



The *bidi* Package

Source documentation for version 32.3

to my Master, Ferdowsi The Great

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<https://github.com/tex-xet/bidi/issues>

In doing so, please always explain your issue well enough, always include a minimal working example showing the issue, and always choose the appropriate label for your query (i.e. if you are reporting any bugs, choose 'Bug' label).

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The *bid* Package

Bidirectional typesetting in plain T_EX and L^AT_EX, using XeT_EX engine

Source documentation for [version 32.3](#)

Vafa Khalighi
persian-tex@tug.org

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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 column 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}[2015/02/01 v0.1 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
171 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}
172 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
173 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}%
174 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
175 \renewcommand{\@algocf@start}{%
176   \@algoskip%
177   \begin{bidi@lrbox}{\algocf@algobox}%
178   \setlength{\algowidth}{\hsize}%
179   \vbox\bgroup% save all the algo in a box
180   \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
181   \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
182   % initialization
183   \addtolength{\hsize}{-1.5\algomargin}%
184   \let\@mathsemicolon=\;\def\;\{\ifmmode\@mathsemicolon\else\@endalgoln\fi}%
185   \raggedright\AlFnt{}%
186   \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
187   \@algoinsideskip%
188   % \let\@mathdisplay=\]\def\]\{\algocf@endline\@mathdisplay\nl}%
189 }%
190 \renewcommand{\@algocf@finish}{%
191   \@algoinsideskip%
192   \egroup%end of vtop which contain all the text

```




```

193 \hfill\egroup%end of hbox wich contains [margin][vtop]
194 \ifthenelse{\boolean{algocf@slide}}{\DecMargin{\skipalgocfslide}}{}%
195 %
196 \egroup%end of main vbox
197 \end{bidi@lrbox}%
198 \algocf@makethealgo% print the algo
199 \@algoskip%
200 % restore dimension and macros
201 \setlength{\hspace}{\algowidth}%
202 \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
203 \let\;=\@mathsemicolon%
204 \let\]=\@mathdisplay%
205 }%

```

4 File amsbook-xetex-bidi.def

```

206 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for Xe
207 \def\tocline#1#2#3#4#5#6#7{\relax
208 \ifnum #1>\c@tocdepth % then omit
209 \else
210 \par \addpenalty\@secpenalty\addvspace{#2}%
211 \begingroup \hyphenpenalty\@M
212 \@ifempty{#4}{%
213 \@tempdima\csname r@tocindent\@number#1\endcsname\relax
214 }{%
215 \@tempdima#4\relax
216 }%
217 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip
218 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
219 #5\leavevmode\hspace-\@tempdima #6\nobreak\relax
220 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
221 \nobreak
222 \endgroup
223 \fi}
224 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
225 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
226 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
227 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
228 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
229 \columnseprule\z@ \columnsep 35\p@
230 \@indextitlestyle
231 \thispagestyle{plain}%
232 \let\item\@idxitem
233 \parindent\z@ \parskip\z@\@plus.3\p@\relax
234 \if@RTL\raggedleft\else\raggedright\fi
235 \hyphenpenalty\@M
236 \footnotesize}
237 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
238 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
239 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}

```



```

240 \def\right@footnoterule{%
241   \kern-.4\p@
242   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
243   \kern11\p@\kern-\footnotesep}
244 \def\left@footnoterule{\kern-.4\p@
245   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
246
247 \long\def\@footnotetext#1{%
248   \insert\footins{%
249     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
250     \reset@font%
251     \bidi@@footnotetext@font% \normalfont\footnotesize
252     \interlinepenalty\interfootnotelinepenalty
253     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
254     \floatingpenalty\@MM \hsize\columnwidth
255     \@parboxrestore \parindent\normalparindent \sloppy
256     \protected@edef\@currentlabel{%
257       \csname p@footnote\endcsname\@thefnmark}%
258     \@makefnintext{%
259       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
260
261 \long\def\@RTLfootnotetext#1{%
262   \insert\footins{%
263     \@RTLtrue%
264     \reset@font%
265     \bidi@RTL@footnotetext@font% \normalfont\footnotesize
266     \interlinepenalty\interfootnotelinepenalty
267     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
268     \floatingpenalty\@MM \hsize\columnwidth
269     \@parboxrestore \parindent\normalparindent \sloppy
270     \protected@edef\@currentlabel{%
271       \csname p@footnote\endcsname\@thefnmark}%
272     \@makefnintext{%
273       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
274
275
276 \long\def\@LTRfootnotetext#1{%
277   \insert\footins{%
278     \@RTLfalse%
279     \reset@font%
280     \bidi@LTR@footnotetext@font% \normalfont\footnotesize
281     \interlinepenalty\interfootnotelinepenalty
282     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
283     \floatingpenalty\@MM \hsize\columnwidth
284     \@parboxrestore \parindent\normalparindent \sloppy
285     \protected@edef\@currentlabel{%
286       \csname p@footnote\endcsname\@thefnmark}%
287     \@makefnintext{%
288       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
289

```



```

290
291
292 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
293 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
294 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
295
296 \renewenvironment{thebibliography}[1]{%
297   \@bibtitlestyle
298   \normalfont\bibliofont\labelsep .5em\relax
299   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
300   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
301   \bidi@@thebibliography@font@hook%
302   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
303     \leftmargin\labelwidth \advance\leftmargin\labelsep
304     \usecounter{enumiv}}%
305   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
306   \sfcode`\.=\@m
307 }{%
308   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
309   \endlist
310 }
311 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
312   \begingroup
313   \fontsize{\@xivpt}{18}\bfseries\centering
314   \ifnum\c@secnumdepth>\m@ne
315     \leavevmode \hskip-\if@RTL\rightskip\else\leftskip\fi
316     \rlap{\vbox to\z@{\vss
317       \centerline{\normalsize\mdseries
318         \uppercase\@xp{\chaptername}\enspace\thechapter}
319       \vskip 3pc}}\hskip\if@RTL\rightskip\else\leftskip\fi\fi
320   #1\par \endgroup
321   \skip@34p@ \advance\skip@-\normalbaselineskip
322   \vskip\skip@ }
323 \def\maketitle{\par
324   \@topnum\z@ % this prevents figures from falling at the top of page 1
325   \begingroup
326   \@maketitle
327   \endgroup
328   \c@footnote\z@
329   \def\do##1{\let##1\relax}%
330   \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
331   \do\author \do\@xauthor \do\address \do\@xaddress
332   \do\email \do\@xemail \do\curraddr \do\@xcurraddr
333   \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
334   \do\keywords \do\@keywords \do\subjclass \do\@subjclass
335 }

```

5 File amsmath-xetex-bidi.def

```

336 \ProvidesFile{amsmath-xetex-bidi.def}[2018/01/08 v1.1 bidi adaptations for amsmath package for

```



```

337 \let\veqno=\eqno
338 \iftagsleft@ \let\veqno=\leqno \fi
339 \renewcommand{\numberwithin}[3][\arabic]{%
340   \ifundefined{c@#2}{\nocounterr{#2}}{%
341     \ifundefined{c@#3}{\nocnterr{#3}}{%
342       \@addtoreset{#2}{#3}%
343       \exp\xdef\csname the#2\endcsname{%
344         \exp\xdef\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
345     }
346 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@ignorespaces#1\unskip\@italiccor

```

6 File amstext-xetex-bidi.def

```

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

```

7 File amsthm-xetex-bidi.def

```

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

```

8 File array-xetex-bidi.def

```

354 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for Xe
355 \def\@testpach{\@chclass
356   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
357   \ifnum \@lastchclass=7 5 \else
358   \ifnum \@lastchclass=8 \tw@ \else
359   \ifnum \@lastchclass=9 \thr@@
360   \else \z@
361   \ifnum \@lastchclass = 10 \else
362   \edef\@nextchar{\expandafter\string\@nextchar}%
363   \@chnum
364   \if \@nextchar c\z@ \else
365   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
366   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
367   \z@ \@chclass
368   \if \@nextchar |\@ne \else
369   \if \@nextchar !6 \else
370   \if \@nextchar @7 \else
371   \if \@nextchar <8 \else
372   \if \@nextchar >9 \else
373   10
374   \@chnum
375   \if \@nextchar m\thr@@\else
376   \if \@nextchar p4 \else
377   \if \@nextchar b5 \else

```



```

378 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
379 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
380 \def\@tabular{%
381 \leavevmode
382 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
383 \let\d@llarend\endR
384 \@tabarray}
385 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
386 \expandafter\let\csname endtabular*\endcsname=\endtabular
387 \def\@array[#1]#2{%
388 \@tempdima \ht \strutbox
389 \advance \@tempdima by\extrarowheight
390 \setbox \@arstrutbox \hbox{\vrule
391 \@height \arraystretch \@tempdima
392 \@depth \arraystretch \dp \strutbox
393 \@width \z@}%
394 \beginR
395 \@mkpream{#2}%
396 \xdef\@preamble{\noexpand \ialign \@halignto
397 \bgroup \@arstrut \@preamble
398 \tabskip \z@ \cr}%
399 \endR
400 \@arrayleft
401 \if #1t\top \else \if#1b\bottom \else \vcenter \fi \fi
402 \bgroup
403 \let \@sharp ##\let \protect \relax
404 \lineskip \z@
405 \baselineskip \z@
406 \m@th
407 \let\\ \@arraycr \let\tabularnewline\\ \let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRcor
408 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
409 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
410 \def\array{\col@sep\arraycolsep
411 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
412 \@RTLtabfalse\@tabarray}

```

9 File article-xetex-bidi.def

```

413 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article c
414 \if@titlepage
415 \renewcommand\maketitle{\begin{titlepage}%
416 \let\footnotesize\small
417 \let\right@footnoterule\relax
418 \let\left@footnoterule\relax
419 \let\textwidth\footnoterule\relax
420 \let \footnote \thanks
421 \let \LTRfootnote \LTRthanks
422 \let \RTLfootnote \RTLthanks
423 \null\vfil
424 \vskip 60\p@

```



```

425 \begin{center}%
426   {\LARGE \@title \par}%
427   \vskip 3em%
428   {\large
429     \lineskip .75em%
430     \begin{tabular}[t]{c}%
431       \@author
432     \end{tabular}\par}%
433   \vskip 1.5em%
434   {\large \@date \par}%           % Set date in \large size.
435 \end{center}\par
436 \@thanks
437 \vfil\null
438 \end{titlepage}%
439 \setcounter{footnote}{0}%
440 \global\let\thanks\relax
441 \global\let\LTRthanks\relax
442 \global\let\RTLthanks\relax
443 \global\let\maketitle\relax
444 \global\let\@thanks\@empty
445 \global\let\@author\@empty
446 \global\let\@date\@empty
447 \global\let\@title\@empty
448 \global\let\title\relax
449 \global\let\author\relax
450 \global\let\date\relax
451 \global\let\and\relax
452 }
453 \else
454 \renewcommand\maketitle{\par
455   \begingroup
456     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
457     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
458     \long\def\@makefntext##1{\parindent 1em\noindent
459       \hb@xt@1.8em{%
460         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
461     \if@twocolumn
462       \ifnum \col@number=\@ne
463         \@maketitle
464       \else
465         \twocolumn[\@maketitle]%
466       \fi
467     \else
468       \newpage
469       \global\@topnum\z@   % Prevents figures from going at top of page.
470       \@maketitle
471     \fi
472     \thispagestyle{plain}\@thanks
473   \endgroup
474   \setcounter{footnote}{0}%

```



```

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

```



```

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

```




```

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

```

10 File artikel1-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

722     {\def\@noitemerr
723      {\@latex@warning{Empty `thebibliography' environment}}}%
724     \endlist}
725 \renewcommand*\left@footnoterule{%
726   \kern-3\p@
727   \kern.5\baselineskip
728   \hrule\@width\unitindent
729   \kern.4\baselineskip
730 }
731 \renewcommand*\right@footnoterule{%
732   \kern-3\p@
733   \kern.5\baselineskip
734   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
735   \kern.4\baselineskip}
736 \if@titlepage
737 \renewcommand*\TitleFont{\rmfamily}
738 \renewcommand*\maketitle{%
739   \begin{titlepage}%
740     \let\footnotesize\small
741     \let\right@footnoterule\relax
742     \let\left@footnoterule\relax
743     \let\textwidth@footnoterule\relax
744     \let \footnote \thanks
745     \long\def\@makefnctext##1{\parindent\z@
746       \def\labelitemi{\textendash}\@revlabeltrue
747       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
748     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
749     \if@compatibility\setcounter{page}{0}\fi
750     \null\vfil
751     \vskip 60\p@
752     \begin{center}%
753       \TitleFont
754       {\LARGE \def\\{\penalty -\@M}
755         \if@allcaps
756           \expandafter\uc@nothanks\@title\thanks\relax
757         \else
758           \@title
759         \fi\par}%
760     \vskip 3em%
761     {\large
762       \lineskip .75em \parindent\z@
763       \begin{tabular}[t]{c}%
764         \if@allcaps
765           \expandafter\uc@authornothanks\@author\and\relax
766         \else
767           \@author
768         \fi
769       \end{tabular}\par}%
770     \vskip 1.5em%
771     {\large

```



```

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

```



```

822 \fi
823 \thispagestyle{plain}\@thanks
824 \endgroup
825 \setcounter{footnote}{0}%
826 \global\let\thanks\relax
827 \global\let\maketitle\relax
828 \global\let\@maketitle\relax
829 \global\let\@thanks\@empty
830 \global\let\@author\@empty
831 \global\let\@title\@empty
832 \global\let\@date\@empty
833 \global\let\title\relax
834 \global\let\author\relax
835 \global\let\date\relax
836 \global\let\and\relax
837 }
838 \def\@maketitle{%
839 \newpage
840 \null
841 \vskip 2em%
842 \begin{center}%
843 \let \footnote \thanks
844 {\LARGE \TitleFont \@title \par}%
845 \vskip 1.5em%
846 {\large \TitleFont
847 \lineskip .5em%
848 \begin{tabular}[t]{c}%
849 \@author
850 \end{tabular}\par}%
851 \vskip 1em%
852 {\large \TitleFont \@date}%
853 \end{center}%
854 \par
855 \vskip 1.5em}
856 \fi

```

11 File artikel2-xetex-bidi.def

```

857 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class for
858 \renewenvironment{theindex}{%
859 \if@twocolumn
860 \@restonecolfalse
861 \else
862 \@restonecoltrue
863 \fi
864 \columnseprule \z@
865 \columnsep 35\p@
866 \twocolumn[\section*{\indexname}]%
867 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
868 \thispagestyle{plain}\parindent\z@

```



```

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

```



```

919 \everypar{\global\@nobreakfalse\everypar{}}%
920 \fi
921 \endgroup
922 \fi}
923 \else
924 \renewcommand*\l@part{%
925 \ifnum \c@tocdepth >-2\relax
926 \addpenalty\@secpenalty
927 \addvspace{2.25em \@plus \p@}%
928 \@regtocline{0}%
929 \fi}
930 \fi
931 \renewcommand*\head@style{%
932 \interlinepenalty \@M
933 \hyphenpenalty=\@M \exhyphenpenalty=\@M
934 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
935 \if@titlepage
936 \renewenvironment{abstract}{%
937 \titlepage
938 \null\vfil
939 \section*{\SectFont\abstractname}%
940 \noindent\ignorespaces}
941 {\par\vfil\null\endtitlepage}
942 \else
943 \renewenvironment{abstract}{%
944 \if@twocolumn
945 \section*{\abstractname}%
946 \else
947 \section*{\hskip\unitindent\small\SectFont\abstractname}%
948 \list{}{\setlength\listparindent{\unitindent}%
949 \setlength\parindent {\z@}%
950 \setlength\leftmargin {\unitindent}%
951 \setlength\rightmargin {\unitindent}%
952 \setlength\parsep {\z@}}%
953 \item[]%
954 \fi}
955 {\if@twocolumn\else\par\endlist\fi}
956 \fi
957 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
958 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
959 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
960 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
961 \renewcommand*\left@footnoterule{%
962 \kern-3\p@
963 \hrule\@width 3\unitindent
964 \kern 2.6\p@
965 }
966 \renewcommand*\right@footnoterule{%
967 \kern-3\p@
968 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }

```




```

969 \kern 2.6\p@}
970 \renewenvironment{thebibliography}[1]
971   {\section*{\refname}%
972    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
973    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
974    \bidi@thebibliography@font@hook%
975    \list{\@biblabel{\@arabic\c@enumiv}}%
976      {\settowidth\labelwidth{\@biblabel{#1}}%
977       \leftmargin\labelwidth
978       \advance\leftmargin\labelsep
979       \@openbib@code
980       \usecounter{enumiv}%
981       \let\p@enumiv\@empty
982       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
983    \sloppy\clubpenalty4000\widowpenalty4000%
984    \sfcode`\.\@m}
985  {\def\@noitemerr
986   {\@latex@warning{Empty `thebibliography' environment}}%
987   \endlist}
988 \if@titlepage
989 \renewcommand*\TitleFont{\rmfamily}
990 \renewcommand*\maketitle{%
991   \begin{titlepage}%
992     \let\footnotesize\small
993     \let\right@footnoterule\relax
994     \let\left@footnoterule\relax
995     \let\textwidth@footnoterule\relax
996     \let \footnote \thanks
997     \long\def\@makefnmark##1{\parindent\z@
998       \def\labelitemi{\textendash}\@revlabeltrue
999       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1000    \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1001    \if@compatibility\setcounter{page}{0}\fi
1002    \null\vfil
1003    \vskip 60\p@
1004    \begin{center}%
1005      \TitleFont
1006      {\LARGE \def\\{\penalty -\@M}
1007       \if@allcaps
1008         \expandafter\uc@nothanks\@title\thanks\relax
1009       \else
1010         \@title
1011       \fi\par}%
1012    \vskip 3em%
1013    {\large
1014     \lineskip .75em \parindent\z@
1015     \begin{tabular}[t]{c}%
1016       \if@allcaps
1017         \expandafter\uc@authornothanks\@author\and\relax
1018       \else

```



```

1019         \@author
1020         \fi
1021     \end{tabular}\par}%
1022     \vskip 1.5em%
1023     {\large
1024     \if@allcaps
1025         \uppercase\expandafter{\@date}%
1026     \else
1027         \@date
1028     \fi\par}%
1029     \end{center}\par
1030     \@thanks
1031     \vfil\null
1032 \end{titlepage}%
1033 \setcounter{footnote}{0}%
1034 \global\let\thanks\relax
1035 \global\let\maketitle\relax
1036 \global\let\@thanks\@empty
1037 \global\let\@author\@empty
1038 \global\let\@title\@empty
1039 \global\let\@date\@empty
1040 \global\let\title\relax
1041 \global\let\author\relax
1042 \global\let\date\relax
1043 \global\let\and\relax
1044 }
1045 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1046 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1047     \futurelet\@tempa\uc@ax}
1048 \def\uc@ax{%
1049     \ifx\@tempa\relax
1050     \else
1051         \\\ \andname \\\ \expandafter\uc@authornothanks
1052     \fi}
1053 \def\uc@tx{\ifx\@tempa\relax
1054     \else \expandafter\uc@ty \fi}
1055 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1056 \else
1057 \renewcommand*\maketitle{\par
1058     \begin{group}
1059         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1060         \long\def\@makefnmark##1{\parindent\z@
1061             \def\labelitemi{\textendash}%
1062             \leavevmode\hb@xt@.5\unitindent{%
1063                 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1064         \if@twocolumn
1065             \ifnum \col@number=\@ne
1066                 \@maketitle
1067             \else
1068                 \twocolumn[\@maketitle]%

```



```

1069     \fi
1070   \else
1071     \newpage
1072     \global\@topnum\z@
1073     \@maketitle
1074   \fi
1075   \thispagestyle{plain}\@thanks
1076 \endgroup
1077 \setcounter{footnote}{0}%
1078 \global\let\thanks\relax
1079 \global\let\maketitle\relax
1080 \global\let\@maketitle\relax
1081 \global\let\@thanks\@empty
1082 \global\let\@author\@empty
1083 \global\let\@title\@empty
1084 \global\let\@date\@empty
1085 \global\let\title\relax
1086 \global\let\author\relax
1087 \global\let\date\relax
1088 \global\let\and\relax
1089 }
1090 \def\@maketitle{%
1091   \newpage
1092   \null
1093   \vskip 2em%
1094   \begin{center}%
1095     \let \footnote \thanks
1096     {\LARGE \TitleFont \@title \par}%
1097     \vskip 1.5em%
1098     {\large \TitleFont
1099       \lineskip .5em%
1100       \begin{tabular}[t]{c}%
1101         \@author
1102       \end{tabular}\par}%
1103     \vskip 1em%
1104     {\large \TitleFont \@date}%
1105   \end{center}%
1106   \par
1107   \vskip 1.5em}
1108 \fi

```

12 File artikel3-xetex-bidi.def

```

1109 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class for
1110 \renewenvironment{theindex}{%
1111   \if@twocolumn
1112     \@restonecolfalse
1113   \else
1114     \@restonecoltrue
1115   \fi

```



```

1116 \columnseprule \z@
1117 \columnsep 35\p@
1118 \twocolumn[\section*{\indexname}]%
1119 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1120 \thispagestyle{plain}\parindent\z@
1121 \parskip\z@ \@plus .3\p@\relax
1122 \let\item\@idxitem
1123 }{%
1124 \if@restonecol\onecolumn\else\clearpage\fi}
1125 \renewcommand*{\headstyle}{%
1126 \interlinepenalty \@M
1127 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1128 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1129 \renewcommand*{\@regtocline[3]}{%
1130 \ifnum #1>\c@tocdepth
1131 \else
1132 \vskip\z@ \@plus.2\p@
1133 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
1134 \if@RTL\rightskip\else\leftskip\fi\unitindent
1135 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1136 \parfillskip\z@
1137 \@tempdima\unitindent
1138 \parindent\z@
1139 \leavevmode
1140 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1141 \hskip 1em \nobreak{\slshape #3}\par
1142 }%
1143 \fi}
1144 \if@oldtoc
1145 \renewcommand*{\l@part[2]}{%
1146 \ifnum \c@tocdepth >-2\relax
1147 \addpenalty\@secpenalty
1148 \addvspace{2.25em \@plus\p@}%
1149 \begingroup
1150 \setlength{\@tempdima}{3em}%
1151 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1152 \parfillskip -\@pnumwidth
1153 {\leavevmode
1154 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1155 \nobreak
1156 \if@compatibility
1157 \global\@nobreaktrue
1158 \everypar{\global\@nobreakfalse\everypar{}}%
1159 \fi
1160 \endgroup
1161 \fi}
1162 \else
1163 \renewcommand*{\l@part}{%
1164 \ifnum \c@tocdepth >-2\relax
1165 \addpenalty\@secpenalty

```



```

1166     \addvspace{2.25em \@plus \p@}%
1167     \regtocline{0}%
1168   \fi}
1169 \fi
1170
1171 \if@oldtoc
1172 \renewcommand*\l@section[2]{%
1173   \addpenalty\secpenalty
1174   \addvspace{1.0em \@plus \p@}%
1175   \setlength\tempdima{1.5em}%
1176   \begingroup
1177   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1178   \parfillskip -\@pnumwidth
1179   \leavevmode \bfseries
1180   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1181   \hskip -\if@RTL\rightskip\else\leftskip\fi
1182   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1183   \endgroup}
1184 \else
1185   \renewcommand*\l@section{\@regtocline{1}}
1186 \fi
1187 \if@titlepage
1188   \renewenvironment{abstract}{%
1189     \titlepage
1190     \null\vfil
1191     \section*{\SectFont\abstractname}%
1192     \noindent\ignorespaces}
1193     {\par\vfil\null\endtitlepage}
1194 \else
1195   \renewenvironment{abstract}{%
1196     \if@twocolumn
1197       \section*{\abstractname}%
1198     \else
1199       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1200       \section*{\small\SectFont\abstractname}%
1201       \noindent\ignorespaces
1202     \fi}
1203     {\if@twocolumn\else\par\egroup\fi}
1204 \fi
1205 \renewcommand*\left@footnoterule{%
1206   \kern-3\p@
1207   \kern.5\baselineskip
1208   \hrule\@width\unitindent
1209   \kern.4\baselineskip
1210 }
1211 \renewcommand*\right@footnoterule{%
1212   \kern-3\p@
1213   \kern.5\baselineskip
1214   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1215   \kern.4\baselineskip}

```



```

1216 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1217 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1218 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1219 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1220 \renewenvironment{thebibliography}[1]
1221     {\section*{\refname}%
1222      \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1223      \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1224      \bidi@thebibliography@font@hook%
1225      \list{\@biblabel{\@arabic\c@enumiv}}%
1226          {\settowidth\labelwidth{\@biblabel{#1}}%
1227           \leftmargin\labelwidth
1228           \advance\leftmargin\labelsep
1229           \@openbib@code
1230           \usecounter{enumiv}%
1231           \let\p@enumiv\@empty
1232           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1233      \sloppy\clubpenalty4000\widowpenalty4000%
1234      \sfcode`..\@m}
1235      {\def\@noitemerr
1236       {\@latex@warning{Empty `thebibliography' environment}}%
1237       \endlist}
1238 \if@titlepage
1239 \renewcommand*\TitleFont{\rmfamily}
1240 \renewcommand*\maketitle{%
1241     \begin{titlepage}%
1242         \let\footnotesize\small
1243         \let\right@footnoterule\relax
1244         \let\left@footnoterule\relax
1245         \let\textwidth@footnoterule\relax
1246         \let \footnote \thanks
1247         \long\def\@makefnmark##1{\parindent\z@
1248             \def\labelitemi{\textendash}\@revlabeltrue
1249             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1250         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1251         \if@compatibility\setcounter{page}{0}\fi
1252         \null\vfil
1253         \vskip 60\p@
1254         \begin{center}%
1255             \TitleFont
1256             {\LARGE \def\\{\penalty -\@M}
1257              \if@allcaps
1258                  \expandafter\uc@nothanks\@title\thanks\relax
1259              \else
1260                  \@title
1261                  \fi\par}%
1262             \vskip 3em%
1263             {\large
1264              \lineskip .75em \parindent\z@
1265              \begin{tabular}[t]{c}%

```



```

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

```



```

1316         \@maketitle
1317     \else
1318         \twocolumn[\@maketitle]%
1319     \fi
1320 \else
1321     \newpage
1322     \global\@topnum\z@
1323     \@maketitle
1324 \fi
1325 \thispagestyle{plain}\@thanks
1326 \endgroup
1327 \setcounter{footnote}{0}%
1328 \global\let\thanks\relax
1329 \global\let\maketitle\relax
1330 \global\let\@maketitle\relax
1331 \global\let\@thanks\@empty
1332 \global\let\@author\@empty
1333 \global\let\@title\@empty
1334 \global\let\@date\@empty
1335 \global\let\title\relax
1336 \global\let\author\relax
1337 \global\let\date\relax
1338 \global\let\and\relax
1339 }
1340 \def\@maketitle{%
1341     \newpage
1342     \null
1343     \vskip 2em%
1344     \if@titlecentered
1345         \begin{center}%
1346             \let \footnote \thanks
1347             {\LARGE \TitleFont \@title \par}%
1348             \vskip 1.5em%
1349             {\large \TitleFont
1350              \lineskip .5em%
1351              \begin{tabular}[t]{c}%
1352                  \@author
1353              \end{tabular}\par}%
1354             \vskip 1em%
1355             {\large \TitleFont \@date}%
1356         \end{center}%
1357     \else
1358         {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1359         {\large \TitleFont \lineskip .5em \tabcolsep\z@
1360          \def\and{%% \begin{tabular} has already started
1361           \end{tabular}\hskip 1em plus .17fil
1362           \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
1363           \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1364         \vskip 1em {\large \TitleFont \@date}
1365     \fi

```




```

1366 \par
1367 \vskip 1.5em}
1368 \fi

```

13 File arydshln-xetex-bidi.def

```

1369 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1370 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1371 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1372 \expandafter\let\csname endtabular*\endcsname\endtabular
1373 \let\adl@array\@array
1374 \def\@array{\adl@everyvbox\everyvbox
1375     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1376     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1377     \let\adl@noalign\noalign
1378     \adl@array}
1379 \ifadl@usingarypkg
1380 \def\@testpach{\@chclass
1381 \ifnum \@lastchclass=6 \one \@chnum \one \else
1382 \ifnum \@lastchclass=7 5 \else
1383 \ifnum \@lastchclass=8 \tw@ \else
1384 \ifnum \@lastchclass=9 \thr@@
1385 \else \z@
1386 \ifnum \@lastchclass = 10 \else
1387 \edef\@nextchar{\expandafter\string\@nextchar}%
1388 \@chnum
1389 \if \@nextchar c\z@ \else
1390 \if \@nextchar \if@RTLtab r\else l\fi\one \else
1391 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1392 \z@ \@chclass
1393 \if \@nextchar |\one \let\@arrayrule\adl@arrayrule \else
1394 \if \@nextchar : \one \let\@arrayrule\adl@arraydashrule \else
1395 \if \@nextchar ; \one \let\@arrayrule\adl@argarraydashrule \else
1396 \if \@nextchar !6 \else
1397 \if \@nextchar @7 \else
1398 \if \@nextchar <8 \else
1399 \if \@nextchar >9 \else
1400 10
1401 \@chnum
1402 \if \@nextchar m\thr@@\else
1403 \if \@nextchar p4 \else
1404 \if \@nextchar b5 \else
1405 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1406 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1407
1408 \def\@classz{\@classx
1409 \tempcnta \count@
1410 \prepnext@tok
1411 \@addtopreamble{\ifcase \@chnum
1412 \hfil

```



```

1413 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1414 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1415 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1416 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1417 \adl@endmbox\or
1418 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1419 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1420 \fi}\prepnext@tok}
1421 \def\adl@class@start{4}
1422 \def\adl@class@iiiorvii{7}
1423
1424 \else
1425 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1426 \ifnum \@lastchclass=\thr@@ 5\relax \else
1427 \z@ \if #1c\@chnum \z@ \else
1428 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1429 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1430 \@chclass
1431 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1432 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1433 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1434 \if #1@\tw@ \else
1435 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1436 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1437
1438 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1439 \or \or \@addamp \or
1440 \@acolampacol \or \@firststampfalse \@acol \fi
1441 \edef\@preamble{\@preamble
1442 \ifcase \@chnum
1443 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1444 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1445 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1446 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1447 \or \or \@addamp \or
1448 \@acolampacol \or \@firststampfalse \@acol \fi
1449 \edef\@preamble{\@preamble
1450 \ifcase \@chnum
1451 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1452 \or \adl@putlrc{\@sharp\unskip}\hfil
1453 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1454 \def\adl@class@start{6}
1455 \def\adl@class@iiiorvii{3}
1456 \fi
1457 \ifpackageloaded{colortbl}{%
1458 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1459 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1460 \let\@endpbox\adl@org@endpbox}
1461 \let\adl@CT@setup\CT@setup
1462 \def\CT@setup{\adl@CT@setup

```



```

1463      \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1464      \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1465      \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1466 \let\adl@act@CT@setup\CT@setup
1467 \def\@classz{\@classx
1468     \@tempcnta\count@ \prepnext@tok
1469     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1470     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1471     \expandafter\adl@extract@drsc
1472         \the\toks\@tempcnta\doublerulesepcolor!\@nil
1473     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1474     \@addtopreamble{\if@RTL\beginL\fi%
1475         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1476         \ifcase \@chnum
1477             \hskip\stretch{.5}\kern\z@
1478             \d@llarbegin
1479             \insert@column
1480             \d@llarend\hskip\stretch{.5}%
1481         \or \d@llarbegin \insert@column \d@llarend \hfill
1482         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1483         \or $\vcenter
1484             \@startpbox{\@nextchar}\insert@column \@endpbox $%
1485         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1486         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1487         \fi
1488         \if@RTL\endR\fi\egroup\egroup
1489     \begingroup
1490         \CT@setup
1491         \CT@column@color
1492         \CT@row@color
1493         \CT@cell@color
1494         \CT@do@color
1495     \endgroup
1496     \@tempdima\ht\z@
1497     \advance\@tempdima\minrowclearance
1498     \vrule\@height\@tempdima\@width\z@
1499     \unhbox\z@\if@RTL\endL\fi}%
1500     \prepnext@tok}
1501 \let\adl@act@classz\@classz
1502 \let\adl@org@classz\@classz
1503 }{}

```

14 File bidi.sty

```

1504 \NeedsTeXFormat{LaTeX2e}
1505 \def\bididate{2018/01/21}
1506 \def\bidi@version{32.3}
1507 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space
1508 Bidirectional typesetting in plain TeX and LaTeX]
1509 \edef\@bidi@info{*****~J%

```



```

1510 * ^^J%
1511 * bidi package (Bidirectional typesetting in^^J%
1512 * plain TeX and LaTeX, using XeTeX engine)^^J%
1513 * ^^J%
1514 * Description: A convenient interface for^^J%
1515 * typesetting bidirectional texts in plain TeX^^J%
1516 * and LaTeX. The package includes adaptations^^J%
1517 * for use with many other commonly-used packages.^^J%
1518 * ^^J%
1519 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1520 * ^^J%
1521 * v\bidi@version, \bididate^^J%
1522 * ^^J%
1523 * License: LaTeX Project Public License, version^^J%
1524 * 1.3c or higher (your choice)^^J%
1525 * ^^J%
1526 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1527 * ^^J%
1528 * Issue tracker: https://github.com/tex-xet/bidi/issues^^J%
1529 * ^^J%
1530 * Support: persian-tex@tug.org^^J%
1531 * ^^J%
1532 *****}
1533 \typeout{\@bidi@info}
1534 \edef\bidi@everyjob{\the\everyjob}
1535 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1536 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
1537 \newcommand*{\IfbidiPackageVersionLater}[1]{%
1538   \ifdim\bidi@version pt > #1 pt %
1539     \expandafter\@firstoftwo
1540   \else
1541     \expandafter\@secondoftwo
1542   \fi}
1543 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
1544   \ifdim\bidi@version pt < #1 pt %
1545     \expandafter\@firstoftwo
1546   \else
1547     \expandafter\@secondoftwo
1548   \fi}
1549 \newcommand*{\IfbidiPackageVersion}[1]{%
1550   \ifdim\bidi@version pt = #1 pt %
1551     \expandafter\@firstoftwo
1552   \else
1553     \expandafter\@secondoftwo
1554   \fi}
1555 \RequirePackage{iftex}
1556 \RequireXeTeX
1557 \RequirePackage{biditools}
1558 \RequirePackage{zref-abspage}
1559 \RequirePackage{auxhook}

```



```

1560 \RequirePackage{ltxcmds}
1561 \RequirePackage{xkeyval}
1562 \eqnewif{\if@RTLmain}{\if@rlmain}
1563 \eqnewif{\if@RTL}{\if@rl}
1564 \newif\if@nonlatin
1565 \newcommand*{\setlatin}{\@nonlatinfalse}
1566 \newcommand*{\setnonlatin}{\@nonlatintrue}
1567 \eqnewif{\if@RTLtab}{\if@tab@rl}
1568 \newif\if@hboxRconstruct
1569 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1570 \newcommand*{\setLTRtable}{\@RTLtabfalse}
1571 \newif\if@RTLMarginpar
1572 \newif\if@LTRmarginpar
1573 \newif\if@LTRbibitems
1574 \newif\if@RTLbibitems
1575 \newif\if@extrafootnotefeatures
1576 \newif\if@parafootRTL
1577 \newif\if@RTLcolumnfootnotes
1578 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1579 \newif\if@bidi@list@minipage@parbox
1580 \newif\if@bidi@list@minipage@parbox@not@nob
1581 \@RTLmainfalse
1582 \AtBeginDocument{%
1583   \if@RTLmain\else
1584     \if@RTL\@RTLmaintrue%
1585     \else\@RTLmainfalse%
1586     \fi%
1587   \fi%
1588 }
1589 \let\n@xt=\
1590 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1591 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1592 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1593 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1594 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1595   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1596 \newinsert\@bidi@copyins@
1597 \skip\@bidi@copyins@=12\p@
1598 \dimen\@bidi@copyins@=40pc
1599 \count\@bidi@copyins@=1000
1600 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1601 \newcommand*{\@bidi@logo@hb@xt@}{%
1602   \if@RTLmain
1603     \hboxR to
1604   \else
1605     \hboxL to
1606   \fi
1607 }
1608 \newcommand*{\@bidi@logo@}{\@bidi@logo@hb@xt@\textwidth{\hss\LRE{\bfseries Typeset by the \tex
1609 \input{latex-xetex-bidi.def}

```



```

1610 \input{loadingorder-xetex-bidi.def}
1611 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1612   \ifcase\bidi@tempb\relax
1613     \@RTLtrue
1614   \or
1615     \@RTLfalse
1616   \fi}
1617 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1618   \ifcase\bidi@tempb\relax
1619     \@RTLtrue
1620   \or
1621     \@RTLfalse
1622   \fi}
1623 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1624   \ifcase\bidi@tempb\relax
1625     \@RTLtabtrue
1626   \or
1627     \@RTLtabfalse
1628   \fi}
1629 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1630   \ifcase\bidi@tempb\relax
1631     \@nonlatinfalse
1632   \or
1633     \@nonlatintrue
1634   \fi}
1635 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1636   \ifcase\bidi@tempb\relax
1637     \@RTLtrue
1638   \or
1639     \@RTLfalse
1640   \fi}
1641 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,two}
1642   \ifcase\bidi@tempb\relax
1643     \autofootnoterule
1644   \or
1645     \leftfootnoterule
1646   \or
1647     \rightfootnoterule
1648   \or
1649     \SplitFootnoteRule
1650   \or
1651     \textwidthfootnoterule
1652   \fi}
1653 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1654   \ifcase\bidi@tempb\relax
1655     \@RTL@footnotetrue
1656   \or
1657     \@RTL@footnotefalse
1658   \fi}
1659 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%

```



```

1660 \ifcase\bidit@tempb\relax
1661 \footdir@debugtrue
1662 \or
1663 \footdir@debugfalse
1664 \fi}
1665 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidit@tempa\bidit@tempb]{on,off}[on]{%
1666 \ifcase\bidit@tempb\relax
1667 \@extrafootnotefeaturestrue
1668 \or
1669 \@extrafootnotefeaturesfalse
1670 \fi}
1671
1672 \define@choicekey{bidi.sty}{DetectColumn}[\bidit@tempa\bidit@tempb]{on,off}[on]{%
1673 \ifcase\bidit@tempb\relax
1674 \def\bidit@firstcolumn@status@write{%
1675 \protected@write\@auxout{%
1676 {\string\bidit@column@status
1677 {1}}}%
1678 \def\bidit@lastcolumn@status@write{%
1679 \protected@write\@auxout{%
1680 {\string\bidit@column@status{2}}}%
1681 \or
1682 \let\bidit@firstcolumn@status@write\relax
1683 \let\bidit@lastcolumn@status@write\relax
1684 \fi}
1685
1686 \define@choicekey{bidi.sty}{logo}[\bidit@tempa\bidit@tempb]{on,off}[on]{%
1687 \ifcase\bidit@tempb\relax
1688 \AtBeginDocument{\@bidit@inslogo}%
1689 \or
1690 \let\@bidit@logo@\@empty \let\@bidit@inslogo@\@empty
1691 \fi}
1692
1693 \ExecuteOptionsX{%
1694 DetectColumn=off,%
1695 logo=on%
1696 }
1697
1698 \ProcessOptionsX
1699
1700 \if@extrafootnotefeatures
1701 \input{extrafootnotefeatures-xetex-bidi.def}
1702 \fi
1703 \newcount\bidit@digits
1704 \XeTeXinterchartokenstate=\@ne
1705 \newXeTeXintercharclass\bidit@digits@charclass
1706 \newXeTeXintercharclass\bidit@sepmark@charclass
1707 \XeTeXcharclass \. \bidit@sepmark@charclass
1708 \XeTeXcharclass \- \bidit@sepmark@charclass
1709 \bidit@digits=\0 \loop \XeTeXcharclass \bidit@digits \bidit@digits@charclass \ifnum\bidit@digits

```



```

1710 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1711 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterChar
1712 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}

```

15 File bidi.tex

```

1713 \def\bididate{2018/01/21}
1714 \catcode`\@=11
1715 \def\bidi@version{0.4}
1716 \let \protect \relax
1717 \newlinechar`\^^J
1718 \edef\@bidi@info{*****^^J%
1719 * ^^J%
1720 * bidi package (Bidirectional typesetting in^^J%
1721 * plain TeX and LaTeX, using XeTeX engine)^^J%
1722 * ^^J%
1723 * Description: A convenient interface for^^J%
1724 * typesetting bidirectional texts in plain TeX^^J%
1725 * and LaTeX. The package includes adaptations^^J%
1726 * for use with many other commonly-used packages.^^J%
1727 * ^^J%
1728 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1729 * ^^J%
1730 * v\bidi@version, \bididate^^J%
1731 * ^^J%
1732 * License: LaTeX Project Public License, version^^J%
1733 * 1.3c or higher (your choice)^^J%
1734 * ^^J%
1735 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1736 * ^^J%
1737 * Issue tracker: https://github.com/tex-xetex/bidi/issues^^J%
1738 * ^^J%
1739 * Support: persian-tex@tug.org^^J%
1740 * ^^J%
1741 *****}
1742 \message{\@bidi@info}
1743 \edef\bidi@everyjob{\the\everyjob}
1744 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1745 \def\bidiversion{%
1746 \relax
1747 \ifmmode
1748 \bidi@version
1749 \else
1750 $\bidi@version$
1751 \fi
1752 }
1753 \input iftex.sty
1754 \RequireXeTeX
1755 \newif\if@RTLmain
1756 \newif\if@RTL

