth{\indexname}
18804             \fi
18805         \fi
18806     \else
18807         \if@donumindex
18808             \twocolumn[\vspace*{-1.5\topskip}%
18809                 \@nameuse{\@tocextra}{\indexname}}%
18810             \csname \@tocextra mark\endcsname{\indexname}
18811         \else
18812             \if@dotocind
18813                 \twocolumn[\vspace*{-1.5\topskip}%
18814                     \toc@headstar{\@tocextra}{\indexname}}%
18815                 \prw@mkboth{\indexname}
18816                 \addcontentsline{toc}{\@tocextra}{\indexname}
18817             \else
18818                 \twocolumn[\vspace*{-1.5\topskip}%
18819                     \toc@headstar{\@tocextra}{\indexname}}%
18820                 \prw@mkboth{\indexname}
18821             \fi
18822         \fi
18823     \fi
18824     \thispagestyle{plain}\parindent\z@
18825     \parskip\z@ \@plus .3\p@\relax
18826     \let\item\@idxitem}
18827     {\if@restonecol\onecolumn\else\clearpage\fi}
18828 \fi

```

120 File tocloft-xetex-bidi.def

```

18829 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
18830 \let\cftdot\@SepMark
18831 \if@cfthaspart
18832 \renewcommand*{\l@part}[2]{
18833     \cftdopartfalse
18834     \ifnum \c@tocdepth >-2\relax
18835         \if@cfthaschapter
18836             \cftdoparttrue
18837         \fi
18838         \ifnum \c@tocdepth >\m@ne
18839             \if@cfthaschapter\else
18840                 \cftdoparttrue

```



```

18841     \fi
18842   \fi
18843 \fi
18844 \if@cftdopart
18845   \if@cfthaschapter
18846     \addpenalty{-\@highpenalty}
18847   \else
18848     \addpenalty\@secpenalty
18849   \fi
18850   \addvspace{\cftbeforepartskip}
18851   \begingroup
18852     {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
18853     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18854     \parfillskip -\if@RTL\leftskip\else\righskip\fi
18855     \parindent \cftpartindent\relax\@afterindenttrue
18856     \interlinepenalty\@M
18857     \leavevmode
18858     \@tempdima \cftpartnumwidth\relax
18859     \let\@cftbsnum \cftpartpresnum
18860     \let\@cftasnum \cftpartaftersnum
18861     \let\@cftasnumb \cftpartaftersnumb
18862     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
18863     {\cftpartfont \cftpartpresnum #1}
18864     \cftpartfillnum{#2}}
18865   \nobreak
18866   \if@cfthaschapter
18867     \global\@nobreaktrue
18868     \everypar{\global\@nobreakfalse\everypar{}}
18869   \else
18870     \if@compatibility
18871       \global\@nobreaktrue
18872       \everypar{\global\@nobreakfalse\everypar{}}
18873     \fi
18874   \fi
18875 \endgroup
18876 \fi}
18877 \fi
18878 \if@cfthaschapter
18879 \renewcommand*{\l@chapter}[2]{
18880   \ifnum \c@tocdepth >\m@ne
18881     \addpenalty{-\@highpenalty}
18882     \vskip \cftbeforechapskip
18883     {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
18884     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18885     \parfillskip -\if@RTL\leftskip\else\righskip\fi
18886     \parindent \cftchapindent\relax\@afterindenttrue
18887     \interlinepenalty\@M
18888     \leavevmode
18889     \@tempdima \cftchapnumwidth\relax
18890     \let\@cftbsnum \cftchappresnum

```



```

18891 \let\@cftasnum \cftchapaftersnum
18892 \let\@cftasnumb \cftchapaftersnumb
18893 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18894 {\cftchapfont #1}\nobreak
18895 \cftchapfillnum{#2}}
18896 \fi}
18897 \fi
18898 \renewcommand*{\l@section}[2]{%
18899 \ifnum \c@tocdepth >\z@
18900 \if@cfthaschapter
18901 \vskip \cftbeforesecskip
18902 \else
18903 \addpenalty\@secpenalty
18904 \addvspace{\cftbeforesecskip}
18905 \fi
18906 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
18907 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18908 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18909 \parindent \cftsecindent\relax\@afterindenttrue
18910 \interlinepenalty\@M
18911 \leavevmode
18912 \@tempdima \cftsecnumwidth\relax
18913 \let\@cftbsnum \cftsecpresnum
18914 \let\@cftasnum \cftsecaftersnum
18915 \let\@cftasnumb \cftsecaftersnumb
18916 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18917 {\cftsecfont #1}\nobreak
18918 \cftsecfillnum{#2}}
18919 \fi}
18920 \renewcommand*{\l@subsection}[2]{%
18921 \ifnum \c@tocdepth >\@ne
18922 \vskip \cftbeforesubsecskip
18923 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
18924 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18925 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18926 \parindent \cftsubsecindent\relax\@afterindenttrue
18927 \interlinepenalty\@M
18928 \leavevmode
18929 \@tempdima \cftsubsecnumwidth\relax
18930 \let\@cftbsnum \cftsubsecpresnum
18931 \let\@cftasnum \cftsubsecaftersnum
18932 \let\@cftasnumb \cftsubsecaftersnumb
18933 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18934 {\cftsubsecfont #1}\nobreak
18935 \cftsubsecfillnum{#2}}
18936 \fi}
18937 \renewcommand*{\l@subsubsection}[2]{%
18938 \ifnum \c@tocdepth >\tw@
18939 \vskip \cftbeforesubsubsecskip
18940 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax

```



```

18941 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18942 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18943 \parindent \cftsubsubsecindent\relax\@afterindenttrue
18944 \interlinepenalty\@M
18945 \leavevmode
18946 \@tempdima \cftsubsubsecnumwidth\relax
18947 \let\@cftbsnum \cftsubsubsecpresnum
18948 \let\@cftasnum \cftsubsubsecaftersnum
18949 \let\@cftasnumb \cftsubsubsecaftersnumb
18950 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18951 {\cftsubsubsecfont #1}\nobreak
18952 {\cftsubsubsecfillnum{#2}}
18953 \fi}
18954 \renewcommand*{\l@paragraph}[2]{%
18955 \ifnum \c@tocdepth >3\relax
18956 \vskip \cftbeforeparaskip
18957 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
18958 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18959 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18960 \parindent \cftparaindent\relax\@afterindenttrue
18961 \interlinepenalty\@M
18962 \leavevmode
18963 \@tempdima \cftparanumwidth\relax
18964 \let\@cftbsnum \cftparapresnum
18965 \let\@cftasnum \cftparaaftersnum
18966 \let\@cftasnumb \cftparaaftersnumb
18967 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18968 {\cftparafont #1}\nobreak
18969 {\cftparafillnum{#2}}
18970 \fi}
18971 \renewcommand*{\l@subparagraph}[2]{%
18972 \ifnum \c@tocdepth >4\relax
18973 \vskip \cftbeforesubparaskip
18974 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
18975 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18976 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18977 \parindent \cftsubparaindent\relax\@afterindenttrue
18978 \interlinepenalty\@M
18979 \leavevmode
18980 \@tempdima \cftsubparanumwidth\relax
18981 \let\@cftbsnum \cftsubparapresnum
18982 \let\@cftasnum \cftsubparaaftersnum
18983 \let\@cftasnumb \cftsubparaaftersnumb
18984 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18985 {\cftsubparafont #1}\nobreak
18986 {\cftsubparafillnum{#2}}
18987 \fi}
18988 \renewcommand*{\l@figure}[2]{%
18989 \ifnum \c@lofdepth >\z@
18990 \vskip \cftbeforefigskip

```



```

18991 {\if@RTL\rightrightskip\else\leftskip\fi \cftfigindent\relax
18992 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18993 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18994 \parindent \cftfigindent\relax\@afterindenttrue
18995 \interlinepenalty\@M
18996 \leavevmode
18997 \@tempdima \cftfignumwidth\relax
18998 \let\@cftbsnum \cftfigpresnum
18999 \let\@cftasnum \cftfigaftersnum
19000 \let\@cftasnumb \cftfigaftersnumb
19001 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip\else\leftskip\fi
19002 {\cftfigfont #1}\nobreak
19003 \cftfigfillnum{#2}}
19004 \fi
19005 }
19006 \renewcommand*{\l@table}[2]{%
19007 \ifnum\c@lotdepth > \z@
19008 \vskip \cftbeforetabskip
19009 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
19010 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19011 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19012 \parindent \cfttabindent\relax\@afterindenttrue
19013 \interlinepenalty\@M
19014 \leavevmode
19015 \@tempdima \cfttabnumwidth\relax
19016 \let\@cftbsnum \cfttabpresnum
19017 \let\@cftasnum \cfttabaftersnum
19018 \let\@cftasnumb \cfttabaftersnumb
19019 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip\else\leftskip\fi
19020 {\cfttabfont #1}\nobreak
19021 \cfttabfillnum{#2}}
19022 \fi
19023 }
19024 \renewcommand{\@cftl@subfig}{%
19025 \renewcommand*{\l@subfigure}[2]{%
19026 \ifnum \c@lofdepth > \toclevel@subfigure
19027 \vskip \cftbeforesubfigskip
19028 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubfigindent\relax
19029 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19030 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19031 \parindent \cftsubfigindent\relax\@afterindenttrue
19032 \interlinepenalty\@M
19033 \leavevmode
19034 \@tempdima \cftsubfignumwidth\relax
19035 \let\@cftbsnum \cftsubfigpresnum
19036 \let\@cftasnum \cftsubfigaftersnum
19037 \let\@cftasnumb \cftsubfigaftersnumb
19038 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip\else\leftskip\fi
19039 {\cftsubfigfont ##1}\nobreak
19040 \cftsubfigfillnum{##2}}

```




```

19041 \fi
19042 }
19043 }
19044 \renewcommand{\@cftl@subtab}{
19045 \renewcommand*{\l@subtable}[2]{%
19046 \ifnum \c@lotdepth > \toclevel@subtable
19047 \vskip \cftbeforesubtabskip
19048 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
19049 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19050 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19051 \parindent \cftsubtabindent\relax\@afterindenttrue
19052 \interlinepenalty\@M
19053 \leavevmode
19054 \@tempdima \cftsubtabnumwidth\relax
19055 \let\@cftbsnum \cftsubtabpresnum
19056 \let\@cftasnum \cftsubtabaftersnum
19057 \let\@cftasnumb \cftsubtabaftersnumb
19058 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19059 {\cftsubtabfont ##1}\nobreak
19060 \cftsubtabfillnum{##2}}
19061 \fi
19062 }
19063 }
19064 \renewcommand{\newlistentry}[4][\@empty]{%
19065 \@ifundefined{c@#2}{% check & set the counter
19066 \ifx \@empty#1\relax
19067 \newcounter{#2}
19068 \else
19069 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
19070 {#1 has no counter for use as a `within'}
19071 \newcounter{#2}}%
19072 {\newcounter{#2}[#1}%
19073 \expandafter\edef\csname the#2\endcsname{%
19074 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
19075 \fi
19076 \setcounter{#2}{0}
19077 }
19078 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19079
19080 \@namedef{l@#2}##1##2{%
19081 \ifnum \@nameuse{c@#3depth} > #4\relax
19082 \vskip \@nameuse{cftbefore#2skip}
19083 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
19084 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19085 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19086 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19087 \interlinepenalty\@M
19088 \leavevmode
19089 \@tempdima \@nameuse{cft#2numwidth}\relax
19090 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname

```



```

19091 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19092 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19093 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righ
19094 {\@nameuse{cft#2font}##1}\nobreak
19095 \@nameuse{cft#2fillnum}{##2}}
19096 \fi
19097 } % end of \l@#2
19098
19099 \expandafter\newlength\csname cftbefore#2skip\endcsname
19100 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
19101 \expandafter\newlength\csname cft#2indent\endcsname
19102 \expandafter\newlength\csname cft#2numwidth\endcsname
19103 \ifcase #4\relax % 0
19104 \setlength{\@nameuse{cft#2indent}}{0em}
19105 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19106 \or % 1
19107 \setlength{\@nameuse{cft#2indent}}{1.5em}
19108 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19109 \or % 2
19110 \setlength{\@nameuse{cft#2indent}}{3.8em}
19111 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19112 \or % 3
19113 \setlength{\@nameuse{cft#2indent}}{7.0em}
19114 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19115 \else % anything else
19116 \setlength{\@nameuse{cft#2indent}}{10.0em}
19117 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19118 \fi
19119 \@namedef{cft#2font}{\normalfont}
19120 \@namedef{cft#2presnum}{\}
19121 \@namedef{cft#2aftersnum}{\}
19122 \@namedef{cft#2aftersnumb}{\}
19123 \@namedef{cft#2dotsep}{\cftdotsep}
19124 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19125 \@namedef{cft#2pagefont}{\normalfont}
19126 \@namedef{cft#2afterpnum}{\}
19127 \@namedef{toclevel@#2}{#4}
19128 \@namedef{cft#2fillnum}##1{%
19129 {\@nameuse{cft#2leader}}\nobreak
19130 \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
19131 } % end \newlistentry
19132 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
19133 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19134 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19135 \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
19136 \textit{#1}\protect\par}}}

```

121 File tocbasic-xetex-bidi.def

```

19137 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package 1

```



```

19138 \bidi@undef\scr@dte@def@l@undottedtocline
19139 \bidi@undef\scr@dte@undottedtocline@init
19140 \DeclareTOCEntryStyle{undottedtocline}{%
19141   \DefineTOCEntryLengthOption{indent}%
19142     {scr@tso@}{@indent}{entry indent}%
19143   \DefineTOCEntryLengthOption{numwidth}%
19144     {scr@tso@}{@numwidth}{entry number width}%
19145   \@ifundefined{#1tocdepth}{%
19146     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19147       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19148         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19149           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19150             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19151               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19152                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19153                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19154                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19155                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
19156                         \csname #1numdepth\endcsname
19157                     }%
19158                   }%
19159                 }%
19160               }%
19161             }%
19162           }%
19163         }%
19164       }%
19165     }%
19166   }{}%
19167   \@ifundefined{scr@tso@#1@indent}{%
19168     \@ifundefined{scr@#1@tocindent}{%
19169       \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19170         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19171           \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19172             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19173               \scr@ifundefinedorrelax{l@chapter}{%
19174                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19175                   \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19176                     \ifstr{#1}{subsubsection}{%
19177                       \@namedef{scr@tso@#1@indent}{3.8em}%
19178                     }%
19179                   \ifstr{#1}{paragraph}{%
19180                     \@namedef{scr@tso@#1@indent}{7em}%
19181                   }%
19182                   \ifstr{#1}{subparagraph}{%
19183                     \@namedef{scr@tso@#1@indent}{10em}%
19184                   }%
19185                 }%
19186               }%
19187             }%

```



```

19188         }%
19189     }%
19190 }{%
19191     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19192         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19193             \ifstr{#1}{subsubsection}{%
19194                 \@namedef{scr@tso@#1@indent}{7.0em}%
19195             }{%
19196                 \ifstr{#1}{paragraph}{%
19197                     \@namedef{scr@tso@#1@indent}{10em}%
19198                 }{%
19199                     \ifstr{#1}{subparagraph}{%
19200                         \@namedef{scr@tso@#1@indent}{12em}%
19201                     }{%
19202                         }%
19203                     }%
19204                 }%
19205             }%
19206         }%
19207     }%
19208 }%
19209 }%
19210 }%
19211 }%
19212 }{%
19213     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19214 }%
19215 }{}%
19216 \@ifundefined{scr@tso@#1@numwidth}{%
19217     \@ifundefined{scr@#1@tocnumwidth}{%
19218         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19219             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19220                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19221                     \scr@ifundefinedorrelax{chapter}{%
19222                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19223                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19224                                 \ifstr{#1}{subsubsection}{%
19225                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
19226                                 }{%
19227                                     \ifstr{#1}{paragraph}{%
19228                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
19229                                     }{%
19230                                         \ifstr{#1}{subparagraph}{%
19231                                             \@namedef{scr@tso@#1@numwidth}{5m}%
19232                                         }{%
19233                                             }%
19234                                         }%
19235                                     }%
19236                                 }%
19237                             }%

```



```

19238     }{%
19239         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19240             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19241                 \ifstr{#1}{subsubsection}{%
19242                     \@namedef{scr@tso@#1@numwidth}{3.1em}%
19243                 }{%
19244                     \ifstr{#1}{paragraph}{%
19245                         \@namedef{scr@tso@#1@numwidth}{5em}%
19246                     }{%
19247                         \ifstr{#1}{subparagraph}{%
19248                             \@namedef{scr@tso@#1@numwidth}{6em}%
19249                         }{%
19250                             }%
19251                         }%
19252                     }%
19253                 }%
19254             }%
19255         }%
19256     }%
19257 }%
19258 }%
19259 }{%
19260     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19261 }%
19262 }{}%
19263 }]{%
19264     \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth}--\@ne\relax
19265         \ifnum \@nameuse{#1tocdepth}<\@ne
19266             \scr@ifundefinedorrelax{chapter}{%
19267                 \addpenalty\@secpenalty
19268                 \addvspace{1.0em \@plus\p@}%
19269             }{%
19270                 \addpenalty{-\@highpenalty}%
19271                 \vskip 1.0em \@plus\p@
19272             }%
19273         \else
19274             \addpenalty\@secpenalty
19275             \addvspace{1.0em \@plus\p@}%
19276         \fi
19277         \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19278         \begingroup
19279             \parindent \z@ \bidi@rightskip \@pnumwidth
19280             \parfillskip -\@pnumwidth
19281             \leavevmode
19282             \bfseries
19283             \advance\bidi@leftskip\@tempdima
19284             \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19285             \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19286             ##1%
19287             \nobreak

```



```

19288      \hfil \nobreak\hb@xt@{\@pnumwidth{\hss ##2}}%
19289      \par
19290      \penalty\@highpenalty
19291      \endgroup
19292  \fi
19293 }
19294
19295 \bidi@undef\scr@dte@def@l@largetocline
19296 \bidi@undef\scr@dte@largetocline@init
19297 \DeclareTOCEntryStyle{largetocline}[{%
19298   \DefineTOCEntryLengthOption{indent}%
19299   {scr@tso@}{@indent}{entry indent}%
19300   \@ifundefined{#1tocdepth}{%
19301     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19302       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19303         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19304           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19305             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19306               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19307                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19308                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19309                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19310                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
19311                         \csname #1numdepth\endcsname
19312                     }%
19313                   }%
19314                 }%
19315               }%
19316             }%
19317           }%
19318         }%
19319       }%
19320     }%
19321   }{}%
19322   \@ifundefined{scr@tso@#1@indent}{%
19323     \@ifundefined{scr@#1@tocindent}{%
19324       \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19325         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19326           \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19327             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19328               \scr@ifundefinedorrelax{l@chapter}{%
19329                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19330                   \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19331                     \ifstr{#1}{subsubsection}{%
19332                       \@namedef{scr@tso@#1@indent}{3.8em}%
19333                     }%
19334                   \ifstr{#1}{paragraph}{%
19335                     \@namedef{scr@tso@#1@indent}{7em}%
19336                   }%
19337                   \ifstr{#1}{subparagraph}{%

```



```

19338         \@namedef{scr@tso@#1@indent}{10em}%
19339     }{%
19340 }%
19341 }%
19342 }%
19343 }%
19344 }%
19345 }{%
19346     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19347     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19348     \ifstr{#1}{subsubsection}{%
19349     \@namedef{scr@tso@#1@indent}{7.0em}%
19350     }{%
19351     \ifstr{#1}{paragraph}{%
19352     \@namedef{scr@tso@#1@indent}{10em}%
19353     }{%
19354     \ifstr{#1}{subparagraph}{%
19355     \@namedef{scr@tso@#1@indent}{12em}%
19356     }{%
19357     }%
19358     }%
19359     }%
19360     }%
19361     }%
19362     }%
19363     }%
19364     }%
19365     }%
19366     }%
19367 }{%
19368     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19369 }%
19370 }{%
19371 }}{%
19372     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19373     \ifnum \@nameuse{#1tocdepth}<\@ne
19374     \scr@ifundefinedorrelax{chapter}{%
19375     \addpenalty\@secpenalty
19376     \addvspace{2.25em \@plus\p@}%
19377     }{%
19378     \addpenalty{-\@highpenalty}%
19379     \addvspace{2.25em \@plus\p@}%
19380     }%
19381     \else
19382     \addpenalty\@secpenalty
19383     \addvspace{2.25em \@plus\p@}%
19384     \fi
19385     \setlength\@tempdima{3em}%
19386     \begingroup
19387     \parindent \z@ \bidi@rightskip \@pnumwidth

```