```




```

1757 \newif\if@hboxRconstruct
1758 \newif\if@sendif
1759 \newif\if@RTL@footnote
1760 \RTLmainfalse
1761 \def\setRTLmain{%
1762   \if@RTLmain\else
1763     \if@RTL\@RTLmaintrue%
1764     \else\@RTLmainfalse%
1765     \fi%
1766   \fi%
1767 }
1768 \let\n@xt=
1769 \protected\def\LRE{\protect\pLRE}%
1770 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1771 \protected\def\RLE{\protect\pRLE}
1772 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1773 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1774   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1775 \newinsert\@bidi@copyins@
1776 \skip\@bidi@copyins@=12\p@
1777 \dimen\@bidi@copyins@=40pc
1778 \count\@bidi@copyins@=1000
1779 \def\@bidi@inslogo@{\insert\@bidi@copyins@{\@bidi@logo@}}
1780 \def\@bidi@logo@hb@xt@{%
1781   \if@RTLmain
1782     \hboxR to
1783   \else
1784     \hboxL to
1785   \fi
1786 }
1787 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package}}}}
1788 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
1789 \input plain-xetex-bidi.def
1790 \@bidi@inslogo@
1791 \catcode`\@=12

```

16 File bidi2in1.sty

```

1792 \NeedsTeXFormat{LaTeX2e}
1793 \ProvidesPackage{bidi2in1}
1794 \pagestyle{plain}
1795 \newcount\evenpage
1796 \newcount\oddpge
1797 \twocolumn
1798 \def\@oddfot{\evenpage=\thepage%
1799 \multiply\evenpage by 2%
1800 \oddpge=\the\evenpage%
1801 \advance\oddpge by -1%
1802 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1803 \def\@evenfoot{\evenpage=\thepage%

```



```

1804 \multiply\evenpage by 2%
1805 \oddpagelength=\the\evenpagelength%
1806 \advance\oddpagelength by -1%
1807 \hfil\the\oddpagelength\hfil\hfil\the\evenpagelength\hfil}%
1808 \textwidth 9.49in
1809 \textheight 6.7in
1810 \columnsep 0.9in
1811 \columnseprule 0.125pt
1812 \headheight 0cm
1813 \topmargin 0in
1814 \marginparwidth 0in
1815 \marginparsep 0in
1816 \hoffset 0.05in % Corrected
1817 \voffset -0.5in %top margin space is 1.0in by default
1818 \oddsidemargin 0in
1819 \evensidemargin 0in
1820 \headsep 0cm
1821 \topskip 0cm
1822 \parskip 0.15in %
1823 \headsep 0pt
1824 \special{papersize=11.69in,8.26in}
1825 \renewcommand\maketitle{\par
1826 \begingroup
1827 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1828 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1829 \long\def\@makefntext##1{\parindent 1em\noindent
1830 \hb@xt@1.8em{\%
1831 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1832 \@maketitle
1833 \@thanks
1834 \endgroup
1835 \setcounter{footnote}{0}%
1836 \global\let\thanks\relax
1837 \global\let\maketitle\relax
1838 \global\let\@maketitle\relax
1839 \global\let\@thanks\@empty
1840 \global\let\@author\@empty
1841 \global\let\@date\@empty
1842 \global\let\@title\@empty
1843 \global\let\title\relax
1844 \global\let\author\relax
1845 \global\let\date\relax
1846 \global\let\and\relax
1847 }

```

17 File bidicode.sty

```

1848 \NeedsTeXFormat{LaTeX2e}
1849 \ProvidesPackage{bidicode}
1850 \RequirePackage{xcolor}

```



```

1851 \RequirePackage{showexpl}
1852 \definecolor{hellgelb}{rgb}{1,1,0.85}
1853 \definecolor{colKeys}{rgb}{0,0,1}
1854 \definecolor{colIdentifier}{rgb}{0,0,0}
1855 \definecolor{colComments}{rgb}{1,0,0}
1856 \definecolor{colString}{rgb}{0,0.5,0}
1857 \lstset{
1858     language=[LaTeX]TEX,
1859     float=hbp,
1860     basicstyle=\ttfamily\small,
1861     identifierstyle=\color{colIdentifier},
1862     keywordstyle=\color{colKeys},
1863     stringstyle=\color{colString},
1864     commentstyle=\color{colComments},
1865     backgroundcolor=\color{hellgelb},
1866     columns=flexible,
1867     tabsize=4,
1868     extendedchars=true,
1869     showspaces=false,
1870     showstringspaces=false,
1871     numbers=left,
1872     numbersep=0.9em,
1873     numberstyle=\tiny, %
1874     frame=single,
1875     captionpos=b,
1876     xleftmargin=1em,
1877     breaklines=true,
1878     breakautoindent=false,
1879     breakindent=0pt,
1880     escapeinside=**,
1881     pos=r,
1882     explpreset={%
1883     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1884     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1885 }
1886 \newcommand\HLON{%
1887     \gdef\lst@alloverstyle##1{%
1888         \fboxrule=0pt
1889         \fboxsep=0pt
1890         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1891     }}
1892 \newcommand\HLOFF{%
1893     \xdef\lst@alloverstyle##1{##1}%
1894 }
1895 \newcommand\Larg [1]{\{\normalfont\itshape#1\}}
1896 \newcommand\Larga [1]{\{$\langle$\Larg{#1}$\rangle$}
1897 \newcommand\Largb [1]{\lcb\Larg{#1}\rcb}
1898 \newcommand\Largs [1]{\lsb\Larg{#1}\rsb}
1899 \newcommand\Largr [1]{\lrb\Larg{#1}\rrb}
1900 \newcommand\LBEG [1]{\{\normalfont\ttfamily\bs{}\begin\lcb#1\rcb}}

```



```

1901 \newcommand\LEND[1]{\{\normalfont\ttfamily\bs{}end\lcb#1\rcb\}}
1902
1903 \DeclareRobustCommand\bs{\{\normalfont\ttfamily\symbol{92}\}}
1904 \DeclareRobustCommand\lcb{\{\normalfont\ttfamily\char`\{\}}
1905 \DeclareRobustCommand\rcb{\{\normalfont\ttfamily\char`\}\}}
1906 \DeclareRobustCommand\lsb{\{\normalfont\ttfamily[}}
1907 \DeclareRobustCommand\rsb{\{\normalfont\ttfamily]}}
1908 \DeclareRobustCommand\lrb{\{\normalfont\ttfamily(}}
1909 \DeclareRobustCommand\rrb{\{\normalfont\ttfamily)}}
1910
1911 \def\Lcs#1{\nxLcs{#1}}
1912 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1913 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1914
1915 \def\Coordx#1{$x_{#1}$}
1916 \def\Coordy#1{$y_{#1}$}
1917 \def\Coordz#1{$z_{#1}$}
1918 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1919 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1920 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1921 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
1922 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
1923 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
1924 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
1925 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
1926 \def\coordx#1{($x_{#1}$)}
1927 \def\coordy#1{($y_{#1}$)}
1928 \def\coordz#1{($z_{#1}$)}
1929 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
1930 \def\ciiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
1931
1932 \newsavebox{\boxdef}
1933 \newenvironment{BDef}
1934   {\begin{lrbox}\boxdef
1935     \def\arraystretch{1.0}
1936     \begin{tabular}{@{}l@{}l@{}l@{}}
1937   }
1938   {\end{tabular}\end{lrbox}}
1939
1940   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1941   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1942 }
1943
1944 \newenvironment{BDef*}
1945   {\begin{lrbox}\boxdef
1946     \def\arraystretch{1.0}
1947     \begin{tabular}{@{}l@{}l@{}l@{}}
1948   }
1949   {\end{tabular}\end{lrbox}}
1950   {\begin{BCmd*}\fbbox{\usebox\boxdef}\endBCmd*}}

```



```

1951 \aftergroup\@afterindentfalse\aftergroup\@afterheading
1952 }
1953 \newenvironment{BCmd}{
1954 \@beginparpenalty-\@lowpenalty
1955 \topsep\BDefaboveskip
1956 \fboxsep3pt
1957 \flushleft}
1958 {\@endparpenalty\@M
1959 \@topsepadd\BDefbelowskip
1960 \endflushleft}
1961
1962 \newenvironment{BCmd*}{
1963 \@beginparpenalty\@M
1964 \topsep\BDefinlineskip
1965 \fboxsep3pt
1966 \flushleft}
1967 {\@endparpenalty5000
1968 \endflushleft}
1969
1970 \newskip\BDefaboveskip
1971 \newskip\BDefbelowskip
1972 \newskip\BDefinlineskip
1973 \setlength\BDefaboveskip{10pt plus 4pt}
1974 \setlength\BDefbelowskip{6pt}
1975 \setlength\BDefinlineskip{6pt}
1976
1977 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
1978 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
1979 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
1980 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

18 File bidiftnxtra.sty

```

1981 \NeedsTeXFormat{LaTeX2e}
1982 \ProvidesPackage{bidiftnxtra}
1983 \newtoks\bidip@ftn
1984 \let\FN@sfc@footnote\footnote
1985 \let\FN@sfc@LTRfootnote\LTRfootnote
1986 \let\FN@sfc@RTLfootnote\RTLfootnote
1987 \def\footnote{\ifx\protect\@typeset@protect
1988 \expandafter\FN@sfc@footnote
1989 \else
1990 \expandafter\FN@sfc@gobble@opt
1991 \fi
1992 }
1993 \def\LTRfootnote{\ifx\protect\@typeset@protect
1994 \expandafter\FN@sfc@LTRfootnote
1995 \else
1996 \expandafter\FN@sfc@gobble@opt
1997 \fi

```



```

1998 }
1999 \def\RTLfootnote{\ifx\protect\@typeset@protect
2000   \expandafter\FN@sfi@RTLfootnote
2001   \else
2002   \expandafter\FN@sfi@gobble@opt
2003   \fi
2004 }
2005 \edef\FN@sfi@gobble@opt{\noexpand\protect
2006   \expandafter\noexpand\csname FN@sfi@gobble@opt \endcsname}
2007 \expandafter\def\csname FN@sfi@gobble@opt \endcsname{%
2008   \@ifnextchar[%]
2009     \FN@sfi@gobble@twobrace
2010     \@gobble
2011 }
2012 \def\FN@sfi@gobble@twobrace[#1]#2{}
2013 \let\FN@sfi@footnotemark\footnotemark
2014 \def\footnotemark{\ifx\protect\@typeset@protect
2015   \expandafter\FN@sfi@footnotemark
2016   \else
2017   \expandafter\FN@sfi@gobble@optonly
2018   \fi
2019 }
2020 \edef\FN@sfi@gobble@optonly{\noexpand\protect
2021   \expandafter\noexpand\csname FN@sfi@gobble@optonly \endcsname}
2022 \expandafter\def\csname FN@sfi@gobble@optonly \endcsname{%
2023   \@ifnextchar[%]
2024     \FN@sfi@gobble@brace
2025     {}%
2026 }
2027 \def\FN@sfi@gobble@brace[#1]{}
2028 \def\@tabular{%
2029   \leavevmode \hbox \bgroup
2030   \let\@footnotetext\@bidi@p@ftntext
2031   \let\@LTRfootnotetext\@bidi@p@LTRftntext
2032   \let\@RTLfootnotetext\@bidi@p@RTLftntext
2033   \let\@xfootnotenext\@bidi@p@xftntext
2034   \let\@xfootnote\@bidi@p@xfootnote
2035   \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2036   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2037   \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2038   \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2039   \if@RTLtab\beginR \fi
2040   $\let\@acol\@tabacol
2041   \let\@classz\@tabclassz
2042   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2043 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2044   \egroup $\if@RTLtab\endR\fi\egroup
2045   \ifx\capttype\undefined
2046     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2047 \long\def\@bidi@p@ftntext#1{%

```



```

2048 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2049 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2050 \long\def\@bidi@p@LTRftntext#1{%
2051 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2052 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2053 \long\def\@bidi@p@RTLftntext#1{%
2054 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2055 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2056
2057
2058 \long\def\@bidi@p@xftntext[#1]#2{%
2059 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
2060
2061 \long\def\@bidi@p@xLTRftntext[#1]#2{%
2062 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
2063
2064 \long\def\@bidi@p@xRTLftntext[#1]#2{%
2065 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
2066
2067
2068 \def\@bidi@p@xfootnote[#1]{%
2069 \begingroup
2070 \csname c@\@mpfn\endcsname #1\relax
2071 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2072 \endgroup
2073 \@footnotemark\@bidi@p@xftntext[#1]}
2074
2075
2076 \def\@bidi@p@xLTRfootnote[#1]{%
2077 \begingroup
2078 \csname c@\@mpfn\endcsname #1\relax
2079 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2080 \endgroup
2081 \@footnotemark\@bidi@p@xLTRftntext[#1]}
2082
2083
2084 \def\@bidi@p@xRTLfootnote[#1]{%
2085 \begingroup
2086 \csname c@\@mpfn\endcsname #1\relax
2087 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2088 \endgroup
2089 \@footnotemark\@bidi@p@xRTLftntext[#1]}
2090
2091 \def\@xfloat #1[#2]{%
2092 \nodocument
2093 \def \@captype {#1}%
2094 \def \@fps {#2}%
2095 \@onelevel@sanitize \@fps
2096 \def \reserved@b {!}%
2097 \ifx \reserved@b \@fps

```



```

2098 \@fpsadddefault
2099 \else
2100 \ifx \@fps \@empty
2101 \@fpsadddefault
2102 \fi
2103 \fi
2104 \ifhmode
2105 \@bsphack
2106 \@floatpenalty -\@Mii
2107 \else
2108 \@floatpenalty-\@Miii
2109 \fi
2110 \ifinner
2111 \@parmoderr\@floatpenalty\z@
2112 \else
2113 \@next\@currbox\@freelist
2114 {%
2115 \@tempcnta \sixt@@n
2116 \expandafter \@tfor \expandafter \reserved@a
2117 \expandafter :\expandafter =\@fps
2118 \do
2119 {%
2120 \if \reserved@a h%
2121 \ifodd \@tempcnta
2122 \else
2123 \advance \@tempcnta \@ne
2124 \fi
2125 \fi
2126 \if \reserved@a t%
2127 \@setfpsbit \tw@
2128 \fi
2129 \if \reserved@a b%
2130 \@setfpsbit 4%
2131 \fi
2132 \if \reserved@a p%
2133 \@setfpsbit 8%
2134 \fi
2135 \if \reserved@a !%
2136 \ifnum \@tempcnta>15
2137 \advance\@tempcnta -\sixt@@n\relax
2138 \fi
2139 \fi
2140}%
2141 \@tempcntb \csname ftype@\@capttype \endcsname
2142 \multiply \@tempcntb \@xxxii
2143 \advance \@tempcnta \@tempcntb
2144 \global \count\@currbox \@tempcnta
2145}%
2146 \@fltovf
2147 \fi

```




```

2148 \global \setbox\@currbox
2149 \color@vbox
2150 \normalcolor
2151 \vbox \bgroup
2152 \let\@footnotetext\@bidi@p@ftntext
2153 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2154 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2155 \let\@xfootnotenext\@bidi@p@xftntext
2156 \let\@xfootnote\@bidi@p@xfootnote
2157 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2158 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2159 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2160 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2161 \hsize\columnwidth
2162 \@parboxrestore
2163 \@floatboxreset
2164 }
2165 \def \@endfloatbox{%
2166 \par\vskip\z@skip %% \par\vskip\z@ added 15 Dec 87
2167 \@minipagefalse
2168 \outer@nobreak
2169 \egroup %% end of vbox
2170 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2171 \color@endbox
2172 }

```

19 File bidimoderncv.cls

```

2173 \NeedsTeXFormat{LaTeX2e}
2174 \ProvidesClass{bidimoderncv}
2175 \newif\if@DEBUG\@DEBUGfalse
2176 \DeclareOption{a4paper}{
2177 \setlength\paperheight{297mm}
2178 \setlength\paperwidth{210mm}}
2179 \DeclareOption{a5paper}{
2180 \setlength\paperheight{210mm}
2181 \setlength\paperwidth{148mm}}
2182 \DeclareOption{b5paper}{
2183 \setlength\paperheight{250mm}
2184 \setlength\paperwidth{176mm}}
2185 \DeclareOption{letterpaper}{
2186 \setlength\paperheight{11in}
2187 \setlength\paperwidth{8.5in}}
2188 \DeclareOption{legalpaper}{
2189 \setlength\paperheight{14in}
2190 \setlength\paperwidth{8.5in}}
2191 \DeclareOption{executivepaper}{
2192 \setlength\paperheight{10.5in}
2193 \setlength\paperwidth{7.25in}}
2194 \DeclareOption{landscape}{

```



```

2195 \setlength\@tempdima{\paperheight}
2196 \setlength\paperheight{\paperwidth}
2197 \setlength\paperwidth{\@tempdima}
2198 \newcommand\@ptsize{}
2199 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2200 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2201 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2202 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2203 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2204 \newif\if@colour\@colourtrue
2205 \DeclareOption{nocolour}{\@colourfalse}
2206 \ExecuteOptions{a4paper,11pt,colour,final}
2207 \ProcessOptions\relax
2208 \input{size1\@ptsize.clo}
2209 \RequirePackage{color}
2210 \RequirePackage{graphicx}
2211 \RequirePackage{ifthen}
2212 \RequirePackage{marvosym}
2213 \addtolength{\oddsidemargin}{-54pt}
2214 \addtolength{\textwidth}{109pt}
2215 \addtolength{\topmargin}{-70pt}
2216 \addtolength{\textheight}{122pt}
2217 \addtolength{\marginparsep}{-5pt}
2218 \addtolength{\marginparwidth}{-10pt}
2219 \RequirePackage{url}
2220 \RequirePackage{hyperref}
2221 \hypersetup{%
2222   breaklinks,
2223   baseurl      = http://,%
2224   pdfborder    = 0 0 0,%
2225   pdfpagemode  = UseNone,%
2226   pdfstartpage = 1}
2227 \AtEndOfClass{%
2228   \AtBeginDocument{%
2229     \hypersetup{%
2230       pdfauthor      = \@firstname-\@familyname,%
2231       pdftitle       = \@title,%
2232       pdfsubject     = \@firstname-\@familyname,%
2233       pdfkeywords    = \@resumename~\@firstname-\@familyname}}}
2234 \urlstyle{tt}
2235 \RequirePackage{fancyhdr}
2236 \fancypagestyle{plain}{%
2237   \renewcommand{\headrulewidth}{0pt}
2238   \renewcommand{\footrulewidth}{0pt}
2239   \fancyhf{}}
2240 \pagestyle{plain}
2241 \setlength\lineskip{1\p@}
2242 \setlength\normallineskip{1\p@}
2243 \renewcommand\baselinestretch{}
2244 \setlength{\parindent}{0pt}

```



```

2245 \setlength{\parskip}{0pt}
2246 \setlength{\columnsep}{10\p@}
2247 \setlength{\columnseprule}{0\p@}
2248 \pagestyle{empty}
2249 \pagenumbering{arabic}
2250 \raggedbottom
2251 \onecolumn
2252 \providecommand*{\listitemsymbol}{\textbullet}
2253 \providecommand*{\addresssymbol}{}
2254 \providecommand*{\mobilesymbol}{\Mobilefone}
2255 \providecommand*{\phonesymbol}{\Telefon}
2256 \providecommand*{\faxsymbol}{\FAX}
2257 \providecommand*{\emailsymbol}{\Letter}
2258 \definecolor{firstnamecolor}{rgb}{0,0,0}
2259 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2260 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2261 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2262 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2263 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2264 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2265 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2266 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2267 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2268 \providecommand*{\firstnamefont}{}
2269 \providecommand*{\familynamefont}{}
2270 \providecommand*{\titlefont}{}
2271 \providecommand*{\addressfont}{}
2272 \providecommand*{\quotefont}{}
2273 \providecommand*{\sectionfont}{}
2274 \providecommand*{\subsectionfont}{}
2275 \providecommand*{\hintfont}{\small}
2276 \providecommand*{\firstnamestyle}[1]{\{\@firstnamefont\@firstnamecolour#1}}
2277 \providecommand*{\familynamestyle}[1]{\{\@familynamefont\@familynamecolour#1}}
2278 \providecommand*{\titlestyle}[1]{\{\@titlefont\@titlecolour#1}}
2279 \providecommand*{\addresstyle}[1]{\{\@addressfont\@addresscolour#1}}
2280 \providecommand*{\quotestyle}[1]{\{\@quotefont\@quotecolour#1}}
2281 \providecommand*{\sectionstyle}[1]{\{\@sectionfont\@sectiontitlecolour#1}}
2282 \providecommand*{\subsectionstyle}[1]{\{\@subsectionfont\@subsectioncolour#1}}
2283 \providecommand*{\hintstyle}[1]{\{\@hintfont\@hintcolour#1}}
2284 \newcommand*{\cvtheme}[2][{}{
2285   \def\@cvtheme{#2}
2286   \def\@cvthemeoptions{#1}}
2287 \cvtheme{bidi-casual}
2288 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2289 \newcommand*{\resumename}[1]{\def\@resumename{#1}}
2290 \newcommand*{\firstname}[1]{\def\@firstname{#1}}
2291 \newcommand*{\familyname}[1]{\def\@familyname{#1}}
2292 \renewcommand*{\title}[1]{\def\@title{#1}}
2293 \newcommand*{\address}[1]{\def\@address{#1}}
2294 \newcommand*{\mobile}[1]{\def\@mobile{#1}}

```



```

2295 \newcommand*{\phone}[1]{\def\@phone{#1}}
2296 \renewcommand*{\fax}[1]{\def\@fax{#1}}
2297 \newcommand*{\email}[1]{\def\@email{#1}}
2298 \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
2299 \def\@photowidth{0pt}
2300 \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2301 \newcommand*{\quote}[1]{\def\@quote{#1}}
2302 \newlength{\quotewidth}
2303 \newlength{\hintscolumnwidth}
2304 \newlength{\separatorcolumnwidth}
2305 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2306 \newlength{\maincolumnwidth}
2307 \newlength{\doubleitemmaincolumnwidth}
2308 \newlength{\listitemsymbolwidth}
2309 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2310 \newlength{\listitemmaincolumnwidth}
2311 \newlength{\listdoubleitemmaincolumnwidth}
2312 \newcommand*{\recomputethemelengths}{%
2313 \newcommand*{\recomputelengths}{%
2314 \setlength{\quotewidth}{0.65\textwidth}%
2315 \setlength{\maincolumnwidth}{\textwidth}%
2316 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2317 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2318 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2319 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2320 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2321 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2322 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2323 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2324 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2325 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2326 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2327 \renewcommand{\headwidth}{\textwidth}%
2328 \recomputethemelengths}
2329 \setlength{\hintscolumnwidth}{0.15\textwidth}
2330 \recomputelengths
2331 \title{}
2332 \renewcommand*{\maketitle}{}
2333 \newcommand*{\section}[1]{%
2334 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2335 \phantomsection}%
2336 \addcontentsline{toc}{part}{#1}%
2337 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}\sectionstyle{#1}}}%
2338 \hspace{\separatorcolumnwidth}%
2339 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]}
2340 \newcommand*{\subsection}[1]{%
2341 \cvline[0.45em]{\subsectionstyle{#1}}%
2342 \newcommand*{\cvline}[3][.25em]{%
2343 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{\hspace{\separatorcolumnwidth}}@{}%
2344 \bidi@raggedleft\hintfont{#2} &{#3}%

```



```

2345 \end{tabular}\{\#1\}
2346 \newcommand*{\cvdoubleitem}[4]{%
2347 \cvline{\#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}\#2\end{minipage}}%
2348 \hfill%
2349 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{\#3}\end{minipage}\hspace*{\smallskipamount}%
2350 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2351 \cvline[Opt]{\#1~\begin{minipage}[t]{\listitemmaincolumnwidth}\#2\end{minipage}}}%
2352 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2353 \cvline[Opt]{\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}\#2\end{minipage}}%
2354 \hfill%
2355 \ifthenelse{\equal{\#3}{}}{%
2356 {}%
2357 \#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}\#3\end{minipage}}}%
2358 \newcommand*{\cventry}[6]{%
2359 \cvline{\#1}{%
2360 {\bfseries\#2}%
2361 \ifx\#3\else{, {\slshape\#3}}\fi%
2362 \ifx\#4\else{, \#4}\fi%
2363 \ifx\#5\else{, \#5}\fi%
2364 .%
2365 \ifx\#6\else{\newline}\begin{minipage}[t]{\linewidth}\small\#6\end{minipage}}\fi%
2366 }%
2367 \newcommand*{\cvlanguage}[3]{%
2368 \cvline{\#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{\#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}}%
2369 \newcommand*{\cvcomputer}[4]{%
2370 \cvdoubleitem{\#1}{\small\#2}{\#3}{\small\#4}}%
2371 \newcommand*{\link}[2][\#1]{%
2372 \ifthenelse{\equal{\#1}{}}{%
2373 {\href{\#2}{\#2}}%
2374 {\href{\#2}{\#1}}}%
2375 \newcommand*{\httplink}[2][\#1]{%
2376 \ifthenelse{\equal{\#1}{}}{%
2377 {\href{http://\#2}{\#2}}%
2378 {\href{http://\#2}{\#1}}}%
2379 \newcommand*{\emailink}[2][\#1]{%
2380 \ifthenelse{\equal{\#1}{}}{%
2381 {\href{mailto:\#2}{\#2}}%
2382 {\href{mailto:\#2}{\#1}}}%
2383 \newif\ifdisplaypagenumbers\displaypagenumberstrue
2384 \newcommand*{\nopagenumbers}{\displaypagenumbersfalse}
2385 \AtBeginDocument{%
2386 \ifdisplaypagenumbers%
2387 \ifundefined{r@lastpage}{\#1}{%
2388 \ifthenelse{\pageref{lastpage} > 1}{%
2389 \fancypagestyle{plain}{%
2390 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL\endL\pagesuffix}%
2391 \pagestyle{plain}}}%
2392 \AtEndDocument{\label{lastpage}}%
2393 \fi}
2394 \newlength{\bibindent}

```



```

2395 \setlength{\bibindent}{1.5em}
2396 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2397 \newenvironment{thebibliography}[1]%
2398 {%
2399     \section{\refname}%
2400     \small%
2401     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2402     \bidi@thebibliography@font@hook%
2403     \begin{list}{\bibliographyitemlabel}%
2404         {%
2405             \setlength{\topsep}{0pt}%
2406             \setlength{\labelwidth}{\hintscolumnwidth}%
2407             \setlength{\labelsep}{\separatorcolumnwidth}%
2408             \leftmargin\labelwidth%
2409             \advance\leftmargin\labelsep%
2410             \@openbib@code%
2411             \usecounter{enumiv}%
2412             \let\p@enumiv\@empty%
2413             \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2414             \sloppy\clubpenalty4000\widowpenalty4000%
2415         }%
2416     {%
2417         \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2418         \end{list}%
2419     }
2420 \newcommand\newblock{\hspace{.11em}\@plus.33em\@minus.07em}
2421 \let\@openbib@code\@empty

```

20 File biditools.sty

```

2422 \NeedsTeXFormat{LaTeX2e}
2423 \ProvidesPackage{biditools}[2017/10/11 v1.2 Programming tools for bidi package]
2424 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2425     \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2426     \ifx\@tempa\@tempb \global\let#2#1%
2427     \else
2428         \edef\@tempb{\meaning#2}%
2429         \ifx\@tempa\@tempb
2430             \else
2431                 \@latex@error{Unable to properly define \string#2; primitive
2432                 \noexpand#1no longer primitive}\@eha
2433             \fi
2434         \fi
2435     \endgroup}
2436 \newtoks\@bidi@envbody
2437 \newtoks\@bidi@emptytoks
2438 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2439 \def\bidi@collect@body#1{%
2440     \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2441     \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\currentenv}}%

```



```

2442 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2443 \begingroup
2444 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@@body
2445 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2446 \bidi@process@envbody
2447 }
2448 \def\bidi@push@begins#1\begin#2{%
2449 \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2450 }
2451 \def\bidi@collect@@body#1\end#2{%
2452 \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2453 \ifx\@empty\begin@bidi@stack
2454 \endgroup
2455 \@checkend{#2}%
2456 \bidi@addto@envbody{#1}%
2457 \else
2458 \bidi@addto@envbody{#1\end{#2}}%
2459 \fi
2460 \bidi@process@envbody % A little tricky! Note the grouping
2461 }
2462 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2463 \long\def\bidi@collect@long@body#1{%
2464 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2465 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
2466 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2467 \begingroup
2468 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@long@@body
2469 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2470 \bidi@process@envbody
2471 }
2472 \long\def\bidi@push@long@begins#1\begin#2{%
2473 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2474 }
2475 \long\def\bidi@collect@long@@body#1\end#2{%
2476 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@st
2477 \ifx\@empty\begin@bidi@stack
2478 \endgroup
2479 \@checkend{#2}%
2480 \bidi@addto@long@envbody{#1}%
2481 \else
2482 \bidi@addto@long@envbody{#1\end{#2}}%
2483 \fi
2484 \bidi@process@envbody % A little tricky! Note the grouping
2485 }
2486 \long\def\bidi@new@ifnextchar#1#2#3{%
2487 \let\reserved@d= #1%
2488 \def\reserved@a{#2}\def\reserved@b{#3}%
2489 \futurelet\@let@token\bidi@new@ifnch
2490 }
2491 \def\bidi@new@ifnch{%

```



```

2492 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2493 \reserved@b
2494 }
2495 \def\@bidi@matrix@check#1{%
2496 \expandafter\ifx\csname\@currentenv\endcsname#1%
2497 \else\@bidi@matrix@error#1%
2498 \expandafter\@gobble
2499 \fi
2500 }
2501 \def\@bidi@matrix@error#1{%
2502 \PackageError{biditools}{%
2503 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2504 }{%
2505 '\string#1{...}' is old bidi package syntax whose use is
2506 ill-advised in the old versions of bidi package.%
2507 }%
2508 }
2509 \def\@tagsextension{clo}
2510 \def\@definitionfileextension{def}
2511 \def\@texfileextension{tex}
2512 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2513 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2514 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2515 \def\eqnewif#1#2{%
2516 \count@\escapechar \escapechar\m@ne
2517 \let#1\iffalse
2518 \let#2\iffalse
2519 \eq@if#1#2\iftrue
2520 \eq@if#1#2\iffalse
2521 \escapechar\count@}
2522 \def\eq@if#1#2#3{%
2523 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2524 \expandafter\@gobbletwo\string#3\endcsname
2525 {\let#1#3%
2526 \let#2#3}%
2527 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2528 \expandafter\@gobbletwo\string#3\endcsname
2529 {\let#2#3%
2530 \let#1#3}}
2531 \newcommand*\@SetBoolean}[2]{%
2532 \lowercase{\def\@tempa{#2}}%
2533 \@ifundefined{\@tempswa\@tempa}%
2534 {\PackageError{biditools}%
2535 {You can only set a boolean to `true' or `false'}\@ehc}%
2536 {\@ifundefined{#1\@tempa}%
2537 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2538 {\csname#1\@tempa\endcsname}}
2539 \newcommand*\@GlobalSetBoolean}[2]{%
2540 \lowercase{\def\@tempa{#2}}%
2541 \@ifundefined{\@tempswa\@tempa}%

```




```

2542 {\PackageError{biditools}%
2543   {You can only set a boolean to `true' or `false'}\@ehc}%
2544 {\ifundefined{#1\@tempa}%
2545   {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2546   {\global\csname#1\@tempa\endcsname}}}
2547 \newcommand*{\SetatBoolean}[2]{%
2548   \lowercase{\def\@tempa{#2}}%
2549   \@ifundefined{\tempswa\@tempa}%
2550   {\PackageError{biditools}%
2551     {You can only set a boolean to `true' or `false'}\@ehc}%
2552   {\@ifundefined{@#1\@tempa}%
2553     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2554     {\csname @#1\@tempa\endcsname}}}
2555 \newcommand*{\GlobalSetatBoolean}[2]{%
2556   \lowercase{\def\@tempa{#2}}%
2557   \@ifundefined{\tempswa\@tempa}%
2558   {\PackageError{biditools}%
2559     {You can only set a boolean to `true' or `false'}\@ehc}%
2560   {\@ifundefined{@#1\@tempa}%
2561     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2562     {\global\csname @#1\@tempa\endcsname}}}
2563 \def\@bidi@removefromreset#1#2{%
2564   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2565   \def\@elt##1{%
2566     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2567     \else
2568       \noexpand\@elt{##1}%
2569     \fi}%
2570   \expandafter\xdef\csname cl@#2\endcsname{%
2571     \csname cl@#2\endcsname}}
2572 \newcommand*{\ifRtoL}{%
2573   \ifRTL
2574     \expandafter\@firstoftwo
2575   \else
2576     \expandafter\@secondoftwo
2577   \fi}
2578 \newcommand*{\ifLtoR}{%
2579   \ifRTL
2580     \expandafter\@secondoftwo
2581   \else
2582     \expandafter\@firstoftwo
2583   \fi}
2584 \newcommand*{\ifRtoLtable}{%
2585   \ifRTLtab
2586     \expandafter\@firstoftwo
2587   \else
2588     \expandafter\@secondoftwo
2589   \fi}
2590 \newcommand*{\ifLtoRtable}{%
2591   \ifRTLtab

```



```

2592 \expandafter\@secondoftwo
2593 \else
2594 \expandafter\@firstoftwo
2595 \fi}
2596 \newcommand*{\ifRtoLhboxconstruct}{%
2597 \if@hboxRconstruct
2598 \expandafter\@firstoftwo
2599 \else
2600 \expandafter\@secondoftwo
2601 \fi}
2602 \newcommand*{\ifLtoRhboxconstruct}{%
2603 \if@hboxRconstruct
2604 \expandafter\@secondoftwo
2605 \else
2606 \expandafter\@firstoftwo
2607 \fi}
2608 \newcommand*{\iflatin}{%
2609 \if@nonlatin
2610 \expandafter\@secondoftwo
2611 \else
2612 \expandafter\@firstoftwo
2613 \fi}
2614 \newcommand*{\ifnonlatin}{%
2615 \if@nonlatin
2616 \expandafter\@firstoftwo
2617 \else
2618 \expandafter\@secondoftwo
2619 \fi}
2620
2621 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
2622 \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2623
2624 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
2625 \dimexpr #1*65536/\dimexpr 1pt\relax}
2626
2627 \newcommand*{\if@bidi@csdef}[1]{%
2628 \ifcsname#1\endcsname
2629 \expandafter\@firstoftwo
2630 \else
2631 \expandafter\@secondoftwo
2632 \fi}
2633 \newcommand*{\if@bidi@csundef}[1]{%
2634 \ifcsname#1\endcsname
2635 \expandafter\ifx\csname#1\endcsname\relax
2636 \expandafter\expandafter
2637 \expandafter\@firstoftwo
2638 \else
2639 \expandafter\expandafter
2640 \expandafter\@secondoftwo
2641 \fi}

```



```

2642 \else
2643 \expandafter\@firstoftwo
2644 \fi}
2645 \newcommand{\if@bidi@def}[1]{%
2646 \ifdefined#1%
2647 \expandafter\@firstoftwo
2648 \else
2649 \expandafter\@secondoftwo
2650 \fi}
2651 \newcommand{\if@bidi@undef}[1]{%
2652 \ifdefined#1%
2653 \ifx#1\relax
2654 \expandafter\expandafter
2655 \expandafter\@firstoftwo
2656 \else
2657 \expandafter\expandafter
2658 \expandafter\@secondoftwo
2659 \fi
2660 \else
2661 \expandafter\@firstoftwo
2662 \fi}
2663 \newcommand{\if@bidi@blank}[1]{% from url.sty
2664 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2665 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2666 \newcommand{\bidi@notblank}[1]{%
2667 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2668 \newcommand{\if@bidi@defmacro}{%
2669 \long\edef\if@bidi@defmacro#1{%
2670 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2671 \noexpand\meaning#1\detokenize{macro}:&}
2672 \edef\bidi@ifdefmacro{%
2673 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
2674 \bidi@ifdefmacro{\bidi@notblank{#2}}
2675 \newcommand*{\if@bidi@csmacro}[1]{%
2676 \if@bidi@csdef{#1}
2677 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2678 {\@secondoftwo}}
2679 \newcommand{\if@bidi@defprimitive}[1]{%
2680 \ifprimitive#1%
2681 \expandafter\@firstoftwo
2682 \else
2683 \expandafter\@secondoftwo
2684 \fi}
2685 \newcommand{\if@bidi@csprimitive}[1]{%
2686 \begingroup\expandafter\expandafter\expandafter\endgroup%
2687 \expandafter\ifprimitive\csname#1\endcsname%
2688 \expandafter\@firstoftwo
2689 \else
2690 \expandafter\@secondoftwo
2691 \fi}

```



```

2692 \newcommand*{\bidi@csdefcs}[2]{%
2693 \expandafter\@ifdefinable \csname#1\endcsname{%
2694 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2695 \newcommand*{\bidi@csletcs}[2]{%
2696 \expandafter\@ifdefinable \csname#1\endcsname{%
2697 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2698 \newcommand*{\bidi@cslet}[2]{%
2699 \expandafter\@ifdefinable \csname#1\endcsname{%
2700 \expandafter\let\csname#1\endcsname#2}}
2701 \newcommand{\bidi@namelongdef}[1]{%
2702 \long\expandafter\def\csname #1\endcsname{
2703 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2704 \def\bidi@ensure@new@command#1{%
2705 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}}\endgroup
2706 \expandafter\if@bidi@csundef\@gtempa
2707 {\new@command#1}{\relax%
2708 \let\@ifdefinable\@rc@ifdefinable%
2709 \new@command#1}}
2710 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2711
2712 \protected\def\bidi@error{\PackageError{bidi}}
2713 \protected\def\bidi@warning{\PackageWarning{bidi}}
2714 \protected\def\bidi@info{\PackageInfo{bidi}}
2715
2716
2717 \newcommand*{\setbaselineskip}[1]{%
2718 \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
2719 \selectfont
2720 }
2721
2722
2723 \newcommand*{\bidi@newrobustcmd}{%
2724 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2725
2726 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2727
2728 \def\bidi@newcommand#1[#2]{%
2729 \@ifnextchar[%]
2730 {\bidi@xargdef#1[#2]}
2731 {\ifx\l@ngrel@x\relax
2732 \let\l@ngrel@x\protected
2733 \else
2734 \protected\def\l@ngrel@x{\protected\long}%
2735 \fi
2736 \@argdef#1[#2]}}
2737
2738 \long\def\bidi@xargdef#1[#2][#3]#4{%
2739 \@ifdefinable#1{%
2740 \expandafter\protected
2741 \expandafter\def

```



```

2742 \expandafter#1%
2743 \expandafter{%
2744   \expandafter\@testopt
2745   \csname\string#1\endcsname{#3}}%
2746 \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
2747
2748 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2749
2750 \def\bidi@renew@command#1{%
2751   \if@bidi@undef{#1}
2752     {\bidi@error{\string#1 undefined}\@ehc}
2753   }%
2754   \let\@ifdefinable\@rc@ifdefinable
2755   \bidi@new@command#1}
2756
2757
2758
2759 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2760
2761 \def\bidi@provide@command#1{%
2762   \if@bidi@undef{#1}
2763     {\def\reserved@a{\bidi@new@command#1}}
2764     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2765   \reserved@a}
2766
2767 \newcommand*{\bidi@csuse}[1]{%
2768   \ifcsname#1\endcsname
2769     \csname#1\expandafter\endcsname
2770   \fi}
2771
2772 \newcommand{\bidi@expandonce}[1]{%
2773   \unexpanded\expandafter{#1}}
2774
2775 \def\bidi@protected{%
2776   \let\@protect\protect
2777   \let\protect\@unexpandable@protect
2778   \afterassignment\restore@protect}
2779
2780 \bidi@newrobustcmd{\bidi@appto}[2]{%
2781   \if@bidi@undef{#1}
2782     {\edef#1{\unexpanded{#2}}}
2783     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2784 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2785   \if@bidi@undef{#1}
2786     {\edef#1{#2}}
2787     {\edef#1{\bidi@expandonce#1#2}}}}
2788 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2789   \if@bidi@undef{#1}
2790     {\xdef#1{\unexpanded{#2}}}
2791     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}

```



```

2792 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2793   \if@bidi@undef{#1}
2794     {\xdef#1{#2}}
2795     {\xdef#1{\bidi@expandonce#1#2}}}
2796
2797 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2798 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2799
2800
2801
2802 \bidi@newrobustcmd{\bidi@preto}[2]{%
2803   \if@bidi@undef{#1}
2804     {\edef#1{\unexpanded{#2}}}
2805     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2806 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2807   \if@bidi@undef{#1}
2808     {\edef#1{#2}}
2809     {\edef#1{#2\bidi@expandonce#1}}}
2810 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2811   \if@bidi@undef{#1}
2812     {\xdef#1{\unexpanded{#2}}}
2813     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2814 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2815   \if@bidi@undef{#1}
2816     {\xdef#1{#2}}
2817     {\xdef#1{#2\bidi@expandonce#1}}}
2818
2819 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2820 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2821
2822
2823
2824 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2825 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2826 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2827 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2828 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2829 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2830
2831
2832
2833 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2834 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2835 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2836 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2837 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2838 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2839
2840
2841

```



```

2842 \bidi@newrobustcmd{\if@bidi@patchable}{%
2843   \bidi@dbg@trce\if@bidi@patchable
2844   \begingroup
2845   \@makeoother\#%
2846   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2847
2848 \long\def\bidi@ifpatchable#1#2{%
2849   \endgroup
2850   \bidi@dbg@init#1%
2851   \if@bidi@undef{#1}
2852     {\bidi@dbg@fail{def}\@secondoftwo}
2853     {\bidi@dbg@info{def}%
2854       \if@bidi@defmacro{#1}
2855         {\bidi@dbg@info{mac}%
2856           \bidi@ifscanable{#1}
2857             {\bidi@ifhashcheck{#2}
2858               {\bidi@dbg@info{tok}%
2859                 \bidi@ifpattern#1{#2}
2860                 {\bidi@dbg@info{pat}%
2861                   \bidi@dbg@info{pos}\@firstoftwo}
2862                   {\bidi@dbg@fail{pat}\@secondoftwo}}}
2863               {\bidi@dbg@fail{hsh}\@secondoftwo}}
2864               {\bidi@dbg@fail{tok}\@secondoftwo}}
2865               {\bidi@dbg@fail{mac}\@secondoftwo}}}
2866
2867 \long\def\bidi@ifpatchable@i#1{%
2868   \endgroup
2869   \bidi@dbg@init#1%
2870   \if@bidi@undef{#1}
2871     {\bidi@dbg@fail{def}\@secondoftwo}
2872     {\bidi@dbg@info{def}%
2873       \if@bidi@defmacro{#1}
2874         {\bidi@dbg@info{mac}%
2875           \if@bidi@defparam{#1}
2876             {\bidi@dbg@info{prm}%
2877               \bidi@ifscanable{#1}
2878               {\bidi@dbg@info{tok}%
2879                 \bidi@dbg@info{pos}\@firstoftwo}
2880                 {\bidi@dbg@fail{tok}\@secondoftwo}}
2881               {\bidi@dbg@info{prl}%
2882                 \if@bidi@defprotected{#1}
2883                 {\bidi@dbg@info{pro}}
2884                 {}%
2885                 \bidi@dbg@info{pos}\@firstoftwo}}
2886               {\bidi@dbg@fail{mac}\@secondoftwo}}}
2887
2888 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2889   \bidi@dbg@trce\bidi@patchcmd
2890   \begingroup
2891   \@makeoother\#%

```



```

2892 \bidi@patchcmd}
2893
2894 \newcommand{\bidi@patchcmd}[4][#####1]{%
2895 \bidi@ifpatchable#2{#3}
2896 {\bidi@dbg@succ{ret}}%
2897 \begingroup
2898 \edef\bidi@resrvda{%
2899 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2900 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2901 \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2902 ####1\detokenize{#4}####2}%
2903 \edef\noexpand\bidi@resrvda{%
2904 \noexpand\bidi@resrvda\meaning#2&}}%
2905 \bidi@resrvda
2906 \bidi@patchcmd@scantoks\bidi@resrvda
2907 \let#2\bidi@resrvda
2908 \bidi@undef\bidi@resrvda
2909 \@firstoftwo}
2910 {\@secondoftwo}}
2911
2912 \def\bidi@patchcmd@scantoks#1{%
2913 \edef\bidi@resrvda{\endgroup
2914 \unexpanded{\makeatletter\scantokens}{#1}%
2915 \catcode\number`\@=\the\catcode`\@ \relax}%
2916 \bidi@resrvda}
2917
2918 \newcommand\bidi@isloaded[2][]{
2919 \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
2920 \expandafter\newif\csname if@bidi@#2loaded@\endcsname
2921 \fi
2922 \@ifpackageloaded{#2}
2923 {\csname @bidi@#2loaded@true\endcsname #1}
2924 {\csname @bidi@#2loaded@false\endcsname}}
2925
2926 \protected\def\bidi@ifscanable#1{%
2927 \begingroup
2928 \edef\bidi@resrvda{%
2929 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2930 ####1\def\string\bidi@resrvda####2{####3}}%
2931 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
2932 \bidi@resrvda
2933 \makeatletter
2934 \scantokens\expandafter{\bidi@resrvda}%
2935 \expandafter\endgroup\ifx#1\bidi@resrvda
2936 \expandafter\@firstoftwo
2937 \else
2938 \expandafter\@secondoftwo
2939 \fi}
2940
2941

```




```

2942 \protected\long\def\bid@ifhashcheck#1{%
2943   \begingroup
2944   \edef\bid@resrvda{\detokenize{#1}}%
2945   \expandafter\endgroup
2946   \expandafter\bid@ifhashcheck@i\meaning\bid@resrvda&}
2947
2948 \edef\bid@ifhashcheck@i#1{%
2949   \noexpand\expandafter
2950   \noexpand\bid@ifhashcheck@ii
2951   \noexpand\strip@prefix#1\string#\string#&}
2952
2953 \edef\bid@ifhashcheck@ii{%
2954   \def\noexpand\bid@ifhashcheck@ii##1\string#\string##2&{
2955   \bid@ifhashcheck@ii{\if@bid@blank{#2}}
2956
2957
2958 \protected\long\def\bid@ifpattern#1#2{%
2959   \begingroup
2960   \edef\bid@resrvda{%
2961     \def\noexpand\bid@resrvda####1\detokenize{#2}####2&{%
2962       \endgroup\noexpand\noexpand\noexpand\if@bid@blank{####2}}%
2963     \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda
2964       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
2965     \noexpand\bid@resrvda}
2966     \bid@resrvda\@secondoftwo\@firstoftwo}
2967
2968
2969 \newcommand{\if@bid@defparam}{%
2970 \long\edef\if@bid@defparam#1{%
2971   \noexpand\expandafter\noexpand\bid@ifdefparam
2972   \noexpand\meaning#1\detokenize{macro}:->&}
2973 \edef\bid@ifdefparam{%
2974   \def\noexpand\bid@ifdefparam##1\detokenize{macro}:##2->##3&{
2975   \bid@ifdefparam{\bid@notblank{#2}}
2976
2977
2978 \newcommand{\if@bid@defprotected}{%
2979 \long\edef\if@bid@defprotected#1{%
2980   \noexpand\expandafter\noexpand\bid@ifdefprotected
2981   \noexpand\meaning#1\string\protected&}
2982 \edef\bid@ifdefprotected{%
2983   \def\noexpand\bid@ifdefprotected##1\string\protected##2&{
2984   \bid@ifdefprotected{\bid@notblank{#2}}
2985
2986
2987 \bid@newrobustcmd{\bid@undef}[1]{\let#1\bid@undefined}
2988
2989 \let\bid@dbg@trce\@gobble
2990 \let\bid@dbg@init\@gobble
2991 \let\bid@dbg@info\@gobble

```



```

2992 \let\bididbg@succ\@gobble
2993 \let\bididbg@fail\@gobble
2994
2995
2996
2997 \bidi@newrobustcmd*{\bidi@apptocmd}{%
2998   \bidi@dbg@trce\bidi@apptocmd
2999   \begingroup
3000   \@makeother\#%
3001   \bidi@hooktocmd\bidi@append}
3002
3003
3004
3005 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3006   \bidi@dbg@trce\bidi@pretocmd
3007   \begingroup
3008   \@makeother\#%
3009   \bidi@hooktocmd\bidi@prepend}
3010
3011 \long\def\bidi@hooktocmd#1#2#3{%
3012   \endgroup
3013   \bidi@dbg@init#2%
3014   \if@bidi@undef{#2}
3015     {\bidi@dbg@fail{def}\@secondoftwo}
3016     {\bidi@dbg@info{def}%
3017       \if@bidi@defmacro{#2}
3018         {\bidi@dbg@info{mac}%
3019           \if@bidi@defparam{#2}
3020             {\bidi@dbg@info{prm}%
3021               \bidi@ifscanable{#2}
3022                 {\bidi@ifhashcheck{#3}
3023                   {\bidi@dbg@info{tok}%
3024                     \bidi@dbg@succ{ret}%
3025                     \bidi@hooktocmd@i#1#2{#3}%
3026                     \@firstoftwo}
3027                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
3028                 {\bidi@dbg@fail{tok}\@secondoftwo}}
3029             {\bidi@dbg@info{prl}%
3030               \if@bidi@defprotected{#2}
3031                 {\bidi@dbg@info{pro}%
3032                   \bidi@dbg@succ{red}%
3033                   \protected}
3034                 {\bidi@dbg@succ{red}}}%
3035             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3036             \@firstoftwo}}
3037     {\bidi@dbg@fail{mac}\@secondoftwo}}
3038
3039 \long\def\bidi@hooktocmd@i#1#2#3{%
3040   \begingroup
3041   \edef\bidi@resrvda{%

```



```

3042 \def\noexpand\bidiresrvda####1\detokenize{macro}:####2->####3&{%
3043   ####1\def\string\bidiresrvda\space####2{#1{####3}{\detokenize{#3}}}}%
3044 \edef\noexpand\bidiresrvda{%
3045   \noexpand\bidiresrvda\meaning#2&}}%
3046 \bidiresrvda
3047 \bidipatchcmd@scantoks\bidiresrvda
3048 \let#2\bidiresrvda
3049 \bididef\bidiresrvda}
3050
3051 \long\def\bidipatchcmd@append#1#2{#1#2}
3052 \long\def\bidipatchcmd@prepend#1#2{#2#1}
3053
3054 \bidinewrobustcmd*{\bidiatendpreamble}{\bidigappto\bidipatchcmd@append#1#2}
3055 \bidinewcommand*{\bidiatendpreamblehook}{\bidipatchcmd@prepend#1#2}
3056
3057 \bidipatchcmd@document{%
3058   \endgroup
3059   \let\bidiatendpreamble\@firstofone
3060   \bidipatchcmd@append#1#2
3061   \protected\def\bidiatendpreamble{\@notprerr@gobble}%
3062   \bididef\bidiatendpreamblehook
3063   \begingroup}
3064
3065 \bidinewrobustcmd*{\bidiafterpreamble}{\bidipatchcmd@append#1#2}
3066 \bidiatendpreamble{\let\bidiafterpreamble\@firstofone}
3067
3068 \bidinewrobustcmd*{\bidiafterendpreamble}{\bidigappto\bidipatchcmd@append#1#2}
3069 \bidinewcommand*{\bidiafterendpreamblehook}{\bidipatchcmd@prepend#1#2}
3070
3071 \bidipatchcmd@document{%
3072   \let\bidiafterendpreamble\@firstofone
3073   \bidipatchcmd@append#1#2
3074   \protected\def\bidiafterendpreamble{\@notprerr@gobble}%
3075   \bididef\bidiafterendpreamblehook
3076   \ignorespaces}
3077
3078 \bidiatenddocument{\let\bidiafterendpreamble\@gobble}
3079
3080 \bidinewrobustcmd*{\bidiafterenddocument}{\bidigappto\bidipatchcmd@append#1#2}
3081 \bidinewcommand*{\bidiafterenddocumenthook}{\bidipatchcmd@prepend#1#2}
3082
3083 \bidipatchcmd@enddocument
3084 {\deadcycles}
3085 {\let\bidiafterenddocument\@firstofone}
3086 \bidipatchcmd@append#1#2
3087 {\deadcycles}
3088 {}
3089 {\let\bidiafterenddocument\@gobble}
3090 \def\@gobble{%
3091   \let\bidiafterenddocument\@firstofone}

```



```

3092     \bidi@afterenddocumenthook
3093     \bidi@end}}
3094
3095 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3096   \bidi@csgappto{@bidi@begin@#1@hook}}
3097
3098 \bidi@patchcmd\begin
3099   {\csname #1\endcsname}
3100   {\bidi@csuse{@bidi@begin@#1@hook}%
3101     \csname #1\endcsname}
3102   {}
3103   {\bidi@warning{%
3104     Patching '\string\begin' failed!\MessageBreak
3105     '\string\bidi@AtBeginEnvironment' will not work@gobble}}
3106
3107
3108
3109 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3110   \bidi@csgappto{@bidi@end@#1@hook}}
3111
3112 \bidi@patchcmd\end
3113   {\csname end#1\endcsname}
3114   {\bidi@csuse{@bidi@end@#1@hook}%
3115     \csname end#1\endcsname}
3116   {}
3117   {\bidi@warning{%
3118     Patching '\string\end' failed!\MessageBreak
3119     '\string\bidi@AtEndEnvironment' will not work@gobble}}
3120
3121
3122
3123 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3124   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3125
3126 \bidi@pretocmd\begin
3127   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3128   {}
3129   {\bidi@warning{%
3130     Patching '\string\begin' failed!\MessageBreak
3131     '\string\bidi@BeforeBeginEnvironment' will not work@gobble}}
3132
3133
3134
3135 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3136   \bidi@csgappto{@bidi@afterend@#1@hook}}
3137
3138 \bidi@patchcmd\end
3139   {\if@ignore}
3140   {\bidi@csuse{@bidi@afterend@#1@hook}%
3141     \if@ignore}

```



```

3142 {}
3143 {\bidi@warning{%
3144     Patching '\string\end' failed!\MessageBreak
3145     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3146
3147 \chardef\bidi@backslash`\\
3148 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
3149
3150 % anonymous control sequences
3151 \newcount\bidi@tempcountb
3152 \newtoks\bidi@temptoksa
3153 \newtoks\bidi@temptoksb
3154
3155 % Catcode (re)storing
3156 %
3157 \def\bidi@storecatcode#1%
3158     {\escapechar\m@ne
3159     \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3160     {\catcode`\string#1=
3161     \the\catcode\expandafter`\string#1}%
3162     \catcode\expandafter`\string#1=12\relax
3163     \escapechar`\\relax}
3164 \def\bidi@restorecatcode#1%
3165     {\escapechar\m@ne
3166     \csname bidi@restorecatcode\string#1\endcsname
3167     \escapechar`\\relax}
3168
3169 % Construct a control sequence inside \edef
3170 %
3171 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3172
3173 % Construct a control sequence out of #2, and give it to #1
3174 %
3175 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
3176
3177 % Pick an escapecharacter
3178 % this presumes that its argument is a character.
3179 %
3180 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3181
3182 % Equality of strings.
3183 % the fast approach: does not work in expansion-only environment.
3184 %
3185 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
3186     \ifx\bidi@eqs@a\bidi@eqs@b}
3187
3188 % Test by expansion only
3189 %
3190 \def\bidi@EqualStringX#1#2{00\fi
3191     \csname if\bidi@EqualStringX#1&#2&\endcsname}

```



```

3192 \def\@bidi@EqualStringX#1#2$#3#4${\ifx#1#3%
3193     \ifx#1&true\else\@bidi@hop@ES\@bidi@EqualStringX#2$#4$\fi
3194     \else false\fi}
3195 \def\@bidi@hop@ES#1\fi#2\fi{\fi\fi#1}
3196
3197 % Lexicographic ordering
3198 % note the use of \def
3199 % also note the characters 0,127,255 that are used,
3200 % these are not supposed to appear in the strings
3201 %
3202 {\catcode0=12 \catcode255=12 \catcode127=12
3203 \gdef\@bidi@StringBeforeNC#1#2{00\fi
3204   \@bidi@CharsBefore#1^^@^^?#2^^ff^^?}%
3205 \gdef\@bidi@CharsBeforeNC#1#2^^?#3#4^^?{%
3206   \ifcat#1\relax\def\@bidi@next{\@bidi@CharsBefore#2^^@^^?#3#4^^ff^^?}%
3207   \else\ifcat#3\relax\def\@bidi@next{\@bidi@CharsBefore#1#2^^@^^?#4^^ff^^?}%
3208   \else\ifnum\lccode`#1<\lccode`#3
3209     \def\@bidi@next{\csname iftrue\endcsname}%
3210   \else\ifnum\lccode`#1>\lccode`#3
3211     \def\@bidi@next{\csname iffalse\endcsname}%
3212   \else\def\@bidi@next{\@bidi@CharsBefore#2^^?#4^^?}%
3213   \fi \fi \fi \fi
3214   \@bidi@next}
3215 \gdef\@bidi@StringBefore#1#2{00\fi
3216   \@bidi@CharsBefore#1^^@^^?#2^^ff^^?}%
3217 \gdef\@bidi@CharsBefore#1#2^^?#3#4^^?{%
3218   \ifnum`#1<`#3
3219     \def\@bidi@next{\csname iftrue\endcsname}%
3220   \else\ifnum`#1>`#3
3221     \def\@bidi@next{\csname iffalse\endcsname}%
3222   \else\def\@bidi@next{\@bidi@CharsBefore#2^^?#4^^?}%
3223   \fi\fi
3224   \@bidi@next}
3225 }
3226
3227 % Null argument test
3228 %
3229 \def\@bidi@empty{}
3230 \def\@bidi@ifempty#1{00\fi\expandafter\ifx\csname bidi@#1@null\endcsname\@bidi@null}
3231 \def\@bidi@ifemptyX#1{\expandafter\ifx\csname bidi@#1@null\endcsname\@bidi@null}
3232 %\def\@bidi@ifempty#1{\def\@bidi@cs@a{#1}\ifx\@bidi@cs@a\@bidi@empty}
3233 \def\@bidi@IsEmptyList#1{00\fi\def\@bidi@cs@a{#1}\ifx\@cs@a\@bidi@empty}
3234
3235 % Next character test
3236 %
3237 \def\@bidi@NextChar#1#2#3{00\fi
3238   \let\@bidi@nxt@ch#1\def\@bidi@nxt@a{#2}\def\@bidi@nxt@b{#3}%
3239   \futurelet\@bidi@nxt@c\@bidi@ifnxtc}
3240 \def\@bidi@ifNextChar#1#2#3{%
3241   \let\@bidi@nxt@ch#1\def\@bidi@nxt@a{#2}\def\@bidi@nxt@b{#3}%

```



```

3242 \futurelet\bidixnxt@c\@bidixfnxtc}
3243 \def\@bidixfnxtc{\ifx\bidixnxt@c\bidixnxt@c \expandafter\bidixnxt@a
3244 \else \expandafter\bidixnxt@b \fi}
3245
3246 % Test for defined-ness of string as control sequence.
3247 % works inside \edef
3248 %
3249 \def\bidixundefinedcs#1{00\fi\bidixcsarg\ifx{#1}\relax}
3250
3251 % Define uniquely defined dummy macros,
3252 % usually to serve as bumper blocks at the end of a list
3253 %
3254 \newcount\bidixdummies
3255 \def\DefNewDummy#1{
3256 \if\bidixundefinedcs{#1}\bidixcsarg\edef{#1}{\bidixdum\the\bidixdummies}
3257 \advance\bidixdummies\@ne
3258 \else
3259 \bidixerror{Attempt at second definition of `#1'}
3260 \fi}
3261
3262 % string case statement
3263 % use: \bidixswitch \iftest{...} in:
3264 % item1 action1
3265 % ...
3266 % itemn actionn
3267 % default defaultaction [optional]
3268 % \endbidixswitch
3269 % inspired by Jonathan Fine: Some Basic Control Macros
3270 % Tugboat 12 #4
3271 %
3272 \let\@bidixfi\fi \let\endbidixswitch\relax \DefNewDummy{\bidixdefault}
3273 \def\bidixswitch@exit #1 \@bidixfi #2 \endbidixswitch {\fi #1}
3274 \def\bidixswitch #1#2#3{\bidixcsarg\ifx{#2}\bidixdefault\bidixswitch@exit #3 \@bidixfi
3275 #1{#2}\bidixswitch@exit #3 \@bidixfi
3276 \bidixswitch {#1}
3277 }
3278 % this version puts the test object in {}
3279 \def\bidixoswitch #1 in: #2 #3; {\bidixcsarg\ifx{#2}\bidixdefault\bidixswitch@exit #3 \@bidixfi
3280 #1{#2}\bidixswitch@exit #3 \@bidixfi
3281 \bidixswitch #1 in:
3282 }
3283 % this version assumes that the test object is just one character
3284 \def\bidixcswitch #1 in: #2 #3; {\bidixcsarg\ifx{#2}\bidixdefault\bidixswitch@exit #3 \@bidixfi
3285 #1#2\bidixswitch@exit #3 \@bidixfi
3286 \bidixcswitch #1 in:
3287 }
3288 % this version assumes that the test object can have an optional space
3289 \def\bidixbswitch #1 in: #2 #3; {\bidixcsarg\ifx{#2}\bidixdefault\bidixswitch@exit #3 \@bidixfi
3290 #1#2 \bidixswitch@exit #3 \@bidixfi
3291 \bidixbswitch #1 in:

```



```

3292 }
3293 % this version can cope with significant spaces at the start of #3;
3294 % #2 is macro argument
3295 \def\bidimswitch #1 in: #2:#3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3296 #1{#2}\bidi@switch@exit #3 \@bidi@fi
3297 \bidimswitch #1 in:
3298 }
3299 % idem; #2 does not have to be enclosed in braces
3300 \def\bidi@fswitch #1 in: #2:#3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3301 #1#2 \bidi@switch@exit #3 \@bidi@fi
3302 \bidi@fswitch #1 in:
3303 }
3304
3305 % Routines for taking the value of a string:
3306 % if the string is defined as control sequence
3307 % take the value of that, otherwise take the string itself
3308
3309 % String or value of control sequence
3310 %
3311 \def\bidicw@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3312
3313 % String or control sequence
3314 %
3315 \def\@bidicww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3316
3317 % String or \noexpand-ed control sequence;
3318 % for use in \edef
3319 %
3320 \newif\ifbidi@in@label
3321 \def\@bidicw@w#1{\if\bidi@undefinedcs{#1}#1\else
3322 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3323 \newtoks\bidi@are@these@correct
3324 \def\bidi@t@w@w#1{%
3325 \if\bidi@undefinedcs{#1}#1%
3326 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1}\fi
3327 \else
3328 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3329
3330 % List Manipulation .....
3331 % this assumes that #1 is a list of tokens, #2 is the name of a list
3332 %
3333 % Names of lists (and of items to pop into) are given as strings;
3334 % not as control sequences.
3335 %
3336 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
3337 % basic append/prepend macro
3338 \long\def\@bidi@append@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3339 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@
3340 \long\def\@bidi@prepend@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3341 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista\

```




```

3342 \def\@bidi@append@to@list{\bidi@csarg\@bidi@append@to@cslst}
3343 % variations:
3344 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
3345 \def\bidi@append@list@to@list#1#2{%
3346   \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\endcsname}}
3347 \def\bidi@append@cslst@to@cslst#1#2{%
3348   \@bidi@append@to@cslst{#1}\expandafter{\the#2}}
3349 \def\bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
3350
3351 \let\bidi@willbeunhskip\unhskip
3352
3353 % A few list macros for the user
3354 \def\NewList:#1 {\bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3355 \def\EmptyList:#1 {\global\csname#1\endcsname{}}
3356 \long\def\AppendToList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
3357 \def\TheList:#1 {\let\bidi@oldwbuskip\bidi@willbeunhskip \let\bidi@willbeunhskip\@empty
3358   \if\bidi@undefinedcs{#1}\bidi@error{List <#1> undefined}
3359   \else\bidi@csarg\the{#1}\fi
3360   \let\bidi@willbeunhskip\bidi@oldwbuskip}
3361
3362 \def\bidi@del@tok@from@list#1#2{\begingroup
3363   \long\def\bidi@cs@liste##1#2##2\bidi@tok@SM
3364     {\bidi@toks@lista{##1}\bidi@toks@listb{##2}}%
3365     \edef\bidi@cs@listb{\global\bidi@csname{#1}=
3366       {\the\bidi@toks@lista\the\bidi@toks@listb}}%
3367     \bidi@cs@listb}%
3368   \edef\bidi@cs@lista{\noexpand\bidi@cs@liste}\expandafter\the\csname#1\endcsname\noexpand
3369   \bidi@cs@lista \endgroup}
3370 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3371   \bidi@in@front@of@cslst\bidi@cs@lista}
3372 \long\def\bidi@in@front@of@cslst#1#2{\begingroup\bidi@toks@lista={#2}%
3373   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista}
3374   \endgroup}
3375 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
3376   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3377     {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3378       \expandafter\the\csname#1\endcsname}%
3379   }
3380 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3381   \bidi@set@cslst\bidi@cs@lista}
3382 \long\def\bidi@set@cslst#1#2{\begingroup\bidi@toks@lista={#2}%
3383   \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
3384
3385 %%%%%%%%%%%%%%% Stack macros
3386 %
3387 % push in terms of prepending of lists
3388 \def\bidi@push@cs@onto@cs#1#2{\@bidi@prepend@to@cslst#1\expandafter{\expandafter\\expandafter
3389 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@cs{#1}}
3390 \def\bidi@push@onto@cs#1#2{\@bidi@prepend@to@cslst#1}{\{#2}}
3391 \def\bidi@local@push@onto#1#2{\let\=\relax

```



```

3392 \bidi@local@in@front@of@list{#1}{\{#2}}
3393 % pop via auxiliary macro: #1 is result, #2 is stack
3394 % two cs arguments
3395 \def\bidi@pop@cs@into#1#2{\edef\bidi@cs@e
3396 {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
3397 % two string arguments
3398 \def\bidi@pop@into#1#2{\edef\bidi@cs@e
3399 {\noexpand\@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@bidi@
3400 \long\def\@bidi@popinto#1#2\#3#4\@bidi@pop{#1{#3}#2{#4}}
3401 \def\bidi@copy@stacktop#1#2{%
3402 \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
3403 {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
3404 \bidi@cs@e}
3405 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
3406 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
3407 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
3408 \def\bidi@length@of@csstack#1{\def\##1{\advance\bidi@stack@length\@ne}%
3409 \bidi@stack@length\m@ne \the#1}
3410 % turn a stack upside down
3411 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
3412 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
3413 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3414 \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\m@ne
3415 \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
3416 % \bidi@append@clist@to@clist\bidi@temptoksb\bidi@temptoksa% append a to b
3417 % \bidi@temptoksa\bidi@temptoksb
3418 \repeat% copy b to a
3419 #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3420 % invert a stack into a list
3421 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
3422 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
3423 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3424 \bidi@pop@into{\bidi@temptoksb}{#1}\advance\bidi@stack@length\m@ne
3425 \bidi@append@list@to@list{\bidi@temptoksb}{\bidi@temptoksa}\repeat
3426 \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3427
3428
3429 % General loop macro:
3430 % \looprepeat
3431 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3432 % \untilcondition{<cond>} \whilecondition{<cond>}
3433 % \doloopbody { <loop body> }
3434 % where all control sequences in between \looprepeat and \doloopbody are optional.
3435 %
3436 % var: characters to form a control sequence;
3437 % after \forvariable{index} you can access the loop counter as \index.
3438 % This is a count register; to print it use \number\index.
3439 % start,step,end: integers with obvious relations to the loop counter;
3440 % start and step have a default value of 1
3441 % cond: (sequence of commands ending in) any TeX \if... test.

```



```

3442 %
3443 % Count down instead of up with \downtovalue; the increment given in \bystep
3444 % is always positive, and is added or subtracted accordingly.
3445 %
3446 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3447 % at the beginning of the loop body.
3448 %
3449 % Exit from middle of loop: \breaklooprepeat
3450 % use this at any place in the loop; in case of a conditional use
3451 % \ifsomething ... \expandafter \breaklooprepeat \fi
3452 %
3453 % Note that the line ends do not cause spaces in the output.
3454 %
3455 % Technical details:
3456 % The loop body is not executed in a group: the braces are those
3457 % of a token list.
3458 % The 'forvariable' variable is \let to a \count register.
3459
3460
3461
3462 % Auxiliary stuff
3463 \def\bidilooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3464 \def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
3465 \def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@depth\endcsname}
3466
3467 \newcount\bidilooprepeat@depth
3468 \let\endlooprepeat\relax \def\bidicsprotect{}
3469 % Trace switches may later be defined by PAC_utils
3470 \let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
3471
3472 % Main repeatloop macro
3473 % - go to next level and allocate unique counter/toks if this is the
3474 % first time we visit this level
3475 % - setup: gather bounds and termination conditions
3476 % - scoop up body in token list; after the assignment define and
3477 % execute body
3478 \def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
3479 \advance\bidilooprepeat@depth\@ne\relax
3480 \bidilooprepeat@csargromannumeral\ifx\bidilooprepeat@count\relax
3481 \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}\bidilooprepeat@count
3482 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@toks
3483 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@toks
3484 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@toks
3485 \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{}\def\bidilooprepeat@comp{>}\bidilooprepeat@comp
3486 \edef\bidilooprepeat@tmp
3487 {\def\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@looprepeat}\bidilooprepeat@tmp
3488 \afterassignment\bidilooprepeat@dxbody\bidilooprepeat@csromannumeral\bidilooprepeat@toks
3489
3490 % Define and execute loop body
3491 % This is done with an \edef to construct the actual sequence

```



```

3492 \def\bidilooprepeat@dxbody{\bidilooprepeat@csargromannumeral\edef{\bidilooprepeat@body}{%
3493   \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}%
3494   \noexpand\the\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@toks}%
3495   \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@utest}%
3496   \global\bidilooprepeat@csargromannumeral\advance{\bidilooprepeat@count} by \bidilooprepeat@dx
3497   \noexpand\endlooprepeat
3498   \bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}}}%
3499 \bidilooprepeat@csromannumeral{\bidilooprepeat@body}\ignorespaces}
3500
3501 % Stop test
3502 %% In order to stop, issue a
3503 % \breaklooprepeat which scoops up the rest of the body and exits
3504 \def\breaklooprepeat#1\endlooprepeat{\bidilooprepeat@zero\bidilooprepeat@csargromannumeral\
3505   \advance\bidilooprepeat@depth\m@ne \bidilooprepeat@traceexit
3506 }
3507
3508
3509 % Setup
3510 % gather bounds and termination conditions
3511 \def\bidilooprepeat@setup#1{%
3512   \begingroup
3513     \def\forvariable##1{%
3514       \edef\bidilooprepeat@tmp{%
3515         \global\let\bidilooprepeat@csarg\noexpand{##1}\bidilooprepeat@csromannumeral{\bidilooprepeat@csargromannumeral}%
3516         \bidilooprepeat@tmp}%
3517       \def\fromvalue##1{\bidilooprepeat@csargromannumeral\global{\bidilooprepeat@count}##1\ignorespaces}%
3518       \def\tovalue##1{%
3519         \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@csargromannumeral}%
3520           {\bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}%
3521           \noexpand\ifnum\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@count}\bidilooprepeat@csargromannumeral}%
3522           \noexpand\expandafter \noexpand\breaklooprepeat
3523           \noexpand\fi}\ignorespaces}%
3524       \bidilooprepeat@tmp}%
3525       \def\downtovalue##1{%
3526         \gdef\bidilooprepeat@sign{-}\gdef\bidilooprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3527       \def\bystep##1{\ifnum##1<0 \bidilooprepeat@error{LOOPREPEAT: increment has to be a positive value}\else
3528         \bidilooprepeat@csargromannumeral\gdef{\bidilooprepeat@inc}{-##1}\else
3529         \bidilooprepeat@csargromannumeral\gdef{\bidilooprepeat@inc}{##1}\fi\ignorespaces}%
3530       \def\untilcondition##1{%
3531         \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@csargromannumeral}%
3532           {\noexpand##1\relax
3533           \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3534       \bidilooprepeat@tmp}%
3535       \def\whilecondition##1{%
3536         \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@csargromannumeral}%
3537           {\noexpand##1\relax \noexpand\else
3538           \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3539       \bidilooprepeat@tmp}%
3540       \fromvalue{\@ne}\bystep{\@ne}#1%
3541     \endgroup}

```



```

3542 \def\bidilooptrepeat@zero
3543   {\bidilooptrepeat@csromannumeral{\bidilooptrepeat@toks}{}}\bidilooptrepeat@csromannumeral{\bi
3544     \bidilooptrepeat@csargromannumeral\def{\bidilooptrepeat@body}{}}
3545
3546 %\tracingmacros2
3547 %\newcount\tmpcount % used in some examples below
3548
3549 %\looptrepeat \forvariable{i}
3550 %      \bystep{2}
3551 % \doloopbody {%
3552 %      \ifnum i=13 \expandafter\breaklooptrepeat \fi
3553 %      \number{i}} %
3554 %}%
3555
3556 %\looptrepeat \forvariable{iii}
3557 %      \tovalue{8}
3558 % \doloopbody {}
3559 %After loop: \number{iii}%
3560
3561 %\looptrepeat \forvariable{i}
3562 %      \fromvalue{10}
3563 %      \bystep{2}
3564 %      \downtovalue{0}
3565 % \doloopbody {\number{i}} }
3566
3567 %\looptrepeat \forvariable{x} \whilecondition{\ifnum x<7}
3568 % \doloopbody {\number{x}} }
3569
3570 %\looptrepeat \tovalue{3} \doloopbody {Hello world! }
3571
3572 %\looptrepeat \forvariable{j}
3573 %      \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3574 % \doloopbody {\number{j}} }
3575
3576 %\looptrepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3577 % {\looptrepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3578 % \doloopbody {(\number{i}.\number{j}) }
3579 % }
3580
3581 % infinite loop
3582 %\looptrepeat \doloopbody {}
3583
3584 \CheckCommand{\InputIfFileExists}[2]{%
3585   \IfFileExists{#1}%
3586     {#2\@addtofilelist{#1}\@input \@filef@und}}
3587
3588 \renewcommand{\InputIfFileExists}[2]{%
3589   \begingroup\expandafter\expandafter\expandafter\endgroup
3590   \expandafter\ifx\csname #1-\@bidialias\endcsname\relax
3591     \expandafter\@secondoftwo

```



```

3592 \else
3593 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3594 \expandafter\@firstoftwo
3595 \fi
3596 {%
3597 \expandafter\InputIfFileExists\expandafter{\csname
3598 #1-@bidi@alias\endcsname}{#2}%
3599 }%
3600 {\IfFileExists{#1}{%
3601 \bidi@load@hook{before}{#1}%
3602 #2\@addtofilelist{#1}%
3603 \@@input \@filef@und
3604 \bidi@load@hook{after}{#1}%
3605 }}%
3606 }
3607
3608 \newcommand*{\bidi@loadwithoptions}{%
3609 \newcommand*{\bidi@loadwithoptions}{%
3610 \let\bidi@loadwithoptions\loadwithoptions
3611
3612 \renewcommand*{\@loadwithoptions}[3]{%
3613 \begingroup\expandafter\expandafter\expandafter\endgroup
3614 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3615 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3616 \else
3617 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3618 \def\bidi@loadwithoptions{%
3619 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3620 }%
3621 \fi
3622 \bidi@loadwithoptions
3623 }
3624
3625 \newcommand*{\bidi@onefilewithoptions}{%
3626 \let\bidi@onefilewithoptions\onefilewithoptions
3627 \def\@onefilewithoptions#1[#2][#3]#4{%
3628 \begingroup\expandafter\expandafter\expandafter\endgroup
3629 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3630 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3631 \else
3632 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3633 \edef\bidi@onefilewithoptions{%
3634 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3635 \fi
3636 \bidi@onefilewithoptions[#2][#3]{#4}%
3637 \bidi@load@hook{lateafter}{#1.#4}%
3638 }
3639
3640 \newcommand*{\bidi@ReplaceInput}[2]{%
3641 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%

```



```

3642 }
3643
3644 \newcommand*{\@bidi@UnReplaceInput}[1]{%
3645   \ifcsname #1-@bidi@alias\endcsname
3646     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3647   \fi
3648 }
3649
3650 \newcommand*{\@bidi@replacefilewithtext}[3]{%
3651   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3652 }
3653 \newcommand*{\@bidi@ReplacePackage}[2]{%
3654   \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
3655 }
3656 \newcommand*{\@bidi@ReplaceClass}[2]{%
3657   \@bidi@replacefilewithtext{#1}{#2}\@clsextension
3658 }
3659 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
3660   \ifcsname #1.#2-@bidi@aliasname\endcsname
3661     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3662   \fi
3663 }
3664 \newcommand*{\@bidi@UnReplacePackage}[1]{%
3665   \@bidi@unreplacefilewithtext{#1}\@pkgextension
3666 }
3667 \newcommand*{\@bidi@UnReplaceClass}[1]{%
3668   \@bidi@unreplacefilewithtext{#1}\@clsextension
3669 }
3670 \newcommand*{\@bidi@replacefile@msg}[2]{%
3671   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3672 }
3673
3674 \newcommand*{\@bidi@load@hook}[2]{%
3675   \@ifundefined{#2-@#1}{}%
3676     \@nameuse{#2-@#1}%
3677     \expandafter\let\csname #2-@#1\endcsname=\relax}}
3678 \newcommand*{\@bidi@set@load@hook}[2]{%
3679   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{}%
3680   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3681 \newcommand*{\@bidi@BeforeFile}{\@bidi@set@load@hook{before}}
3682 \newcommand*{\@bidi@AfterFile}{\@bidi@set@load@hook{after}}
3683 \newcommand*{\@bidi@BeforeClass}[1]{%
3684   \@bidi@set@load@hook{before}{#1.\@clsextension}}
3685 \newcommand*{\@bidi@AfterClass}{%
3686   \@ifstar {\@s@bidi@AfterClass}{%
3687     \@ifnextchar +\@@bidi@AfterClass{%
3688       \@ifnextchar !\@@@bidi@AfterClass\@bidi@AfterClass
3689     }%
3690   }%
3691 }

```



```

3692
3693 \newcommand*{\@@@bidi@AfterClass}[2]{%
3694   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3695     \aftergroup\@s@bidi@AfterClass
3696   \else
3697     \aftergroup\bidi@AfterAtEndOfClass
3698   \fi
3699 \endgroup{#2}%
3700 }
3701
3702 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3703   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3704 \newcommand*{\@@bidi@AfterClass}[2]{%
3705   \begingroup
3706     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3707       \aftergroup\@s@bidi@AfterClass
3708     \else
3709       \aftergroup\@bidi@AfterClass
3710     \fi
3711   \endgroup{#2}%
3712 }
3713
3714 \newcommand*{\@bidi@AfterClass}[1]{%
3715   \bidi@set@load@hook{after}{#1.\@clsextension}}
3716 \newcommand*{\@s@bidi@AfterClass}[1]{%
3717   \begingroup
3718     \@ifclassloaded{#1}{%
3719       \aftergroup\@secondoftwo
3720     }{%
3721       \aftergroup\@bidi@AfterClass
3722     }%
3723   \endgroup
3724   {#1}%
3725 }
3726
3727
3728 \newcommand*{\bidi@BeforePackage}[1]{%
3729   \bidi@set@load@hook{before}{#1.\@pkgextension}}
3730 \newcommand*{\bidi@AfterPackage}{%
3731   \@ifstar {\@s@bidi@AfterPackage}{%
3732     \@ifnextchar +\@@bidi@AfterPackage{%
3733       \@ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
3734     }%
3735   }%
3736 }
3737 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3738   \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3739     \aftergroup\@s@bidi@AfterPackage
3740   \else
3741     \aftergroup\bidi@AfterAtEndOfPackage

```




```

3742 \fi
3743 \endgroup{#2}%
3744 }
3745 \newcommand*{\@bidi@AfterAtEndOfPackage}[1]{%
3746 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3747 \newcommand*{\@@bidi@AfterPackage}[2]{%
3748 \begingroup
3749 \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3750 \aftergroup\@s@bidi@AfterPackage
3751 \else
3752 \aftergroup\@bidi@AfterPackage
3753 \fi
3754 \endgroup{#2}%
3755 }
3756 \newcommand*{\@bidi@AfterPackage}[1]{%
3757 \bidi@set@load@hook{after}{#1.\@pkgextension}}
3758 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3759 \begingroup
3760 \@ifpackageloaded{#1}{%
3761 \aftergroup\@secondoftwo
3762 }{%
3763 \aftergroup\@bidi@AfterPackage
3764 }%
3765 \endgroup
3766 {#1}%
3767 }
3768
3769 \newcommand*{\bidi@excludedpackages}{}
3770 \let\bidi@excludedpackages\@empty
3771 \newcommand*{\bidi@saved@RequirePackage}{}
3772 \newcommand*{\bidi@PreventPackageFromLoading}{%
3773 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3774 {\@bidi@PreventPackageFromLoading\PackageWarning}%
3775 }
3776 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3777 \@ifnextchar [%]
3778 {\@@bidi@PreventPackageFromLoading#1}{\@@bidi@PreventPackageFromLoading#1[]}%
3779 }
3780 \newcommand*{\@@bidi@PreventPackageFromLoading}{}
3781
3782 \def\@@bidi@PreventPackageFromLoading#1[#2]#3{%
3783 \edef\reserved@b{\zap@space#3 \@empty}%
3784 \ifx \reserved@b\@empty
3785 #1{biditytools}{%
3786 \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3787 argument ignored%
3788 }%
3789 \else
3790 \ifx\bidi@excludedpackages\@empty
3791 \let\bidi@saved@RequirePackage\RequirePackage

```