```

19388 \parfillskip -\@pnumwidth
19389 \leavevmode
19390 \large
19391 \bfseries
19392 \advance\bidil@leftskip\@nameuse{scr@tso@#1@indent}%
19393 ##1%
19394 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19395 \par
19396 \nobreak
19397 \ifnum 0=
19398 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19399 \global\@nobreaktrue
19400 \everypar{\global\@nobreakfalse\everypar{}}%
19401 \fi
19402 \endgroup
19403 \fi
19404 }
19405
19406 \renewcommand*{\scr@dte@tocline}[3]{%
19407 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19408 \else
19409 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19410 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19411 {%
19412 \bidil@leftskip \@nameuse{scr@tso@#1@indent}\relax
19413 \bidil@rightskip \@tocrmarg
19414 \parfillskip -\bidil@rightskip
19415 \@nameuse{Ifscr@tso@#1@raggedpage}{%
19416 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19417 }{}%
19418 \parindent \@nameuse{scr@tso@#1@indent}\relax
19419 \@afterindenttrue
19420 \interlinepenalty\M
19421 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19422 \addtolength\bidil@rightskip\@flushglue
19423 \else
19424 \def\reserved@a{\raggedright}%
19425 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19426 \addtolength\bidil@rightskip\@flushglue
19427 \else
19428 \renewcommand\reserved@a{\raggedright}%
19429 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19430 \addtolength\bidil@rightskip\@flushglue
19431 \fi
19432 \fi
19433 \fi
19434 \leavevmode
19435 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19436 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19437 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%

```




```

19438 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19439 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19440 \fi
19441 }%
19442 }{}%
19443 \advance\bidil@leftskip \@tempdima
19444 \null\nobreak\hskip -\bidil@leftskip
19445 {%
19446 \usetocbasicnumberline
19447 \let\scr@dte@numberline@box\numberline@box
19448 \def\numberline@box##1{%
19449 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19450 \global\scr@dte@tocline@numberwidth
19451 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19452 \ifdim \scr@dte@tocline@numberwidth
19453 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19454 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19455 \fi
19456 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
19457 \ifdim \scr@dte@tocline@numberwidth
19458 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19459 +\@nameuse{scr@tso@#1@numsep}\relax
19460 \PackageWarning{tocbasic}%
19461 }{%
19462 number width of #1 toc entries should be
19463 increased!\MessageBreak
19464 Currently used number width =
19465 \the\wd\scr@dte@tocline@numbox,\MessageBreak
19466 Wanted number separation
19467 \space\space\space =
19468 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19469 Reserved number width \space\space\space\space\space\space =
19470 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19471 }%
19472 \fi
19473 }%
19474 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19475 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
19476 {\parfillskip\@flushglue\par}\nobreak\hskip-\bidil@leftskip
19477 }{}%
19478 }%
19479 \@nameuse{scr@tso@#1@entryformat}{%
19480 #2%
19481 \nobreak
19482 {%
19483 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
19484 \nobreak
19485 \@nameuse{scr@tso@#1@pagenumberbox}{%
19486 \@nameuse{scr@tso@#1@pagenumberformat}}{#3}%
19487 }%

```



```

19488         }%
19489         \@par
19490     }%
19491 }%
19492 }%
19493 \tocbasic@SetPenaltyByTOCLevel{#1}%
19494 \fi
19495 }
19496
19497 \bidi@undef\scr@dte@def@1@tocline
19498 \bidi@undef\scr@dte@tocline@init
19499 \DeclareTOCEntryStyle{tocline}[{%
19500 \DefineTOCEntryLengthOption{beforeskip}%
19501     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19502 \DefineTOCEntryIfOption{breakafternumber}%
19503     {scr@tso@}{@breakafternumber}{line break after number flag}%
19504 \DefineTOCEntryIfOption{dynnumwidth}%
19505     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19506 \DefineTOCEntryCommandOption{entryformat}%
19507     {scr@tso@}{@entryformat}[1]{entry format}%
19508 \DefineTOCEntryCommandOption{entrynumberformat}%
19509     {scr@tso@}{@numberformat}[1]{entry number format}%
19510 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19511     {scr@tso@}{@linefill}{filling between text and page number}%
19512 \DefineTOCEntryLengthOption{numsep}%
19513     {scr@tso@}{@numsep}{entry number separation}%
19514 \DefineTOCEntryCommandOption{onstarthigherlevel}%
19515     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19516 \DefineTOCEntryCommandOption{onstartlowerlevel}%
19517     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19518 \DefineTOCEntryCommandOption{onstartsamelevel}%
19519     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19520 \DefineTOCEntryCommandOption{pagenumberbox}%
19521     {scr@tso@}{@pagenumberbox}[1]{page number box}%
19522 \DefineTOCEntryCommandOption{pagenumberformat}%
19523     {scr@tso@}{@pagenumberformat}[1]{page number format}%
19524 \DefineTOCEntryOption{raggedentrytext}[true]{%
19525     \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
19526     \ifx\FamilyKeyState\FamilyKeyStateProcessed
19527         \if@tempswa
19528             \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19529             \raggedright
19530         \else
19531             \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19532             \relax
19533         \fi
19534     \fi
19535 }%
19536 \DefineTOCEntryIfOption{raggedpagenumber}%
19537     {scr@tso@}{@raggedpage}{page number ragged flag}%

```



```

19538 \DefineTOCEntryLengthOption{indent}%
19539   {scr@tso@}{@indent}{entry indent}%
19540 \DefineTOCEntryLengthOption{numwidth}%
19541   {scr@tso@}{@numwidth}{entry number width}%
19542 \scr@ifundefinedorrelax{#1tocdepth}{%
19543   \ifstrstart{#1}{sub}{%
19544     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{}%
19545     \expandafter\edef\csname #1tocdepth\endcsname{%
19546       \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19547     }%
19548   }%
19549 }{}%
19550 }{}%
19551 \@ifundefined{#1tocdepth}{%
19552   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19553     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19554       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19555         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19556           \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19557             \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19558               \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19559                 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19560                   \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19561                     \expandafter\let\csname #1tocdepth\endcsname
19562                     \csname #1numdepth\endcsname
19563                   }%
19564                 }%
19565               }%
19566             }%
19567           }%
19568         }%
19569       }%
19570     }%
19571   }%
19572 }{}%
19573 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19574   \@ifundefined{scr@#1@tocindent}{%
19575     \ifstrstart{#1}{sub}{%
19576       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19577         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19578         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19579           \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19580           \relax
19581         }%
19582       }%
19583     }{}%
19584     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19585       \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19586         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19587         \relax

```



```

19588         }%
19589     }{%
19590         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19591             \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@indent}%
19592                 +\noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%
19593             \relax
19594         }%
19595     }%
19596 }%
19597 }{%
19598 }{%
19599     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19600 }%
19601 }{%
19602 \@ifundefined{scr@tso@#1@indent}{%
19603     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19604         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19605             \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19606                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19607                     \scr@ifundefinedorrelax{l@chapter}{%
19608                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19609                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19610                                 \ifstr{#1}{subsubsection}{%
19611                                     \@namedef{scr@tso@#1@indent}{3.8em}%
19612                                 }{%
19613                                     \ifstr{#1}{paragraph}{%
19614                                         \@namedef{scr@tso@#1@indent}{7em}%
19615                                     }{%
19616                                         \ifstr{#1}{subparagraph}{%
19617                                             \@namedef{scr@tso@#1@indent}{10em}%
19618                                         }{%
19619                                             }%
19620                                         }%
19621                                     }%
19622                                 }%
19623                             }%
19624                         }{%
19625                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19626                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19627                                     \ifstr{#1}{subsubsection}{%
19628                                         \@namedef{scr@tso@#1@indent}{7.0em}%
19629                                     }{%
19630                                         \ifstr{#1}{paragraph}{%
19631                                             \@namedef{scr@tso@#1@indent}{10em}%
19632                                         }{%
19633                                             \ifstr{#1}{subparagraph}{%
19634                                                 \@namedef{scr@tso@#1@indent}{12em}%
19635                                             }{%
19636                                                 }%
19637                                             }%

```



```

19638         }%
19639     }%
19640 }%
19641 }%
19642 }%
19643 }%
19644 }%
19645 }%
19646 }{}%
19647 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19648     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19649         \ifstrstart{#1}{sub}{%
19650             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19651             \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19652                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19653                 +.9em%
19654             }\relax
19655         }%
19656     }%
19657 }{}%
19658 }{%
19659     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19660 }{}%
19661 }{}%
19662 \ifundefined{scr@tso@#1@numwidth}{%
19663     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19664         \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19665             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19666                 \scr@ifundefinedorrelax{chapter}{%
19667                     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19668                         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19669                             \ifstr{#1}{subsubsection}{%
19670                                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19671                             }{%
19672                                 \ifstr{#1}{paragraph}{%
19673                                     \@namedef{scr@tso@#1@numwidth}{4.1em}%
19674                                 }{%
19675                                     \ifstr{#1}{subparagraph}{%
19676                                         \@namedef{scr@tso@#1@numwidth}{5m}%
19677                                     }{%
19678                                         }%
19679                                     }%
19680                                 }%
19681                             }%
19682                         }%
19683                     }{}%
19684                 }\ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19685                     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19686                         \ifstr{#1}{subsubsection}{%
19687                             \@namedef{scr@tso@#1@numwidth}{3.1em}%

```



```

19688         }{%
19689         \ifstr{#1}{paragraph}{%
19690             \@namedef{scr@tso@#1@numwidth}{5em}%
19691         }{%
19692             \ifstr{#1}{subparagraph}{%
19693                 \@namedef{scr@tso@#1@numwidth}{6em}%
19694             }{%
19695             }%
19696         }%
19697     }%
19698 }%
19699 }%
19700 }%
19701 }%
19702 }%
19703 }%
19704 }{}%
19705 \expandafter\renewcommand%
19706 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19707 \expandafter\renewcommand%
19708 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19709 \expandafter\renewcommand%
19710 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19711 \@ifundefined{scr@tso@#1@beforeskip}{%
19712     \ifstr{#1}{part}{%
19713         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19714     }{%
19715         \ifstr{#1}{chapter}{%
19716             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19717         }{%
19718             \ifstr{#1}{section}{%
19719                 \scr@ifundefinedorrelax{1@chapter}{%
19720                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19721                 }{}%
19722             }{}%
19723         }%
19724     }%
19725     \expandafter\renewcommand\expandafter*%
19726     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19727 }{}%
19728 \@ifundefined{scr@dte@#1@maxnumwidth}{%
19729     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19730     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19731 }{}%
19732 \renewcommand*{\scr@dte@donumwidth}{}%
19733 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19734 \expandafter\renewcommand\expandafter*%
19735 \csname scr@tso@#1@numsep\endcsname{.4em}%
19736 \expandafter\renewcommand%
19737 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%

```



```

19738 \ifstr{#1}{part}{%
19739   \expandafter\renewcommand%
19740   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
19741 }{%
19742   \ifstr{#1}{chapter}{%
19743     \expandafter\renewcommand%
19744     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19745   }{%
19746     \scr@ifundefinedorrelax{1@chapter}{%
19747       \ifstr{#1}{section}{%
19748         \expandafter\renewcommand%
19749         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19750       }{%
19751       }{}%
19752     \expandafter\renewcommand%
19753     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
19754   }%
19755 }%
19756 \expandafter\renewcommand
19757 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
19758 \ifundefined{scr@tso@#1@linefill}{%
19759   \ifstr{#1}{part}{%
19760     \@namedef{scr@tso@#1@linefill}{\hfill}%
19761   }{%
19762     \ifstr{#1}{chapter}{%
19763       \@namedef{scr@tso@#1@linefill}{\hfill}%
19764     }{%
19765       \scr@ifundefinedorrelax{1@chapter}{%
19766         \ifstr{#1}{section}{%
19767           \@namedef{scr@tso@#1@linefill}{\hfill}%
19768         }{}
19769       }{}
19770     \expandafter\renewcommand%
19771     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19772   }%
19773 }%
19774 }{}%
19775 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
19776 \ifstr{#1}{part}{%
19777   \expandafter\renewcommand%
19778   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
19779 }{%
19780   \expandafter\renewcommand%
19781   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19782     {\normalfont\normalcolor ##1}}%
19783 }%
19784 \expandafter\renewcommand%
19785 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
19786   \hb@xt@{\pnumwidth}{\hfil ##1}}%
19787 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%

```



```

19788 }]{%
19789 \scr@dte@tocline{#1}{##1}{##2}%
19790 }
19791

```

122 File tocstyle-xetex-bidi.def

```

19792 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
19793 \renewcommand*{\tocstyle@dottedtocline}[5]{%
19794 \let\numberline\tocstyle@numberline
19795 \ifnum #1>\c@tocdepth \else
19796 \if@tocstyle@penalties
19797 \begingroup
19798 \@tempcnta 20010
19799 \advance \@tempcnta by -#1
19800 \ifnum \@tempcnta>\lastpenalty
19801 \aftergroup\penalty\aftergroup\@lowpenalty
19802 \fi
19803 \endgroup
19804 \fi
19805 \edef\tocstyledepth{#1}%
19806 \tocstyle@activate@features
19807 \ifx\tocstyle@feature@entryvskip\relax
19808 \vskip \z@ \@plus.2\p@
19809 \else
19810 \addvspace{\tocstyle@feature@entryvskip}%
19811 \fi
19812 {%
19813 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
19814 \tocstyle@feature@raggedhook
19815 \@tempdima #3\relax
19816 \@tempdimb #2\relax
19817 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19818 \ifnum #1>\z@\relax
19819 \@tempcnta #1\relax \advance\@tempcnta \m@ne
19820 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19821 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19822 \@tempdimb
19823 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19824 \advance\@tempdimb
19825 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19826 \fi
19827 \fi
19828 \fi
19829 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19830 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
19831 \ifdim \@tempdimb>
19832 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
19833 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19834 @#1\endcsname{\the\@tempdimb}%

```




```

19835     \fi
19836   \else
19837     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19838       @#1\endcsname{\the\@tempdimb}%
19839   \fi
19840   \iftocstyle@autolength
19841     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19842       \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19843       \relax
19844     \fi
19845     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19846       \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19847       \relax
19848     \fi
19849     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19850     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19851   \else
19852     \@tempdimb #2\relax
19853     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19854   \fi
19855   \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
19856     \ifdim \@tempdima>
19857       \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
19858       \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19859         @\endcsname{\the\@tempdima}%
19860     \fi
19861   \else
19862     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19863       @\endcsname{\the\@tempdima}%
19864   \fi
19865   \ifcase\tocstyle@indentstyle\relax\else
19866     \@tempdimb \z@
19867     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19868       \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19869       \relax
19870     \fi
19871     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19872     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19873   \fi
19874   \advance\parindent \@tempdimb\@afterindenttrue
19875   \advance\if@RTL\rightskip\else\leftskip\fi \parindent
19876   \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
19877   \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19878   \ifx\tocstyle@feature@parfillskip\relax\else
19879     \advance\parfillskip \tocstyle@feature@parfillskip\relax
19880   \fi
19881   \interlinepenalty\@M
19882   \leavevmode
19883   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
19884   \null\nobreak

```



```

19885 \iftocstyle@indentnotnumbered\else
19886 \hskip -\if@RTL\rightskip\else\leftskip\fi
19887 \fi
19888 \tocstyle@feature@entryhook
19889 {#4}\nobreak
19890 \ifx\tocstyle@feature@leaders\relax
19891 \leaders\hbox{$\m@th
19892 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
19893 \mkern \@dotsep mu$}\hfill
19894 \else
19895 \tocstyle@feature@leaders
19896 \fi
19897 \nobreak
19898 \ifx\tocstyle@feature@pagenumberbox\relax
19899 \hbxt@{\pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
19900 \else
19901 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
19902 \fi
19903 \par
19904 }%
19905 \if@tocstyle@penalties
19906 \bgroup
19907 \@tempcnta 20009
19908 \advance\@tempcnta by -#1
19909 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
19910 \reserved@a
19911 \fi
19912 \fi}
19913 \renewcommand*{\tocstyle@numberline}[1]{%
19914 \beginngroup
19915 \ifx\tocstyle@feature@spaceafternumber\relax
19916 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
19917 \else
19918 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
19919 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
19920 \fi
19921 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
19922 \ifdim \@tempdima >
19923 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
19924 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19925 @\tocstyledepth\endcsname{\the\@tempdima}%
19926 \fi
19927 \else
19928 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19929 @\tocstyledepth\endcsname{\the\@tempdima}%
19930 \fi
19931 \endgroup
19932 \iftocstyle@indentnotnumbered
19933 \hskip -\if@RTL\rightskip\else\leftskip\fi
19934 \fi

```



```

19935 \ifcase \tocstyle@indentstyle
19936   \hb@xt@{\tempdima{\tocstyle@@numberline{#1}\hfil}}%
19937   \or
19938   \hb@xt@{\tempdima{\tocstyle@@numberline{#1}\hfil}}%
19939   \else
19940     \ifx\tocstyle@feature@spaceafternumber\relax
19941       \hbox{\tocstyle@@numberline{#1}\enskip}%
19942     \else
19943       \hbox{\tocstyle@@numberline{#1}\hskip
19944         \tocstyle@feature@spaceafternumber\relax}%
19945     \fi
19946   \fi
19947 }
19948 \AtBeginDocument{%
19949   \ifcsname l@part\endcsname
19950     \ifcsname l@chapter\endcsname
19951       \setbox\@tempboxa\vbox{\hsize\maxdimen
19952         \l@part{\tocstyle@l@define{part}{-1}}{}}%
19953     \else
19954       \setbox\@tempboxa\vbox{\hsize\maxdimen
19955         \l@part{\tocstyle@l@define{part}{0}}{}}%
19956     \fi
19957   \fi
19958   \ifcsname l@chapter\endcsname
19959     \setbox\@tempboxa\vbox{\hsize\maxdimen
19960       \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
19961   \fi
19962   \ifcsname l@section\endcsname
19963     \setbox\@tempboxa\vbox{\hsize\maxdimen
19964       \l@section{\tocstyle@l@define{section}{1}}{}}%
19965   \fi
19966   \ifcsname l@subsection\endcsname
19967     \setbox\@tempboxa\vbox{\hsize\maxdimen
19968       \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
19969   \fi
19970   \ifcsname l@subsubsection\endcsname
19971     \setbox\@tempboxa\vbox{\hsize\maxdimen
19972       \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
19973   \fi
19974   \ifcsname l@paragraph\endcsname
19975     \setbox\@tempboxa\vbox{\hsize\maxdimen
19976       \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
19977   \fi
19978   \ifcsname l@subparagraph\endcsname
19979     \setbox\@tempboxa\vbox{\hsize\maxdimen
19980       \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
19981   \fi
19982   \ifcsname l@table\endcsname
19983     \setbox\@tempboxa\vbox{\hsize\maxdimen
19984       \l@table{\tocstyle@l@define{table}{1}}{}}%

```



```

19985 \fi
19986 \ifcsname l@figure\endcsname
19987 \setbox\@tempboxa\vbox{\hsize\maxdimen
19988 \l@figure{\tocstyle@l@define{figure}{1}}{}}}%
19989 \fi
19990 \def\@tempa#1#2#3#4#5{%
19991 \ifnum #1>\c@tocdepth \else
19992 \vskip \z@ \@plus.2\p@
19993 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
19994 \parindent #2\relax\@afterindenttrue
19995 \interlinepenalty\@M
19996 \leavevmode
19997 \@tempdima #3\relax
19998 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19999 {\#4}\nobreak
20000 \leaders\hbox{$\m@th
20001 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20002 mu$}\hfill
20003 \nobreak
20004 \hb@xt@\@pnumwidth{{\hfil \normalfont \normalcolor #5}}}%
20005 \par}%
20006 \fi}%
20007 \ifx\@dottedtocline\@tempa\else
20008 \tocstyle@macrochangewarning\@dottedtocline
20009 \fi
20010 \let\tocstyle@saved@dottedtocline\@dottedtocline
20011 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}}%
20012 \ifx\numberline\@tempa\else
20013 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}}%
20014 \ifx\numberline\@tempa\else
20015 \tocstyle@macrochangewarning\numberline
20016 \fi
20017 \fi
20018 \let\tocstyle@saved@numberline\numberline
20019 }
20020 \renewcommand*{\tocstyle@l@define}[2]{%
20021 \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
20022 \edef\@tempa{%
20023 \noexpand\global\noexpand\let
20024 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
20025 \expandafter\noexpand\csname l@#1\endcsname
20026 \noexpand\gdef
20027 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
20028 \noexpand\@dottedtocline{#2}{\the\if@RTL\righskip\else\leftskip\fi}{\the\@tempdima}}}%
20029 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
20030 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
20031 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
20032 }%
20033 }%
20034 \PackageInfo{tocstyle}{prepare \expandafter\string

```