```

3792 \let\RequirePackage\bidirequirepackage
3793 \def\reserved@a##1##{%
3794   \@latex@error
3795   {\noexpand \usepackage before \string\documentclass}%
3796   {\noexpand \usepackage may only appear in the document
3797    preamble, i.e.,\MessageBreak
3798    between \noexpand\documentclass and
3799    \string\begin{document}.}%
3800   \@gobble}%
3801 \ifx\reserved@a\usepackage\else
3802 \ifx\usepackage\bidirequirepackage\else
3803 \PackageWarning{biditools}{%
3804   Maybe serious problem: unexpected definition of\MessageBreak
3805   \string\usepackage
3806   }%
3807 \fi
3808 \let\usepackage\RequirePackage
3809 \fi
3810 \fi
3811 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3812 \reserved@b\do {%
3813   \ifx\reserved@a\@empty
3814     #1{biditools}{%
3815       empty package argument for
3816       \string\bidirequirepackage\MessageBreak
3817       ignored%
3818     }%
3819   \else
3820     \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3821       #1{biditools}{%
3822         package `'\reserved@a' already loaded.\MessageBreak
3823         Cannot prevent it from being loaded%
3824       }%
3825     }{%
3826       \edef\bidirexcludedpackages{\bidirexcludedpackages,%
3827         \reserved@a}%
3828       \if\relax\detokenize{#2}\relax\else
3829         \@ifundefined{bidirexclude@package@\reserved@a @do}{%
3830           \@namedef{bidirexclude@package@\reserved@a @do}{%
3831             }%
3832           \expandafter\def
3833             \csname bidirexclude@package@\reserved@a
3834             @do\expandafter\expandafter\expandafter\endcsname
3835             \expandafter\expandafter\expandafter{%
3836               \csname bidirexclude@package@\reserved@a @do\endcsname
3837               #2%
3838             }%
3839         \fi
3840       }%
3841     \fi

```



```

3842 }%
3843 \ifx\bidix\excludedpackages\empty
3844 \bidixResetPreventPackageFromLoading
3845 \fi
3846 \fi
3847 }
3848
3849 \@onlypreamble\bidixPreventPackageFromLoading
3850 \newcommand*{\bidixResetPreventPackageFromLoading}{%
3851 \let\bidix\excludedpackages\empty
3852 \ifx\RequirePackage\bidixRequirePackage
3853 \ifx\usepackage\RequirePackage
3854 \let\usepackage\bidixsavedRequirePackage
3855 \fi
3856 \let\RequirePackage\bidixsavedRequirePackage
3857 \fi
3858 }
3859 \@onlypreamble\bidixResetPreventPackageFromLoading
3860 \newcommand*{\bidixStorePreventPackageFromLoading}[1]{%
3861 \let#1\bidix\excludedpackages
3862 }
3863 \@onlypreamble\bidixStorePreventPackageFromLoading
3864 \newcommand*{\bidixUnPreventPackageFromLoading}{%
3865 \@ifstar {\@tempswatrue\@bidixUnPreventPackageFromLoading}%
3866 {\@tempswafalse\@bidixUnPreventPackageFromLoading}%
3867 }
3868
3869 \newcommand*{\@bidixUnPreventPackageFromLoading}[1]{%
3870 \edef\reserved@b{\zap@space#1 \empty}%
3871 \if@tempswa
3872 \@for\reserved@a:=\reserved@b\do {%
3873 \ifx\reserved@a\empty \else
3874 \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
3875 \expandafter\let
3876 \csname bidi@exclude@package@\reserved@a @do\endcsname
3877 \undefined
3878 \fi
3879 \fi
3880 }%
3881 \fi
3882 \ifcsname bidi@excludedpackages\endcsname
3883 \let\reserved@a\bidix\excludedpackages
3884 \let\bidix\excludedpackages\empty
3885 \expandafter\@for\expandafter\reserved@c
3886 \expandafter:\expandafter=\reserved@a
3887 \do{%
3888 \ifx\reserved@c\empty\else
3889 \@expandtwoargs\in@{\reserved@c,}{\reserved@b,}%
3890 \ifin@
3891 \else

```



```

3892         \edef\bidix@excludedpackages{%
3893             \bidix@excludedpackages,\reserved@c
3894         }%
3895     \fi
3896 \fi
3897 }%
3898 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
3899 \fi
3900 }
3901
3902
3903 \newcommand*{\bidix@RequirePackage}[2][{}]{%
3904     \let\reserved@c\@empty
3905     \let\reserved@d\@empty
3906     \edef\reserved@b{\zap@space#2 \@empty}%
3907     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3908     \do {%
3909         \begingroup
3910         \@tempswatrue
3911         \@for\reserved@a:=\bidix@excludedpackages\do {%
3912             \ifx\reserved@a\reserved@b
3913                 \@tempswafalse
3914             \fi
3915         }%
3916         \if@tempswa
3917             \xdef\reserved@c{\reserved@c,\reserved@b}%
3918         \else
3919             \ifx\reserved@b\@empty\else
3920                 \PackageInfo{biditools}{Excluding package `\'reserved@b'\MessageBreak
3921                     from loading}%
3922                 \@ifundefined{bidix@exclude@package@\reserved@b @do}{%
3923                     }{%
3924                         \expandafter\g@addto@macro\expandafter\reserved@d
3925                         \csname bidix@exclude@package@\reserved@b @do\endcsname
3926                     }%
3927             \fi
3928         \fi
3929     \endgroup
3930 }%
3931 \ifx\reserved@c\@empty
3932     \let\reserved@a\bidix@gobbleopt
3933 \else
3934     \edef\reserved@a{\noexpand\bidix@savex@RequirePackage[#1]{%
3935         \expandafter\@gobble\reserved@c\@empty}}%
3936 \fi
3937 \expandafter\reserved@d
3938 \reserved@a
3939 }
3940
3941 \newcommand{\bidix@gobbleopt}[1][{}]{%

```



```

3942 \AtEndDocument{%
3943   \let\bidisaved@checkend=\@checkend
3944   \renewcommand*{\@checkend}[1]{%
3945     \def\reserved@a{#1}\def\reserved@b{document}%
3946     \bidisaved@checkend{#1}%
3947     \ifx\reserved@a\reserved@b
3948       \let\bidisaved@clearpage=\clearpage
3949       \renewcommand*{\clearpage}{\bidisaved@clearpage
3950         \bidi@hook@bcma
3951         \bidi@restore@newpage
3952         \let\clearpage=\bidisaved@clearpage}%
3953     \fi%
3954     \let\bidisaved@dofilelist\@dofilelist
3955     \def\@dofilelist{%
3956       \bidi@hook@acma
3957       \let\@dofilelist\bidisaved@dofilelist
3958       \bidisaved@dofilelist
3959     }%
3960   }%
3961 }
3962
3963
3964 \newcommand*{\bidisaved@checkend}{%}
3965 \newcommand*{\bidisaved@dofilelist}{%}
3966 \newcommand*{\bidisaved@newpage}{%
3967   \let\bidisaved@newpage\newpage
3968   \def\bidi@restore@newpage{%
3969     \renewcommand*{\newpage}{%
3970       \PackageWarningNoLine{%
3971         biditools%
3972       }{%
3973         \string\newpage\space at main aux file!\MessageBreak
3974         You have output material at the main aux file.\MessageBreak
3975         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3976         are processed before the output from aux file%
3977       }%
3978       \let\newpage\bidisaved@newpage
3979       \newpage
3980     }%
3981   }%
3982   \renewcommand*{\newpage}{%
3983     \PackageError{%
3984       biditools%
3985     }{%
3986       \string\newpage\space at \string\bidi@BeforeClosingMainAux
3987     }{%
3988       You should never use \string\newpage\space or
3989       \string\clear(double)page or other output material at the\MessageBreak
3990       argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
3991       If you'll continue, the \string\newpage\space will be ignored to

```



```

3992     avoid corruption of\MessageBreak
3993     every prior use of \string\bidibeforeclosingmainaux.
3994   }%
3995 }%
3996 }
3997
3998 \newcommand*\bidibeforeclosingmainaux{}
3999 \newcommand*\bidibeforeclosingmainaux{}
4000 \newcommand*\bidibeforeclosingmainaux{}
4001 \newcommand*\bidibeforeclosingmainaux{%
4002   \ifx\bidibeforeclosingmainaux\empty
4003     \gdef\bidibeforeclosingmainaux{%
4004       \renewcommand*\bidibeforeclosingmainaux[1]{###1}%
4005       \let\protectedwrite\bidibeforeclosingmainauxwrite
4006       \bidibeforeclosingmainaux
4007     }%
4008   \fi
4009   \g@addto@macro\bidibeforeclosingmainaux%
4010 }
4011
4012 \newcommand*\bidibeforeclosingmainaux{%
4013   \ifx\bidibeforeclosingmainaux\empty
4014     \gdef\bidibeforeclosingmainaux{%
4015       \renewcommand*\bidibeforeclosingmainaux[1]{###1}%
4016       \let\protectedwrite\bidibeforeclosingmainauxwrite
4017     }%
4018   \fi
4019   \g@addto@macro\bidibeforeclosingmainaux%
4020 }
4021
4022 \long\def\bidibeforeclosingmainaux#1#2#3{%
4023   \begingroup
4024     #2%
4025     \let\protected\@unexpandable@protect
4026     \edef\reserved@a{\immediate\write#1{#3}}%
4027     \reserved@a
4028   \endgroup
4029   \if@nobreak\ifvmode\nobreak\fi\fi
4030 }
4031
4032 \def\bidibeforeclosingmainaux{0}%
4033 \if@bidibeforeclosingmainaux{numexpr}%
4034 \def\bidibeforeclosingmainauxstepcounter{%
4035   \begingroup
4036     \count@\bidibeforeclosingmainauxstepcounter\relax
4037     \advance\count@\@ne\relax
4038   \edef\x{\endgroup
4039     \noexpand\def\noexpand\bidibeforeclosingmainauxstepcounter{\the\count@}}%
4040   }%
4041   \x

```



```

4042 }%
4043 }{%
4044 \def\bidipatch@stepcounter{%
4045 \edef\bidipatch@counter{%
4046 \the\numexpr\bidipatch@counter+\@ne\relax
4047 }%
4048 }%
4049 }
4050 \def\bidipatch@list{}
4051 \def\bidipatch@Add{%
4052 \bidipatch@list
4053 }
4054 \def\bidipatch@AfterPackage#1{%
4055 \@ifpackageloaded{#1}{%
4056 \@firstofone
4057 }{%
4058 \@bidipatch@AfterPackage{#1}%
4059 }%
4060 }
4061 \def\@bidipatch@AfterPackage#1{%
4062 \edef\bidipatch@temp{#1}%
4063 \bidipatch@stepcounter
4064 \expandafter\bidipatch@@AfterPackage
4065 \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
4066 \bidipatch@temp
4067 }%
4068 }
4069 \def\bidipatch@@AfterPackage#1#2#3{%
4070 \begingroup
4071 \toks@{#3}%
4072 \xdef\bidipatch@gtemp{%
4073 \noexpand\@ifpackageloaded{#2}{%
4074 \noexpand\let\noexpand#1\noexpand\relax
4075 \the\toks@
4076 }{}}%
4077 }%
4078 \endgroup
4079 \let#1\bidipatch@gtemp
4080 \bidipatch@Add#1%
4081 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
4082 }
4083
4084 \def\bidipatch@try#1#2#3{%
4085 \if@bidicsundef{#1}{%
4086 \csname #1\endcsname{#2}{#3}%
4087 }%
4088 }
4089
4090 \AtBeginDocument{\bidipatch@list}
4091

```



```

4092 \bidi@AtEndPreamble{\bidi@patch@list}%
4093
4094 \bidi@AfterEndPreamble{%
4095   \let\bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
4096   \let\bidi@patch@OrgIfPackageLater\@ifpackagelater
4097   \let\bidi@patch@OrgIfClassLoaded\@ifclassloaded
4098   \let\bidi@patch@OrgIfClassLater\@ifclasslater
4099   \bidi@patch@list
4100   \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
4101   \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
4102   \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
4103   \let\@ifclasslater\bidi@patch@OrgIfClassLater
4104 }%

```

21 File bidentuftefloat.sty

```

4105 \NeedsTeXFormat{LaTeX2e}
4106 \ProvidesPackage{bidentuftefloat}[2017/05/19 v0.2
4107 bidi implementation of tufte float]
4108 \RequirePackage{xifthen}
4109 \newcommand{\@bidentuftefloat@pkgname}{bidentuftefloat}
4110 \newcommand{\bidentuftefloatError}[2]{\PackageError{\@bidentuftefloat@pkgname}{#1}{#2}}
4111 \newcommand{\bidentuftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidentuftefloat@debug}}{\bidentuftefloatDebugInfoNL{#1}}{}}
4112 \newcommand{\bidentuftefloatInfoNL}[1]{\PackageInfo{\@bidentuftefloat@pkgname}{#1\@gobble}}
4113 \newboolean{\@bidentuftefloat@reversegeometry}
4114 \setboolean{\@bidentuftefloat@reversegeometry}{false}
4115 \DeclareOption{reversegeometry}{\setboolean{\@bidentuftefloat@reversegeometry}{true}}
4116 \newboolean{\@bidentuftefloat@a4paper}
4117 \DeclareOption{a4paper}{\setboolean{\@bidentuftefloat@a4paper}{true}}
4118 \newboolean{\@bidentuftefloat@b5paper}
4119 \DeclareOption{b5paper}{\setboolean{\@bidentuftefloat@b5paper}{true}}
4120 \newboolean{\@bidentuftefloat@symmetric}
4121 \newboolean{\@bidentuftefloat@twoside}
4122 \DeclareOption{twoside}{%
4123   \@twosidefalse \mparswitchtrue%
4124   \setboolean{\@bidentuftefloat@twoside}{true}%
4125   \setboolean{\@bidentuftefloat@symmetric}{true}%
4126 }
4127 \DeclareOption{oneside}{%
4128   \@twosidefalse \mparswitchfalse%
4129   \setboolean{\@bidentuftefloat@twoside}{false}%
4130   \setboolean{\@bidentuftefloat@symmetric}{false}%
4131 }
4132 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4133 \newboolean{\@bidentuftefloat@debug}
4134 \newcommand*{\@bidentuftefloat@caption@justification}{\@bidentuftefloat@justification@autodetect}
4135 \ProcessOptions
4136 %% Globally sets the length
4137 \newcommand*{\gsetlength}[2]{%
4138   \setlength{#1}{#2}%

```




```

4139 \global#1=#1\relax%
4140 }
4141
4142 %% Set the font sizes and baselines to match bdituftefloat's books
4143 \renewcommand\normalsize{%
4144   \@setfontsize\normalsize\@xpt{14}%
4145   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4146   \abovedisplayshortskip \z@ \@plus3\p@
4147   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4148   \belowdisplayskip \abovedisplayskip
4149   \let\@listi\@listI}
4150 \normalbaselineskip=14pt
4151 \normalsize
4152 \renewcommand\footnotesize{%
4153   \@setfontsize\footnotesize\@viipt{10}%
4154   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4155   \abovedisplayshortskip \z@ \@plus\p@
4156   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4157   \def\@listi{\leftmargin\leftmarginI
4158             \topsep 3\p@ \@plus\p@ \@minus\p@
4159             \parsep 2\p@ \@plus\p@ \@minus\p@
4160             \itemsep \parsep}%
4161   \belowdisplayskip \abovedisplayskip
4162 }
4163 %% Paragraph indentation and separation for marginal text
4164 \newcommand{\@bdiuftefloat@margin@par}{%
4165   \setlength{\RaggedRightParindent}{0.5pc}%
4166   \setlength{\JustifyingParindent}{0.5pc}%
4167   \setlength{\parindent}{0.5pc}%
4168   \setlength{\parskip}{0pt}%
4169 }
4170 \RequirePackage{ragged2e}
4171 \ifthenelse{\boolean{@bdiuftefloat@reversegeometry}}{%
4172   \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=0.5in]{geometry}
4173 }{\ifthenelse{\boolean{@bdiuftefloat@afourpaper}}{
4174   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=0.5in}}
4175   {}
4176 }{\ifthenelse{\boolean{@bdiuftefloat@bfivepaper}}{
4177   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar=0.5in}}
4178   {}
4179 }{\RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=0.5in]{geometry}
4180 \ifthenelse{\boolean{@bdiuftefloat@afourpaper}}{
4181   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=0.5in}}
4182   {}
4183 }{\ifthenelse{\boolean{@bdiuftefloat@bfivepaper}}{
4184   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar=0.5in}}
4185   {}
4186 }{\ifthenelse{\boolean{@bdiuftefloat@symmetric}}{
4187   {}
4188   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'

```



```

4189 \setlength\marginparpush{10pt}
4190 %% Font for margin items
4191 \newcommand{\@bittuftefloat@marginfont}{\normalfont\footnotesize}
4192 \newcommand*{\@bittuftefloat@captionfont}{\@bittuftefloat@marginfont}
4193 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bittuftefloat@captionfont}{#1}}
4194 \newcommand{\@bittuftefloat@justification}{\justifying}%
4195 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4196 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4197 \newboolean{@bittuftefloat@changepage}
4198 \IfFileExists{changepage.sty}{%
4199   \bittuftefloatDebugInfoNL{Found changepage.sty}
4200   \RequirePackage[strict]{changepage}
4201   \setboolean{@bittuftefloat@changepage}{true}
4202 }{%
4203   \bittuftefloatDebugInfoNL{Found chngpage.sty}
4204   \RequirePackage[strict]{chngpage}
4205   \setboolean{@bittuftefloat@changepage}{false}
4206 }
4207 \newboolean{@bittuftefloat@odd@page}
4208 \setboolean{@bittuftefloat@odd@page}{true}
4209 \newcommand*{\@bittuftefloat@checkoddpage}{%
4210   \checkoddpage%
4211   \ifthenelse{boolean{@bittuftefloat@changepage}}{%
4212     \ifoddpage%
4213       \setboolean{@bittuftefloat@odd@page}{true}%
4214     \else%
4215       \setboolean{@bittuftefloat@odd@page}{false}%
4216     \fi%
4217   }{%
4218     \ifcpoddpage%
4219       \setboolean{@bittuftefloat@odd@page}{true}%
4220     \else%
4221       \setboolean{@bittuftefloat@odd@page}{false}%
4222     \fi%
4223   }%
4224 }
4225 \newlength{\@bittuftefloat@overhang}% used by the fullwidth environment and the running heads
4226 \newlength{\@bittuftefloat@fullwidth}
4227 \newlength{\@bittuftefloat@caption@fill}
4228 \newcommand{\bittuftefloatRecalculate}{%
4229   \setlength{\@bittuftefloat@overhang}{\marginparwidth}
4230   \addtolength{\@bittuftefloat@overhang}{\marginparsep}
4231
4232   \setlength{\@bittuftefloat@fullwidth}{\textwidth}
4233   \addtolength{\@bittuftefloat@fullwidth}{\marginparsep}
4234   \addtolength{\@bittuftefloat@fullwidth}{\marginparwidth}
4235
4236   \setlength{\@bittuftefloat@caption@fill}{\textwidth}
4237   \addtolength{\@bittuftefloat@caption@fill}{\marginparsep}
4238 }

```



```

4239 \AtBeginDocument{\@bittuftefloatRecalculate}
4240 \RequirePackage{optparams}% provides multiple optional arguments for commands
4241 \RequirePackage{placeins}
4242 \newsavebox{\@bittuftefloat@margin@floatbox}
4243 \newenvironment{@bittuftefloat@margin@float}[2][-1.2ex]%
4244 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
4245 \begin{lrbox}{\@bittuftefloat@margin@floatbox}%
4246 \begin{minipage}{\marginparwidth}%
4247 \@bittuftefloat@caption@font%
4248 \def\@capttype{#2}%
4249 \hbox{\vspace*{#1}%
4250 \@bittuftefloat@caption@justification%
4251 \@bittuftefloat@margin@par%
4252 \noindent%
4253 }
4254 {\end{minipage}%
4255 \end{lrbox}%
4256 \marginpar{\usebox{\@bittuftefloat@margin@floatbox}}%
4257 }
4258 \newenvironment{marginfigure}[1][-1.2ex]%
4259 {\begin{@bittuftefloat@margin@float}[#1]{figure}}
4260 {\end{@bittuftefloat@margin@float}}
4261 \newenvironment{margintable}[1][-1.2ex]%
4262 {\begin{@bittuftefloat@margin@float}[#1]{table}}
4263 {\end{@bittuftefloat@margin@float}}
4264 \newcommand*{\@bittuftefloat@justification@autodetect}{\justifying}%
4265
4266 \newcommand{\@bittuftefloat@float@debug@info}{}% contains debug info generated as the float is processed
4267 \newcommand{\@bittuftefloat@float@debug}[1]{% adds debug info to the queue for output
4268 \ifthenelse{\equal{\@bittuftefloat@float@debug@info}{}}%
4269 {\def\@bittuftefloat@float@debug@info{#1}}%
4270 {\g@addto@macro\@bittuftefloat@float@debug@info{\MessageBreak#1}}%
4271 }
4272 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4273 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bittuftefloat@float@debug@info{setfloatalignment: #1}}
4274 \newboolean{@bittuftefloat@float@recto}
4275 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@bittuftefloat@float@recto}{true}\@bittuftefloat@float@debug@info{forcerectofloat}}
4276 \newcommand{\forceversofloat}{\GlobalSetBoolean{@bittuftefloat@float@recto}{false}\@bittuftefloat@float@debug@info{forceversofloat}}
4277 \newsavebox{\@bittuftefloat@figure@box}
4278 \newsavebox{\@bittuftefloat@caption@box}
4279 \let\@bittuftefloat@orig@float\@float
4280 \let\@bittuftefloat@orig@endfloat\endfloat
4281 \newlength{\@bittuftefloat@caption@vertical@offset}
4282 \setlength{\@bittuftefloat@caption@vertical@offset}{0pt}
4283 \newcommand{\@bittuftefloat@stored@shortcaption}{%
4284 \newcommand{\@bittuftefloat@stored@caption}{%
4285 \newcommand{\@bittuftefloat@stored@label}{%
4286 \long\def\@bittuftefloat@caption[#1][#2]#3{%
4287 \ifthenelse{\isempty{#1}}%
4288 {\gdef\@bittuftefloat@stored@shortcaption{#3}}%

```



```

4289     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
4290     \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to low
4291     \gdef\@biditytfloat@stored@caption{#3}%
4292 }
4293 \newcommand{\@biditytfloat@label}[1]{%
4294     \gdef\@biditytfloat@stored@label{#1}%
4295 }
4296 \newcommand{\@biditytfloat@fps}{%
4297     \newboolean{\@biditytfloat@float@star}%
4298     \newlength{\@biditytfloat@float@contents@width}%
4299     \newenvironment{\@biditytfloat@float}[3][htbp]%
4300     {% begin \@biditytfloat@float
4301         % Should this float be full-width or just text-width?
4302         \ifthenelse{\equal{#3}{star}}{%
4303             {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
4304             {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
4305         % Check page side (recto/verso) and store detected value -- can be overridden in environmen
4306         \@biditytfloat@checkoddpage%
4307         \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
4308             {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Detect
4309             {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Detect
4310         % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4311         \renewcommand{\@biditytfloat@fps}{#1}%
4312         \@biditytfloat@float@debug{Allowed positions: [ #1 ]}%
4313         \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
4314             {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bott
4315             {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [top]
4316         % Capture the contents of the \caption and \label commands to use later
4317         \global\let\@biditytfloat@orig@caption\caption%
4318         \global\let\@biditytfloat@orig@label\label%
4319         \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[ ] [Opt]}}%
4320         \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4321         % Handle subfigure package compatibility
4322         \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
4323             \bidi@patchcmd{\subfigure}{%
4324                 \let\subfig@oldlabel=\label
4325             }{%
4326                 \let\subfig@oldlabel=\@biditytfloat@orig@label
4327             }
4328             {}
4329             {}
4330             \let\subtable=\subfigure
4331         }{% subfigure package is not loaded
4332         \@biditytfloat@orig@float{#2}[#1]%
4333         \ifthenelse{\boolean{\@biditytfloat@float@star}}{%
4334             {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4335             {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4336         \begin{lrbox}{\@biditytfloat@figure@box}%
4337         \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4338     }{% end \@biditytfloat@float

```



```

4339     \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% al
4340     \end{minipage}%
4341 \end{lrbox}%
4342 % build the caption box
4343 \begin{lrbox}{\@bittuftefloat@caption@box}%
4344     \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
4345         \ifthenelse{\NOT\equal{\@bittuftefloat@stored@caption}}{\@bittuftefloat@orig@capti
4346         \ifthenelse{\NOT\equal{\@bittuftefloat@stored@label}}{\@bittuftefloat@orig@label{
4347         \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4348     \end{minipage}%
4349 \end{lrbox}%
4350 % now typeset the stored boxes
4351 \begin{fullwidth}%
4352     \begin{minipage}[\floatalignment]{\linewidth}%
4353         \ifthenelse{\boolean{@bittuftefloat@float@star}}%
4354             {\@bittuftefloat@float@fullwidth[\@bittuftefloat@caption@vertical@offset]{\@bittu
4355             {\@bittuftefloat@float@textwidth[\@bittuftefloat@caption@vertical@offset]{\@bittu
4356     \end{minipage}%
4357 \end{fullwidth}%
4358 \@bittuftefloat@orig@endfloat% end original LaTeX float environment
4359 % output debug info
4360 \ifthenelse{\boolean{@bittuftefloat@debug}}{%
4361     \typeout{^^J^^J----- bittuftefloat package float information -----}%
4362     \ifthenelse{\equal{\@bittuftefloat@stored@label}}{}%
4363         {\typeout{Warning: Float unlabeled!}}%
4364         {\typeout{Float label: [\@bittuftefloat@stored@label]}}%
4365     \typeout{Page number: [\thepage]}%
4366     \def\MessageBreak{^^J}%
4367     \typeout{\@bittuftefloat@float@debug@info}%
4368     \ifthenelse{\boolean{@bittuftefloat@symmetric}}%
4369         {\typeout{Symmetric: [true]}}%
4370         {\typeout{Symmetric: [false]}}%
4371     \typeout{-----^^J^^J}%
4372 }{}%
4373 % reset commands and temp boxes and captions
4374 \gdef\@bittuftefloat@float@debug@info{}%
4375 \let\caption\@bittuftefloat@orig@caption%
4376 \let\label\@bittuftefloat@orig@label%
4377 \begin{lrbox}{\@bittuftefloat@figure@box}\hbox{}\end{lrbox}%
4378 \begin{lrbox}{\@bittuftefloat@caption@box}\hbox{}\end{lrbox}%
4379 \gdef\@bittuftefloat@stored@shortcaption{}%
4380 \gdef\@bittuftefloat@stored@caption{}%
4381 \gdef\@bittuftefloat@stored@label{}%
4382 \gsetlength{\@bittuftefloat@caption@vertical@offset}{0pt}% reset caption offset
4383 }
4384 \newcommand{\@bittuftefloat@float@textwidth}[3][0pt]{%
4385 \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}}\OR\boolean{@bittuftefloat@float@recto}}{
4386 % asymmetric or page is odd, so caption is on the right
4387 \hbox{%
4388     \usebox{#2}%

```



```

4389     \hspace{\marginparsep}%
4390     \smash{\raisebox{#1}{\usebox{#3}}}%
4391   }
4392   \@biditytfloat@float@debug{Caption position: [right]}%
4393 }{% symmetric pages and page is even, so caption is on the left
4394   \hbox{%
4395     \smash{\raisebox{#1}{\usebox{#3}}}%
4396     \hspace{\marginparsep}%
4397     \usebox{#2}%
4398   }
4399   \@biditytfloat@float@debug{Caption position: [left]}%
4400 }%
4401 }
4402 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4403   \ifthenelse{equal{\floatalignment}{b}}{%
4404     {% place caption above figure
4405       \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@re
4406         {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{
4407         {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{
4408     }{% place caption below figure
4409       \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@re
4410         {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{
4411         {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{
4412     }%
4413   }
4414   \renewenvironment{figure}[1][htbp]{
4415     {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4416     {\end{@biditytfloat@float}}
4417   \renewenvironment{table}[1][htbp]{
4418     {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4419     {\end{@biditytfloat@float}}
4420   \renewenvironment{figure*}[1][htbp]{
4421     {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4422     {\end{@biditytfloat@float}}
4423   \renewenvironment{table*}[1][htbp]{
4424     {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4425     {\end{@biditytfloat@float}}
4426   \newenvironment{fullwidth}
4427     {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4428       {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@
4429       {\begin{adjustwidth}{-}\@biditytfloat@overhang}}%
4430     }%
4431     {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4432       {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}
4433     {\end{adjustwidth}}%
4434   }
4435   \long\def\@caption#1[#2]#3{%
4436     \par%
4437     \addcontentsline{csname ext@#1\endcsname}{#1}%
4438     {\protect\numberline{csname the#1\endcsname}{\ignorespaces #2}}%

```



```

4439 \begingroup%
4440 \parboxrestore%
4441 \if@minipage%
4442 \setminipage%
4443 \fi%
4444 \@bituftefloat@caption@font\@bituftefloat@caption@justification%
4445 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4446 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4447 \endgroup}
4448 %%
4449 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4450 \DeclareRobustCommand{\@bitufteheading@newlinetospace}{%
4451 \ifstar{\@bitufteheading@newlinetospace@i}{\@bitufteheading@newlinetospace@i}%
4452 }
4453 \def\@bitufteheading@newlinetospace@i{%
4454 \ifdim\lastskip>z@\else\space\fi
4455 \ignorespaces%
4456 }
4457 \DeclareRobustCommand{\newlinetospace}[1]{%
4458 \let\@bitufteheading@orig@cr\\% save the original meaning of \\
4459 \def\\{\@bitufteheading@newlinetospace}% turn \\ and \\* into \space
4460 \let\newline\\% turn \newline into \space
4461 #1%
4462 \let\\\@bitufteheading@orig@cr% revert to original meaning of \\
4463 }
4464 \RequirePackage{fancyhdr}
4465 \pagestyle{fancy}
4466 \AtBeginDocument{%
4467 \ifthenelse{\boolean{@bituftefloat@symmetric}}
4468 {\fancyhfoffset[LE,RO]{\@bituftefloat@overhang}}
4469 {\fancyhfoffset[RE,RO]{\@bituftefloat@overhang}}
4470 }
4471 % The running heads/feet don't have rules
4472 \renewcommand{\headrulewidth}{0pt}
4473 \renewcommand{\footrulewidth}{0pt}
4474 % The 'fancy' page style is the default style for all pages.
4475 \fancyhf{} % clear header and footer fields
4476 \ifthenelse{\boolean{@bituftefloat@symmetric}}
4477 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4478 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}%
4479 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4480 % The 'plain' page style is used on chapter opening pages.
4481 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4482 % bottom of pages -- the folios are unexpressed.
4483 \fancypagestyle{plain}{
4484 \fancyhf{} % clear header and footer fields
4485 % Uncomment the following five lines of code if you want the opening page
4486 % of the chapter to express the folio in the lower outside corner.
4487 % \ifthenelse{\boolean{@bituftefloat@symmetric}}
4488 % {\fancyfoot[LE,RO]{\thepage}}

```



```

4489 % {\fancyfoot[RE,RO]{\thepage}}
4490 }
4491 % The `empty' page style suppresses all headers and footers.
4492 % It's used on title pages and `intentionally blank' pages.
4493 \fancypagestyle{empty}{
4494   \fancyhf{} % clear header and footer fields
4495 }
4496 \def\morefloats{% provides a total of 52 floats
4497   \ifthenelse{\isundefined{\bx@S}}{%
4498     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4499     \newinsert\bx@S
4500     \newinsert\bx@T
4501     \newinsert\bx@U
4502     \newinsert\bx@V
4503     \newinsert\bx@W
4504     \newinsert\bx@X
4505     \newinsert\bx@Y
4506     \newinsert\bx@Z
4507     \newinsert\bx@a
4508     \newinsert\bx@b
4509     \newinsert\bx@c
4510     \newinsert\bx@d
4511     \newinsert\bx@e
4512     \newinsert\bx@f
4513     \newinsert\bx@g
4514     \newinsert\bx@h
4515     \newinsert\bx@i
4516     \newinsert\bx@j
4517     \newinsert\bx@k
4518     \newinsert\bx@l
4519     \newinsert\bx@m
4520     \newinsert\bx@n
4521     \newinsert\bx@o
4522     \newinsert\bx@p
4523     \newinsert\bx@q
4524     \newinsert\bx@r
4525     \newinsert\bx@s
4526     \newinsert\bx@t
4527     \newinsert\bx@u
4528     \newinsert\bx@v
4529     \newinsert\bx@w
4530     \newinsert\bx@x
4531     \newinsert\bx@y
4532     \newinsert\bx@z
4533     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4534       \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4535       \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4536       \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4537       \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4538       \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z

```




```

4539 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4540 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4541 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4542 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4543 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4544 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4545 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4546 \ifthenelse{\isundefined{\bx@AA}}{%
4547 \biditytfloatDebugInfoNL{Adding 26 more float slots.}
4548 \newinsert\bx@AA
4549 \newinsert\bx@BB
4550 \newinsert\bx@CC
4551 \newinsert\bx@DD
4552 \newinsert\bx@EE
4553 \newinsert\bx@FF
4554 \newinsert\bx@GG
4555 \newinsert\bx@HH
4556 \newinsert\bx@II
4557 \newinsert\bx@JJ
4558 \newinsert\bx@KK
4559 \newinsert\bx@LL
4560 \newinsert\bx@MM
4561 \newinsert\bx@NN
4562 \newinsert\bx@OO
4563 \newinsert\bx@PP
4564 \newinsert\bx@QQ
4565 \newinsert\bx@RR
4566 \newinsert\bx@SS
4567 \newinsert\bx@TT
4568 \newinsert\bx@UU
4569 \newinsert\bx@VV
4570 \newinsert\bx@WW
4571 \newinsert\bx@XX
4572 \newinsert\bx@YY
4573 \newinsert\bx@ZZ
4574 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4575 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4576 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4577 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4578 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4579 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4580 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4581 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4582 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4583 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4584 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4585 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4586 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4587 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4588 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN

```



```

4589 \elt\bx@OO\elt\bx@PP\elt\bx@QQ\elt\bx@RR
4590 \elt\bx@SS\elt\bx@TT\elt\bx@UU\elt\bx@VV
4591 \elt\bx@WW\elt\bx@XX\elt\bx@YY\elt\bx@ZZ}%
4592 }{%
4593 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageB
4594 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\
4595 }%
4596 }%
4597 }
4598 \newboolean{@biditytfloat@packages@subfigure}
4599 \setboolean{@biditytfloat@packages@subfigure}{false}
4600 \AtBeginDocument{%
4601 \ifpackageloaded{subfigure}
4602 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4603 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
4604 }
4605 \AtBeginDocument{%
4606 \ifpackageloaded{float}{%
4607 % Save the redefined float environment (instead of the LaTeX float environment)
4608 \let\@biditytfloat@orig@float\float
4609 \let\@biditytfloat@orig@endfloat\endfloat
4610
4611 % Define TufTian float styles (with the caption in the margin)
4612 \newcommand{\floatc@biditytfloatplain}[2]{%
4613 \begin{lrbox}{\@biditytfloat@caption@box}%
4614 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
4615 \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4616 \end{minipage}%
4617 \end{lrbox}%
4618 \smash{\hspace{\@biditytfloat@caption@fill}\usebox{\@biditytfloat@caption@box}}%
4619 }
4620 \newcommand{\fs@biditytfloatplain}{%
4621 \def\@fs@cfont{\@biditytfloat@caption@font}%
4622 \let\@fs@capt\floatc@biditytfloatplain%
4623 \def\@fs@pre{}%
4624 \def\@fs@post{}%
4625 \def\@fs@mid{}%
4626 \let\@fs@iftopcapt\iftrue%
4627 }
4628 \let\fs@biditytfloatplain\floatc@biditytfloatplain
4629 \let\floatc@biditytfloatplain\floatc@biditytfloatplain
4630 \newcommand\floatc@biditytfloatruled[2]{%
4631 {\@fs@cfont #1} #2\par%
4632 }
4633 \newcommand\fs@biditytfloatruled{%
4634 \def\@fs@cfont{\@biditytfloat@caption@font}%
4635 \let\@fs@capt\floatc@biditytfloatplain%
4636 \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4637 \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4638 \def\@fs@mid{}%

```



```

4639 \let\@fs@iftopcapt\iftrue%
4640 }
4641 \newcommand\fs@biditytfloatboxed{%
4642 \def\@fs@cfont{}%
4643 \let\@fs@capt\floatc@biditytfloatplain%
4644 \def\@fs@pre{%
4645 \setbox\@currbox\vbox{\hbadness10000
4646 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4647 \hrule \hbox to\hsize{\vrule\kern3pt
4648 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4649 }%
4650 \def\@fs@mid{\kern2pt}%
4651 \def\@fs@post{}%
4652 \let\@fs@iftopcapt\iftrue%
4653 }
4654 }{%
4655 % Nothing to do
4656 }
4657 }
4658 \AtBeginDocument{%
4659 \@ifpackageloaded{algorithm}{%
4660 % Set the float style to the Tufte version
4661 \ifthenelse{equal{\ALG@floatstyle}{plain}\OR equal{\ALG@floatstyle}{ruled}\OR equal{\ALG@floatstyle}{biditytfloat}}{
4662 \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
4663 \floatstyle{biditytfloat\ALG@floatstyle}%
4664 \restylefloat{algorithm}%
4665 }{}}%
4666 }{%
4667 % Nothing to do
4668 }
4669 }
4670 \PassOptionsToPackage{caption=false}{subfig}

```

22 File biditytfloatsidenote.sty

```

4671 \NeedsTeXFormat{LaTeX2e}
4672 \ProvidesPackage{biditytfloatsidenote}[2017/08/09 v0.4
4673 bidi implementation of tufte sidenote]
4674 \RequirePackage{xifthen}
4675 \RequirePackage{ragged2e}
4676 \RequirePackage{setspace}
4677 \RequirePackage{biditytools}
4678 \def\biditytfloatsidenotemarginpar{%
4679 \ifhmode
4680 \@bsphack
4681 \@floatpenalty -\@Mii
4682 \else
4683 \@floatpenalty -\@Miii
4684 \fi
4685 \ifinner

```



```

4686 \parmoderr
4687 \floatpenalty\z@
4688 \else
4689 \next\@currbox\@freelist{ }{}%
4690 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4691 {\floatpenalty\z@
4692 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4693 \fi
4694 \ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
4695 \long\def\@bidituftesidenotexmpar[#1]#2{%
4696 \@bidituftesidenotesavemarbox\@marbox{#1}%
4697 \@bidituftesidenotesavemarbox\@currbox{#2}%
4698 \@xympar}
4699 \long\def\@bidituftesidenoteympar#1{%
4700 \@bidituftesidenotesavemarbox\@marbox{#1}%
4701 \global\setbox\@currbox\copy\@marbox
4702 \@xympar}
4703 \long\def \@bidituftesidenotesavemarbox #1#2{%
4704 \global\setbox #1%
4705 \color@vbox
4706 \vtop{%
4707 \hsize\marginparwidth
4708 \@parboxrestore
4709 \@bidituftesidenotemarginparreset
4710 #2%
4711 \@minipagefalse
4712 \outer@nobreak
4713 }%
4714 \color@endbox
4715 }
4716 \def \@bidituftesidenotemarginparreset {%
4717 \reset@font
4718 \normalsize
4719 \@minipagetrue
4720 \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
4721 }
4722 \def\LTRbidituftesidenotemarginpar{%
4723 \ifhmode
4724 \bsphack
4725 \floatpenalty -\@Mii
4726 \else
4727 \floatpenalty-\@Miii
4728 \fi
4729 \ifinner
4730 \parmoderr
4731 \floatpenalty\z@
4732 \else
4733 \next\@currbox\@freelist{ }{}%
4734 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4735 {\floatpenalty\z@

```



```

4736 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4737 \fi
4738 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar]
4739 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4740 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4741 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4742 \@xympar}
4743 \long\def\@LTRbidityftesidenoteympar#1{%
4744 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4745 \global\setbox\@currbox\copy\@marbox
4746 \@xympar}
4747 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4748 \global\setbox #1%
4749 \color@vbox
4750 \vtop{%
4751 \hsize\marginparwidth
4752 \@parboxrestore
4753 \@LTRbidityftesidenotemarginparreset
4754 #2%
4755 \@minipagefalse
4756 \outer@nobreak
4757 }%
4758 \color@endbox
4759 }
4760 \def \@LTRbidityftesidenotemarginparreset {%
4761 \reset@font
4762 \normalsize
4763 \@minipagetrue
4764 \everypar{\@minipagefalse\everypar{}\beginL}%
4765 }
4766 \def\RTLbidityftesidenotemarginpar{%
4767 \ifhmode
4768 \@bsphack
4769 \@floatpenalty -\@Mii
4770 \else
4771 \@floatpenalty-\@Miii
4772 \fi
4773 \ifinner
4774 \@parmoderr
4775 \@floatpenalty\z@
4776 \else
4777 \@next\@currbox\@freelist{}\}%
4778 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4779 {\@floatpenalty\z@
4780 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4781 \fi
4782 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar]
4783 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4784 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4785 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%

```