```

20035 \csname l@#1\endcsname\space for redefinition}%
20036 \@tempa
20037 }

```

123 File todonotes-xetex-bidi.def

```

20038 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
20039 \newif\if@bidi@todonotes@textdirection@RTL
20040 \newif\if@bidi@todonotes@figposition@right
20041 \newcommand{\@bidi@todonotes@align}{}%
20042 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
20043 \newcommand{\@bidi@todonotes@textdirection}{}%
20044 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,1}
20045 \ifcase\@bidi@todonotes@tempb\relax
20046 \@bidi@todonotes@textdirection@RTLtrue
20047 \let\@bidi@todonotes@textdirection\RL
20048 \or
20049 \@bidi@todonotes@textdirection@RTLfalse
20050 \let\@bidi@todonotes@textdirection\LR
20051 \fi}
20052 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,1}
20053 \ifcase\@bidi@todonotes@tempb\relax
20054 \@bidi@todonotes@figposition@righttrue
20055 \or
20056 \@bidi@todonotes@figposition@rightfalse
20057 \fi}
20058 \if@todonotes@disabled%
20059 \else % \if@todonotes@disabled
20060 \renewcommand{\@todonotes@drawInlineNote}{%
20061 \if@todonotes@dviStyle%
20062 {\par\noindent\begin{tikzpicture}[remember picture]%
20063 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20064 \if@todonotes@authorgiven%
20065 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20066 \else%
20067 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20068 \fi
20069 {\par\noindent\begin{tikzpicture}[remember picture]%
20070 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20071 \else%
20072 {\par\noindent\begin{tikzpicture}[remember picture]%
20073 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20074 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{}%
20075 \if@todonotes@authorgiven%
20076 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20077 \else%
20078 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20079 \fi};%
20080 \end{tikzpicture}\par}%
20081 \fi}%

```



```

20082 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20083 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20084 \node [coordinate] (inText) {};%
20085 \end{tikzpicture}%
20086 \marginpar[{} Draw note in left margin
20087 \@todonotes@drawMarginNote%
20088 \ifRTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20089 ]{} Draw note in right margin
20090 \@todonotes@drawMarginNote%
20091 \ifRTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20092 }%
20093 }%
20094 \renewcommand{\@todonotes@drawMarginNote}{%
20095 \if@todonotes@dviStyle%
20096 \begin{tikzpicture}[remember picture]%
20097 \draw node[notestyle] {};%
20098 \end{tikzpicture}\\%
20099 \begin{minipage}{\@todonotes@textwidth}%
20100 \if@todonotes@authorgiven%
20101 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20102 \else%
20103 \@todonotes@sizecommand \@todonotes@text%
20104 \fi%
20105 \end{minipage}\\%
20106 \begin{tikzpicture}[remember picture]%
20107 \draw node[notestyle] (inNote) {};%
20108 \end{tikzpicture}%
20109 \else%
20110 \let\originalHbadness\hbadness%
20111 \hbadness 100000%
20112 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20113 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20114 \node(X){\vphantom{X}};%
20115 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
20116 {\@todonotes@text};%
20117 \if@todonotes@authorgiven%
20118 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
20119 {\@todonotes@sizecommand\@todonotes@author};%
20120 \node(Y)[below=of X]{};%
20121 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
20122 {\@todonotes@text};%
20123 \else%
20124 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
20125 {\@todonotes@text};%
20126 \fi%
20127 \end{tikzpicture}%
20128 \hbadness \originalHbadness%
20129 \fi}%
20130 \renewcommand{\missingfigure}[2] [] {}%
20131 \setkeys{todonotes}{#1}%

```



```

20132 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20133 \par
20134 \noindent
20135 \begin{tikzpicture}
20136 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20137     (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20138 \if@bidi@todonotes@figposition@right%
20139 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20140 \fi%
20141 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20142     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20143 \if@bidi@todonotes@figposition@right%
20144 \end{scope}
20145 \begin{scope}[xshift=-3.8cm]
20146 \fi%
20147 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20148 \draw (2, -0.3) node[right, text
20149     width=\@todonotes@currentfigwidth-4.5cm, align=\@bidi@todonotes@align] {#2};
20150 \if@bidi@todonotes@figposition@right%
20151 \end{scope}
20152 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20153 \fi%
20154 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20155 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20156 \if@bidi@todonotes@figposition@right%
20157 \end{scope}
20158 \fi%
20159 \end{tikzpicture}}\hfill
20160}% Ending \missingfigure command
20161 \fi % Ending \@todonotes@ifdisabled
20162 \presetkeys%
20163     {todonotes}%
20164     {align=left,%
20165     textdirection=lefttoright,%
20166     figposition=left}{}%

```

124 File wrapfig-xetex-bidi.def

```

20167 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
20168 \let\WF@@everypar\bidi@n@everypar
20169 \def\WF@putfigmaybe{%
20170 \ifinner
20171     \vskip-\parskip \global\WF@floatfalse
20172     \let\pagetotal\maxdimen % kludge flag for "not top of page"
20173 \else % outer page
20174     \@tempdima\pagedepth % save page depth
20175     {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20176     \penalty\interlinepenalty % update pg. parameters
20177     \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20178     \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%

```



```

20179 \global\WF@floatfalse
20180 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20181 \else
20182 \ifdim\WF@size>\@tempdimb
20183 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20184 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20185 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20186 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20187 \advance\dimen@.5\baselineskip
20188 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20189 \global\WF@floatfalse \pagebreak
20190 \fi
20191 \else % \WF@info{Fits in \the\@tempdimb;}%
20192 \global\WF@floatfalse
20193 \fi\fi
20194 \vskip\@tempdima\relax % (return erased page depth)
20195 \fi
20196 \noindent
20197 \ifWF@float
20198 \WF@fltnes
20199 \else % putting here;
20200 \WF@info{Put \WF@wfname here:}%
20201 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
20202 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20203 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20204 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20205 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20206 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20207 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20208 \xdef\WF@adjlw{\the\@tempdima}%
20209 \ifnum `l=\WF@place % fig on left
20210 \if@RTL%
20211 \kern\@tempdimb \kern\columnsep
20212 \def\@tempa{\hss}% position to left of the gap
20213 \else%
20214 \hss % figure overlaps space to the left
20215 \def\@tempa{\kern\columnsep}% position to left of the gap
20216 \fi%
20217 \else % fig on right
20218 \if@RTL%
20219 \hss
20220 \@tempdima\z@
20221 \def\@tempa{\kern\columnsep}
20222 \else%
20223 \@tempdima\z@ % no left indentation
20224 \kern\@tempdimb \kern\columnsep
20225 \def\@tempa{\hss}% figure overlaps space to the right
20226 \fi%
20227 \fi
20228 \ifdim\@tempdimb<\hsize

```




```

20229 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20230 \xdef\WF@adjtlm{\the\@tempdima}%
20231 \else
20232 \xdef\WF@wrapil{z@ \the\hsize}%
20233 \xdef\WF@adjlw{z@}\xdef\WF@adjtlm{z@}%
20234 \fi
20235 \ifdim\pagetotal=z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20236 \global\advance\WF@size-\intextsep
20237 \else % \WF@info{Putting \WF@wfname in middle of page}%
20238 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20239 \fi \dp\WF@box=z@ \box\WF@box \@tempa
20240 }% end \hbox to Opt
20241 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20242 \fi}

```

125 File xcolor-xetex-bidi.def

```

20243 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeTeX]
20244 \long\def\color@b@x#1#2#3%
20245 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20246 \setboxz@hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20247 \dimen@htz@\advance\dimen@\fbboxsephtz@\dimen@
20248 \dimen@dpz@\advance\dimen@\fbboxsepdpz@\dimen@
20249 \ifdim\htz@>\dpz@{\wdz@}{\htz@}{\dpz@}\boxz@}\ifmmode\else\if@RTL\endL\fi\fi}
20250 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20251 \DeclareRobustCommand\color
20252 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor]}
20253 \def\@undeclaredcolor[#1]#2%
20254 {\begingroup
20255 \let\@cls\@empty
20256 \XC@getmodclr12{#1}{#2}{}%
20257 {\ifblendcolors
20258 \ifx\colorblend\@empty\else
20259 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20260 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
20261 \fi
20262 \fi
20263 \ifconvertcolorsU
20264 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20265 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20266 \fi
20267 \ifmaskcolors
20268 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20269 \let\@mod\XC@mmod
20270 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20271 \expandafter\XC@mul\@tmp,\@clr
20272 \fi
20273 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20274 \expandafter\endgroup\@tmp}}
20275 \def\@declaredcolor#1%

```



```

20276 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20277 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20278 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20279 \ifconvertcolorsU\XC@tsttrue\fi
20280 \fi
20281 \ifXC@tst
20282 \expandafter\XC@declaredcolor\else
20283 \expandafter\XC@declaredcolor\fi}
20284 \def\XC@undeclaredcolor#1#2%
20285 {\@ifundefinedmodel{#1}%
20286 {\c@lor@error{model `#1'}}%
20287 {\@nameuse{color@#1}\current@color{#2}}%
20288 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
20289 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20290 \def\XC@declaredcolor
20291 {\XC@let@Nc\XC@current@color{\string\color@\XC@tmp}%
20292 \edef\current@color{\XC@current@color}%
20293 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20294 \DeclareRobustCommand\bidicolor
20295 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20296 \def\@bidiundeclaredcolor[#1]#2%
20297 {\begingroup
20298 \let\@cls@empty
20299 \XC@getmodclr12{#1}{#2}{}%
20300 {\ifblendcolors
20301 \ifx\colorblend\@empty\else
20302 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20303 \XC@coremodel\@mod\@clr\xcolor@{}{\@mod\@clr
20304 \fi
20305 \fi
20306 \ifconvertcolorsU
20307 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20308 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20309 \fi
20310 \ifmaskcolors
20311 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20312 \let\@mod\XC@mmod
20313 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20314 \expandafter\XC@mul\@tmp,\@clr
20315 \fi
20316 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20317 \expandafter\endgroup\@tmp}}
20318 \def\XC@bidiundeclaredcolor#1#2%
20319 {\@ifundefinedmodel{#1}%
20320 {\c@lor@error{model `#1'}}%
20321 {\@nameuse{color@#1}\current@color{#2}}%
20322 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
20323 \XC@display}}
20324 \def\@bidideclaredcolor#1%
20325 {\XC@edef\XC@tmp{#1}\XC@tstfalse

```