```

4786 \xympar}
4787 \long\def\@RTLbidityftesidenoteympar#1{%
4788 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4789 \global\setbox\@currbox\copy\@marbox
4790 \xympar}
4791 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4792 \global\setbox #1%
4793 \color@vbox
4794 \vtop{%
4795 \hsize\marginparwidth
4796 \@parboxrestore
4797 \@RTLbidityftesidenotemarginparreset
4798 #2%
4799 \@minipagefalse
4800 \outer@nobreak
4801 }%
4802 \color@endbox
4803 }
4804 \def \@RTLbidityftesidenotemarginparreset {%
4805 \reset@font
4806 \normalsize
4807 \@minipagetrue
4808 \everypar{\@minipagefalse\everypar{}\beginR}%
4809 }
4810 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4811 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
4812 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
4813 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4814 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
4815 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
4816 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4817 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
4818 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
4819 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4820 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
4821 \newcommand*{\@bidityftesidenote@RTLCitation@font}{\@bidityftesidenote@RTLmarginfont}
4822 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4823 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
4824 \newcommand*{\setRTLSidenote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
4825 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4826 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
4827 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
4828 \newcommand*{\setcitation@font}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4829 \newcommand*{\setLTRcitation@font}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
4830 \newcommand*{\setRTLCitation@font}[1]{\renewcommand*{\@bidityftesidenote@RTLCitation@font}{#1}}
4831 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
4832 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
4833 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
4834 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4835 \newcommand{\@bidityftesidenote@margin@par}{%

```



```

4836 \setlength{\RaggedRightParindent}{0.5pc}%
4837 \setlength{\JustifyingParindent}{0.5pc}%
4838 \setlength{\parindent}{0.5pc}%
4839 \setlength{\parskip}{0pt}%
4840 }
4841 %%
4842 % Globally sets the length
4843 \@ifundefined{gsetlength}{%
4844 \newcommand*{\gsetlength}[2]{%
4845 \setlength{#1}{#2}%
4846 \global#1=#1\relax%
4847 }%
4848 }{}
4849
4850 %%
4851 % A function that removes leading and trailing spaces from the supplied macro.
4852 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4853 % Executing \@bidityftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4854 % being trimmed of leading and trailing white space.
4855 \catcode\Q=3
4856 \def\@bidityftesidenote@trim@spaces#1{%
4857 % Use grouping to emulate a multi-token afterassignment queue
4858 \begingroup%
4859 % Put \toks 0 {' into the afterassignment queue
4860 \aftergroup\toks\aftergroup0\aftergroup{%
4861 % Apply \trimb to the replacement text of #1, adding a leading
4862 % \noexpand to prevent brace stripping and to serve another purpose
4863 % later.
4864 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1\Q}%
4865 % Transfer the trimmed text back into #1.
4866 \edef#1{\the\toks0}%
4867 }
4868 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4869 % clean up any leftover bizarre Qs, and trim a leading space. In
4870 % order for \trimc to work properly we need to put back a Q first.
4871 \def\@bidityftesidenote@trim@b#1\Q{\@bidityftesidenote@trim@c#1\Q}
4872 % Execute \vfuzz assignment to remove leading space; the \noexpand
4873 % will now prevent unwanted expansion of a macro or other expandable
4874 % token at the beginning of the trimmed text. The \endgroup will feed
4875 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4876 \def\@bidityftesidenote@trim@c#1\Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4877 \catcode\Q=11
4878 %%
4879 % Citations should go in the margin as sidenotes
4880
4881 \RequirePackage{natbib}
4882 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environment
4883 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4884 \renewcommand\BR@b@bibitem[2][]{%
4885 \ifthenelse{\isempty{#1}}%

```



```

4886 {\BR@bibitem{#2}}%
4887 {\BR@bibitem{#1}{#2}}%
4888 \BR@c@bibitem{#2}%
4889 }
4890 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4891 %%
4892 % Normal \cite behavior
4893 \newcounter{@bidityftesidenote@num@bibkeys}%
4894 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
4895 % Snag the last bibentry in the list for later comparison
4896 \let\@temp@last@bibkey\@empty%
4897 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4898 \sidenote[] [#1]{%
4899 % Loop through all the bibentries, separating them with semicolons and spaces
4900 \normalsize\normalfont\@bidityftesidenote@citation@font%
4901 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4902 \@for\@temp@bibkeyx:=#2\do{%
4903 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4904 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4905 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4906 \bibentry{\@temp@bibkeyx}}%
4907 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4908 \bibentry{\@temp@bibkeyx};\ }%
4909 \stepcounter{@bidityftesidenote@num@bibkeys}%
4910 }%
4911 }%
4912 }
4913 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
4914 % Snag the last bibentry in the list for later comparison
4915 \let\@temp@last@bibkey\@empty%
4916 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4917 \LTRsidenote[] [#1]{%
4918 % Loop through all the bibentries, separating them with semicolons and spaces
4919 \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
4920 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4921 \@for\@temp@bibkeyx:=#2\do{%
4922 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4923 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4924 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4925 \bibentry{\@temp@bibkeyx}}%
4926 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4927 \bibentry{\@temp@bibkeyx};\ }%
4928 \stepcounter{@bidityftesidenote@num@bibkeys}%
4929 }%
4930 }%
4931 }
4932 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
4933 % Snag the last bibentry in the list for later comparison
4934 \let\@temp@last@bibkey\@empty%
4935 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%

```




```

4936 \RTLsidenote[] [#1]{%
4937 % Loop through all the bibentries, separating them with semicolons and spaces
4938 \normalsize\normalfont\@bidityftesidenote@citation@font%
4939 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4940 \@for\@temp@bibkeyx:=#2\do{%
4941 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4942 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{and\ }%
4943 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4944 \bibentry{\@temp@bibkeyx}}%
4945 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4946 \bibentry{\@temp@bibkeyx};\ }%
4947 \stepcounter{@bidityftesidenote@num@bibkeys}%
4948 }%
4949 }%
4950 }
4951 %%
4952 % Macros for holding the list of cite keys until after the \sidenote
4953 \gdef\@bidityftesidenote@citations{}% list of cite keys
4954 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4955 \ifx\@bidityftesidenote@citations\@empty\else
4956 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
4957 \fi
4958 \g@addto@macro\@bidityftesidenote@citations{#1}
4959 }
4960 \newcommand{\@bidityftesidenote@print@citations}[1][0pt]{% puts the citations in a margin note
4961 % Snag the last bibentry in the list for later comparison
4962 \let\@temp@last@bibkey\@empty%
4963 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4964 \marginpar{%
4965 \hbox{\vspace*{#1}}%
4966 \@bidityftesidenote@citation@font%
4967 \@bidityftesidenote@citation@justification%
4968 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4969 \vspace*{-1\baselineskip}%
4970 % Loop through all the bibentries, separating them with semicolons and spaces
4971 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4972 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4973 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4974 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{and\ }%
4975 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4976 \bibentry{\@temp@bibkeyx}}%
4977 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4978 \bibentry{\@temp@bibkeyx};\ }%
4979 \stepcounter{@bidityftesidenote@num@bibkeys}%
4980 }%
4981 }%
4982 }
4983 %%
4984 % \cite behavior when executed within a sidenote
4985 \newcommand{\@bidityftesidenote@sidenote@citations}{% contains list of \cites in sidenote

```



```

4986 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
4987   \@bidityftesidenote@add@citation{#1}
4988 }
4989 %%
4990 % Set the default \cite style. This is set and reset by the \sidenote command.
4991 \let\cite\@bidityftesidenote@normal@cite
4992 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
4993 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
4994 %%
4995 % Transform existing \footnotes into \sidenotes
4996 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
4997 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4998 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
4999 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5000 % Override footmisc's definition to set the sidenote marks (numbers) inside the
5001 % sidenote's text block.
5002 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@sidenote@font}
5003 % Set the in-text footnote mark in the same typeface as the body text itself.
5004 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize
5005 \providecommand*\@multiplefootnotemark}{3sp}
5006 \providecommand*\@multfootsep}{,}
5007 \bidi@patch@AfterPackage{bidi}{%
5008 \renewcommand{\@footnotemark}{%
5009   \leavevmode%
5010   \ifhmode%
5011     \edef\@x@sf{\the\spacefactor}%
5012     \@bidityftesidenote@check@multiple@sidenotes%
5013     \nobreak%
5014   \fi%
5015   \@makefnmark%
5016   \ifhmode\spacefactor\@x@sf\fi%
5017   \relax%
5018 }%
5019 }
5020 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
5021   \ifdim\lastkern=\multiplefootnotemark\relax%
5022     \edef\@x@sf{\the\spacefactor}%
5023     \unkern%
5024     \textsuperscript{\multfootsep}%
5025     \spacefactor\@x@sf\relax%
5026   \fi
5027 }
5028 \bidi@patch@AfterPackage{bidi}{%
5029 \renewcommand\@footnotetext[2][Opt]{%
5030   \bidityftesidenotemarginpar{%
5031     \hbox{\vspace*{#1}}%
5032     \def\baselinestretch {\setspace@singlespace}%
5033     \reset@font%
5034     \bidi@footnotetext@font% \reset@font\footnotesize%
5035     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text

```



```

5036 \vspace*{-1\baselineskip}\noindent%
5037 \protected@edef\@currentlabel{%
5038     \csname p@footnote\endcsname\@thefnmark%
5039 }%
5040 \color@begingroup%
5041     \@makefnintext{%
5042         \ignorespaces#2%
5043     }%
5044 \color@endgroup%
5045 }%
5046 }%
5047 \renewcommand\@LTRfootnotetext[2][0pt]{%
5048     \LTRbidityftesidenotemarginpar{%
5049         \hbox{}\vspace*{#1}%
5050         \def\baselinestretch {\setspace@singlespace}%
5051         \reset@font%
5052         \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5053         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5054         \vspace*{-1\baselineskip}\noindent%
5055         \protected@edef\@currentlabel{%
5056             \csname p@footnote\endcsname\@thefnmark%
5057         }%
5058         \color@begingroup%
5059             \@makefnintext{%
5060                 \ignorespaces#2%
5061             }%
5062         \color@endgroup%
5063     }%
5064 }%
5065 \renewcommand\@RTLfootnotetext[2][0pt]{%
5066     \RTLbidityftesidenotemarginpar{%
5067         \hbox{}\vspace*{#1}%
5068         \def\baselinestretch {\setspace@singlespace}%
5069         \reset@font%
5070         \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5071         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5072         \vspace*{-1\baselineskip}\noindent%
5073         \protected@edef\@currentlabel{%
5074             \csname p@footnote\endcsname\@thefnmark%
5075         }%
5076         \color@begingroup%
5077             \@makefnintext{%
5078                 \ignorespaces#2%
5079             }%
5080         \color@endgroup%
5081     }%
5082 }%
5083 }
5084 %
5085 % Define \sidenote command. Can handle \cite.

```



```

5086 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
5087 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
5088 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5089 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
5090   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5091   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5092   \ifthenelse{NOT\isempty{#2}}{%
5093     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5094   }{%
5095     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5096   }%
5097   \ifthenelse{\isempty{#1}}{%
5098     % no specific footnote number provided
5099     \stepcounter\@mpfn%
5100     \protected@xdef\@thefnmark{\thempfn}%
5101     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5102   }{%
5103     % specific footnote number provided
5104     \begingroup%
5105       \csname c@\@mpfn\endcsname #1\relax%
5106       \unrestored@protected@xdef\@thefnmark{\thempfn}%
5107     \endgroup%
5108     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5109   }%
5110   \@bidityftesidenote@print@citations%             print any citations
5111   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5112   \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5113   \let\RTLcite\@bidityfteRTLSidenote@normal@cite%  go back to using normal in-text \RTLcite
5114   \unskip\ignorespaces%                            remove extra white space
5115   \kern-\multiplefootnotemarker%                   remove \kern left behind by sidenote
5116   \kern\multiplefootnotemarker\relax%              add new \kern here to replace the one we yanked
5117 }
5118 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
5119   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5120   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5121   \ifthenelse{NOT\isempty{#2}}{%
5122     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5123   }{%
5124     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5125   }%
5126   \ifthenelse{\isempty{#1}}{%
5127     % no specific footnote number provided
5128     \stepcounter\@mpfn%
5129     \protected@xdef\@thefnmark{\thempfn}%
5130     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5131   }{%
5132     % specific footnote number provided
5133     \begingroup%
5134       \csname c@\@mpfn\endcsname #1\relax%
5135       \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

5136 \endgroup%
5137 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5138 }%
5139 \@bidityftesidenote@print@citations% print any citations
5140 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5141 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5142 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5143 \unskip\ignorespaces% remove extra white space
5144 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5145 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5146 }
5147 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5148 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5149 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5150 \ifthenelse{NOT\isempty{#2}}{%
5151 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5152 }{%
5153 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5154 }%
5155 \ifthenelse{\isempty{#1}}{%
5156 % no specific footnote number provided
5157 \stepcounter\@mpfn%
5158 \protected@xdef\@thefnmark{\thempfn}%
5159 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5160 }{%
5161 % specific footnote number provided
5162 \begingroup%
5163 \csname c@\@mpfn\endcsname #1\relax%
5164 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5165 \endgroup%
5166 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5167 }%
5168 \@bidityftesidenote@print@citations% print any citations
5169 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5170 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5171 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5172 \unskip\ignorespaces% remove extra white space
5173 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5174 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5175 }
5176 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
5177 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
5178 \newcommand{\RTLSidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
5179 \bidi@patch@AfterPackage{bidi}{%
5180 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
5181 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
5182 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
5183 }
5184 %%
5185 % Sidenote without the footnote mark

```



```

5186 \newcommand\marginnote[2][Opt]{%
5187   \let\cite\@bidityftesidenote@infotnote@cite%   use the in-sidenote \cite command
5188   \gdef\@bidityftesidenote@citations{}%         clear out any old citations
5189   \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
5190   \@bidityftesidenote@print@citations%           print any citations
5191   \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite comman
5192   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRC
5193   \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
5194 }
5195 \newcommand\LTRmarginnote[2][Opt]{%
5196   \let\cite\@bidityftesidenote@infotnote@cite%   use the in-sidenote \cite command
5197   \gdef\@bidityftesidenote@citations{}%         clear out any old citations
5198   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@b
5199   \@bidityftesidenote@print@citations%           print any citations
5200   \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite comman
5201   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRC
5202   \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
5203 }
5204 \newcommand\RTLMarginnote[2][Opt]{%
5205   \let\cite\@bidityftesidenote@infotnote@cite%   use the in-sidenote \cite command
5206   \gdef\@bidityftesidenote@citations{}%         clear out any old citations
5207   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLMarginnote@font\@b
5208   \@bidityftesidenote@print@citations%           print any citations
5209   \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite comman
5210   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRC
5211   \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
5212 }

```

23 File bidityftetoc.sty

```

5213 \NeedsTeXFormat{LaTeX2e}
5214 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5215 bidi implementation of tufte toc]
5216 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5217 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5218 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5219 %%
5220 % Turn off section numbering
5221 \setcounter{secnumdepth}{-1}
5222 \newboolean{@bidityftetoc@toc}
5223 \setboolean{@bidityftetoc@toc}{true}
5224 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
5225 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
5226 \ProcessOptions
5227 %%
5228 % Make Tufteian-style section headings and TOC formatting
5229 \bidity@patch@AfterPackage{bidi}{%
5230 \titleformat{\chapter}%
5231   [display]% shape
5232   {\relax\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format ap

```



```

5233 {\itshape\huge\thechapter}% label
5234 {0pt}% horizontal separation between label and title body
5235 {\huge\rmfamily\itshape}% before the title body
5236 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}]% after the title body
5237 \titleformat{\section}%
5238 [hang]% shape
5239 {\normalfont\Large\itshape}% format applied to label+text
5240 {\thesection}% label
5241 {1em}% horizontal separation between label and title body
5242 {}% before the title body
5243 []% after the title body
5244 \titleformat{\subsection}%
5245 [hang]% shape
5246 {\normalfont\large\itshape}% format applied to label+text
5247 {\thesubsection}% label
5248 {1em}% horizontal separation between label and title body
5249 {}% before the title body
5250 []% after the title body
5251 \titleformat{\paragraph}%
5252 [runin]% shape
5253 {\normalfont\itshape}% format applied to label+text
5254 {\theparagraph}% label
5255 {1em}% horizontal separation between label and title body
5256 {}% before the title body
5257 []% after the title body
5258 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5259 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5260 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5261 }
5262 % Subsubsection and following section headings shouldn't be used.
5263 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5264 \renewcommand\subsubsection{%
5265   \biditytetoctocError{\noexpand\subsubsection is undefined by this class.%
5266     \MessageBreak See Robert Bringhurst's _The Elements of
5267     \MessageBreak Typographic Style_, section 4.2.2.
5268     \MessageBreak \noexpand\subsubsection was used}
5269   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5270     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5271     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoctoc.com/.}
5272 }
5273 \renewcommand\subparagraph{%
5274   \biditytetoctocError{\noexpand\subparagraph is undefined by this class.%
5275     \MessageBreak See Robert Bringhurst's _The Elements of
5276     \MessageBreak Typographic Style_, section 4.2.2.
5277     \MessageBreak \noexpand\subparagraph was used}
5278   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5279     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5280     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoctoc.com/.}
5281 }
5282 % Formatting for main TOC (printed in front matter)

```



```

5283% {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5284\ifthenelse{\boolean{@biditytetoc@toc}}{%
5285 \bidi@patch@AfterPackage{bidi}{%
5286 \titlecontents{part}% FIXME
5287 [0em] % distance from left margin
5288 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5289 {\contentslabel{2em}} % before w/label (label = ``II'')
5290 {} % before w/o label
5291 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5292 [\end{fullwidth}] % after
5293 \titlecontents{chapter}%
5294 [0em] % distance from left margin
5295 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5296 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5297 {\hspace*{0em}} % before w/o label
5298 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5299 [\end{fullwidth}] % after
5300 \titlecontents{section}% FIXME
5301 [0em] % distance from left margin
5302 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5303 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5304 {\hspace*{2em}} % before w/o label
5305 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5306 [\end{fullwidth}] % after
5307 \titlecontents{subsection}% FIXME
5308 [0em] % distance from left margin
5309 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5310 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5311 {\hspace*{4em}} % before w/o label
5312 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5313 [\end{fullwidth}] % after
5314 \titlecontents{paragraph}% FIXME
5315 [0em] % distance from left margin
5316 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global for
5317 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5318 {\hspace*{6em}} % before w/o label
5319 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5320 [\end{fullwidth}] % after
5321}%
5322}{%
5323%%
5324% Format lists of figures/tables
5325\renewcommand\listoffigures{%
5326 \ifundefined{chapter}%
5327 {\section*{\listfigurename}}%
5328 {\chapter*{\listfigurename}}%
5329% \begin{fullwidth}%
5330 \starttoc{lof}%
5331% \end{fullwidth}%
5332}

```




```

5333 \renewcommand\listoftables{%
5334   \ifundefined{chapter}%
5335     {\section*{\listtablename}}%
5336     {\chapter*{\listtablename}}%
5337 % \begin{fullwidth}%
5338   \@starttoc{lot}%
5339 % \end{fullwidth}%
5340 }
5341 \newcommand{\@bidityfttoc@lof@line}[2]{%
5342   % #1 is the figure/table number and its caption text
5343   % #2 is the page number on which the figure/table appears
5344   \leftskip 0.0em
5345   \rightskip 0em
5346   \parfillskip 0em plus 1fil
5347   \parindent 0.0em
5348   \@afterindenttrue
5349   \interlinepenalty\@M
5350   \leavevmode
5351   \@tempdima 2.0em
5352   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5353   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5354   {#1}\nobreak\qqquad\nobreak#2%
5355   \par%
5356 }
5357 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
5358 \let\l@table\l@figure

```

24 File bidityftgeneralstructure.sty

```

5359 \NeedsTeXFormat{LaTeX2e}
5360 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5361 bidi implementation of tufte general structure]
5362 \renewcommand\small{%
5363   \@setfontsize\small\@ixpt{12}%
5364   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5365   \abovedisplayshortskip \z@ \@plus2\p@
5366   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5367   \def\@listi{\leftmargin\leftmarginI
5368             \topsep 4\p@ \@plus2\p@ \@minus2\p@
5369             \parsep 2\p@ \@plus\p@ \@minus\p@
5370             \itemsep \parsep}%
5371   \belowdisplayskip \abovedisplayskip
5372 }
5373 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5374 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5375 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5376 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
5377 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5378 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5379 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}

```



```

5380 \setlength\leftmargini {1pc}
5381 \setlength\leftmarginii {1pc}
5382 \setlength\leftmarginiii {1pc}
5383 \setlength\leftmarginiv {1pc}
5384 \setlength\leftmarginv {1pc}
5385 \setlength\leftmarginvi {1pc}
5386 \setlength\labelsep {.5pc}
5387 \setlength\labelwidth {\leftmargini}
5388 \addtolength\labelwidth{-\labelsep}
5389 \setlength{\parindent}{1.0pc}%
5390 \setlength{\parskip}{0pt}%
5391 \RequirePackage{ragged2e}
5392 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5393 % Paragraph indentation and separation for normal text
5394 \newcommand{\@biditytgeneralstructure@reset@par}{%
5395   \setlength{\RaggedRightParindent}{1.0pc}%
5396   \setlength{\JustifyingParindent}{1.0pc}%
5397   \setlength{\parindent}{1pc}%
5398   \setlength{\parskip}{0pt}%
5399 }
5400 \@biditytgeneralstructure@reset@par
5401 % Require paralist package for tighter lists
5402 \RequirePackage{paralist}
5403 % Add rightmargin to compactenum
5404 \def\@compactenum{%
5405   \expandafter\list\csname label\@enumctr\endcsname{%
5406     \usecounter{\@enumctr}%
5407     \rightmargin=2em% added this
5408     \parsep\plparsep
5409     \itemsep\plitemsep
5410     \topsep\pltopsep
5411     \partopsep\plpartopsep
5412     \def\makelabel##1{\hss\llap{##1}}}}
5413 %%
5414 % An environment for paragraph-style section
5415 \providecommand\newthought[1]{%
5416   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5417   \noindent\textbf{#1}%
5418 }
5419 %%
5420 % Redefine the display environments (quote, quotation, etc.)
5421 \renewenvironment{verse}
5422   {\let\@centercr
5423     \list{}\itemsep \z@
5424     \itemindent -1pc%
5425     \listparindent\itemindent
5426     \rightmargin \leftmargin
5427     \advance\leftmargin 1pc}%
5428   \small%
5429   \item\relax}

```



```

5430             {\endlist}
5431 \renewenvironment{quotation}
5432             {\list{}{\listparindent 1pc%
5433                     \itemindent \listparindent
5434                     \rightmargin \leftmargin
5435                     \parsep \z@ \@plus\p@}%
5436             \small%
5437             \item\relax\noindent\ignorespaces}
5438             {\endlist}
5439 \renewenvironment{quote}
5440             {\list{}{\rightmargin\leftmargin}%
5441             \small%
5442             \item\relax}
5443             {\endlist}
5444 % Italicize description run-in headings (instead of the default bold)
5445 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5446 %%
5447 % Redefine \bibsection to not mark the running heads.
5448 % (Code modified from natbib.sty.)
5449 \@ifundefined{chapter}%
5450 {\renewcommand\bibsection{\section*{\refname}}}
5451 {\@ifundefined{NAT@sectionbib}%
5452 {\renewcommand\bibsection{\chapter{\bibname}}}
5453 {\renewcommand\bibsection{\section*{\bibname}}}}
5454 \RequirePackage{multicol}
5455 \renewenvironment{theindex}{%
5456 \@ifundefined{chapter}%
5457 {\section*{\indexname}}%
5458 {\chapter{\indexname}}%
5459 \begin{fullwidth}%
5460 \small%
5461 \parskip0pt%
5462 \parindent0pt%
5463 \let\item\@idxitem%
5464 \begin{multicols}{3}%
5465 }{%
5466 \end{multicols}%
5467 \end{fullwidth}%
5468 }
5469 \AtBeginDocument{%
5470 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5471 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5472 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5473 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5474 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

25 File bidituftehyperref.sty

```

5475 \NeedsTeXFormat{LaTeX2e}
5476 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1

```



```

5477 bidi implementation of tufte hyperref]
5478 %%
5479 % Color
5480 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5481 \newboolean{@biditytuftehyperref@loadhyper}
5482 \setboolean{@biditytuftehyperref@loadhyper}{true}
5483 \DeclareOption{hyper}{\setboolean{@biditytuftehyperref@loadhyper}{true}}
5484 \DeclareOption{nohyper}{\setboolean{@biditytuftehyperref@loadhyper}{false}}
5485 \ProcessOptions
5486 %% Loads the hyperref package and sets some default options.
5487 \newcommand{\biditytuftehyperrefLoadHyperref}{%
5488 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5489 \hypersetup{%
5490     bookmarksdepth = section,
5491     citecolor = DarkGreen,
5492     linkcolor = DarkBlue,
5493 %    pagecolor = DarkBlue,
5494     urlcolor = DarkGreen,
5495 }%
5496 }
5497 \ifthenelse{\boolean{@biditytuftehyperref@loadhyper}}{%
5498 \biditytuftehyperrefLoadHyperref%
5499 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5500 \PassOptionsToPackage[hyperfootnotes=false]{hyperref}
5501 }

```

26 File biditytufтетitle.sty

```

5502 \NeedsTeXFormat{LaTeX2e}
5503 \ProvidesPackage{biditytufтетitle}[2011/06/18 v0.1
5504 bidi implementation of tufte title]
5505 \RequirePackage{biditytools}
5506 %%
5507 % `titlepage' option -- creates a full title page with \maketitle
5508 \newboolean{@biditytufтетitle@titlepage}
5509 \DeclareOption{titlepage}{\setboolean{@biditytufтетitle@titlepage}{true}}
5510 \DeclareOption{notitlepage}{\setboolean{@biditytufтетitle@titlepage}{false}}
5511 % Default `book' and `handout' options
5512 \@ifclassloaded{book}{%
5513 \ExecuteOptions{titlepage}}{%
5514 \@ifclassloaded{article}{%
5515 \ExecuteOptions{notitlepage}}%
5516 {}}
5517 \ProcessOptions
5518 %%
5519 % Modified \title, \author, and \date commands. These store the
5520 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5521 \newcommand{\plaintitle}{}% plain-text-only title
5522 \newcommand{\plainauthor}{}% plain-text-only author
5523 \newcommand{\plainpublisher}{}% plain-text-only publisher

```



```

5524 \newcommand{\thanklesstitle}{}%      full title text minus \thanks{}
5525 \newcommand{\thanklessauthor}{}%    full author text minus \thanks{}
5526 \newcommand{\thanklesspublisher}{}%  full publisher minus \thanks{}
5527 \newcommand{\@publisher}{}% full publisher with \thanks{}
5528 \newcommand{\thedata}{\today}
5529 \bidi@patch@AfterPackage{bidi}{%
5530 \renewcommand{\thanks}[1]{\footnote{#1}}
5531 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5532 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5533 }
5534 \renewcommand{\title}[2][{}]{%
5535 \gdef\@title{#2}%
5536 \begingroup%
5537 % TODO store contents of \thanks command
5538 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5539 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5540 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5541 \protected@xdef\thanklesstitle{#2}%
5542 \endgroup%
5543 \ifthenelse{\isempty{#1}}{%
5544   {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5545   {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5546 \@ifundefined{hypersetup}%
5547   {}% hyperref is not loaded; do nothing
5548   {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5549 }
5550 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5551 \renewcommand{\author}[2][{}]{%
5552 \ifthenelse{\isempty{#2}}{\}{\gdef\@author{#2}}%
5553 \begingroup%
5554 % TODO store contents of \thanks command
5555 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5556 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5557 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5558 \protected@xdef\thanklessauthor{#2}%
5559 \endgroup%
5560 \ifthenelse{\isempty{#1}}{%
5561   {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5562   {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5563 \@ifundefined{hypersetup}%
5564   {}% hyperref is not loaded; do nothing
5565   {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5566 }
5567 \renewcommand{\date}[1]{%
5568 \gdef\@date{#1}%
5569 \begingroup%
5570 % TODO store contents of \thanks command
5571 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5572 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5573 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents

```



```

5574 \protected@xdef\thedata{#1}%
5575 \endgroup%
5576 }
5577 %%
5578 % Provides a \publisher command to set the publisher
5579 \newcommand{\publisher}[2] [] {%
5580 \gdef\@publisher{#2}%
5581 \begingroup%
5582 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5583 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5584 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5585 \protected@xdef\thanklesspublisher{#2}%
5586 \endgroup%
5587 \ifthenelse{\isempty{#1}}
5588 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5589 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5590 }
5591 %%
5592 % Produces a full title page
5593 \newcommand{\maketitlepage}[0] {%
5594 \cleardoublepage%
5595 {%
5596 \bfseries%
5597 \begin{fullwidth}%
5598 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5599 \vspace{11.5pc}%
5600 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5601 \vfill%
5602 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5603 \end{fullwidth}%
5604 }
5605 \thispagestyle{empty}%
5606 \clearpage%
5607 }
5608 %%
5609 % Title block
5610 \bidi@AfterEndPreamble{%
5611 \renewcommand{\maketitle}{%
5612 \newpage%
5613 \global\@topnum\z@% prevent floats from being placed at the top of the page
5614 \begingroup%
5615 \setlength{\parindent}{0pt}%
5616 \setlength{\parskip}{4pt}%
5617 \let\@title\@empty%
5618 \let\@author\@empty%
5619 \let\@date\@empty%
5620 \gdef\@title{\LARGE\itshape\@title\par}%
5621 \gdef\@author{\Large\itshape\@author\par}%
5622 \gdef\@date{\Large\itshape\@date\par}%
5623 \@title%

```



```

5624 \@@author%
5625 \@@date%
5626 \endgroup%
5627 \thispagestyle{plain}% suppress the running head
5628 }%
5629 }
5630 %%
5631 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
5632 % class.)
5633 \bidentitetitle@AfterEndPreamble{%
5634 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5635 {\renewcommand{\maketitle}{\maketitlepage}}
5636 {}
5637 }
5638 %%
5639 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5640 % without headers and footers
5641 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5642 \hbox{}
5643 %\vspace*{\fill}
5644 %\begin{center}
5645 % This page intentionally contains only this sentence.
5646 %\end{center}
5647 %\vspace{\fill}
5648 \thispagestyle{empty}
5649 \newpage
5650 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

27 File bidentufte-handout.cls

```

5651 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5652 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5653 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5654 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5655 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5656 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5657 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5658 \ProcessOptions\relax
5659 \LoadClass{article}
5660 \RequirePackage{bidentuftefloat}
5661 \RequirePackage{bidentuftesidenote}
5662 \RequirePackage{bidentuftetoc}
5663 \RequirePackage{bidentuftegeneralstructure}
5664 \RequirePackage{bidentuftehyperref}
5665 \RequirePackage{bidentuftetitle}
5666 \renewenvironment{abstract}
5667 {\begin{quotation}}
5668 {\end{quotation}}
5669 \AtBeginDocument{%
5670 \IfFileExists{bidentufte-handout.cfg}

```



```

5671 {\input{biditufte-handout.cfg}
5672 \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5673 {}%
5674 }

```

28 File biditufte-book.cls

```

5675 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5676 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5677 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5678 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5679 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5680 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5681 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5682 \ProcessOptions\relax
5683 \LoadClass{book}
5684 \RequirePackage{bidituftefloat}
5685 \RequirePackage{bidituftesidenote}
5686 \RequirePackage{bidituftetoc}
5687 \RequirePackage{bidituftegeneralstructure}
5688 \RequirePackage{bidituftehyperref}
5689 \RequirePackage{bidituftetitle}
5690 %%
5691 % Set up any book-specific stuff now
5692 %%
5693 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5694 % to the opening page of Chapter 1. The running heads, when they appear,
5695 % contain only the (arabic) page number in the outside corner.
5696 %\newif\if@mainmatter \@mainmattertrue
5697 \renewcommand\frontmatter{%
5698   \cleardoublepage%
5699   \@mainmatterfalse%
5700   \pagenumbering{arabic}%
5701   %\pagestyle{plain}%
5702   \fancyhf{}}%
5703   \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
5704     {\fancyhead[LE,RO]{\thepage}}%
5705     {\fancyhead[RE,RO]{\thepage}}%
5706 }
5707 %%
5708 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5709 % numbering---it continues where it left off in the front matter.
5710 \renewcommand\mainmatter{%
5711   \cleardoublepage%
5712   \@mainmattertrue%
5713   \fancyhf{}}%
5714   \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
5715     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
5716     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5717     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}}% chapter title

```




```

5718      {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5719 }
5720 %%
5721 % The back matter contains appendices, indices, glossaries, endnotes,
5722 % biliographies, list of contributors, illustration credits, etc.
5723 \renewcommand\backmatter{%
5724   \if@openright%
5725     \cleardoublepage%
5726   \else%
5727     \clearpage%
5728   \fi%
5729   \@mainmatterfalse%
5730 }
5731 %%
5732 % Only show the chapter titles in the table of contents
5733 \setcounter{tocdepth}{0}
5734 \AtBeginDocument{%
5735   \IfFileExists{biditufte-book.cfg}
5736   {\input{biditufte-book.cfg}
5737    \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5738   {}%
5739 }

```

29 File bidipoem.sty

```

5740 \NeedsTeXFormat{LaTeX2e}
5741 \ProvidesPackage{bidipoem}%
5742 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5743
5744 % Usage:
5745 %
5746 % \Setversedim #1#2 % define the layout (within a group):
5747 % #1 = length of both half-verses
5748 % #2 = separation distance = length of a connection, if present
5749 % Variant:
5750 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5751 % #1 = length of first (=right) half-verse
5752 % #2 = length of second (=left) half-verse
5753 % #3 = separation distance = length of a connection, if present
5754 %
5755 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5756 % #1 = text of first (=right) half-verse
5757 % #2 = text of second (=left) half-verse
5758 % Variant:
5759 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5760 % #1 = text of first (=right) half-verse
5761 % #2 = text of connection
5762 % #3 = text of second (=left) half-verse
5763 %
5764 % Alternative (if preferred):

```



```

5765 %
5766 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5767
5768
5769 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5770
5771 % define the layout, verses will be centered
5772
5773 \newdimen \bidipoem@hrlen \newdimen \bidipoem@hvsep
5774 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hrlen
5775
5776 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5777 \bidipoem@hvind \textwidth
5778 \bidipoem@hrlen #1\relax \advance \bidipoem@hvind -\bidipoem@hrlen
5779 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5780 \bidipoem@@hrlen \bidipoem@hrlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
5781
5782 \def \bidipoem@set@verseI [#1]{% optional parameter
5783 \bidipoem@@hrlen #1\relax \bidipoem@set@@verse }
5784
5785 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5786 \advance \bidipoem@hvind -\bidipoem@@hrlen \bidipoem@hvsep #1\relax
5787 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5788
5789 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5790 \ifdim Opt > \bidipoem@hvind %
5791 \bidipoem@spreadbox \bidipoem@hrlen {#1}\\ \hfill % first block
5792 \else
5793 \noindent \hspace \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hrlen {#1}\fi
5794 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5795 \bidipoem@spreadbox \bidipoem@@hrlen {#3}% second block
5796 \par }
5797
5798 % macro for two half verses
5799 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5800 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]%
5801 \else\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5802 \bidipoem@half@verses@next}
5803
5804 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5805 \traditionalconnverses {#1}{#2}{#3}}
5806
5807
5808 {\catcode\^M=\active % these lines must end with %
5809 \gdef\traditionalpoem@obeylines{\catcode\^M=\active \let\^M\traditionalpoem@par}%
5810 \global\let\^M\traditionalpoem@par} % this is in case ^M appears in a \write
5811 {\catcode\^M=\active % these lines must end with %
5812 \gdef\modernpoem@obeylines{\catcode\^M=\active \let\^M\modernpoem@par}%
5813 \global\let\^M\modernpoem@par} % this is in case ^M appears in a \write
5814 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}

```



```

5815 \def\poemmarginskip{1em plus 1fil minus 1em}
5816 \def\poemextrabaseskip{0\baselineskip}
5817 \def\poemskip{\medskip}
5818 \newcommand{\bidipoem@openbox}{\leavevmode
5819   \hbox to.77778em{%
5820     \hfil\vrule
5821     \vbox to.675em{\hrule width.6em\vfil\hrule}%
5822     \vrule\hfil}}
5823 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5824 \newdimen\versewidth
5825 \newtoks\bidipoem@p@ftn
5826 \def\poem@verse#1{%
5827   \ifdim\wd#1>\new@poem@width
5828   \xdef\new@poem@width{\the\wd#1}%
5829   \ifdim\new@poem@width>\poem@width
5830   \xdef\poem@width{\new@poem@width}%
5831   \global\let\poem@needrun\relax
5832   \fi
5833   \fi
5834   \hbox to\poem@width{\unhbox#1}%
5835   \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5836 }
5837 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmarginskip\relax}
5838 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
5839 \def\poem@lineversesep{%
5840 \nobreak
5841 \hskip\z@ plus 1filll%
5842 \penalty600%
5843 \hskip\poemcolsepskip
5844 \hskip\z@ plus -2filll%
5845 \vadjust{}}%
5846 \nobreak
5847 \hskip\z@ plus 1filll%
5848 }
5849 \def\poem@lineparsebegin{%
5850 \halign\bgroup
5851 \global\setbox\verse@i=\hbox{%
5852 \let\@footnotetext\bidipoem@p@ftntext%
5853 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5854 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5855 \let\@xfootnotenext\bidipoem@p@xftntext%
5856 \let\@xfootnote\bidipoem@p@xfootnote%
5857 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5858 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5859 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5860 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5861 \ignorespaces##\unskip}&&
5862 \global\setbox\verse@ii=\hbox{%
5863 \let\@footnotetext\bidipoem@p@ftntext%
5864 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%

```



```

5865 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5866 \let\@xfootnotenext\bidipoem@p@xftntext%
5867 \let\@xfootnote\bidipoem@p@xfootnote%
5868 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5869 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5870 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5871 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5872 \ignorespaces##\unskip}
5873 \cr
5874 }
5875 \def\poem@lineparseend{%
5876 \crr\egroup
5877 \vskip-\baselineskip
5878 }
5879 \def\traditionalpoem@cr{%
5880 \cr\poem@line
5881 }
5882 \newbox\verse@i
5883 \newbox\verse@ii
5884 \newif\ifpoem@started
5885
5886 \def\poem@line{%
5887 \poem@lineparseend
5888 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5889 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5890 \ifpoem@started
5891 \ifdim\wd\verse@ii>\z@\else
5892 \nopagebreak[3]
5893 \fi
5894 \leavevmode
5895 \poem@linebegin
5896 \poem@verse\verse@i
5897 \ifdim\wd\verse@ii>\z@
5898 \poem@lineversesep
5899 \poem@verse\verse@ii
5900 \fi
5901 \poem@lineend
5902 % \nopagebreak
5903 \par
5904 \vskip\poemextrabaselineskip
5905 \fi
5906 \poem@lineparsebegin
5907 }
5908 \def\@traditionalpoem{%
5909 \stepcounter{poem@no}
5910 \ifnum\max@poem@no<\number\c@poem@no%
5911 \xdef\poem@width{\z@}%
5912 \else
5913 \xdef\poem@width{\poem@prop{poem@width}}%
5914 \fi

```



```

5915 \xdef\new@poem@width{\z@}%
5916 \global\versewidth=\poem@width
5917 \poemskip\par
5918 \begingroup
5919 \tabskip=\z@
5920 \parskip=\z@
5921 \parindent=\z@
5922 \parfillskip=\z@
5923 \rightskip=\z@
5924 \leftskip=\z@
5925 \widowpenalty=10000% No break between verses of the same line.
5926 \clubpenalty=10000% Same as above. Not really needed.
5927 \def\newblock{\hfil\poemblocksep\hfil\null}%
5928 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5929 \def\{\{\global\poem@startedtrue\traditionalpoem@cr\}%
5930 \global\poem@startedfalse
5931 \csname poem@obeylines\endcsname
5932 \let\poem@obeylines\relax
5933 \poem@lineparsebegin
5934 }
5935 \def\@endtraditionalpoem{%
5936 \cr
5937 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5938 \noalign{%
5939 \skip0=\poemextrabaseskip
5940 \vskip-\skip0
5941 \vskip-\baselineskip
5942 }%
5943 \fi\fi
5944 \poem@lineparseend
5945 \endgroup
5946 \par
5947 \vskip\baselineskip
5948 \poemskip
5949 \if@nparlist \else
5950 \ifdim\lastskip >\z@
5951 \@tempkipa\lastskip \vskip -\lastskip
5952 \advance\@tempkipa\parskip \advance\@tempkipa -\@outerparskip
5953 \vskip\@tempkipa
5954 \fi
5955 \@endparenv
5956 \fi
5957 \ifdim\new@poem@width<\poem@width
5958 \global\let\poem@needrun\relax
5959 \fi
5960 \poem@write@aux{\poem@width\romannumeral\c@poem@no}{\new@poem@width}%
5961 \ifx\AtEndDocument\undefined\poem@finish\fi
5962 }
5963
5964

```



```

5965 \long\def\bidipoem@p@ftntext#1{%
5966   \edef\@temp{x\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
5967   \global\bidipoem@p@ftn\expandafter{\@temp{#1}}}%
5968 \long\def\bidipoem@p@LTRftntext#1{%
5969   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
5970   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5971 \long\def\bidipoem@p@RTLftntext#1{%
5972   \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
5973   \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5974
5975 \long\def\bidipoem@p@xftntext[#1]#2{%
5976   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5977
5978 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5979   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5980
5981 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5982   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5983
5984 \def\bidipoem@p@xfootnote[#1]{%
5985   \begingroup
5986     \csname c@\@mpfn\endcsname #1\relax
5987     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5988   \endgroup
5989   \@footnotemark\bidipoem@p@xftntext[#1]}
5990
5991 \def\bidipoem@p@xLTRfootnote[#1]{%
5992   \begingroup
5993     \csname c@\@mpfn\endcsname #1\relax
5994     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5995   \endgroup
5996   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5997
5998 \def\bidipoem@p@xRTLfootnote[#1]{%
5999   \begingroup
6000     \csname c@\@mpfn\endcsname #1\relax
6001     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6002   \endgroup
6003   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6004
6005
6006
6007 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6008 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl}
6009 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6010 \def\poem@finish{%
6011   \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6012   \ifx\poem@needrun\relax
6013     \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
6014     \global\let\poem@needrun\undefined

```



```

6015 \fi
6016 }
6017 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6018 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6019 \ifx\max@poem@no\undefined
6020     \def\max@poem@no{0}%
6021 \fi
6022 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
6023 \newcommand{\poem@write@aux}[2]{%
6024     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6025     \@x
6026 }
6027 \def\@modernpoem{%
6028 \par
6029 \begingroup
6030 \parskip=\z@
6031 \parindent=\z@
6032 \def\[\{\@settab\@tabplus\ignorespaces}%
6033 \def\]\{\@tabminus\ignorespaces}%
6034 \def\newblock{\poemblocksep}%
6035 \let\newpoem@tabcr\@tabcr
6036 \def\modernpoem@par{% Redefine \par for possible \obeylines
6037     \ifpoem@started\else
6038         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6039             \@stopfield
6040             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6041             \@contfield
6042         \fi
6043     \fi
6044     \ifpoem@started\newpoem@tabcr\fi}%
6045 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6046 \global\poem@startedfalse
6047 \csname poem@obeylines\endcsname
6048 \let\poem@obeylines\relax
6049 \begin{tabbing}%
6050 }
6051 \def\@endmodernpoem{%
6052 \global\poem@startedfalse
6053 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6054     \@stopfield
6055     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6056     \@contfield
6057 \fi
6058 \ifpoem@started\else\let\@stopline\@stopfield\fi
6059 \end{tabbing}%
6060 \endgroup
6061 \par
6062 \if@nparlist \else
6063     \ifdim\lastskip >\z@
6064         \@tempkipa\lastskip \vskip -\lastskip

```



```

6065 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6066 \vskip\@tempskipa
6067 \fi
6068 \@endparenv
6069 \fi
6070 }
6071 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6072 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modern
6073 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6074 \gdef\@startfield{%
6075 \global\setbox\@curfield\hbox\bgroup%
6076 \let\@footnotetext\bidipoem@p@ftntext%
6077 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6078 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6079 \let\@xfootnotenext\bidipoem@p@xftntext%
6080 \let\@xfootnote\bidipoem@p@xfootnote%
6081 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6082 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6083 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6084 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6085 \color@begingroup}
6086 \gdef\@stopfield{%
6087 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6088 \gdef\@contfield{%
6089 \global\setbox\@curfield\hbox\bgroup%
6090 \let\@footnotetext\bidipoem@p@ftntext%
6091 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6092 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6093 \let\@xfootnotenext\bidipoem@p@xftntext%
6094 \let\@xfootnote\bidipoem@p@xfootnote%
6095 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6096 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6097 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6098 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6099 \color@begingroup\unhbox\@curfield}

```

30 File boek3-xetex-bidi.def

```

6100 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6101 \renewenvironment{theindex}{%
6102 \if@twocolumn
6103 \@restonecolfalse
6104 \else
6105 \@restonecoltrue
6106 \fi
6107 \columnseprule \z@
6108 \columnsep 35\p@
6109 \twocolumn[\@makeschapterhead{\indexname}]{%
6110 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
6111 \thispagestyle{plain}\parindent\z@

```




```

6112 \parskip\z@ \@plus .3\p@\relax
6113 \let\item\@idxitem
6114 }{%
6115 \if@restonecol\onecolumn\else\clearpage\fi}
6116 \renewcommand*{\headstyle}{%
6117   \interlinepenalty \@M
6118   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6119   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6120 \renewcommand*{\@regtocline[3]}{%
6121   \ifnum #1>\c@tocdepth
6122   \else
6123     \vskip\z@\@plus.2\p@
6124     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6125     \if@RTL\rightskip\else\leftskip\fi\unitindent
6126     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6127     \parfillskip\z@
6128     \@tempdima\unitindent
6129     \parindent\z@
6130     \leavevmode
6131     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6132     \hskip 1em \nobreak{\slshape #3}\par
6133     }%
6134   \fi}
6135 \if@oldtoc
6136 \renewcommand*{\l@part[2]}{%
6137   \ifnum \c@tocdepth >-2\relax
6138     \addpenalty{-\@highpenalty}%
6139     \addvspace{2.25em \@plus\p@}%
6140     \begingroup
6141       \setlength\@tempdima{3em}%
6142       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6143       \parfillskip -\@pnumwidth
6144       {\leavevmode
6145         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6146         \nobreak
6147         \global\@nobreaktrue
6148         \everypar{\global\@nobreakfalse\everypar{}}%
6149       \endgroup
6150   \fi}
6151 \else
6152 \renewcommand*{\l@part}{%
6153   \ifnum \c@tocdepth >-2\relax
6154     \addpenalty{-\@highpenalty}%
6155     \addvspace{2.25em \@plus \p@}%
6156     \@regtocline{0}%
6157   \fi}
6158 \fi
6159 \if@oldtoc
6160 \renewcommand*{\l@chapter[2]}{%
6161   \addpenalty{-\@highpenalty}%

```



```

6162 \vskip 1.0em \@plus\p@
6163 \setlength\@tempdima{1.5em}%
6164 \beginingroup
6165 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6166 \parfillskip -\@pnumwidth
6167 \leavevmode \bfseries
6168 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6169 \hskip -\if@RTL\rightskip\else\leftskip\fi
6170 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6171 \penalty\@highpenalty
6172 \endgroup}
6173 \else
6174 \renewcommand*\l@chapter{\@regtocline{0}}
6175 \fi
6176 \renewenvironment{abstract}{%
6177 \titlepage
6178 \null\vfil
6179 \section*{\SectFont \abstractname}
6180 \noindent\ignorespaces}
6181 {\par\vfil\null\endtitlepage}
6182 \renewenvironment{thebibliography}[1]
6183 {\chapter*{\bibname}%
6184 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6185 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6186 \bidi@@thebibliography@font@hook%
6187 \list{\@biblabel{\@arabic\c@enumiv}}%
6188 {\settowidth\labelwidth{\@biblabel{#1}}%
6189 \leftmargin\labelwidth
6190 \advance\leftmargin\labelsep
6191 \@openbib@code
6192 \usecounter{enumiv}%
6193 \let\p@enumiv\@empty
6194 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6195 \sloppy\clubpenalty4000\widowpenalty4000%
6196 \sfcode`. \@m}
6197 {\def\@noitemerr
6198 {\@latex@warning{Empty `thebibliography' environment}}}%
6199 \endlist}
6200 \renewcommand*\left@footnoterule{%
6201 \kern-3\p@
6202 \kern.5\baselineskip
6203 \hrule\@width\unitindent
6204 \kern.4\baselineskip
6205 }
6206 \renewcommand*\right@footnoterule{%
6207 \kern-3\p@
6208 \kern.5\baselineskip
6209 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6210 \kern.4\baselineskip}
6211 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}

```



```

6212 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6213 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6214 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6215 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6216 \renewcommand*\theequation{%
6217   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6218 \renewcommand*\thefigure{%
6219   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6220 \renewcommand*\thetable{%
6221   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6222 \renewcommand*\maketitle{%
6223   \begin{titlepage}%
6224     \let\footnotesize\small
6225     \let\right@footnoterule\relax
6226     \let\left@footnoterule\relax
6227     \let\textwidth@footnoterule\relax
6228     \let \footnote \thanks
6229     \long\def\@makefnmark##1{\parindent\z@
6230       \def\labelitemi{\textendash}\@revlabeltrue
6231       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6232     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6233     \if@compatibility\setcounter{page}{0}\fi
6234     \null\vfil
6235     \vskip 60\p@
6236     \begin{center}%
6237       \TitleFont
6238       {\LARGE \def\\{\penalty -\@M}
6239         \if@allcaps
6240           \expandafter\uc@nothanks\@title\thanks\relax
6241         \else
6242           \@title
6243         \fi\par}%
6244       \vskip 3em%
6245       {\large
6246         \lineskip .75em \parindent\z@
6247         \begin{tabular}[t]{c}%
6248           \if@allcaps
6249             \expandafter\uc@author\@author\and\relax
6250           \else
6251             \@author
6252           \fi
6253         \end{tabular}\par}%
6254       \vskip 1.5em%
6255       {\large
6256         \if@allcaps
6257           \uppercase\expandafter{\@date}%
6258         \else
6259           \@date
6260         \fi\par}%
6261     \end{center}\par

```



```

6262 \thanks
6263 \vfil\null
6264 \end{titlepage}%
6265 \setcounter{footnote}{0}%
6266 \global\let\thanks\relax
6267 \global\let\maketitle\relax
6268 \global\let\@thanks\@empty
6269 \global\let\@author\@empty
6270 \global\let\@title\@empty
6271 \global\let\@date\@empty
6272 \global\let\title\relax
6273 \global\let\author\relax
6274 \global\let\date\relax
6275 \global\let\and\relax
6276 }

```

31 File boek-xetex-bidi.def

```

6277 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
6278 \renewenvironment{theindex}{%
6279 \if@twocolumn
6280 \@restonecolfalse
6281 \else
6282 \@restonecoltrue
6283 \fi
6284 \columnseprule \z@
6285 \columnsep 35\p@
6286 \twocolumn[\@makeschapterhead{\indexname}]{%
6287 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
6288 \thispagestyle{plain}\parindent\z@
6289 \parskip\z@ \@plus .3\p@\relax
6290 \let\item\@idxitem
6291 }{%
6292 \if@restonecol\onecolumn\else\clearpage\fi}
6293 \renewcommand*{\head@style}{%
6294 \interlinepenalty \@M
6295 \hyphenpenalty=\@M \exhyphenpenalty=\@M
6296 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6297 \renewcommand*{\@regtocline}[3]{%
6298 \ifnum #1>\c@tocdepth
6299 \else
6300 \vskip\z@ \@plus.2\p@
6301 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6302 \if@RTL\rightskip\else\leftskip\fi\unitindent
6303 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6304 \parfillskip\z@
6305 \@tempdima\unitindent
6306 \parindent\z@
6307 \leavevmode
6308 \hbox{}}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak

```



```

6309     \hskip 1em \nobreak{\slshape #3}\par
6310   }%
6311 \fi}
6312 \if@oldtoc
6313 \renewcommand*\l@part[2]{%
6314   \ifnum \c@tocdepth >-2\relax
6315     \addpenalty{-\@highpenalty}%
6316     \addvspace{2.25em \@plus\p@}%
6317     \begingroup
6318       \setlength\@tempdima{3em}%
6319       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6320       \parfillskip -\@pnumwidth
6321       {\leavevmode
6322         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6323         \nobreak
6324         \global\@nobreaktrue
6325         \everypar{\global\@nobreakfalse\everypar{}}%
6326       \endgroup
6327     \fi}
6328 \else
6329   \renewcommand*\l@part{%
6330     \ifnum \c@tocdepth >-2\relax
6331       \addpenalty{-\@highpenalty}%
6332       \addvspace{2.25em \@plus \p@}%
6333       \@regtocline{0}%
6334     \fi}
6335 \fi
6336 \if@oldtoc
6337 \renewcommand*\l@chapter[2]{%
6338   \addpenalty{-\@highpenalty}%
6339   \vskip 1.0em \@plus\p@
6340   \setlength\@tempdima{1.5em}%
6341   \begingroup
6342     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6343     \parfillskip -\@pnumwidth
6344     \leavevmode \bfseries
6345     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6346     \hskip -\if@RTL\rightskip\else\leftskip\fi
6347     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6348     \penalty\@highpenalty
6349   \endgroup}
6350 \else
6351   \renewcommand*\l@chapter{\@regtocline{0}}
6352 \fi
6353 \renewcommand*\left@footnoterule{%
6354   \kern-3\p@
6355   \kern.5\baselineskip
6356   \hrule\@width\unitindent
6357   \kern.4\baselineskip
6358 }

```



```

6359 \renewcommand*\right@footnoterule{%
6360   \kern-3\p@
6361   \kern.5\baselineskip
6362   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6363   \kern.4\baselineskip}
6364 \renewenvironment{abstract}{%
6365   \titlepage
6366   \null\vfil
6367   \section*{\SectFont \abstractname}
6368   \noindent\ignorespaces}
6369   {\par\vfil\null\endtitlepage}
6370 \renewenvironment{thebibliography}[1]
6371   {\chapter*{\bibname}%
6372    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6373    \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
6374    \bidi@thebibliography@font@hook%
6375    \list{\@biblabel{\@arabic\c@enumiv}}%
6376      {\settowidth\labelwidth{\@biblabel{#1}}%
6377       \leftmargin\labelwidth
6378       \advance\leftmargin\labelsep
6379       \@openbib@code
6380       \usecounter{enumiv}%
6381       \let\p@enumiv\@empty
6382       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6383    \sloppy\clubpenalty4000\widowpenalty4000%
6384    \sfcode`\.\@m}
6385    {\def\@noitemerr
6386     {\@latex@warning{Empty `thebibliography' environment}}}%
6387    \endlist}
6388 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6389 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6390 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6391 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6392 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6393 \renewcommand*\theequation{%
6394   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6395 \renewcommand*\thefigure{%
6396   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6397 \renewcommand*\thetable{%
6398   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6399 \renewcommand*\maketitle{%
6400   \begin{titlepage}%
6401     \let\footnotesize\small
6402     \let\right@footnoterule\relax
6403     \let\left@footnoterule\relax
6404     \let\textwidth\footnoterule\relax
6405     \let \footnote \thanks
6406     \long\def\@makefnmark##1{\parindent\z@
6407       \def\labelitemi{\textendash}\@revlabeltrue
6408       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}

```



```

6409 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6410 \if@compatibility\setcounter{page}{0}\fi
6411 \null\vfil
6412 \vskip 60\p@
6413 \begin{center}%
6414 \TitleFont
6415 {\LARGE \def\{\penalty -\@M}
6416 \if@allcaps
6417 \expandafter\uc@nothanks\@title\thanks\relax
6418 \else
6419 \@title
6420 \fi\par}%
6421 \vskip 3em%
6422 {\large
6423 \lineskip .75em \parindent\z@
6424 \begin{tabular}[t]{c}%
6425 \if@allcaps
6426 \expandafter\uc@authornothanks\@author\and\relax
6427 \else
6428 \@author
6429 \fi
6430 \end{tabular}\par}%
6431 \vskip 1.5em%
6432 {\large
6433 \if@allcaps
6434 \uppercase\expandafter{\@date}%
6435 \else
6436 \@date
6437 \fi\par}%
6438 \end{center}\par
6439 \@thanks
6440 \vfil\null
6441 \end{titlepage}%
6442 \setcounter{footnote}{0}%
6443 \global\let\thanks\relax
6444 \global\let\maketitle\relax
6445 \global\let\@thanks\@empty
6446 \global\let\@author\@empty
6447 \global\let\@title\@empty
6448 \global\let\@date\@empty
6449 \global\let\title\relax
6450 \global\let\author\relax
6451 \global\let\date\relax
6452 \global\let\and\relax
6453 }

```

32 File bookest-xetex-bidi.def

```

6454 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6455 \def\@makechapterhead#1{%

```



```

6456 \vspace*{20\p@}
6457 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6458   \ifnum \c@secnumdepth >\m@ne
6459     \if@mainmatter
6460       {\colorA\huge\scshape \@chapapp\space \thechapter}
6461       \par\nobreak
6462       \vskip 10\p@
6463     \fi
6464   \fi
6465   \interlinepenalty\@M
6466   {\colorB\hrule}
6467   \vskip 15\p@
6468   \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6469     {\colorA\Huge \bfseries #1}\par\nobreak
6470   \if@RTL\end{flushleft}\else\end{flushright}\fi
6471   \vskip 5\p@
6472   {\colorB\hrule}
6473   \vskip 30\p@
6474   }}
6475 \def\@makeschapterhead#1{%
6476   \vspace*{20\p@}
6477   {\parindent \z@ \raggedright \normalfont
6478   {\colorB\hrule}
6479   \vskip 15\p@
6480   \begin{center}
6481     {\colorA\Huge \bfseries #1}\par\nobreak
6482   \end{center}
6483   \vskip 5\p@
6484   {\colorB\hrule}
6485   \vskip 30\p@
6486   }}

```

33 File book-xetex-bidi.def

```

6487 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6488 \renewenvironment{theindex}
6489     {\if@twocolumn
6490       \@restonecolfalse
6491     \else
6492       \@restonecoltrue
6493     \fi
6494     \columnseprule \z@
6495     \columnsep 35\p@
6496     \twocolumn[\@makeschapterhead{\indexname}]%
6497     \mkboth{\MakeUppercase\indexname}%
6498             {\MakeUppercase\indexname}%
6499     \thispagestyle{plain}\parindent\z@
6500     \parskip\z@ \@plus .3\p@\relax
6501     \let\item\@idxitem}
6502     {\if@restonecol\onecolumn\else\clearpage\fi}

```




```

6503 \@ifclassloaded{bookest}{}{%
6504   \if@titlepage
6505     \renewcommand\maketitle{\begin{titlepage}%
6506       \let\footnotesize\small
6507       \let\right@footnoterule\relax
6508       \let\left@footnoterule\relax
6509       \let\textwidth@footnoterule\relax
6510       \let \footnote \thanks
6511       \let \LTRfootnote \LTRthanks
6512       \let \RTLfootnote \RTLthanks
6513       \null\vfil
6514       \vskip 60\p@
6515       \begin{center}%
6516         {\LARGE \@title \par}%
6517         \vskip 3em%
6518         {\large
6519           \lineskip .75em%
6520           \begin{tabular}[t]{c}%
6521             \@author
6522           \end{tabular}\par}%
6523           \vskip 1.5em%
6524           {\large \@date \par}%           % Set date in \large size.
6525       \end{center}\par
6526       \@thanks
6527       \vfil\null
6528     \end{titlepage}%
6529     \setcounter{footnote}{0}%
6530     \global\let\thanks\relax
6531     \global\let\LTRthanks\relax
6532     \global\let\RTLthanks\relax
6533     \global\let\maketitle\relax
6534     \global\let\@thanks\@empty
6535     \global\let\@author\@empty
6536     \global\let\@date\@empty
6537     \global\let\@title\@empty
6538     \global\let\title\relax
6539     \global\let\author\relax
6540     \global\let\date\relax
6541     \global\let\and\relax
6542 }
6543 \else
6544 \renewcommand\maketitle{\par
6545   \begingroup
6546     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6547     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6548     \long\def\@makefntext##1{\parindent 1em\noindent
6549       \hb@xt@1.8em{%
6550         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6551     \if@twocolumn
6552       \ifnum \col@number=\@ne

```



```

6553         \@maketitle
6554     \else
6555         \twocolumn[\@maketitle]%
6556     \fi
6557 \else
6558     \newpage
6559     \global\@topnum\z@    % Prevents figures from going at top of page.
6560     \@maketitle
6561 \fi
6562 \thispagestyle{plain}\@thanks
6563 \endgroup
6564 \setcounter{footnote}{0}%
6565 \global\let\thanks\relax
6566 \global\let\LTRthanks\relax
6567 \global\let\RTLthanks\relax
6568 \global\let\maketitle\relax
6569 \global\let\@maketitle\relax
6570 \global\let\@thanks\@empty
6571 \global\let\@author\@empty
6572 \global\let\@date\@empty
6573 \global\let\@title\@empty
6574 \global\let\title\relax
6575 \global\let\author\relax
6576 \global\let\date\relax
6577 \global\let\and\relax
6578 }
6579 \def\@maketitle{%
6580     \newpage
6581     \null
6582     \vskip 2em%
6583     \begin{center}%
6584         \let \footnote \thanks
6585         \let \LTRfootnote \LTRthanks
6586         \let \RTLfootnote \RTLthanks
6587         {\LARGE \@title \par}%
6588         \vskip 1.5em%
6589         {\large
6590             \lineskip .5em%
6591             \begin{tabular}[t]{c}%
6592                 \@author
6593             \end{tabular}\par}%
6594         \vskip 1em%
6595         {\large \@date}%
6596     \end{center}%
6597     \par
6598     \vskip 1.5em}
6599 \fi}
6600 \renewcommand*\l@part[2]{%
6601     \ifnum \c@tocdepth >-2\relax
6602         \addpenalty{-\@highpenalty}%

```



```

6603 \addvspace{2.25em \@plus\p@}%
6604 \setlength\@tempdima{3em}%
6605 \begingroup
6606 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6607 \parfillskip -\@pnumwidth
6608 {\leavevmode
6609 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6610 \nobreak
6611 \global\@nobreaktrue
6612 \everypar{\global\@nobreakfalse\everypar{}}%
6613 \endgroup
6614 \fi}
6615 \renewcommand*\l@chapter[2]{%
6616 \ifnum \c@tocdepth >\m@ne
6617 \addpenalty{-\@highpenalty}%
6618 \vskip 1.0em \@plus\p@
6619 \setlength\@tempdima{1.5em}%
6620 \begingroup
6621 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6622 \parfillskip -\@pnumwidth
6623 \leavevmode \bfseries
6624 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6625 \hskip -\if@RTL\rightskip\else\leftskip\fi
6626 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6627 \penalty\@highpenalty
6628 \endgroup
6629 \fi}
6630 \renewcommand\left@footnoterule{%
6631 \kern-3\p@
6632 \hrule\@width.4\columnwidth
6633 \kern2.6\p@}
6634 \renewcommand\right@footnoterule{%
6635 \kern-3\p@
6636 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6637 \kern2.6\p@}
6638 \renewcommand\theequation
6639 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6640 \renewcommand \thefigure
6641 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6642 \renewcommand \thetable
6643 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6644 \renewcommand \thechapter {\@arabic\c@chapter}
6645 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6646 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6647 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6648 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6649 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6650 \def\@makechapterhead#1{%
6651 \vspace*{50\p@}%
6652 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont

```



```

6653 \ifnum \c@secnumdepth >\m@ne
6654 \if@mainmatter
6655 \huge\bfseries \@chapapp\space \thechapter
6656 \par\nobreak
6657 \vskip 20\p@
6658 \fi
6659 \fi
6660 \interlinepenalty\@M
6661 \Huge \bfseries #1\par\nobreak
6662 \vskip 40\p@
6663 }}
6664 \def\@makeschapterhead#1{%
6665 \vspace*{50\p@}%
6666 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6667 \normalfont
6668 \interlinepenalty\@M
6669 \Huge \bfseries #1\par\nobreak
6670 \vskip 40\p@
6671 }}
6672 \renewcommand\backmatter{%
6673 \if@openright
6674 \cleardoublepage
6675 \else
6676 \clearpage
6677 \fi
6678 \@mainmatterfalse}
6679 \renewenvironment{thebibliography}[1]
6680 {\chapter*{\bibname}%
6681 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6682 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6683 \bidi@thebibliography@font@hook%
6684 \list{\@biblabel{\@arabic\c@enumiv}}%
6685 {\settowidth\labelwidth{\@biblabel{#1}}%
6686 \leftmargin\labelwidth
6687 \advance\leftmargin\labelsep
6688 \@openbib@code
6689 \usecounter{enumiv}%
6690 \let\p@enumiv\@empty
6691 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6692 \sloppy
6693 \clubpenalty4000
6694 \@clubpenalty \clubpenalty
6695 \widowpenalty4000%
6696 \sfcode`.\@m}
6697 {\def\@noitemerr
6698 {\@latex@warning{Empty `thebibliography' environment}}%
6699 \endlist}

```



34 File breqn-xetex-bidi.def

```

6700 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for Xe
6701 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6702 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6703 \if@noskipsec \leavevmode \fi
6704 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6705 \if\eq@group\else\eq@prelim\fi
6706 \setkeys{breqn}{#1}%
6707 \the\eqstyle
6708 \eq@setnumber
6709 \begingroup
6710 \eq@setup@a
6711 \eq@startup
6712 }
6713 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6714 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6715 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6716 \global\let\GRP@label\@empty
6717 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6718 \global\grp@linewidth\z@\global\grp@wdNum\z@
6719 \global\let\grp@eqs@numbered\@False
6720 \global\let\grp@aligned\@True
6721 \global\let\grp@shiftnumber\@False
6722 \eq@prelim
6723 \setkeys{breqn}{#1}%
6724 \if\grp@hasNumber \grp@setnumber \fi
6725 }
6726 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6727 \let\display@setup\dseries@display@setup
6728 % Question: should this be the default for dseries???
6729 \global\eq@wdCond\z@
6730 \@dmath[layout={M},#1]%
6731 \mathsurround\z@\@math \penalty\@Mi
6732 \let\endmath\ends@math
6733 \def\premath{%
6734 \ifdim\lastskip<.3em \unskip
6735 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6736 }%
6737 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6738 \ignorespaces
6739 }
6740 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
6741 \renewenvironment{dsuspend}{%
6742 \global\setbox\EQ@box\ vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
6743 \parshape 1 \displayindent \displaywidth\relax
6744 \hsize=\columnwidth \noindent\ignorespaces
6745 }{%
6746 \par\egroup
6747 \global\setbox\GRP@box\ vbox{%

```



```

6748 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}}%
6749 \unvbox\GRP@box
6750 }%
6751 \global\GRP@queue\@xp{\the\GRP@queue
6752 \@elt{\let\eq@isIntertext\@True}}%
6753 }%
6754 }

```

35 File cals-xetex-bidi.def

```

6755 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
6756 \renewcommand\cals@setup@alignment[1]{%
6757 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
6758 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
6759 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
6760 }
6761 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
6762 \renewenvironment{calstable}[1][\cals@table@alignment]{%
6763 \if@RTLtab\cals@activate@rtl\fi
6764 \let\cals@thead@tokens=\relax
6765 \let\cals@tfoot@tokens=\relax
6766 \let\cals@tbody@tokens=\relax
6767 \cals@tfoot@height=Opt \relax
6768 \let\cals@last@context=n%
6769 \let\cals@current@context=b%
6770 \parindent=Opt \relax%
6771 \cals@setup@alignment{#1}%
6772 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
6773 }% Alignment inside is independent on center/flushright outside
6774 \parfillskip=Opt plus1fil\relax
6775 \let\cals@borderL=\relax
6776 \let\cals@borderR=\relax
6777 \let\cals@borderT=\relax
6778 \let\cals@borderB=\relax
6779 \setbox\cals@backup@row=\box\voidb@x\relax
6780 \cals@AtBeginTable
6781 }{% End of the table
6782 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
6783 \renewcommand\alignL{%
6784 \if@RTLtab
6785 \cals@vfillAdd\cals@paddingL
6786 \else
6787 \cals@vfillDrop\cals@paddingL
6788 \fi
6789 \cals@vfillDrop\cals@paddingR}
6790 \renewcommand\alignR{%
6791 \if@RTLtab
6792 \cals@vfillDrop\cals@paddingL
6793 \else
6794 \cals@vfillAdd\cals@paddingL

```



```

6795 \fi
6796 \cals@vfillDrop\cals@paddingR}

```

36 File caption-xetex-bidi.def

```

6797 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for
6798 \let\@makecaption\caption@makecaption

```

37 File caption3-xetex-bidi.def

```

6799 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6800 \renewcommand*\caption@par{%
6801 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

38 File colortbl-xetex-bidi.def

```

6802 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6803 \def\CT@setup{%
6804 \@tempdimb\col@sep
6805 \@tempdimc\col@sep
6806 \def\CT@color{%
6807 \global\let\CT@do@color\CT@@do@color
6808 \bidicolor}}
6809 \def\@classz{\@classx
6810 \@tempcnta\count@
6811 \prepnext@tok
6812 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6813 \@addtopreamble{\if@RTLtab\beginL\fi%
6814 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6815 \ifcase \@chnum
6816 \hskip\stretch{.5}\kern\z@
6817 \dollarbegin
6818 \insert@column
6819 \dollarend\hskip\stretch{.5}\or
6820 \dollarbegin \insert@column \dollarend \hfill \or
6821 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
6822 $\vcenter
6823 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6824 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6825 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6826 \fi
6827 \if@RTLtab\endR\fi\egroup\egroup
6828 \begingroup
6829 \CT@setup
6830 \CT@column@color
6831 \CT@row@color
6832 \CT@cell@color
6833 \CT@do@color
6834 \endgroup
6835 \@tempdima\ht\z@

```



```

6836      \advance\@tempdima\minrowclearance
6837      \vrule\@height\@tempdima\@width\z@
6838      \unhbox\z@\if@RTLtab\endL\fi}%
6839      \prepnext@tok}

```

39 File color-xetex-bidi.def

```

6840 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
6841 \long\def\color@b@x#1#2#3{%
6842   \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6843   \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6844   \dimen@ht\z@\advance\dimen@\fbboxsepht\z@\dimen@
6845   \dimen@dp\z@\advance\dimen@\fbboxsepdp\z@\dimen@
6846   {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}}%
6847     \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
6848 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6849 \DeclareRobustCommand\color{%
6850   \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}%
6851 \def\@declaredcolor#1{%
6852   \ifundefined{\string\color @#1}%
6853     {\c@lor@error{`#1'}}%
6854     {\expandafter\let\expandafter\current@color
6855       \csname\string\color @#1\endcsname
6856       \set@color}%
6857   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6858 \def\@undeclaredcolor[#1]#2{%
6859   \ifundefined{color@#1}%
6860     {\c@lor@error{model `#1'}}%
6861     {\csname color@#1\endcsname\current@color{#2}%
6862       \set@color}%
6863   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6864 \DeclareRobustCommand\bidicolor{%
6865   \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}%
6866 \def\@bidiundeclaredcolor[#1]#2{%
6867   \ifundefined{color@#1}%
6868     {\c@lor@error{model `#1'}}%
6869     {\csname color@#1\endcsname\current@color{#2}%
6870       \set@color}%
6871   \ignorespaces}
6872 \def\@bidideclaredcolor#1{%
6873   \ifundefined{\string\color @#1}%
6874     {\c@lor@error{`#1'}}%
6875     {\expandafter\let\expandafter\current@color
6876       \csname\string\color @#1\endcsname
6877       \set@color}%
6878   \ignorespaces}
6879 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6880 \def\color@fbbox#1#2#3{%
6881   \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}
6882 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```



40 File combine-xetex-bidi.def

```
6883 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeTeX]
6884 \renewcommand{\c@ll@chapsecii}[2]{%
6885   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6886   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6887   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6888 }
6889 \renewcommand{\c@ll@chapseci}{%
6890   \setlength\@tempdima{0em}%
6891   \begin{group}
6892     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6893     \parfillskip -\@pnumwidth
6894     \leavevmode
6895   }
6896 \renewenvironment{tocindent}[1]{%
6897   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{}
```

41 File crop-xetex-bidi.def

```
6898 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
6899 \renewcommand*{\CROP@ulc}{%
6900   \if@RTLmain%
6901     \begin{picture}(0,0)
6902       \unitlength\p@thinlines
6903       \put(-40,0){\circle{10}}
6904       \put(-30,-5){\line(0,1){10}}
6905       \put(-35,0){\line(1,0){30}}
6906       \put(-10,30){\circle{10}}
6907       \put(-5,30){\line(1,0){10}}
6908       \put(0,35){\line(0,-1){30}}
6909     \end{picture}%
6910   \else%
6911     \begin{picture}(0,0)
6912       \unitlength\p@thinlines
6913       \put(-30,0){\circle{10}}
6914       \put(-30,-5){\line(0,1){10}}
6915       \put(-35,0){\line(1,0){30}}
6916       \put(0,30){\circle{10}}
6917       \put(-5,30){\line(1,0){10}}
6918       \put(0,35){\line(0,-1){30}}
6919     \end{picture}%
6920   \fi%
6921 }
6922 \renewcommand*{\CROP@urc}{%
6923   \if@RTLmain%
6924     \begin{picture}(0,0)
6925       \unitlength\p@thinlines
6926       \put(20,0){\circle{10}}
6927       \put(30,-5){\line(0,1){10}}
```



```

6928      \put(35,0){\line(-1,0){30}}
6929      \put(-10,30){\circle{10}}
6930      \put(-5,30){\line(1,0){10}}
6931      \put(0,35){\line(0,-1){30}}
6932      \end{picture}%
6933      \else%
6934      \begin{picture}(0,0)
6935        \unitlength\p@\thinlines
6936        \put(30,0){\circle{10}}
6937        \put(30,-5){\line(0,1){10}}
6938        \put(35,0){\line(-1,0){30}}
6939        \put(0,30){\circle{10}}
6940        \put(-5,30){\line(1,0){10}}
6941        \put(0,35){\line(0,-1){30}}
6942      \end{picture}%
6943      \fi%
6944    }
6945    \renewcommand*\CROP@llc{%
6946      \if@RTLmain%
6947        \begin{picture}(0,0)
6948          \unitlength\p@\thinlines
6949          \put(-40,0){\circle{10}}
6950          \put(-30,-5){\line(0,1){10}}
6951          \put(-35,0){\line(1,0){30}}
6952          \put(-10,-30){\circle{10}}
6953          \put(-5,-30){\line(1,0){10}}
6954          \put(0,-35){\line(0,1){30}}
6955        \end{picture}%
6956      \else%
6957        \begin{picture}(0,0)
6958          \unitlength\p@\thinlines
6959          \put(-30,0){\circle{10}}
6960          \put(-30,-5){\line(0,1){10}}
6961          \put(-35,0){\line(1,0){30}}
6962          \put(0,-30){\circle{10}}
6963          \put(-5,-30){\line(1,0){10}}
6964          \put(0,-35){\line(0,1){30}}
6965        \end{picture}%
6966      \fi%
6967    }
6968    \renewcommand*\CROP@lrc{%
6969      \if@RTLmain%
6970        \begin{picture}(0,0)
6971          \unitlength\p@\thinlines
6972          \put(20,0){\circle{10}}
6973          \put(30,-5){\line(0,1){10}}
6974          \put(35,0){\line(-1,0){30}}
6975          \put(-10,-30){\circle{10}}
6976          \put(-5,-30){\line(1,0){10}}
6977          \put(0,-35){\line(0,1){30}}

```



```

6978 \end{picture}%
6979 \else%
6980 \begin{picture}(0,0)
6981 \unitlength\p@\thinline
6982 \put(30,0){\circle{10}}
6983 \put(30,-5){\line(0,1){10}}
6984 \put(35,0){\line(-1,0){30}}
6985 \put(0,-30){\circle{10}}
6986 \put(-5,-30){\line(1,0){10}}
6987 \put(0,-35){\line(0,1){30}}
6988 \end{picture}%
6989 \fi%
6990 }
6991 \@ifpackagewith{crop}{cam}{%
6992 \CROP@execopt{cam}%
6993 }{}

```

42 File cutwin-xetex-bidi.def

```

6994 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for X
6995 \renewcommand*{\c@twcompctr}[2]{%
6996 \def\c@twfirst{1}
6997 \loop\advance\c@twwinlines\m@ne
6998 \setbox\c@twslicea=\vsplit#1 to\baselineskip
6999 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
7000 \c@twprune{\c@twslicea}{\c@twlftside}%
7001 \c@twprune{\c@twsliceb}{\c@twrtside}%
7002 \ifnum\c@twfirst=\@ne
7003 \setbox#2=\vbox{\unvbox#2\hbox
7004 to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\ifRTL\box\c@tw
7005 \else
7006 \setbox#2=\vbox{\unvbox#2\hbox
7007 to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\ifRTL\box\c@twslicea\else\box
7008 \fi
7009 \def\c@twfirst{2}
7010 \ifnum\c@twwinlines>\z@\repeat}
7011 \renewcommand*{\c@twcompoddctr}[2]{%
7012 \def\c@twrounds{1}
7013 \def\c@twfirst{1}
7014 \@for\c@twlspec:=\c@twb\do{%
7015 \ifnum\c@twrounds=1
7016 \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7017 \c@twprune{\c@twslicea}{\c@twlspec}%
7018 \def\c@twrounds{2}
7019 \else
7020 \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
7021 \c@twprune{\c@twsliceb}{\c@twlspec}%
7022 \ifnum\c@twfirst=1
7023 \setbox#2=\vbox{\unvbox#2\hbox
7024 to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\ifRTL\box

```



```

7025     \def\c@twfirst{2}
7026   \else
7027     \setbox#2=\vbox{\unvbox#2\hbox
7028       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else
7029       \fi
7030     \def\c@twrounds{1}
7031   \fi}}

```

43 File cuted-xetex-bidi.def

```

7032 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for Xe
7033
7034 \def\RTL@outputdblcol{%
7035   \if@firstcolumn
7036     \global\@firstcolumnfalse
7037     \global\setbox\@leftcolumn\copy\@outputbox
7038     \splitmaxdepth\maxdimen
7039     \vbadness\maxdimen
7040     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7041     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7042     \toks@\expandafter{\topmark}%
7043     \xdef\@firstcoltopmark{\the\toks@}%
7044     \toks@\expandafter{\splitfirstmark}%
7045     \xdef\@firstcolfirstmark{\the\toks@}%
7046     \ifx\@firstcolfirstmark\@empty
7047       \global\let\@setmarks\relax
7048     \else
7049       \gdef\@setmarks{%
7050         \let\firstmark\@firstcolfirstmark
7051         \let\topmark\@firstcoltopmark}%
7052     \fi
7053   \else
7054     \global\@firstcolumntrue
7055     \setbox\@outputbox\vbox{%
7056       \hb@xt@\textwidth{%
7057         \hskip \columnwidth
7058         \hfil
7059         {\normalcolor\vrule \@width\columnseprule}%
7060         \hfil
7061         \hb@xt@\columnwidth{%
7062           \bidi@firstcolumn@status@write%
7063           \box\@leftcolumn \hss}%
7064         \hskip -\textwidth
7065         \hb@xt@\columnwidth{%
7066           \bidi@lastcolumn@status@write%
7067           \box\@outputbox \hss}%
7068         \hskip \columnsep
7069         \hskip \columnwidth }}%
7070     \ifvoid\hold@viper
7071     \else

```



```

7072     \setbox\@outputbox \vbox to\textheight{%
7073                                     \box\hold@viper
7074                                     \box\@outputbox
7075                                     \vss
7076                                     }%
7077     \fi
7078 \combinedblfloats
7079     \setmarks
7080     \@outputpage
7081     \beginingroup
7082         \dblfloatplacement
7083         \@startdblcolumn
7084         \@whiles\if@fcolmade \fi{\@outputpage
7085         \@startdblcolumn}%
7086         \ifvoid\@viper
7087         \else
7088             \global\setbox\@viper\vbox{%
7089                 \vskip-\stripsep
7090                 \unvbox\@viper
7091                 }%
7092             \@viperoutput
7093         \fi
7094     \endgroup
7095 \fi}%
7096
7097 \def\LTR@outputdblcol{%
7098     \if@firstcolumn
7099         \global\@firstcolumnfalse
7100         \global\setbox\@leftcolumn\copy\@outputbox
7101         \splitmaxdepth\maxdimen
7102         \vbadness\maxdimen
7103         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7104         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7105         \toks@\expandafter{\topmark}%
7106         \xdef\@firstcoltopmark{\the\toks@}%
7107         \toks@\expandafter{\splitfirstmark}%
7108         \xdef\@firstcolfirstmark{\the\toks@}%
7109         \ifx\@firstcolfirstmark\@empty
7110             \global\let\@setmarks\relax
7111         \else
7112             \gdef\@setmarks{%
7113                 \let\firstmark\@firstcolfirstmark
7114                 \let\topmark\@firstcoltopmark}%
7115         \fi
7116     \else
7117         \global\@firstcolumntrue
7118         \setbox\@outputbox\vbox{%
7119             \hb@xt@\textwidth{%
7120                 \hb@xt@\columnwidth{%
7121                     \bidi@firstcolumn@status@write%

```