```

20326 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20327 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20328 \ifconvertcolorsU\XC@tsttrue\fi
20329 \fi
20330 \ifXC@tst
20331 \expandafter\XC@bidideclaredcolor\else
20332 \expandafter\XC@bidideclaredcolor\fi}
20333 \def\XC@bidideclaredcolor
20334 {\XC@split\XC@tmp
20335 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
20336 \expandafter\endgroup\@tmp}
20337 \def\XC@bidideclaredcolor
20338 {\XC@let\NC\XC@current@color{\string\color\XC@tmp}%
20339 \edef\current@color{\XC@current@color}%
20340 \XC@display}
20341 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20342 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20343 \def\color@fb@x#1#2#3#4%
20344 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
20345 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20346 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\setcolor\ifhmode

```

126 File latex-xetex-bidi.def

```

20347 \ProvidesFile{latex-xetex-bidi.def}[2018/09/21 v1.3.4 bidi adaptations for `latex.ltx' for Xe
20348 \newcommand{\TeXXeTOn}{\TeXXeTstate@one}
20349 \newcommand{\TeXXeTOff}{\TeXXeTstate@z@}
20350 \TeXXeTOn
20351 \def\bidi@RTL@everypar{\setbox\z@\lastbox\ifRTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20352 \let\bidi@o@everypar=\everypar
20353 \newtoks\bidi@n@everypar
20354 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20355 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20356 \let\everypar=\bidi@n@everypar
20357 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20358 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20359 \protected\def\hboxR{\hbox\bgroup
20360 \everyhbox{%
20361 \aftergroup\egroup
20362 \everyhbox{}}%
20363 \beginR
20364 \@hboxRconstructtrue
20365 \bgroup
20366 \aftergroup\endR
20367 \aftergroup\egroup
20368 }\hbox}
20369 \protected\def\hboxL{\hbox\bgroup
20370 \everyhbox{%
20371 \aftergroup\egroup
20372 \everyhbox{}}%

```



```

20373 \beginL
20374 \@hboxRconstructfalse
20375 \bgroup
20376 \aftergroup\endL
20377 \aftergroup\egroup
20378 }\hbox}
20379 \protected\def\vboxR{\vbox\bgroup
20380 \everyvbox{%
20381 \aftergroup\egroup
20382 \everyvbox{}}%
20383 \@RTLtrue
20384 \@RTLtabtrue
20385 \bgroup
20386 \aftergroup\egroup
20387 }\vbox}
20388 \protected\def\vboxL{\vbox\bgroup
20389 \everyvbox{%
20390 \aftergroup\egroup
20391 \everyvbox{}}%
20392 \@RTLfalse
20393 \@RTLtabfalse
20394 \bgroup
20395 \aftergroup\egroup
20396 }\vbox}
20397 \newcommand*{\bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}
20398 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
20399 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20400 \def\endLTR{\par}
20401 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20402 \def\endRTL{\par}
20403 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
20404 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
20405 \let\unsetRTL=\setLTR
20406 \let\unsetLTR=\setRTL
20407 \let\LR=\LRE
20408 \let\RL=\RLE
20409 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20410 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20411 \let\@ensure@RL=\@ensure@RTL
20412 \let\@ensure@LR=\@ensure@LTR
20413 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20414 \let\@ensure@maindir=\@ensure@dir
20415 \def\@RTL{RTL}
20416 \def\@LTR{LTR}
20417 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20418 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
20419 \let\@TeX\TeX
20420 \def\TeX{\@ensure@LTR{\@TeX}}
20421 \let\@LaTeX\LaTeX
20422 \def\LaTeX{\@ensure@LTR{\@LaTeX}}

```



```

20423 \let\@@LaTeXe\LaTeXe
20424 \def\LaTeXe{\@ensure@LTR{\@@LaTeXe}}
20425 \long\def\bidireflect@box#1{%
20426   \leavevmode
20427   \setbox\z@\hbox{\{#1\}}%
20428   \setbox\@tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20429   \hb@xt@\wd\z@{\kern\wd\z@\box\@tw@\hss}%
20430 }
20431 \bidinewrobustcmd*\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20432   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
20433 \bidinewrobustcmd*\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20434   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
20435 \let\setRL=\setRTL
20436 \let\setLR=\setLTR
20437 \let\unsetRL=\setLTR
20438 \def\biditabular@RTLcases{\let\@halignto\@empty\@biditabular@RTLcases}
20439 \@ifpackageloaded{array}{%
20440 \def\@biditabular@RTLcases{\@RTLtabtrue%
20441   \leavevmode
20442   \hbox \bgroup $\left.\colsep\tabcolsep \let\dollarbegin\begin\group
20443     \let\dollarend\end\group
20444   \@tabarray}
20445 \def\endbiditabular@RTLcases{\endarray \right\rbrace$\egroup}
20446 }{%
20447 \def\@biditabular@RTLcases{\@RTLtabtrue%
20448   \leavevmode \hbox \bgroup
20449   $\left.\let\@acol\@tabacol
20450   \let\@classz\@tabclassz
20451   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20452
20453 \def\endbiditabular@RTLcases{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
20454   \egroup\right\rbrace $\egroup}}
20455 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20456   \ialign{##\hfil$&\quad{##}\hfil\crcr#1\crcr}}\,\right\}}
20457 \renewenvironment{RTLcases}{%
20458   \bidimatrix@checkRTLcases\env@RTLcases
20459 }{%
20460   \endbiditabular@RTLcases%
20461 }
20462 \def\env@RTLcases{%
20463   \let\@ifnextchar\bidinew@ifnextchar
20464   \def\arraystretch{1.2}%
20465   \biditabular@RTLcases{\@{}r@{\quad}r@{}}%
20466 }
20467 \def\SepMark#1{\gdef\@SepMark{#1}}
20468 \SepMark{.}
20469 \def\@thmcountersep{\@SepMark}
20470 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20471 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20472 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}

```



```

20473 \newcommand*{\bidi@thebibliography@font@hook}{}
20474 \def\list#1#2{%
20475   \ifnum \@listdepth >5\relax
20476     \@toodeep
20477   \else
20478     \global\advance\@listdepth\@ne
20479   \fi
20480   \rightmargin\z@
20481   \listparindent\z@
20482   \itemindent\z@
20483   \csname @list\romannumeral\the\@listdepth\endcsname
20484   \def\@itemlabel{#1}%
20485   \let\makelabel\@mklab
20486   \@nmbrrlistfalse
20487   #2\relax
20488   \@trivlist
20489   \parskip\parsep
20490   \parindent\listparindent
20491   \advance\linewidth -\rightmargin
20492   \advance\linewidth -\leftmargin
20493   \if@bidi@list@minipage@parbox
20494     \if@RTL
20495       \advance\@totalleftmargin \leftmargin
20496     \else
20497       \advance\@totalleftmargin \rightmargin
20498     \fi
20499   \else
20500     \if@hboxRconstruct
20501       \if@bidi@list@minipage@parbox@not@nob
20502         \if@RTL
20503           \advance\@totalleftmargin \rightmargin
20504         \else
20505           \advance\@totalleftmargin \leftmargin
20506         \fi
20507       \else
20508         \if@RTL
20509           \advance\@totalleftmargin \leftmargin
20510         \else
20511           \advance\@totalleftmargin \rightmargin
20512         \fi\fi
20513       \else
20514         \if@RTL
20515           \advance\@totalleftmargin \rightmargin
20516         \else
20517           \advance\@totalleftmargin \leftmargin
20518         \fi\fi\fi
20519       \parshape \@ne \@totalleftmargin \linewidth
20520       \ignorespaces}
20521 \long\def\@iiiparbox#1#2[#3]#4#5{%
20522   \leavevmode

```



```

20523 \pboxswfalse
20524 \if@hboxRconstruct
20525 \@bidi@list@minipage@parbox@not@nobtrue
20526 \fi
20527 \if@RTL
20528 \ifx#1t%
20529 \@bidi@list@minipage@parboxtrue
20530 \else
20531 \ifx#1b%
20532 \@bidi@list@minipage@parboxtrue
20533 \fi
20534 \fi
20535 \fi
20536 \setlength\@tempdima{#4}%
20537 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
20538 \ifx\relax#2\else
20539 \setlength\@tempdimb{#2}%
20540 \edef\@parboxto{to\the\@tempdimb}%
20541 \fi
20542 \if#1b\vbox
20543 \else\if #1t\vtop
20544 \else\ifmmode\vcenter
20545 \else\@pboxswtrue $\vcenter
20546 \fi\fi\fi
20547 \@parboxto{\let\hss\vss\let\unhbox\unvbox
20548 \csname bm@#3\endcsname}%
20549 \if@pboxsw \m@th$\fi
20550 \@end@tempboxa}
20551 \newenvironment{LTRitems}
20552 {\par\@RTLfalse\@RTLtabfalse
20553 \if@bidi@list@minipage@parbox
20554 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20555 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20556 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20557 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20558 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
20559 \ignorespaces}{\vskip\z@}
20560 \newenvironment{RTLitems}
20561 {\par\@RTLtrue\@RTLtabtrue
20562 \if@bidi@list@minipage@parbox
20563 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20564 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20565 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20566 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20567 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
20568 \ignorespaces}{\vskip\z@}
20569 \newenvironment{LTRbibitems}
20570 {\par\@RTLfalse\@RTLtabfalse
20571 \if@bidi@list@minipage@parbox
20572 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth

```