```

7122     \box\@leftcolumn \hss}%
7123     \hfil
7124     {\normalcolor\vrule \@width\columnseprule}%
7125     \hfil
7126     \hb@xt@\columnwidth{%
7127     \bidi@lastcolumn@status@write%
7128     \box\@outputbox \hss}}}%
7129 \ifvoid\hold@viper
7130 \else
7131     \setbox\@outputbox \vbox to\textheight{%
7132                                     \box\hold@viper
7133                                     \box\@outputbox
7134                                     \vss
7135                                     }%
7136 \fi
7137 \@combinedblfloats
7138 \@setmarks
7139 \@outputpage
7140 \begingroup
7141     \@dblfloatplacement
7142     \@startdblcolumn
7143     \@whiles\if@fcolmade \fi{\@outputpage
7144     \@startdblcolumn}%
7145     \ifvoid\@viper
7146     \else
7147         \global\setbox\@viper\vbox{%
7148             \vskip-\stripsep
7149             \unvbox\@viper
7150             }%
7151     \@viperoutput
7152     \fi
7153 \endgroup
7154 \fi}%
7155
7156
7157 \def \@addviper {%
7158     \if@firstcolumn
7159         \@insertfalse
7160         \@reqcolroom .5\@pageht
7161         \ht@viper\@reqcolroom
7162         \advance \@reqcolroom \ht@viper
7163         \advance \@reqcolroom \stripsep
7164         \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7165     %%
7166     \@tempdimb \ht@viper
7167     \loop
7168     \setbox\v@aaa\copy\@holdpg
7169     \setbox\v@ccc\vbox to\@tempdimb{%
7170         \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7171     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%

```



```

7172 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7173 \loop
7174 \setbox\v@aaa\copy\@holdpg
7175 \setbox\v@ccc\vbox to\@tempdimb{%
7176     \vsplit\v@aaa to\@tempdimb\vss}%
7177 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7178 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7179 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
7180 \setbox\v@ccc\vbox to\@tempdimb{%
7181     \vsplit\@holdpg to\@tempdimb\vss}%
7182 %%
7183 \setbox\@tempboxa \vbox {%
7184     \hb@xt@\textwidth {%
7185         \ifRTLmain%
7186             \hskip \columnwidth
7187             \hfil \vrule width\columnseprule \hfil
7188             \hb@xt@\columnwidth {%
7189                 \vbox to\ht\viper{\box\v@ccc\vss} \hss}%
7190             \hskip -\textwidth
7191             \hb@xt@\columnwidth {%
7192                 \vbox to\ht\viper{\box\@holdpg\vss} \hss}%
7193             \hskip \columnsep
7194             \hskip \columnwidth
7195         \else%
7196             \hb@xt@\columnwidth {%
7197                 \vbox to\ht\viper{\box\v@ccc\vss} \hss}%
7198                 \hfil
7199                 \vrule \@width\columnseprule
7200                 \hfil
7201                 \hb@xt@\columnwidth {%
7202                     \vbox to\ht\viper{\box\@holdpg\vss} \hss}%
7203                     \fi}%
7204             }%
7205 \ifvoid\hold@viper
7206     \global\setbox\hold@viper \vbox {%
7207         \unvbox\@tempboxa
7208         \penalty\interlinepenalty
7209         \vskip\stripsep
7210         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7211         \outputpenalty \z@
7212     }%
7213 \else
7214     \global\setbox\hold@viper \vbox {%
7215         \unvbox\hold@viper
7216         \unvbox\@tempboxa
7217         \penalty\interlinepenalty
7218         \vskip\stripsep
7219         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7220         \outputpenalty \z@
7221     }%

```



```

7222 \fi
7223 \ifdim \@colroom>\@reqcolroom
7224 \global\setbox\hold@viper \vbox {%
7225 \unvbox\hold@viper
7226 \box\@viper
7227 \penalty\interlinepenalty
7228 \vskip\stripsep
7229 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7230 \outputpenalty \z@
7231 }%
7232 \@inserttrue
7233 \advance\@tempdima by-\ht\hold@viper
7234 \global \advance \@colht \@tempdima
7235 \ifdim \@colht<2.5\baselineskip
7236 \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7237 too tall on page \thepage (1 stulpelis)}%
7238 \@emptycol
7239 \if@firstcolumn
7240 \else
7241 \@emptycol
7242 \fi
7243 \global\@lastvipertrue
7244 \else
7245 \global \vsize \@colht
7246 \global \@colroom \@colht
7247 \check@floats
7248 \ifdim\@tempdima>\z@
7249 \global\advance\@colroom by-\@tempdima
7250 \fi
7251 \ifdim\@colroom<\z@
7252 \global\@colroom 1pt
7253 \ifdim\@tempdima>\@colht
7254 \latex@warning@no@line {TOP ir/ar BOT FLOAT's
7255 netelpa lape \thepage (1 stulpelis)}%
7256 \fi
7257 \@emptycol
7258 \if@firstcolumn
7259 \else
7260 \@emptycol
7261 \fi
7262 \global\@lastvipertrue
7263 \fi
7264 \fi
7265 \fi
7266 \else
7267 \@insertfalse
7268 \@reqcolroom\@colht
7269 \advance\@reqcolroom \@pageht
7270 \ht@viper.5\@reqcolroom
7271 \@reqcolroom\ht@viper

```




```

7272 \advance \@reqcolroom \ht\@viper
7273 \advance \@reqcolroom \stripsep
7274 \if@flushend@auto@baselineskip
7275   \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7276     \global\lastskip@d\lastskip
7277     \global\lastskip@b\lastskip
7278     \loop
7279       \global\lastskip@a\lastskip@b
7280       \unskip\unpenalty
7281       \global\lastskip@b\lastskip
7282       \global\advance\lastskip@d by\lastskip
7283     \ifdim\lastskip@b=-\lastskip@a
7284       \global\advance\lastskip@d by-\lastskip
7285     \else
7286       \repeat
7287     \ifdim\lastskip@b=-\lastskip@a
7288       \ifdim\lastskip@b=\z@
7289         \setbox\lastbox@a\lastbox
7290         \global\advance\lastskip@d by\ht\lastbox@a
7291         \global\advance\lastskip@d by\lastskip
7292         \unskip\unpenalty
7293         \setbox\lastbox@a\lastbox
7294         \global\advance\lastskip@d by\dp\lastbox@a
7295       \else
7296         \global\lastskip@d\lastskip
7297         \global\advance\lastskip@d by\topskip
7298       \fi
7299     \fi
7300     \global\advance\lastskip@d by-\topskip
7301   }%
7302 \ifdim\ht\@holdpg>\@colht
7303   \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7304     \par\eject
7305     \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7306   }%
7307 \else
7308   \global\setbox\@holdpg\vbox{%
7309     \unvbox\@leftcolumn\unskip\unpenalty
7310     \vskip\lastskip@d
7311     \the\At@ViperColsBreak
7312     \unvbox\@holdpg
7313     \unskip
7314   }%
7315 \fi
7316 \else
7317   \global\setbox\@holdpg\vbox{%
7318     \unvbox\@leftcolumn
7319     \setbox\@tempboxa\lastbox
7320     \on@stripcols@break
7321     \the\At@ViperColsBreak

```



```

7322         \unvbox\@holdpg
7323     }%
7324 \fi
7325 \global\At@ViperColsBreak{}%
7326 \ht@viper .5\ht\@holdpg
7327 \ifdim \ht@viper>\@colht
7328     \ht@viper \@colht
7329 \fi
7330 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7331 %%
7332 \@tempdimb \ht@viper
7333 \loop
7334     \setbox\v@aaa\copy\@holdpg
7335     \setbox\v@ccc\vbox to\@tempdimb{%
7336         \vsplit\v@aaa to\@tempdimb
7337         \vss
7338         \vsplit\v@aaa to\@tempdimb
7339     }%
7340     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7341 \ifvoid\v@aaa
7342 \else
7343     \advance\@tempdimb 1\p@
7344 \repeat
7345 \loop
7346     \setbox\v@aaa\copy\@holdpg
7347     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7348     \wlog{(2)Left:\the\ht\v@ccc\space
7349         Right:\the\ht\v@aaa\space
7350         Output:\the\@tempdimb
7351     }%
7352 \ifdim\ht\v@ccc<\ht\v@aaa
7353     \@tempdimb \the\ht\v@aaa
7354 \repeat
7355 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7356         ^^JRight:\the\ht\v@aaa
7357         ^^JOutput:\the\@tempdimb
7358     }%
7359 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7360 \setbox\@tempboxa\vbox{%
7361     \hb@xt@\textwidth {%
7362         \if@RTLmain%
7363         \hskip \columnwidth
7364         \hfil \vrule width\columnseprule \hfil
7365         \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7366         \hskip -\textwidth
7367         \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7368         \hskip \columnsep
7369         \hskip \columnwidth
7370     \else
7371         \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%

```



```

7372         \hfil
7373         \vrule \@width\columnseprule
7374         \hfil
7375         \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7376     \fi%
7377     }%
7378 }%
7379 \ifvoid\hold@viper
7380     \global\setbox\hold@viper \vbox {%
7381         \unvbox\@tempboxa
7382         \penalty\interlinepenalty
7383         \vskip\stripsep
7384         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7385         \outputpenalty \z@
7386     }%
7387 \else
7388     \global\setbox\hold@viper \vbox {%
7389         \unvbox\hold@viper
7390         \unvbox\@tempboxa
7391         \penalty\interlinepenalty
7392         \vskip\stripsep
7393         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7394         \outputpenalty \z@
7395     }%
7396 \fi
7397 \ifdim \@colht>\@reqcolroom
7398     \global\setbox\hold@viper \vbox {%
7399         \unvbox\hold@viper
7400         \box\@viper
7401         \penalty\interlinepenalty
7402         \vskip\stripsep
7403         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7404         \outputpenalty \z@
7405     }%
7406     \@inserttrue
7407     \global\@firstcolumntrue
7408     \advance\@tempdima by-\ht\hold@viper
7409     \global \advance \@colht \@tempdima
7410     \ifdim \@colht<2.5\baselineskip
7411         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7412             too tall on page \thepage (2 stulpelis)}%
7413         \@emptycol
7414         \if@firstcolumn
7415         \else
7416             \@emptycol
7417         \fi
7418         \global\@lastvipertrue
7419     \else
7420         \global \vsize \@colht
7421         \global \@colroom \@colht

```



```

7422         \check@floats
7423         \ifdim\@tempdima>\z@
7424             \global\advance\@colroom by-\@tempdima
7425         \fi
7426         \ifdim\@colroom<\z@
7427             \global\@colroom 1pt
7428             \ifdim\@tempdima>\@colht
7429                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7430                     netelpe lape \thepage (2 stulpelis)}}%
7431             \fi
7432             \@emptycol
7433             \if@firstcolumn
7434                 \else
7435                     \@emptycol
7436             \fi
7437             \global\@lastvipertrue
7438         \fi
7439     \fi
7440 \fi
7441 \fi
7442 \if@insert
7443 \else
7444     \advance\@tempdima by-\ht\hold@viper
7445     \global \advance \@colht \@tempdima
7446     \global\setbox\hold@viper \vbox {%
7447         \unvbox\hold@viper
7448         \csname viper@top@hook\endcsname
7449         \vsplit\@viper to \@colht
7450         \vss
7451     }%
7452     \vbox{}%
7453     \global\@firstcolumnfalse
7454     \newpage
7455 \fi
7456 }

```

44 File cvthemebidicasual.sty

```

7457 \NeedsTeXFormat{LaTeX2e}
7458 \ProvidesPackage{cvthemebidicasual}
7459 \DeclareOption{blue}{}
7460 \newif\if@colourorange\@colourorangefalse
7461 \DeclareOption{orange}{\@colourorange true}
7462 \newif\if@colourgreen\@colourgreenfalse
7463 \DeclareOption{green}{\@colourgreen true}
7464 \newif\if@colouredred\@colouredredfalse
7465 \DeclareOption{red}{\@colouredred true}
7466 \newif\if@colourgrey\@colourgreyscale
7467 \DeclareOption{grey}{\@colourgrey true}
7468 \DeclareOption*{

```



```

7469 \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7470 \ExecuteOptions{colour}
7471 \ProcessOptions\relax
7472 \renewcommand*{\listitemsymbol}{\textbullet}
7473 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7474 \familynamecolour{808080}
7475 \firstnamecolour{A9A9A9}
7476 \quotecolour{696969}
7477 \addresscolour{696969}
7478 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7479 \sectiontitlecolour{1E90FF}
7480 \subsectioncolour{4682B4}
7481 \definecolor{rulecolour}{gray}{0.6}
7482 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7483 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7484 \if@colourorange
7485 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7486 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7487 \sectiontitlecolour{FF8C00}
7488 \subsectioncolour{FF8C00}
7489 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7490 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7491 \if@colourgreen
7492 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7493 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7494 \sectiontitlecolour{008000}
7495 \subsectioncolour{008000}
7496 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7497 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7498 \if@coloured
7499 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7500 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7501 \sectiontitlecolour{FF0000}
7502 \subsectioncolour{FF0000}
7503 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7504 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7505 \if@colourgrey
7506 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7507 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7508 \sectiontitlecolour{808080}
7509 \subsectioncolour{808080}
7510 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7511 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7512 \renewcommand*{\ttdefault}{pcr}
7513 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7514 \renewcommand*{\familynamefont}{\firstnamefont}
7515 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7516 \renewcommand*{\quote font}{\large\slshape}
7517 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7518 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}

```



```

7519 \renewcommand*{\maketitle}{%
7520   {%
7521     \ifthenelse{\isundefined{\@photo}}{%
7522       {%
7523         {\color{firstnamecolor}\framebox{\includegraphics[width=\photowidth]{\@photo}}}%
7524         \hfill%
7525         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7526         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7527       \ifthenelse{\isundefined{\@quote}}{%
7528         {%
7529           {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[
7530         }%
7531     \newif\if@firstfooterelement\@firstfooterelementtrue
7532 \providecommand*{\footersymbol}{%
7533 \renewcommand*{\footersymbol}{%
7534   \if@firstfooterelement%
7535   \else%
7536     {~~\color{footersymbolcolor}\textbullet~~}\fi}
7537 \providecommand*{\makefooter}{%
7538 \renewcommand*{\makefooter}{%
7539   \fancypagestyle{plain}{%
7540     \fancyfoot[c]{%
7541       \parbox{0.8\textwidth}{%
7542         \centering%
7543         \addressfont\@addresscolour%
7544         \ifthenelse{\isundefined{\@address}}{~}{%
7545           \addresssymbol~\@address\\%
7546           \@firstfooterelementfalse}%
7547         \ifthenelse{\isundefined{\@mobile}}{~}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7548         \ifthenelse{\isundefined{\@phone}}{~}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7549         \ifthenelse{\isundefined{\@fax}}{~}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7550         \ifthenelse{\isundefined{\@email}}{~}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
7551         \ifthenelse{\isundefined{\@extrainfo}}{~}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7552       }%
7553     \pagestyle{plain}}
7554 \AtBeginDocument{\makefooter}

```

45 File cvthemebidiclassic.sty

```

7555 \NeedsTeXFormat{LaTeX2e}
7556 \ProvidesPackage{cvthemebidiclassic}
7557 \DeclareOption{blue}{%
7558 \newif\if@colourorange\@colourorangefalse
7559 \DeclareOption{orange}{\@colourorangefalse}
7560 \newif\if@colourgreen\@colourgreenfalse
7561 \DeclareOption{green}{\@colourgreentruetrue}
7562 \newif\if@colouredred\@colouredredfalse
7563 \DeclareOption{red}{\@colouredredtrue}
7564 \newif\if@colourgrey\@colourgreyfalse
7565 \DeclareOption{grey}{\@colourgreytrue}

```



```

7566 \DeclareOption*{
7567   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7568 \ExecuteOptions{colour}
7569 \ProcessOptions\relax
7570 \renewcommand*{\listitemsymbol}{\textbullet}
7571 \firstnamecolour{}
7572 \familynamecolour{}
7573 \titlecolour{808080}
7574 \quotecolour{696969}
7575 \addresscolour{696969}
7576 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7577 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7578 \sectiontitlecolour{1E90FF}
7579 \subsectioncolour{4682B4}
7580 \if@colourorange
7581   \addresscolour{FF8C00}
7582   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7583   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7584   \sectiontitlecolour{FF8C00}
7585   \subsectioncolour{FF8C00}\fi
7586 \if@colourgreen
7587   \addresscolour{008000}
7588   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7589   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7590   \sectiontitlecolour{008000}
7591   \subsectioncolour{008000}\fi
7592 \if@colourred
7593   \addresscolour{FF0000}
7594   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7595   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7596   \sectiontitlecolour{FF0000}
7597   \subsectioncolour{FF0000}\fi
7598 \if@colourgrey
7599   \addresscolour{808080}
7600   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7601   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7602   \sectiontitlecolour{808080}
7603   \subsectioncolour{808080}\fi
7604 \renewcommand*{\ttdefault}{pcr}
7605 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7606 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7607 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7608 \renewcommand*{\familynamefont}{\firstnamefont}
7609 \renewcommand*{\quote font}{\large\slshape}
7610 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7611 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7612 \newlength{\maketitlenamemaxwidth}
7613 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7614 \newlength{\maketitlenamefullwidth}
7615 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}

```



```

7616 \newlength{\maketitlewidth}
7617 \ifnum\maketitlewidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}
7618 \newlength{\maketitlepicturewidth}
7619 \setlength{\maketitlepicturewidth}{\@photowidth}
7620 \newlength{\maketitledetailwidth}
7621 \renewcommand*{\recomputethemelengths}{%
7622   \setlength{\maketitledetailwidth}{\textwidth}%
7623   \addtolength{\maketitledetailwidth}{-\maketitlewidth}%
7624   \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
7625   \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
7626 \recomputethemelengths
7627 \newif\if@firstdetailselement\@firstdetailselementtrue
7628 \newcommand*{\maketitledetailsnewline}{%
7629   \if@firstdetailselement%
7630     \@firstdetailselementfalse%
7631   \else%
7632     \[.2em]\fi}
7633 \renewcommand*{\maketitle}{%
7634   % name and title
7635   \begin{minipage}[b]{\maketitlewidth}%
7636     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7637     \ifthenelse{equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}{}%
7638   \end{minipage}%
7639   % optional data
7640   \begin{minipage}[b]{\maketitledetailwidth}%
7641     \bidi@raggedleft\addressfont\@addresscolour%
7642     \ifthenelse{isundefined{\@address}}{\[.2em]}{}%
7643     \maketitledetailsnewline%
7644     \addresssymbol~\@address%
7645     \ifthenelse{isundefined{\@mobile}}{\[.2em]}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
7646     \ifthenelse{isundefined{\@phone}}{\[.2em]}{\maketitledetailsnewline\phonesymbol~\@phone}%
7647     \ifthenelse{isundefined{\@fax}}{\[.2em]}{\maketitledetailsnewline\faxsymbol~\@fax}%
7648     \ifthenelse{isundefined{\@email}}{\[.2em]}{\maketitledetailsnewline\emailsymbol~\@email}%
7649     \ifthenelse{isundefined{\@extrainfo}}{\[.2em]}{\maketitledetailsnewline\@extrainfo}%
7650   \end{minipage}%
7651   % optional photo
7652   \ifthenelse{isundefined{\@photo}}{\[.2em]}{}%
7653   {\hspace*{\separatorcolumnwidth}\color{firstnamedcolor}\framebox{\includegraphics[width=\maketitlepicturewidth]{\@photo}}}%
7654   % optional quote
7655   \ifthenelse{isundefined{\@quote}}{\[.2em]}{}%
7656   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[.2em]}%
7657 }

```

46 File dblfnote-xetex-bidi.def

```

7660 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7661 \let\autofootnoterule\relax
7662 \let\rightfootnoterule\relax

```




```

7663 \let\leftfootnoterule\relax
7664 \let\textwidthfootnoterule\relax
7665 \let\LRfootnoterule\relax
7666 \def\footnoterule{\kern-3\p@
7667   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7668 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7669 \let\@footnotetext\dfn@footnotetext}
7670 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
7671   \let\insert\dfn@gobble
7672   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7673   \def\@makefnmark{\smash{\dfn@makefnmark}}
7674   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7675   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7676   \ifdim\dfn@dima>\z@else
7677     \dfn@dima1sp\relax
7678     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7679   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7680     \ifvoid\dfn@ins\else
7681       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7682     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7683   \setbox\dfn@boxa\copy\dfn@ins
7684   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7685   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7686   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7687   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7688   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7689 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7690 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7691 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7692   \let\insert\dfn@gobble
7693   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7694   \def\@makefnmark{\smash{\dfn@makefnmark}}
7695   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7696   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7697   \ifdim\dfn@dima>\z@else
7698     \dfn@dima1sp\relax
7699     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7700   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7701     \ifvoid\dfn@ins\else
7702       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7703     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7704   \setbox\dfn@boxa\copy\dfn@ins
7705   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7706   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7707   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7708   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7709   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7710 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7711 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7712 \def\dfn@RTLmakecol{{\ifvoid\footins\else

```



```

7713 \dfn@dima\ht\footins
7714 \@tempcnta\z@ \dfn@countins
7715 \@tempdima\z@ \let\@elt\dfn@elt@getht
7716 \dfn@list\@nil
7717 \ifdim\@tempdima=\z@\else
7718 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7719 \global\setbox\dfn@ins\box\dfn@ins
7720 \@tempwattrue
7721 \ifdfn@trysingle
7722 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7723 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7724 \advance\@tempdima-\skip\footins
7725 \advance\@tempdima-\ht\dfn@boxa
7726 \ifdim\@tempdima<\z@\else \@tempswafalse
7727 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7728 \footnoterule \unvbox\dfn@boxa}\fi\fi
7729 \if@tempswa
7730 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7731 \global\setbox\footins\vbox{\hbox{%
7732 \hskip \DFNcolumnwidth
7733 \hskip\DFNcolumnsep
7734 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7735 \unvbox\dfn@boxb\vss}\hss}
7736 \hskip -\textwidth
7737 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7738 \vbox to\@tempdima{
7739 \setbox\@tempboxa\vbox{\footnoterule}
7740 \ifdfn@ruleboth \unvbox\@tempboxa
7741 \else \@tempdima\ht\@tempboxa
7742 \advance\@tempdima\dp\@tempboxa
7743 \vskip\@tempdima
7744 \prevdepth\dp\@tempboxa \fi
7745 \unvbox\dfn@boxa\vss}\fi\hss}
7746 \hskip \DFNcolumnsep
7747 \hskip \DFNcolumnwidth}}\fi\fi
7748 \global\dfn@fnht\z@
7749 \ifx\dfn@list\@empty\else
7750 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7751 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7752 \let\@elt\relax
7753 \ifdim\dfn@dimb>\z@
7754 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7755 \insert\footins{\floatingpenalty\@MM
7756 \vbox to\dfn@dimb{}}\fi
7757 \ifdim\dfn@fnht>\@tempdima
7758 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7759 \global\dfn@fnht\@tempdima
7760 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7761 \xdef\dfn@afteroutput{\insert\footins{
7762 \floatingpenalty\@MM

```



```

7763                                     \vbox to\number\@tempdimb sp{}}}%
7764                                     \global\let\noexpand\dfn@afteroutput\relax}%
7765                                     \fi\fi
7766                                     \fi}%
7767                                     \let\footnoterule\relax \dfn@latex@makecol
7768                                     \let\footnoterule\dfn@footnoterule}
7769 \def\dfn@LTRmakecol{\ifvoid\footins\else
7770     \dfn@dima\ht\footins
7771     \@tempcnta\z@ \dfn@countins
7772     \@tempdima\z@ \let\@elt\dfn@elt@getht
7773     \dfn@list\@nil
7774     \ifdim\@tempdima=\z@\else
7775     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7776     \global\setbox\dfn@ins\box\dfn@ins
7777     \@tempswattrue
7778     \ifdfn@trysingle
7779         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7780         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7781         \advance\@tempdima-\skip\footins
7782         \advance\@tempdima-\ht\dfn@boxa
7783         \ifdim\@tempdima<\z@\else \@tempswafalse
7784             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7785                 \footnoterule \unvbox\dfn@boxa}\fi\fi
7786     \if@tempswa
7787     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7788     \global\setbox\footins\vbox{\hbox{%
7789         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7790             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7791         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7792             \vbox to\@tempdima{
7793                 \setbox\@tempboxa\vbox{\footnoterule}
7794                 \ifdfn@ruleboth \unvbox\@tempboxa
7795                 \else \@tempdima\ht\@tempboxa
7796                 \advance\@tempdima\dp\@tempboxa
7797                 \vskip\@tempdima
7798                 \prevdepth\dp\@tempboxa \fi
7799                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7800     \global\dfn@fnht\z@
7801     \ifx\dfn@list\@empty\else
7802         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7803         \dfn@list \global\advance\dfn@fnht\dfn@dimb
7804         \let\@elt\relax
7805         \ifdim\dfn@dimb>\z@
7806             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7807             \insert\footins{\floatingpenalty\@MM
7808                 \vbox to\dfn@dimb{}}\fi
7809         \ifdim\dfn@fnht>\@tempdima
7810             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7811             \global\dfn@fnht\@tempdima
7812             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}}%

```



```

7813 \xdef\dfn@afteroutput{\insert\footins{
7814 \floatingpenalty\MM
7815 \vbox to\number\@tempdimb sp{}}}%
7816 \global\let\noexpand\dfn@afteroutput\relax}%
7817 \fi\fi
7818 \fi}%
7819 \let\footnoterule\relax \dfn@latex@makecol
7820 \let\footnoterule\dfn@footnoterule}
7821 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7822 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7823 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7824 \DFNalwaysdouble

```

47 File diagbox-xetex-bidi.def

```

7825 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for
7826 \bidi@patchcmd{\diagbox@double}{%
7827 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7828 }{\bidi@@diagbox@double@ii}{-}{-}
7829 \bidi@patchcmd{\diagbox@double}{%
7830 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7831 }{\bidi@@diagbox@double@iii}{-}{-}
7832 \newcommand*{\bidi@@diagbox@double@ii}{%
7833 \if@RTL
7834 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
7835 \else
7836 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7837 \fi
7838 }
7839 \newcommand*{\bidi@@diagbox@double@iii}{%
7840 \if@RTL
7841 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7842 \else
7843 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7844 \fi
7845 }
7846 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7847 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7848 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
7849 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7850 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7851 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
7852 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7853 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7854 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
7855 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
7856 \if@RTL
7857 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
7858 \else
7859 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}

```



```

7860 \fi}
7861 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
7862 \if@RTL
7863 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7864 \else
7865 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
7866 \fi}
7867 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
7868 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7869 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
7870 {\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
7871 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7872 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7873 {\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
7874 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7875 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7876 {\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
7877 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
7878 \if@RTL
7879 \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}%
7880 \else
7881 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
7882 \fi
7883 }
7884 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
7885 \if@RTL
7886 \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
7887 \else
7888 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7889 \fi
7890 }
7891 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
7892 \bidi@patchcmd{\diagbox@double@pict@SE}{%
7893 \diagbox@setlinecolor
7894 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
7895 }{%
7896 {\diagbox@setlinecolor
7897 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
7898 }{-}{-}
7899 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
7900 \bidi@patchcmd{\diagbox@double@pict@NE}{%
7901 \diagbox@setlinecolor
7902 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
7903 }{%
7904 {\diagbox@setlinecolor
7905 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
7906 }{-}{-}
7907 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
7908 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
7909 \diagbox@setlinecolor

```



```

7910 \Line(0,\yym)(\x,0)
7911 \Line(\xm,\y)(\x,0)%
7912 }{%
7913 {\diagbox@setlinecolor
7914 \Line(0,\yym)(\x,0)
7915 \Line(\xm,\y)(\x,0)}%
7916 }{}{}
7917 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
7918 \diagbox@setlinecolor
7919 \Line(0,0)(\xxm,\y)
7920 \Line(0,0)(\x,\yym)%
7921 }{%
7922 {\diagbox@setlinecolor
7923 \Line(0,0)(\xxm,\y)
7924 \Line(0,0)(\x,\yym)}%
7925 }{}{}
7926 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
7927 \diagbox@setlinecolor
7928 \Line(0,\ym)(\x,\y)
7929 \Line(\xm,0)(\x,\y)%
7930 }{%
7931 {\diagbox@setlinecolor
7932 \Line(0,\ym)(\x,\y)
7933 \Line(\xm,0)(\x,\y)}%
7934 }{}{}
7935 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
7936 \diagbox@setlinecolor
7937 \Line(0,\y)(\xxm,0)
7938 \Line(0,\y)(\x,\ym)%
7939 }{%
7940 {\diagbox@setlinecolor
7941 \Line(0,\y)(\xxm,0)
7942 \Line(0,\y)(\x,\ym)}%
7943 }{}{}

```

48 File draftwatermark-xetex-bidi.def

```

7944 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
7945 \renewcommand\SetWatermarkText[1]{%
7946 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

49 File eso-pic-xetex-bidi.def

```

7947 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for xetex]
7948 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7949 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}}
7950
7951 \ESO@isMEMOIR{%
7952 \renewcommand\AtTextUpperLeft[1]{%
7953 \beginngroup

```



```

7954 \ifodd\c@page
7955 \@tempdima=\spinemargin
7956 \else
7957 \@tempdima=\paperwidth
7958 \advance\@tempdima-\textwidth
7959 \advance\@tempdima-\spinemargin
7960 \fi
7961 \@tempdimb=-\uppermargin
7962 \AtPageUpperLeft{%
7963 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7964 }%
7965 \endgroup
7966 }
7967 }{%
7968 \renewcommand\AtTextUpperLeft[1]{%
7969 \begingroup
7970 \@tempdima=1in\relax
7971 \ifodd\c@page
7972 \advance\@tempdima\oddsidemargin
7973 \else
7974 \advance\@tempdima\evensidemargin
7975 \fi
7976 \@tempdimb=-1in\relax
7977 \advance\@tempdimb-\topmargin
7978 \advance\@tempdimb-\headheight
7979 \advance\@tempdimb-\headsep
7980 \AtPageUpperLeft{%
7981 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7982 }%
7983 \endgroup
7984 }
7985 }

```

50 File empheq-xetex-bidi.def

```

7986 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for X
7987 \MHInternalSyntaxOn
7988 \def\EQ_tag_plus_endmark:{%
7989 \iftagsleft@
7990 \gdef\maketag@@@#1{%
7991 \hfuzz\displaywidth
7992 \if@RTL\makebox[\widthof{#1}][r]{%
7993 \hbox to \displaywidth{\m@th\normalfont#1\hss
7994 \raisebox{-\dp\EQ_mathdisplay_box
7995 -\depthof{\EQ_outerbox:}}{
7996 {\PotEndMark{\hss}}}}
7997 \else\makebox[\widthof{#1}][l]{%
7998 \hbox to \displaywidth{\m@th\normalfont#1\hss
7999 \raisebox{-\dp\EQ_mathdisplay_box
8000 -\depthof{\EQ_outerbox:}}{

```



```

8001         {\PotEndMark{\hss}}}\fi}%
8002 \MH_else:
8003   \gdef\maketag@@@##1{%
8004     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{
8005       \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
8006       \MH_addtolength:dn \@tempdima
8007       {\g_EQ_bottomtag_depth_dim+\mintagvsep}
8008       \setlength{\@tempdimb}
8009       {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
8010       +\depthof{\EQ_innerbox:}}}}
8011     \MH_if_dim:w \@tempdima>\@tempdimb
8012     \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8013     -\@tempdima+\g_EQ_bottomrow_depth_dim}
8014     \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
8015     \def\EQ_next:{\raisebox{\@tempdima}}%
8016     \MH_else:
8017     \def\EQ_next:{
8018       \raisebox{-\dp\EQ_mathdisplay_box
8019       -\depthof{\EQ_outerbox:}}}%
8020     \MH_fi:\EQ_next:}}}%
8021 \MH_fi:}
8022 \def\EQ_post_process:{%
8023   \EQ_initialize:
8024   \EQ_begin_equation:
8025   \MH_if_boolean:nT {outer_mult}{
8026     \setkeys{\MT_options_name:}{
8027       firstline-afterskip=0pt,
8028       lastline-preskip=0pt,
8029       multlined-width=0pt,
8030     }
8031     \ifodd \l_EQ_alignmentmode_int
8032     \setkeys{\MT_options_name:}{multlined-pos=b}
8033     \MH_else:
8034     \setkeys{\MT_options_name:}{multlined-pos=t}
8035     \MH_fi:
8036     \g@addto@macro\EQ_complete_mathdisplay:{
8037       \begin{MTmultlined}\relax
8038     }
8039     \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8040     \MH_if_boolean:nT {outer_mult}{
8041       \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8042     }
8043     \EQ_end_equation:
8044     \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8045     \savecounters@
8046     \EQ_typeset_tags:
8047     \edef\l_EQ_equation_fint{\number\c@equation}
8048     \restorecounters@
8049     \Hy@linkcounter=\EQ_hyperref_link_fint
8050     \settowidth\l_EQ_totalwidth_dim{%

```




```

8051   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
8052 \MH_if_boolean:nTF {outer_mult}
8053   { \def\EQ_next:{_mult} }
8054   { \def\EQ_next:{} }
8055 \@nameuse{EQ_modify_linewidth_
8056   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8057 \EQ_typeset_display:
8058 \@nameuse{EQ_find_displaywidth_
8059   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8060 \MH_addtolength:dn
8061   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
8062 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8063   $\EQ_left_side:
8064   \EQ_innerbox:{%
8065     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8066     \makebox[\l_EQ_displaywidth_dim][c]
8067       {\usebox{\EQ_mathdisplay_box}}}%
8068   \MH_or:
8069     \makebox[\l_EQ_displaywidth_dim][c]
8070       {\usebox{\EQ_mathdisplay_box}}}%
8071   \MH_or:
8072     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8073       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8074         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8075           \kern-\@mathmargin
8076           \MH_fi:
8077           \MH_fi:
8078           \usebox{\EQ_mathdisplay_box}}}%
8079     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8080       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8081         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8082           \kern-\@mathmargin
8083           \MH_fi:
8084           \MH_fi:
8085           \usebox{\EQ_mathdisplay_box}}\fi%
8086   \MH_or:
8087     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8088       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8089         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8090           \kern-\@mathmargin
8091           \MH_fi:
8092           \MH_fi:
8093           \usebox{\EQ_mathdisplay_box}}
8094     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8095       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8096         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8097           \kern-\@mathmargin
8098           \MH_fi:
8099           \MH_fi:
8100           \usebox{\EQ_mathdisplay_box}}\fi%

```



```

8101 \MH_fi:}%
8102 \EQ_right_side:$}%
8103 \begin{AmSequation*}
8104 \@nameuse{EQ_place_display_
8105 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8106 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8107 \MH_set_boolean_T:n {show_manual_tags}
8108 \MH_if_case:w \l_EQ_alignmentmode_int
8109 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
8110 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
8111 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
8112 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
8113 \MH_fi:
8114 \MH_fi:
8115 \end{AmSequation*}
8116 \global\c@equation=\l_EQ_equation_fint\relax
8117 }
8118 \AtBeginDocument{%
8119 \@ifpackageloaded{fancybox}{%
8120 \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8121 {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
8122 \renewcommand*{\shadowbox{%
8123 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
8124 \VerbBox\EQ_shadowbox:n}
8125 {\MH_set_boolean_F:n {shadowbox_star}
8126 \VerbBox\EQ_shadowbox:n}}
8127 \def\EQ_shadowbox:n #1{%
8128 \sbox{\z@}{\fbox{#1}}%
8129 \MH_if_boolean:nTF {shadowbox_star}{
8130 \MH_setlength:dn \@tempdima{\z@}%
8131 }{
8132 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8133 }
8134 \raisebox{\@tempdima}{%
8135 \if@RTL\makebox[\z@][r]{%
8136 \kern\shadowsize \textcolor{shadowcolor}{%
8137 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8138 }%
8139 \else\makebox[\z@][l]{%
8140 \kern\shadowsize \textcolor{shadowcolor}{%
8141 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8142 }\fi%
8143 \usebox\z@\textcolor{shadowcolor}{%
8144 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8145 }{}%
8146 }
8147 \MHInternalSyntaxOff

```

51 File extarticle-xetex-bidi.def



```

8148 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8149 \renewcommand*\l@section[2]{%
8150   \ifnum \c@tocdepth >\z@
8151     \addpenalty\@secpenalty
8152     \addvspace{1.0em \@plus\p@}%
8153     \setlength\@tempdima{1.5em}%
8154     \begingroup
8155       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8156       \parfillskip -\@pnumwidth
8157       \leavevmode \bfseries
8158       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
8159       \hskip -\if@RTL\rightskip\else\leftskip\fi
8160       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8161     \endgroup
8162   \fi}
8163 \renewcommand*\l@part[2]{%
8164   \ifnum \c@tocdepth >-2\relax
8165     \addpenalty\@secpenalty
8166     \addvspace{2.25em \@plus\p@}%
8167     \begingroup
8168       \setlength\@tempdima{3em}%
8169       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8170       \parfillskip -\@pnumwidth
8171       {\leavevmode
8172        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8173       \nobreak
8174     \endgroup
8175   \fi}
8176 \def\@part[#1]#2{%
8177   \ifnum \c@secnumdepth >\m@ne
8178     \refstepcounter{part}%
8179     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8180   \else
8181     \addcontentsline{toc}{part}{#1}%
8182   \fi
8183   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8184    \interlinepenalty \@M
8185    \normalfont
8186    \ifnum \c@secnumdepth >\m@ne
8187      \Large\bfseries \partname~\thepart
8188      \par\nobreak
8189    \fi
8190    \huge \bfseries #2%
8191    \markboth{}{}\par}%
8192   \nobreak
8193   \vskip 3ex
8194   \@afterheading}
8195 \def\@spart#1{%
8196   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8197    \interlinepenalty \@M

```



```

8198 \normalfont
8199 \huge \bfseries #1\par}%
8200 \nobreak
8201 \vskip 3ex
8202 \@afterheading}
8203 \renewenvironment{thebibliography}[1]
8204 { \section*{\refname
8205 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
8206 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8207 \bidi@thebibliography@font@hook%
8208 \list{\@biblabel{\@arabic\c@enumiv}}%
8209 {\settowidth\labelwidth{\@biblabel{#1}}%
8210 \leftmargin\labelwidth
8211 \advance\leftmargin\labelsep
8212 \@openbib@code
8213 \usecounter{enumiv}%
8214 \let\p@enumiv\@empty
8215 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8216 \sloppy\clubpenalty4000\widowpenalty4000%
8217 \sfcode`.\@m}
8218 {\def\@noitemerr
8219 {\@latex@warning{Empty `thebibliography' environment}}%
8220 \endlist}
8221 \renewcommand\left@footnoterule{%
8222 \kern-3\p@
8223 \hrule\@width.4\columnwidth
8224 \kern2.6\p@}
8225 \renewcommand\right@footnoterule{%
8226 \kern-3\p@
8227 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8228 \kern2.6\p@}
8229 \if@titlepage
8230 \renewcommand\maketitle{\begin{titlepage}%
8231 \let\footnotesize\small
8232 \let\right@footnoterule\relax
8233 \let\left@footnoterule\relax
8234 \let\textwidth\footnoterule\relax
8235 \let \footnote \thanks
8236 \null\vfil
8237 \vskip 60\p@
8238 \begin{center}%
8239 {\LARGE \@title \par}%
8240 \vskip 3em%
8241 {\large
8242 \lineskip .75em%
8243 \begin{tabular}[t]{c}%
8244 \@author
8245 \end{tabular}\par}%
8246 \vskip 1.5em%
8247 {\large \@date \par}% % Set date in \large size.