```

20573         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20574         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20575         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20576         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\
20577         \ignorespaces}{\vskip\z@}
20578 \newenvironment{RTLbibitems}
20579     {\par\@RTLtrue\@RTLtabtrue
20580     \if@bidi@list@minipage@parbox
20581     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20582     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20583     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20584     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20585     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
20586     \ignorespaces}{\vskip\z@}
20587 \def\raggedright{%
20588     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
20589     \leftskip\z@skip
20590     \parindent\z@\parfillskip\z@skip}
20591 \let\bidi@orig@raggedleft\raggedleft
20592 \let\bidi@orig@raggedright\raggedright
20593 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@hboxRcons
20594 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@hboxRcons
20595 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20596 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20597 \def\centerline#1{%
20598 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20599 \else\@@line{\hss#1\hss}\fi}
20600 \def\leftline#1{%
20601 \if@RTL\@@line{\beginR#1\endR\hss}
20602 \else\@@line{#1\hss}\fi}
20603 \def\rightline#1{%
20604 \if@RTL\@@line{\hss\beginR#1\endR}
20605 \else\@@line{\hss#1}\fi}
20606 \let\bidi@orig@leftline\leftline
20607 \let\bidi@orig@rightline\rightline
20608 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\if
20609 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\
20610 \def\bidirlap#1{\hb@xt@{\z@}{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20611 \def\bidillap#1{\hb@xt@{\z@}{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20612 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20613     \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20614 \def\narrower{%
20615     \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20616     \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20617 \def\underline#1{%
20618     \relax
20619     \ifmmode\@underline{#1}%
20620     \else
20621 \if@RTL $\@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20622 \else

```




```

20623 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20624 \ifcompatibility
20625   \let\undertext=\underline
20626 \fi
20627 \def\@tabular{%
20628   \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20629   $\let\@acol\@tabacol
20630   \let\@classz\@tabclassz
20631   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20632 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20633   \egroup $\if@RTLtab\endR\fi\egroup}
20634 \expandafter \let \csname endtabular*\endcsname = \endtabular
20635 \def\@array[#1]#2{%
20636   \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20637   \bgroup
20638   \setbox\@arstrutbox\hbox{%
20639     \vrule \@height\arraystretch\ht\strutbox
20640     \@depth\arraystretch \dp\strutbox
20641     \@width\z@}%
20642   \mkpream{#2}%
20643   \edef\@preamble{%
20644     \ialign \noexpand\@halignto
20645       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20646   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20647   \let\@tabularnewline\%
20648   \let\par\@empty
20649   \let\@sharp##%
20650   \set@typeset@protect
20651   \lineskip\z@skip\baselineskip\z@skip
20652   \ifhmode \@preamerr\z@ \@@par\fi
20653   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
20654     \@preamble}
20655 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20656   \let\@classiv\@arrayclassiv
20657   \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20658 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20659   \ifnum \@lastchclass=3 5 \else
20660     \z@ \if #1c\@chnum \z@ \else
20661       \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
20662       \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20663       \@chclass \if #1|\@one \else
20664       \if #1@\tw@ \else
20665       \if #1p3 \else \z@ \@preamerr 0\fi
20666   \fi \fi \fi \fi \fi \fi
20667 \fi}
20668 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20669 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20670 \def\bm@t{\unhbox\@tempboxa\hss}
20671 \def\bm@b{\hss\unhbox\@tempboxa}
20672 \def\@dottedtocline#1#2#3#4#5{%

```



```

20673 \ifnum #1>\c@tocdepth \else
20674 \vskip \z@ \@plus.2\p@
20675 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmargin
20676 \parindent #2\relax\@afterindenttrue
20677 \interlinepenalty\@M
20678 \leavevmode
20679 \@tempdima #3\relax
20680 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
20681 {#4}\nobreak
20682 \leaders\hbox{$\m@th
20683 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20684 mu$}\hfill
20685 \nobreak
20686 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20687 \par}%
20688 \fi}
20689
20690 \newcount\ bidi@column@check@number
20691
20692 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
20693
20694 \def\ bidi@set@column@status#1#2{%
20695 \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
20696
20697 \if@twocolumn
20698 \newcommand\DetectColumn[3][1]{%
20699 \ifx\ bidi@firstcolumn@status@write\relax
20700 \PackageError{bidi}%
20701 {Option 'DetectColumn' not selected}%
20702 {\string\DetectColumn\space
20703 requires the use of the 'DetectColumn'
20704 option on the package}%
20705 \fi
20706 \global\advance\ bidi@column@check@number\@ne
20707 \edef\ bidi@column@type{\expandafter\ifx
20708 \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
20709 0\else
20710 \csname bidi@column-\the\ bidi@column@check@number\endcsname
20711 \fi}%
20712 \ifcase \ bidi@column@type\relax
20713 \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
20714 \or
20715 #2% % 1 First column
20716 \or
20717 #3% % 2 Second (Last column)
20718 \else
20719 \ERROR
20720 \fi
20721 \edef\next{\write\@auxout
20722 {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}}%

```



```

20723                                     {\bidi@column@type}}}%
20724 \next
20725 }
20726
20727 \AtEndDocument{\def\bidi@set@column@status#1#2{%
20728     \ifnum #2=\bidi@current@column@status\else
20729         \@tempwattrue
20730         \fi}%
20731 }
20732 \fi
20733
20734 \def\RTL@outputdblcol{%
20735     \if@firstcolumn
20736         \global\@firstcolumnfalse
20737         \global\setbox\@leftcolumn\copy\@outputbox
20738         \splitmaxdepth\maxdimen
20739         \vbadness\maxdimen
20740         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20741         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20742         \toks@\expandafter{\topmark}%
20743         \xdef\@firstcoltopmark{\the\toks@}%
20744         \toks@\expandafter{\splitfirstmark}%
20745         \xdef\@firstcolfirstmark{\the\toks@}%
20746         \ifx\@firstcolfirstmark\@empty
20747             \global\let\@setmarks\relax
20748         \else
20749             \gdef\@setmarks{%
20750                 \let\firstmark\@firstcolfirstmark
20751                 \let\topmark\@firstcoltopmark}%
20752         \fi
20753     \else
20754         \global\@firstcolumntrue
20755         \setbox\@outputbox\vbox{%
20756             \hb@xt@\textwidth{%
20757                 \hskip \columnwidth
20758                 \hfil
20759                 {\normalcolor\vrule \@width\columnseprule}%
20760                 \hfil
20761                 \hb@xt@\columnwidth{%
20762                     \bidi@firstcolumn@status@write%
20763                     \box\@leftcolumn \hss}%
20764                 \hskip -\textwidth
20765                 \hb@xt@\columnwidth{%
20766                     \bidi@lastcolumn@status@write%
20767                     \box\@outputbox \hss}%
20768                 \hskip \columnsep
20769                 \hskip \columnwidth }}%
20770         \@combinedblfloats
20771         \@setmarks
20772         \@outputpage

```



```

20773 \begingroup
20774 \@dblfloatplacement
20775 \@startdblcolumn
20776 \@whiles\if@fcolmade \fi{\@outputpage
20777 \@startdblcolumn}%
20778 \endgroup
20779 \fi}%
20780
20781 \def\LTR@outputdblcol{%
20782 \if@firstcolumn
20783 \global\@firstcolumnfalse
20784 \global\setbox\@leftcolumn\copy\@outputbox
20785 \splitmaxdepth\maxdimen
20786 \vbadness\maxdimen
20787 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20788 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20789 \toks@\expandafter{\topmark}%
20790 \xdef\@firstcoltopmark{\the\toks@}%
20791 \toks@\expandafter{\splitfirstmark}%
20792 \xdef\@firstcolfirstmark{\the\toks@}%
20793 \ifx\@firstcolfirstmark\@empty
20794 \global\let\@setmarks\relax
20795 \else
20796 \gdef\@setmarks{%
20797 \let\firstmark\@firstcolfirstmark
20798 \let\topmark\@firstcoltopmark}%
20799 \fi
20800 \else
20801 \global\@firstcolumntrue
20802 \setbox\@outputbox\vbox{%
20803 \hb@xt@\textwidth{%
20804 \hb@xt@\columnwidth{%
20805 \bidi@firstcolumn@status@write%
20806 \box\@leftcolumn \hss}%
20807 \hfil
20808 {\normalcolor\vrule \@width\columnseprule}%
20809 \hfil
20810 \hb@xt@\columnwidth{%
20811 \bidi@lastcolumn@status@write%
20812 \box\@outputbox \hss}}}%
20813 \@combinedblfloats
20814 \@setmarks
20815 \@outputpage
20816 \begingroup
20817 \@dblfloatplacement
20818 \@startdblcolumn
20819 \@whiles\if@fcolmade \fi{\@outputpage
20820 \@startdblcolumn}%
20821 \endgroup
20822 \fi}%

```



```

20823
20824
20825 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
20826 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
20827 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
20828 \def\LTRmarginpar{%
20829   \ifhmode
20830     \@bsphack
20831     \@floatpenalty -\@Mii
20832   \else
20833     \@floatpenalty-\@Miii
20834   \fi
20835   \ifinner
20836     \@parmoderr
20837     \@floatpenalty\z@
20838   \else
20839     \@next\@currbox\@freelist{}{}%
20840     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20841     {\@floatpenalty\z@
20842       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20843   \fi
20844   \ifnextchar [\@LTRxmpar\@LTRympar}
20845 \long\def\@LTRxmpar[#1]#2{%
20846   \@LTRsavemarbox\@marbox{#1}%
20847   \@LTRsavemarbox\@currbox{#2}%
20848   \@xympar}
20849 \long\def\@LTRympar#1{%
20850   \@LTRsavemarbox\@marbox{#1}%
20851   \global\setbox\@currbox\copy\@marbox
20852   \@xympar}
20853 \long\def \@LTRsavemarbox #1#2{%
20854   \global\setbox #1%
20855     \color@vbox
20856     \vtop{%
20857       \hsize\marginparwidth
20858       \@parboxrestore
20859       \@LTRmarginparreset
20860       #2%
20861       \@minipagefalse
20862       \outer@nobreak
20863     }%
20864   \color@endbox
20865 }
20866 \def \@LTRmarginparreset {%
20867   \reset@font
20868   \normalsize
20869   \@minipagetrue
20870   \everypar{\@minipagefalse\everypar{}\beginL}%
20871 }
20872 \def\RTLmarginpar{%

```



```

20873 \ifhmode
20874   \@bsphack
20875   \@floatpenalty -\@Mii
20876 \else
20877   \@floatpenalty-\@Miii
20878 \fi
20879 \ifinner
20880   \@parmoderr
20881   \@floatpenalty\z@
20882 \else
20883   \@next\@currbox\@freelist{\}%
20884   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20885   {\@floatpenalty\z@
20886    \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20887 \fi
20888 \@ifnextchar [\@RTLxmpar\@RTLympar}
20889 \long\def\@RTLxmpar[#1]#2{%
20890   \@RTLSavemarbox\@marbox{#1}%
20891   \@RTLSavemarbox\@currbox{#2}%
20892   \@xympar}
20893 \long\def\@RTLympar#1{%
20894   \@RTLSavemarbox\@marbox{#1}%
20895   \global\setbox\@currbox\copy\@marbox
20896   \@xympar}
20897 \long\def \@RTLSavemarbox #1#2{%
20898   \global\setbox #1%
20899   \color@vbox
20900   \vtop{%
20901     \hsize\marginparwidth
20902     \@parboxrestore
20903     \@RTLmarginparreset
20904     #2%
20905     \@minipagefalse
20906     \outer@nobreak
20907   }%
20908   \color@endbox
20909 }
20910 \def \@RTLmarginparreset {%
20911   \reset@font
20912   \normalsize
20913   \@minipagetrue
20914   \everypar{\@minipagefalse\everypar{}\beginR}%
20915 }
20916 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
20917   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
20918   \if@twocolumn
20919     \if@firstcolumn \@tempcnta\m@ne \fi
20920   \else
20921     \if@mparswitch
20922       \ifodd\c@page \else\@tempcnta\m@ne \fi

```



```

20923 \fi
20924 \if@reversemargin \@tempcnta -\@tempcnta \fi
20925 \fi
20926 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
20927 \@tempdima\@mparbottom
20928 \advance\@tempdima -\@pageht
20929 \advance\@tempdima\ht\@marbox
20930 \ifdim\@tempdima >\z@
20931 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
20932 \else
20933 \@tempdima\z@
20934 \fi
20935 \global\@mparbottom\@pageht
20936 \global\advance\@mparbottom\@tempdima
20937 \global\advance\@mparbottom\dp\@marbox
20938 \global\advance\@mparbottom\marginparpush
20939 \advance\@tempdima -\ht\@marbox
20940 \global\setbox \@marbox
20941 \vbox {\vskip \@tempdima
20942 \box \@marbox}%
20943 \global \ht\@marbox \z@
20944 \global \dp\@marbox \z@
20945 \kern -\@pagedp
20946 \nointerlineskip
20947 \hb@xt@\columnwidth
20948 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
20949 \hskip\columnwidth \hskip\marginparsep
20950 \else
20951 \hskip -\marginparsep \hskip -\marginparwidth
20952 \fi
20953 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
20954 \nointerlineskip
20955 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
20956 \long\def\@ympar#1{%
20957 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
20958 \global\setbox\@currbox\copy\@marbox
20959 \@xympar}
20960 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
20961 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
20962 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
20963 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
20964 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
20965 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
20966 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
20967 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
20968 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
20969 \fi}
20970
20971 \newcommand*{\@bidi@font@outputpage}{\@
20972

```



```

20973 \def\@outputpage{%
20974 \begingroup          % the \endgroup is put in by \aftergroup
20975 \let \protect \noexpand
20976 \@resetactivechars
20977 \global\let\@if@newlist\if@newlist
20978 \global\@newlistfalse
20979 \@parboxrestore
20980 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
20981 \bidi@beforeoutputpageshipouthook
20982 \shipout \vbox{%
20983   \set@typeset@protect
20984   \aftergroup \endgroup
20985   \aftergroup \set@typeset@protect
20986                                     % correct? or just restore by ending
20987                                     % the group?
20988 \if@specialpage
20989   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
20990 \fi
20991 \if@twoside
20992   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
20993   \if@RTLmain
20994     \let\@themargin\evensidemargin
20995   \else
20996     \let\@themargin\oddsidemargin
20997   \fi
20998 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
20999   \if@RTLmain
21000     \let\@themargin\oddsidemargin
21001   \else
21002     \let\@themargin\evensidemargin
21003   \fi
21004 \fi
21005 \ifx\@thehead\@empty \let\@thehead\hfil \fi
21006 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
21007 \else %% not @twoside
21008 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
21009 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
21010 \fi
21011 \reset@font
21012 \normalsize
21013 \bidi@font@@outputpage
21014 \normalsfcodes
21015 \let\label\@gobble
21016 \let\index\@gobble
21017 \let\glossary\@gobble
21018 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21019 \@beginndvi
21020 \vskip \topmargin
21021 \moveright\@themargin \vbox {%
21022   \global\let\@bidi@BeforeHeader\@firstofone

```




```

21023 \bidi@beforeheaderhook
21024 \setbox\@tempboxa \vbox to\headheight{%
21025 \vfil
21026 \color@hbox
21027 \normalcolor
21028 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
21029 \color@endbox
21030 }% %% 22 Feb 87
21031 \dp\@tempboxa \z@
21032 \box\@tempboxa
21033 \vskip \headsep
21034 \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
21035 \bidi@beforeoutputboxoutputpagehook
21036 \box\@outputbox
21037 \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
21038 \bidi@afteroutputboxoutputpagehook
21039 \ifvoid\@bidi@copyins@
21040 \else
21041 \vskip\skip\@bidi@copyins@
21042 \unvbox\@bidi@copyins@
21043 \fi
21044 \global\let\bidi@BeforeFooter\@firstofone
21045 \bidi@beforefooterhook
21046 \baselineskip \footskip
21047 \color@hbox
21048 \normalcolor
21049 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
21050 \color@endbox
21051 \global\let\bidi@AfterFooter\@firstofone
21052 \bidi@afterfooterhook
21053 }%
21054 }%
21055 \global\let\bidi@AfterOutputPageShipOut\@firstofone
21056 \bidi@afteroutputpageshipouthook
21057 \global\let\if@newlist\@if@newlist
21058 \global \colht \textheight
21059 \stepcounter{page}%
21060 \let\firstmark\botmark
21061 \global\let\bidi@AtEndOutputPage\@firstofone
21062 \bidi@atendoutputpagehook
21063 }
21064 \long\def\@makecaption#1#2{%
21065 \vskip\abovecaptionskip
21066 \sbox\@tempboxa{#1: #2}%
21067 \ifdim \wd\@tempboxa >\hsize
21068 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21069 \else
21070 \global \@minipagefalse
21071 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
21072 \fi

```



```

21073 \vskip\belowcaptionskip}
21074 \let\bidisaved@eqno=\eqno
21075 \let\bidisaved@leqno=\leqno
21076 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
21077 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
21078 \@ifpackageloaded{amsmath}{%{
21079 \def\eqnnum{\normalfont \normalcolor \ifRTL\beginR\fi(\theequation)\ifRTL\endR\fi}}
21080 }
21081 \input{footnote-xetex-bidi.def}
21082 \if@twocolumn
21083 \let\autofooterule\relax
21084 \let\leftfootnoterule\relax
21085 \let\rightfootnoterule\relax
21086 \textwidthfootnoterule
21087 \fi
21088 \if@bidi@cundef{@idxitem}{%{
21089 \renewcommand\@idxitem{\par\hangindent \ifRTL-\fi40\p}%
21090 }
21091 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{
21092 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{
21093 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{
21094 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{
21095 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{
21096 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{
21097 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{
21098 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{
21099 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{
21100 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{
21101 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{
21102 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{
21103 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{
21104 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{
21105 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{
21106 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{
21107 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{
21108 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{
21109 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{
21110 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{
21111 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{
21112 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{
21113 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{
21114 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{
21115 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{
21116 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{
21117 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{
21118 \@ifpackageloaded{amsmath}{%{
21119 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{
21120 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{
21121 }
21122 \@ifpackageloaded{mathtools}{%{

```



```

21123 \RequirePackage{graphicx}%
21124 \input{mathtools-xetex-bidi.def}%
21125 {}
21126 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21127 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21128 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
21129 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21130 \@ifpackagewith{algorithm2e}{algonl}{%
21131 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}{}
21132 }{}
21133 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21134 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
21135 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
21136 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21137 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21138 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21139 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
21140 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
21141 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
21142 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
21143 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21144 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
21145 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
21146 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21147 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
21148 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
21149 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21150 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}{}
21151 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21152 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21153 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21154 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
21155 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21156 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
21157 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21158 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21159 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21160 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21161 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
21162 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21163 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21164 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21165 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21166 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21167 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21168 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21169 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21170 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21171 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21172 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}

```



```

21173 \ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
21174 \ifpackageloaded{pdffbase}{\input{pdffbase-xetex-bidi.def}}{}
21175 \ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21176 \ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21177 \ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21178 \ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
21179 \ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21180 \iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21181 \iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21182 \ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21183 \ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21184 \ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21185 \ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21186 \ifpackagewith{sidecap}{innercaption}{%
21187 \ifRTL \renewcommand*{\SC@FLOAT}[2]{%
21188 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
21189 \renewcommand*{\SC@justify@caption}{%
21190 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21191 \renewcommand*{\SC@FLOAT}[2]{%
21192 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
21193 \renewcommand*{\SC@justify@caption}{%
21194 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21195 }{}
21196 \ifpackagewith{sidecap}{rightcaption}{%
21197 \ifRTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21198 \def\SC@justify@caption{\RaggedLeft}\else%
21199 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21200 \def\SC@justify@caption{\RaggedRight}\fi%
21201 }{}
21202 \ifpackagewith{sidecap}{leftcaption}{%
21203 \ifRTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21204 \def\SC@justify@caption{\RaggedRight}\else%
21205 \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21206 \def\SC@justify@caption{\RaggedLeft}\fi%
21207 }{}
21208 \ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21209 \ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21210 \ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21211 \ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21212 \ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21213 \ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21214 \ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
21215 \ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
21216 \ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
21217 \ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
21218 \ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
21219 \ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
21220 \ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
21221 \ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21222 \ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}

```



```

21223 \ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
21224 \ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
21225 \ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
21226 \ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
21227 \ifpackageloaded{tocbibind}{\ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
21228 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
21229 \ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21230 \ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

127 File xltextra-xetex-bidi.def

```

21231 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
21232 \let\@XeTeX\XeTeX
21233 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21234 \let\@XeLaTeX\XeLaTeX
21235 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

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