```



```

8248 \end{center}\par
8249 \@thanks
8250 \vfil\null
8251 \end{titlepage}%
8252 \setcounter{footnote}{0}%
8253 \global\let\thanks\relax
8254 \global\let\maketitle\relax
8255 \global\let\@thanks\@empty
8256 \global\let\@author\@empty
8257 \global\let\@date\@empty
8258 \global\let\@title\@empty
8259 \global\let\title\relax
8260 \global\let\author\relax
8261 \global\let\date\relax
8262 \global\let\and\relax
8263 }
8264 \else
8265 \renewcommand\maketitle{\par
8266 \begingroup
8267 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8268 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8269 \long\def\@makefntext##1{\parindent 1em\noindent
8270 \hb@xt@1.8em{%
8271 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8272 \if@twocolumn
8273 \ifnum \col@number=\@ne
8274 \@maketitle
8275 \else
8276 \twocolumn[\@maketitle]%
8277 \fi
8278 \else
8279 \newpage
8280 \global\@topnum\z@ % Prevents figures from going at top of page.
8281 \@maketitle
8282 \fi
8283 \thispagestyle{plain}\@thanks
8284 \endgroup
8285 \setcounter{footnote}{0}%
8286 \global\let\thanks\relax
8287 \global\let\maketitle\relax
8288 \global\let\@maketitle\relax
8289 \global\let\@thanks\@empty
8290 \global\let\@author\@empty
8291 \global\let\@date\@empty
8292 \global\let\@title\@empty
8293 \global\let\title\relax
8294 \global\let\author\relax
8295 \global\let\date\relax
8296 \global\let\and\relax
8297 }

```



```

8298 \def\@maketitle{%
8299   \newpage
8300   \null
8301   \vskip 2em%
8302   \begin{center}%
8303     \let \footnote \thanks
8304     {\LARGE \@title \par}%
8305     \vskip 1.5em%
8306     {\large
8307       \lineskip .5em%
8308       \begin{tabular}[t]{c}%
8309         \@author
8310         \end{tabular}\par}%
8311     \vskip 1em%
8312     {\large \@date}%
8313   \end{center}%
8314   \par
8315   \vskip 1.5em}
8316 \fi
8317 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
8318 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8319 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8320 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

52 File extbook-xetex-bidi.def

```

8321 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for X
8322 \if@titlepage
8323 \renewcommand\maketitle{\begin{titlepage}%
8324 \let\footnotesize\small
8325 \let\right@footnoterule\relax
8326 \let\left@footnoterule\relax
8327 \let\textwidth@footnoterule\relax
8328 \let \footnote \thanks
8329 \let \LTRfootnote \LTRthanks
8330 \let \RTLfootnote \RTLthanks
8331 \null\vfil
8332 \vskip 60\p@
8333 \begin{center}%
8334   {\LARGE \@title \par}%
8335   \vskip 3em%
8336   {\large
8337     \lineskip .75em%
8338     \begin{tabular}[t]{c}%
8339       \@author
8340       \end{tabular}\par}%
8341   \vskip 1.5em%
8342   {\large \@date \par}%           % Set date in \large size.
8343 \end{center}\par
8344 \@thanks

```



```

8345 \vfil\null
8346 \end{titlepage}%
8347 \setcounter{footnote}{0}%
8348 \global\let\thanks\relax
8349 \global\let\LTRthanks\relax
8350 \global\let\RTLthanks\relax
8351 \global\let\maketitle\relax
8352 \global\let\@thanks\@empty
8353 \global\let\@author\@empty
8354 \global\let\@date\@empty
8355 \global\let\@title\@empty
8356 \global\let\title\relax
8357 \global\let\author\relax
8358 \global\let\date\relax
8359 \global\let\and\relax
8360 }
8361 \else
8362 \renewcommand\maketitle{\par
8363 \begingroup
8364 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8365 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8366 \long\def\@makefntext##1{\parindent 1em\noindent
8367 \hb@xt@1.8em{%
8368 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8369 \if@twocolumn
8370 \ifnum \col@number=\@ne
8371 \@maketitle
8372 \else
8373 \twocolumn[\@maketitle]%
8374 \fi
8375 \else
8376 \newpage
8377 \global\@topnum\z@ % Prevents figures from going at top of page.
8378 \@maketitle
8379 \fi
8380 \thispagestyle{plain}\@thanks
8381 \endgroup
8382 \setcounter{footnote}{0}%
8383 \global\let\thanks\relax
8384 \global\let\LTRthanks\relax
8385 \global\let\RTLthanks\relax
8386 \global\let\maketitle\relax
8387 \global\let\@maketitle\relax
8388 \global\let\@thanks\@empty
8389 \global\let\@author\@empty
8390 \global\let\@date\@empty
8391 \global\let\@title\@empty
8392 \global\let\title\relax
8393 \global\let\author\relax
8394 \global\let\date\relax

```



```

8395 \global\let\and\relax
8396 }
8397 \def\@maketitle{%
8398 \newpage
8399 \null
8400 \vskip 2em%
8401 \begin{center}%
8402 \let \footnote \thanks
8403 \let \LTRfootnote \LTRthanks
8404 \let \RTLfootnote \RTLthanks
8405 {\LARGE \@title \par}%
8406 \vskip 1.5em%
8407 {\large
8408 \lineskip .5em%
8409 \begin{tabular}[t]{c}%
8410 \@author
8411 \end{tabular}\par}%
8412 \vskip 1em%
8413 {\large \@date}%
8414 \end{center}%
8415 \par
8416 \vskip 1.5em}
8417 \fi
8418 \renewcommand*\l@part[2]{%
8419 \ifnum \c@tocdepth >-2\relax
8420 \addpenalty{-\@highpenalty}%
8421 \addvspace{2.25em \@plus\p@}%
8422 \begingroup
8423 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
8424 \parfillskip -\@pnumwidth
8425 {\leavevmode
8426 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8427 \nobreak
8428 \global\@nobreaktrue
8429 \everypar{\global\@nobreakfalse\everypar{}}%
8430 \endgroup
8431 \fi}
8432 \renewcommand\theequation
8433 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8434 \renewcommand \thefigure
8435 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8436 \renewcommand \thetable
8437 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8438 \renewcommand \thechapter {\@arabic\c@chapter}
8439 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8440 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8441 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8442 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8443 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8444 \def\@makechapterhead#1{%

```




```

8445 \vspace*{50\p@}%
8446 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8447 \ifnum \c@secnumdepth >\m@ne
8448 \if@mainmatter
8449 \huge\bfseries \@chapapp\space \thechapter
8450 \par\nobreak
8451 \vskip 20\p@
8452 \fi
8453 \fi
8454 \interlinepenalty\@M
8455 \Huge \bfseries #1\par\nobreak
8456 \vskip 40\p@
8457 }}
8458
8459 \def\@makeschapterhead#1{%
8460 \vspace*{50\p@}%
8461 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8462 \normalfont
8463 \interlinepenalty\@M
8464 \Huge \bfseries #1\par\nobreak
8465 \vskip 40\p@
8466 }}
8467 \renewcommand\backmatter{%
8468 \if@openright
8469 \cleardoublepage
8470 \else
8471 \clearpage
8472 \fi
8473 \@mainmatterfalse}
8474 \renewenvironment{thebibliography}[1]
8475 {\chapter*{\bibname
8476 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8477 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8478 \bidi@@thebibliography@font@hook%
8479 \list{\@biblabel{\@arabic\c@enumiv}}%
8480 {\settowidth\labelwidth{\@biblabel{#1}}%
8481 \leftmargin\labelwidth
8482 \advance\leftmargin\labelsep
8483 \@openbib@code
8484 \usecounter{enumiv}%
8485 \let\p@enumiv\@empty
8486 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8487 \sloppy
8488 \clubpenalty4000
8489 \@clubpenalty \clubpenalty
8490 \widowpenalty4000%
8491 \sfcode`\.\@m}
8492 {\def\@noitemerr
8493 {\@latex@warning{Empty `thebibliography' environment}}}%
8494 \endlist}

```



53 File extletter-xetex-bidi.def

```

8495 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8496 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8497   \thispagestyle{firstpage}%
8498   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8499 \else % home address
8500   \thispagestyle{empty}%
8501   {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8502     \fromaddress \*[2\parskip]%
8503     \@date \end{tabular}\par}%
8504 \fi
8505 \vspace{2\parskip}%
8506 {\if@RTL\raggedleft\else\raggedright\fi \toname \\\ toaddress \par}%
8507 \vspace{2\parskip}%
8508 #1\par\nobreak}
8509 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8510 \stopbreaks
8511 \noindent
8512 \ifx\@empty\fromaddress\else
8513 \hspace*{\longindentation}\fi
8514 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8515   \ignorespaces #1\\[6\medskipamount]%
8516   \ifx\@empty\fromsig
8517     \fromname
8518   \else \fromsig \fi\strut}%
8519 \par}
8520 \renewcommand\left@footnoterule{%
8521 \kern-\p@
8522 \hrule \@width .4\columnwidth
8523 \kern .6\p@}
8524 \renewcommand\right@footnoterule{%
8525 \kern-\p@
8526 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8527 \kern .6\p@}

```

54 File extrafootnotefeatures-xetex-bidi.def

```

8528 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2017/05/19 v1.1 bidi extra footnote features]
8529 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
8530 \if@bidi@csundef{\ifHy@hyperfootnotes}{-}{-}%
8531 \if@bidi@csundef{HLTR@LTRfootnotetext}{-}{-}%
8532 \ifHy@hyperfootnotes
8533 \let\@H@footnotetext\@footnotetext
8534 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
8535 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8536 \let\@H@mpfootnotetext\@mpfootnotetext
8537 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8538 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8539 \fi

```



```

8540 }%
8541 }%
8542 }
8543 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8544 \if@bidi@csundef{ifHy@hyperfootnotes}{}%
8545 \if@bidi@csundef{HLTR@LTrfootnotetext}{}%
8546 \ifHy@hyperfootnotes
8547 \let\H@@footnotetext\@footnotetext
8548 \let\@footnotetext\@H@@footnotetext
8549 \let\HLTR@LTrfootnotetext\@LTrfootnotetext
8550 \let\@LTrfootnotetext\@HLTR@LTrfootnotetext
8551 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
8552 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
8553 \let\H@@mpfootnotetext\@mpfootnotetext
8554 \let\@mpfootnotetext\@H@@mpfootnotetext
8555 \let\HLTR@mpLTrfootnotetext\@mpLTrfootnotetext
8556 \let\@mpLTrfootnotetext\@HLTR@mpLTrfootnotetext
8557 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8558 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
8559 \fi
8560 }%
8561 }%
8562 }
8563 \let\autofootnoterule\relax
8564 \let\rightfootnoterule\relax
8565 \let\leftfootnoterule\relax
8566 \let\textwidthfootnoterule\relax
8567 \let\LRfootnoterule\relax
8568 \def\footnoterule{\kern-3\p@
8569 \hrule \@width \columnwidth \kern 2.6\p@}
8570 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8571 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8572 \renewcommand{\@footnotetext}[1]{%
8573 \insert\footins{%
8574 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8575 \def\baselinestretch{\m@m@footnote@spacing}%
8576 \reset@font
8577 \foottextfont
8578 \@preamfntext
8579 \hsize\columnwidth
8580 \protected@edef\@currentlabel{%
8581 \csname p@footnote\endcsname\@thefnmark}%
8582 \color@begingroup
8583 \@makefntext{%
8584 \rule\z@\footnotesep\ignorespaces\foottextfont #1}%
8585 \@finalstrut\strutbox}%
8586 \color@endgroup}%
8587 \m@mmf@prepare}
8588 \renewcommand{\@RTLfootnotetext}[1]{%
8589 \insert\footins{%

```



```

8590 \RTLtrue%
8591 \def\baselinestretch{\m@m@footnote@spacing}%
8592 \reset@font
8593 \RTLfoottextfont
8594 \@preamfntext
8595 \hsize\columnwidth
8596 \protected@edef\@currentlabel{%
8597   \csname p@footnote\endcsname\@thefnmark}%
8598 \color@begingroup
8599   \@makefntext{%
8600     \rule{z@\footnotesep}{\ignorespaces{\RTLfoottextfont #1}%
8601     \@finalstrut\strutbox}}%
8602 \color@endgroup}%
8603 \m@mmf@prepare}
8604 \renewcommand{\@LTRfootnotetext}[1]{%
8605   \insert\footins{%
8606     \RTLfalse%
8607     \def\baselinestretch{\m@m@footnote@spacing}%
8608     \reset@font
8609     \LTRfoottextfont
8610     \@preamfntext
8611     \hsize\columnwidth
8612     \protected@edef\@currentlabel{%
8613       \csname p@footnote\endcsname\@thefnmark}%
8614     \color@begingroup
8615       \@makefntext{%
8616         \rule{z@\footnotesep}{\ignorespaces{\LTRfoottextfont #1}%
8617         \@finalstrut\strutbox}}%
8618     \color@endgroup}%
8619     \m@mmf@prepare}
8620 \renewcommand{\@mpfootnotetext}[1]{%
8621   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8622     \unvbox\@mpfootins
8623     \def\baselinestretch{\m@m@footnote@spacing}%
8624     \foottextfont \hsize\columnwidth \@parboxrestore
8625     \protected@edef\@currentlabel{%
8626       \csname p@mpfootnote\endcsname\@thefnmark}%
8627     \color@begingroup
8628     \reset@font%
8629     \@makefntext{%
8630       \rule{z@\footnotesep}{\ignorespaces{\foottextfont #1}%
8631       \@finalstrut\strutbox}}%
8632     \color@endgroup}}
8633 \renewcommand{\@mpLTRfootnotetext}[1]{%
8634   \global\setbox\@mpfootins\vbox{\@RTLfalse%
8635     \unvbox\@mpfootins
8636     \def\baselinestretch{\m@m@footnote@spacing}%
8637     \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8638     \protected@edef\@currentlabel{%
8639       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

8640 \color@begingroup
8641 \reset@font%
8642 \makefnintext{%
8643 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8644 \@finalstrut\strutbox}%
8645 \color@endgroup}}
8646 \renewcommand{\@mpRTLfootnotetext}[1]{%
8647 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8648 \unvbox\@mpfootins
8649 \def\baselinestretch{\m@m@footnote@spacing}%
8650 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8651 \protected@edef\@currentlabel{%
8652 \csname p@mpfootnote\endcsname\@thefnmark}%
8653 \color@begingroup
8654 \reset@font%
8655 \makefnintext{%
8656 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8657 \@finalstrut\strutbox}%
8658 \color@endgroup}}
8659 \let\m@mold@footnotetext\@footnotetext
8660 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8661 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8662 \let\m@mold@mpfootnotetext\@mpfootnotetext
8663 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8664 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8665 \bidi@ensure@newcommand{\normalfootnotes}{%
8666 \@bidi@before@Hy@hyperfootnotes
8667 \let\@footnotetext\m@mold@footnotetext
8668 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8669 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8670 \let\@mpfootnotetext\m@mold@mpfootnotetext
8671 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8672 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8673 \@bidi@after@Hy@hyperfootnotes}
8674 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8675 \bidi@ensure@newcommand*\{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestru}
8676 \bidi@ensure@newcommand*\{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
8677 \bidi@ensure@newcommand*\{\setSingleSpace}[1]{%
8678 \def\m@m@singlespace{#1}%
8679 \def\m@m@footnote@spacing{#1}%
8680 \def\m@m@float@spacing{#1} %
8681 }
8682 \setSingleSpace{1}
8683 \bidi@ensure@newcommand*\{\multiplefootnotemarker}{3sp}
8684 \bidi@ensure@newcommand*\{\m@mmf@prepare}{%
8685 \kern-\multiplefootnotemarker
8686 \kern\multiplefootnotemarker\relax}
8687 \bidi@ensure@newlength{\footmarkwidth}
8688 \bidi@ensure@newlength{\footmarksep}
8689 \bidi@ensure@newlength{\footparindent}

```



```

8690 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8691 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8692 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8693 \bidi@ensure@newcommand{\footfootmark}{%
8694   \ifdim\footmarkwidth < \z@
8695     \llap{\hb@xt@ -\footmarkwidth{%
8696       \hss\normalfont\footscript{\@thefnmark}}}%
8697     \hspace*{-\footmarkwidth}}%
8698   \else
8699     \ifdim\footmarkwidth = \z@
8700       {\normalfont\footscript{\@thefnmark}}%
8701     \else
8702       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8703     \fi
8704   \fi}
8705 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8706   \ifdim\footmarkwidth < \z@
8707     \llap{\hb@xt@ -\footmarkwidth{%
8708       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8709     \hspace*{-\footmarkwidth}}%
8710   \else
8711     \ifdim\footmarkwidth = \z@
8712       {\normalfont\LTRfootscript{\@thefnmark}}%
8713     \else
8714       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8715     \fi
8716   \fi}
8717 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8718   \ifdim\footmarkwidth < \z@
8719     \llap{\hb@xt@ -\footmarkwidth{%
8720       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
8721     \hspace*{-\footmarkwidth}}%
8722   \else
8723     \ifdim\footmarkwidth = \z@
8724       {\normalfont\RTLfootscript{\@thefnmark}}%
8725     \else
8726       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8727     \fi
8728   \fi}
8729 \footmarkstyle{\textsuperscript{#1}}
8730 \LTRfootmarkstyle{\textsuperscript{#1}}
8731 \RTLfootmarkstyle{\textsuperscript{#1}}
8732 \setlength{\footmarkwidth}{1em plus .4em minus .4em}
8733 \setlength{\footparindent}{1em}
8734 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8735 \bidi@ensure@newcommand*{\extrafeetins}{%
8736   \setbox\@outputbox \vbox{%
8737     \boxmaxdepth \@maxdepth
8738     \unvbox\@outputbox
8739     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi

```



```

8740 \extrafeetinshook}}
8741 \bidi@ensure@newcommand{\extrafeetinshook}{%
8742 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8743 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8744 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8745 \bidi@ensure@newlength{\footinsdim}
8746 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8747 \bidi@ensure@newcommand{\@preamfntext}{%
8748 \interlinepenalty\interfootnotelinepenalty
8749 \floatingpenalty \@MM
8750 \splittopskip=\footnotesep
8751 \splitmaxdepth=\dp\strutbox
8752 \@parboxrestore}
8753 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8754 \extrafeetminihook}
8755 \bidi@ensure@newcommand{\extrafeetendmini}{%
8756 \ifvoid\@mpfootinsv\else
8757 \vskip\skip\@mpfootins
8758 \normalcolor\footnoterule\mp@footgroupv@r
8759 \fi
8760 \extrafeetendminihook}
8761 \bidi@ensure@newcommand{\extrafeetendminihook}{%
8762 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8763 \def\endminipage{%
8764 \par
8765 \unskip
8766 \ifvoid\@mpfootins\else
8767 \vskip\skip\@mpfootins
8768 \normalcolor
8769 \footnoterule
8770 \unvbox\@mpfootins
8771 \fi
8772 \m@mdoextrafeetendmini
8773 \@minipagefalse
8774 \color@endgroup
8775 \egroup
8776 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
8777 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8778 \namedef{@footstart#1}{%
8779 \bidi@mopfn@bottom
8780 \vskip\bigskipamount
8781 \leftskip=\z@
8782 \rightskip=\z@
8783 \footnoterule}}
8784 \newinsert\footinsv@r
8785 \skip\footinsv@r\bigskipamount
8786 \count\footinsv@r=1000 % no magnification
8787 \dimen\footinsv@r=\footinsdim
8788 \m@make@footstart{v@r}
8789 \bidi@ensure@newcommand{\@footgroupv@r}{%

```



```

8790 \newinsert\@mpfootinsv@r
8791 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
8792 \newcount\m@m@k \newdimen\m@m@h
8793 \@ifpackageloaded{multicol}{%
8794 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8795 \hsize\textwidth
8796 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=@M \hfilneg
8797 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8798 }{%
8799 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8800 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=@M \hfilneg
8801 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8802 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8803 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8804 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8805 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8806 \setbox2 \vsplit0 to \dimen0
8807 \unvbox2 }
8808 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8809 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8810 \@bidi@before@Hy@hyperfootnotes
8811 \let\@footnotetext\@twocolfootnotetext
8812 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8813 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8814 \dimen\footinsv@r=2\footinsdim
8815 \count\footinsv@r=500\relax
8816 \m@make@twocol@footgroup{v@r}%
8817 \let\@footgroupv@r\@twocol@footgroupv@r
8818 \let\@mpfootnotetext\@mptwocolfootnotetext
8819 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8820 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8821 \@bidi@after@Hy@hyperfootnotes
8822 \m@make@mptwocol@footgroup{v@r}%
8823 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
8824 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue}
8825 \def\baselinestretch{\m@m@footnote@spacing}%
8826 \reset@font\foottextfont
8827 \@preamfntext
8828 \protected@edef\@currentlabel{%
8829 \csname p@footnote\endcsname\@thefnmark}%
8830 \color@begingroup
8831 \@twocolfootfmt{#1}%
8832 \color@endgroup}%
8833 \m@m@mmf@prepare}
8834 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes}
8835 \def\baselinestretch{\m@m@footnote@spacing}%
8836 \reset@font\LTRfoottextfont
8837 \@preamfntext
8838 \protected@edef\@currentlabel{%
8839 \csname p@footnote\endcsname\@thefnmark}%

```




```

8840 \color@begingroup
8841 \@twocolLTRfootfmt{#1}%
8842 \color@endgroup}%
8843 \m@mmf@prepare}
8844 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8845 \def\baselinestretch{\m@m@footnote@spacing}%
8846 \reset@font\RTLfoottextfont
8847 \@preamfntext
8848 \protected@edef\@currentlabel{%
8849 \csname p@footnote\endcsname\@thefnmark}%
8850 \color@begingroup
8851 \@twocolRTLfootfmt{#1}%
8852 \color@endgroup}%
8853 \m@mmf@prepare}
8854 \bidi@ensure@newcommand{\@preamtwofmt}{%
8855 \hspace{.45\hsize}
8856 \parindent=\z@
8857 \tolerance=5000\relax
8858 \leavevmode}
8859 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8860 \@preamtwofmt
8861 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8862 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8863 \@preamtwofmt
8864 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8865 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8866 \@preamtwofmt
8867 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8868 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
8869 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8870 \unvbox\@mpfootinsv@r
8871 \def\baselinestretch{\m@m@footnote@spacing}%
8872 \reset@font\foottextfont
8873 \hspace\columnwidth \@parboxrestore
8874 \protected@edef\@currentlabel{%
8875 \csname p@mpfootnote\endcsname\@thefnmark}%
8876 \color@begingroup
8877 \@twocolfootfmt{#1}%
8878 \color@endgroup}%
8879 \m@mmf@prepare}
8880 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8881 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8882 \unvbox\@mpfootinsv@r
8883 \def\baselinestretch{\m@m@footnote@spacing}%
8884 \reset@font\LTRfoottextfont
8885 \hspace\columnwidth \@parboxrestore
8886 \if@RTLcolumnfootnotes\beginL\fi
8887 \protected@edef\@currentlabel{%
8888 \csname p@mpfootnote\endcsname\@thefnmark}%
8889 \color@begingroup

```



```

8890 \@twocolLTRfootfmt{#1}%
8891 \color@endgroup}%
8892 \m@mmf@prepare}
8893 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8894 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8895 \unvbox\@mpfootinsv@r
8896 \def\baselinestretch{\m@m@footnote@spacing}%
8897 \reset@font\RTLfoottextfont
8898 \hsize\columnwidth \@parboxrestore
8899 \protected@edef\@currentlabel{%
8900 \csname p@mpfootnote\endcsname\@thefnmark}%
8901 \color@begingroup
8902 \@twocolRTLfootfmt{#1}%
8903 \color@endgroup}%
8904 \m@mmf@prepare}
8905 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8906 \m@make@twocolfootnotetext{#1}%
8907 \m@make@mptwocolfootnotetext{#1}%
8908 \m@make@twocolfootfmt{#1}%
8909 \m@make@twocol@footgroup{#1}%
8910 \m@make@mptwocol@footgroup{#1}%
8911 \m@make@footstart{#1}%
8912 \bidi@namelongdef{\@footnotetext#1}##1{%
8913 \@nameuse{\@twocolfootnotetext#1}{##1}}%
8914 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8915 \@nameuse{\@mptwocolfootnotetext#1}{##1}}%
8916 \@namedef{\@footgroup#1}{\@nameuse{\@twocol@footgroup#1}}%
8917 \@namedef{\@mpfootgroup#1}{\@nameuse{\@mptwocol@footgroup#1}}%
8918 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8919 \expandafter\count\csname footins#1\endcsname=500\relax
8920 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8921 \bidi@namelongdef{\@twocolfootnotetext#1}##1{%
8922 \insert\@nameuse{\footins#1}{%
8923 \def\baselinestretch{\m@m@footnote@spacing}%
8924 \reset@font\@nameuse{\foottextfont#1}%
8925 \preamfntext
8926 \protected@edef\@currentlabel{%
8927 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8928 \color@begingroup
8929 \@nameuse{\@twocolfootfmt#1}{##1}%
8930 \color@endgroup}%
8931 \m@mmf@prepare}}
8932 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8933 \bidi@namelongdef{\@mptwocolfootnotetext#1}##1{%
8934 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
8935 \unvbox\@nameuse{\@mpfootins#1}
8936 \def\baselinestretch{\m@m@footnote@spacing}%
8937 \reset@font\@nameuse{\foottextfont#1}%
8938 \hsize\columnwidth \@parboxrestore
8939 \protected@edef\@currentlabel{%

```



```

8940 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8941 \color@begingroup
8942 \@nameuse{@twocolfootfmt#1}{##1}%
8943 \color@endgroup}\m@mmf@prepare}}
8944 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8945 \@namedef{@twocolfootfmt#1}##1{%
8946 \@preamtwofmt
8947 {\@nameuse{footfootmark#1}\strut
8948 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8949 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8950 \@namedef{@twocol@footgroup#1}{%
8951 \def\baselinestretch{\m@m@footnote@spacing}%
8952 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8953 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8954 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8955 \@namedef{@mptwocol@footgroup#1}{%
8956 \def\baselinestretch{\m@m@footnote@spacing}%
8957 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8958 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
8959 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8960 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8961 \@bidi@before@Hy@hyperfootnotes
8962 \let\@footnotetext\@threecolfootnotetext
8963 \let\@LTRfootnotetext\@threecolLTRfootnotetext
8964 \let\@RTLfootnotetext\@threecolRTLfootnotetext
8965 \dimen\footinsv@r=3\footinsdim
8966 \count\footinsv@r=333\relax
8967 \m@make@threecol@footgroup{v@r}%
8968 \let\@footgroupv@r\@threecol@footgroupv@r
8969 \let\@mpfootnotetext\@mpthreecolfootnotetext
8970 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8971 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8972 \@bidi@after@Hy@hyperfootnotes
8973 \m@make@mpthreecol@footgroup{v@r}%
8974 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
8975 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8976 \def\baselinestretch{\m@m@footnote@spacing}%
8977 \reset@font\foottextfont
8978 \@preamfntext
8979 \protected@edef\@currentlabel{%
8980 \csname p@footnote\endcsname\@thefnmark}%
8981 \color@begingroup
8982 \@threecolfootfmt{#1}%
8983 \color@endgroup}\m@mmf@prepare}
8984 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8985 \def\baselinestretch{\m@m@footnote@spacing}%
8986 \reset@font\LTRfoottextfont
8987 \@preamfntext
8988 \protected@edef\@currentlabel{%
8989 \csname p@footnote\endcsname\@thefnmark}%

```



```

8990 \color@begingroup
8991   \@threecolLTRfootfmt{#1}%
8992 \color@endgroup}\m@mmf@prepare}
8993 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8994 \def\baselinestretch{\m@m@footnote@spacing}%
8995 \reset@font\RTLfoottextfont
8996 \@preamfntext
8997 \protected@edef\@currentlabel{%
8998   \csname p@footnote\endcsname\@thefnmark}%
8999 \color@begingroup
9000   \@threecolRTLfootfmt{#1}%
9001 \color@endgroup}\m@mmf@prepare}
9002 \bidi@ensure@newcommand{\@preamthreefmt}{%
9003   \hsize .3\hsize
9004   \parindent=\z@
9005   \tolerance=5000\relax
9006   \leavevmode}
9007 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9008   \@preamthreefmt
9009   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9010 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9011   \@preamthreefmt
9012   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9013 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9014   \@preamthreefmt
9015   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9016 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
9017   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9018     \unvbox\@mpfootinsv@r
9019     \def\baselinestretch{\m@m@footnote@spacing}%
9020     \reset@font\foottextfont
9021     \hsize\columnwidth \@parboxrestore
9022     \protected@edef\@currentlabel{%
9023       \csname p@mpfootnote\endcsname\@thefnmark}%
9024     \color@begingroup
9025       \@threecolfootfmt{#1}%
9026     \color@endgroup}\m@mmf@prepare}
9027 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9028   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9029     \unvbox\@mpfootinsv@r
9030     \def\baselinestretch{\m@m@footnote@spacing}%
9031     \reset@font\LTRfoottextfont
9032     \hsize\columnwidth \@parboxrestore
9033     \if@RTLcolumnfootnotes\beginL\fi
9034     \protected@edef\@currentlabel{%
9035       \csname p@mpfootnote\endcsname\@thefnmark}%
9036     \color@begingroup
9037       \@threecolLTRfootfmt{#1}%
9038     \color@endgroup}\m@mmf@prepare}
9039 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%

```



```

9040 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9041 \unvbox\@mpfootinsv@r
9042 \def\baselinestretch{\m@m@footnote@spacing}%
9043 \reset@font\RTLfoottextfont
9044 \hsize\columnwidth \@parboxrestore
9045 \protected@edef\@currentlabel{%
9046 \csname p@mpfootnote\endcsname\@thefnmark}%
9047 \color@begingroup
9048 \@threecolRTLfootfmt{#1}%
9049 \color@endgroup}\m@mmf@prepare}
9050 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
9051 \m@make@threecolfootnotetext{#1}%
9052 \m@make@mpthreecolfootnotetext{#1}%
9053 \m@make@threecolfootfmt{#1}%
9054 \m@make@threecol@footgroup{#1}%
9055 \m@make@mpthreecol@footgroup{#1}%
9056 \m@make@footstart{#1}%
9057 \bidi@namelongdef{\@footnotetext#1}##1{%
9058 \@nameuse{\@threecolfootnotetext#1}{##1}}%
9059 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9060 \@nameuse{\@mpthreecolfootnotetext#1}{##1}}%
9061 \@namedef{\@footgroup#1}{\@nameuse{\@threecol@footgroup#1}}%
9062 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpthreecol@footgroup#1}}%
9063 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
9064 \expandafter\count\csname footins#1\endcsname=333\relax}
9065 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
9066 \bidi@namelongdef{\@threecolfootnotetext#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{\@threecolfootfmt#1}{##1}%
9075 \color@endgroup}\m@mmf@prepare}}
9076 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
9077 \bidi@namelongdef{\@mpthreecolfootnotetext#1}##1{%
9078 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9079 \unvbox\@nameuse{\@mpfootins#1}
9080 \def\baselinestretch{\m@m@footnote@spacing}%
9081 \reset@font\@nameuse{foottextfont#1}%
9082 \hsize\columnwidth \@parboxrestore
9083 \protected@edef\@currentlabel{%
9084 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9085 \color@begingroup
9086 \@nameuse{\@threecolfootfmt#1}{##1}%
9087 \color@endgroup}\m@mmf@prepare}}
9088 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
9089 \bidi@namelongdef{\@threecolfootfmt#1}##1{%

```



```

9090 \@preamthreefmt
9091 {\@nameuse{foottextfont#1}\strut
9092 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9093 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9094 \@namedef{@threecol@footgroup#1}{%
9095 \def\baselinestretch{\m@footnote@spacing}%
9096 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9097 \m@rigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
9098 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9099 \@namedef{@mpthreecol@footgroup#1}{%
9100 \def\baselinestretch{\m@footnote@spacing}%
9101 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9102 \m@rigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
9103 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9104 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9105 \@bidi@before@Hy@hyperfootnotes
9106 \let\@footnotetext\@fourcolfootnotetext
9107 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9108 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9109 \dimen\footinsv@r=4\footinsdim
9110 \count\footinsv@r=250\relax
9111 \m@make@fourcol@footgroup{v@r}%
9112 \let\@footgroupv@r\@fourcol@footgroupv@r
9113 \let\@mpfootnotetext\@mpfourcolfootnotetext
9114 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9115 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9116 \@bidi@after@Hy@hyperfootnotes
9117 \m@make@mpfourcol@footgroup{v@r}%
9118 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
9119 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9120 \def\baselinestretch{\m@footnote@spacing}%
9121 \reset@font\foottextfont
9122 \@preamfntext
9123 \protected@edef\@currentlabel{%
9124 \csname p@footnote\endcsname\@thefnmark}%
9125 \color@begingroup
9126 \@fourcolfootfmt{#1}%
9127 \color@endgroup}%
9128 \m@mmf@prepare}
9129 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9130 \def\baselinestretch{\m@footnote@spacing}%
9131 \reset@font\LTRfoottextfont
9132 \@preamfntext
9133 \protected@edef\@currentlabel{%
9134 \csname p@footnote\endcsname\@thefnmark}%
9135 \color@begingroup
9136 \@fourcolLTRfootfmt{#1}%
9137 \color@endgroup}%
9138 \m@mmf@prepare}
9139 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%

```



```

9140 \def\baselinestretch{\m@m@footnote@spacing}%
9141 \reset@font\RTLfoottextfont
9142 \@preamfntext
9143 \protected@edef\@currentlabel{%
9144   \csname p@footnote\endcsname\@thefnmark}%
9145 \color@begingroup
9146   \@fourcolRTLfootfmt{#1}%
9147 \color@endgroup}%
9148 \m@mmf@prepare}
9149 \bidi@ensure@newcommand{\@preamfourfmt}{%
9150   \hsize .25\hsize
9151   \parindent=\z@
9152   \tolerance=5000\relax
9153   \leavevmode}
9154 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9155   \@preamfourfmt
9156   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9157 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9158   \@preamfourfmt
9159   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9160 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9161   \@preamfourfmt
9162   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9163 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9164   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9165     \unvbox\@mpfootinsv@r
9166     \def\baselinestretch{\m@m@footnote@spacing}%
9167     \reset@font\foottextfont
9168     \hsize\columnwidth \@parboxrestore
9169     \protected@edef\@currentlabel{%
9170       \csname p@mpfootnote\endcsname\@thefnmark}%
9171     \color@begingroup
9172     \@fourcolfootfmt{#1}%
9173     \color@endgroup}%
9174     \m@mmf@prepare}
9175 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9176   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9177     \unvbox\@mpfootinsv@r
9178     \def\baselinestretch{\m@m@footnote@spacing}%
9179     \reset@font\LTRfoottextfont
9180     \hsize\columnwidth \@parboxrestore
9181     \if@RTLcolumnfootnotes\beginL\fi
9182     \protected@edef\@currentlabel{%
9183       \csname p@mpfootnote\endcsname\@thefnmark}%
9184     \color@begingroup
9185     \@fourcolLTRfootfmt{#1}%
9186     \color@endgroup}%
9187     \m@mmf@prepare}
9188 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9189   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%

```



```

9190 \unvbox\@mpfootinsv@r
9191 \def\baselinestretch{\m@m@footnote@spacing}%
9192 \reset@font\RTLfoottextfont
9193 \hsize\columnwidth \@parboxrestore
9194 \protected@edef\@currentlabel{%
9195 \csname p@mpfootnote\endcsname\@thefnmark}%
9196 \color@begingroup
9197 \@fourcolRTLfootfmt{#1}%
9198 \color@endgroup}%
9199 \m@mmf@prepare}
9200 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
9201 \m@make@fourcolfootnotetext{#1}%
9202 \m@make@mpfourcolfootnotetext{#1}%
9203 \m@make@fourcolfootfmt{#1}%
9204 \m@make@fourcol@footgroup{#1}%
9205 \m@make@mpfourcol@footgroup{#1}%
9206 \m@make@footstart{#1}%
9207 \bidi@namelongdef{\@footnotetext#1}##1{%
9208 \@nameuse{\@fourcolfootnotetext#1}{##1}}%
9209 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9210 \@nameuse{\@mpfourcolfootnotetext#1}{##1}}%
9211 \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%
9212 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mpfourcol@footgroup#1}}%
9213 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9214 \expandafter\count\csname footins#1\endcsname=500\relax}
9215 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
9216 \bidi@namelongdef{\@fourcolfootnotetext#1}##1{%
9217 \insert\@nameuse{\footins#1}{%
9218 \def\baselinestretch{\m@m@footnote@spacing}%
9219 \reset@font\@nameuse{\foottextfont#1}%
9220 \@preamfntext
9221 \protected@edef\@currentlabel{%
9222 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9223 \color@begingroup
9224 \@nameuse{\@fourcolfootfmt#1}{##1}%
9225 \color@endgroup}%
9226 \m@mmf@prepare}}
9227 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
9228 \bidi@namelongdef{\@mpfourcolfootnotetext#1}##1{%
9229 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9230 \unvbox\@nameuse{\@mpfootins#1}
9231 \def\baselinestretch{\m@m@footnote@spacing}%
9232 \reset@font\@nameuse{\foottextfont#1}%
9233 \hsize\columnwidth \@parboxrestore
9234 \protected@edef\@currentlabel{%
9235 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9236 \color@begingroup
9237 \@nameuse{\@fourcolfootfmt#1}{##1}%
9238 \color@endgroup}\m@mmf@prepare}}
9239 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%

```




```

9240 \namedef{@fourcolfootfmt#1}##1{%
9241 \preamfourfmt
9242 {\@nameuse{footfootmark#1}\strut
9243 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9244 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9245 \namedef{@fourcol@footgroup#1}{%
9246 \def\baselinestretch{\m@m@footnote@spacing}%
9247 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9248 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
9249 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9250 \namedef{@mpfourcol@footgroup#1}{%
9251 \def\baselinestretch{\m@m@footnote@spacing}%
9252 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9253 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
9254 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9255 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9256 \@bidi@before@Hy@hyperfootnotes
9257 \let\@footnotetext\@fivecolfootnotetext
9258 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9259 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9260 \dimen\footinsv@r=5\footinsdim
9261 \count\footinsv@r=200\relax
9262 \m@make@fivecol@footgroup{v@r}%
9263 \let\@footgroupv@r\@fivecol@footgroupv@r
9264 \let\@mpfootnotetext\@mpfivecolfootnotetext
9265 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9266 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9267 \@bidi@after@Hy@hyperfootnotes
9268 \m@make@mpfivecol@footgroup{v@r}%
9269 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
9270 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9271 \def\baselinestretch{\m@m@footnote@spacing}%
9272 \reset@font\foottextfont
9273 \@preamfntext
9274 \protected@edef\@currentlabel{%
9275 \csname p@footnote\endcsname\@thefnmark}%
9276 \color@begingroup
9277 \@fivecolfootfmt{#1}%
9278 \color@endgroup}%
9279 \m@mmf@prepare}
9280 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9281 \def\baselinestretch{\m@m@footnote@spacing}%
9282 \reset@font\LTRfoottextfont
9283 \@preamfntext
9284 \protected@edef\@currentlabel{%
9285 \csname p@footnote\endcsname\@thefnmark}%
9286 \color@begingroup
9287 \@fivecolLTRfootfmt{#1}%
9288 \color@endgroup}%
9289 \m@mmf@prepare}

```



```

9290 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9291 \def\baselinestretch{\m@m@footnote@spacing}%
9292 \reset@font\RTLfoottextfont
9293 \@preamfntext
9294 \protected@edef\@currentlabel{%
9295 \csname p@footnote\endcsname\@thefnmark}%
9296 \color@begingroup
9297 \@fivecolRTLfootfmt{#1}%
9298 \color@endgroup}%
9299 \m@mmf@prepare}
9300 \bidi@ensure@newcommand{\@preamfivefmt}{%
9301 \hsize .2\hsize
9302 \parindent=\z@
9303 \tolerance=5000\relax
9304 \leavevmode}
9305 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9306 \@preamfivefmt
9307 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9308 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9309 \@preamfivefmt
9310 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9311 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9312 \@preamfivefmt
9313 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9314 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9315 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9316 \unvbox\@mpfootinsv@r
9317 \def\baselinestretch{\m@m@footnote@spacing}%
9318 \reset@font\foottextfont
9319 \hsize\columnwidth \@parboxrestore
9320 \protected@edef\@currentlabel{%
9321 \csname p@mpfootnote\endcsname\@thefnmark}%
9322 \color@begingroup
9323 \@fivecolfootfmt{#1}%
9324 \color@endgroup}%
9325 \m@mmf@prepare}
9326 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9327 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9328 \unvbox\@mpfootinsv@r
9329 \def\baselinestretch{\m@m@footnote@spacing}%
9330 \reset@font\LTRfoottextfont
9331 \hsize\columnwidth \@parboxrestore
9332 \if@RTLcolumnfootnotes\beginL\fi
9333 \protected@edef\@currentlabel{%
9334 \csname p@mpfootnote\endcsname\@thefnmark}%
9335 \color@begingroup
9336 \@fivecolLTRfootfmt{#1}%
9337 \color@endgroup}%
9338 \m@mmf@prepare}
9339 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%

```



```

9340 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9341 \unvbox\@mpfootinsv@r
9342 \def\baselinestretch{\m@m@footnote@spacing}%
9343 \reset@font\RTLfoottextfont
9344 \hsize\columnwidth \@parboxrestore
9345 \protected@edef\@currentlabel{%
9346 \csname p@mpfootnote\endcsname\@thefnmark}%
9347 \color@begingroup
9348 \@fivecolRTLfootfmt{#1}%
9349 \color@endgroup}%
9350 \m@m@mmf@prepare}
9351 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
9352 \m@make@fivecolfootnotetext{#1}%
9353 \m@make@mpfivecolfootnotetext{#1}%
9354 \m@make@fivecolfootfmt{#1}%
9355 \m@make@fivecol@footgroup{#1}%
9356 \m@make@mpfivecol@footgroup{#1}%
9357 \m@make@footstart{#1}%
9358 \bidi@namelongdef{\@footnotetext#1}##1{%
9359 \@nameuse{\@fivecolfootnotetext#1}{##1}}%
9360 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9361 \@nameuse{\@mpfivecolfootnotetext#1}{##1}}%
9362 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
9363 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfivecol@footgroup#1}}%
9364 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9365 \expandafter\count\csname footins#1\endcsname=500\relax}
9366 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
9367 \bidi@namelongdef{\@fivecolfootnotetext#1}##1{%
9368 \insert\@nameuse{\footins#1}{%
9369 \def\baselinestretch{\m@m@footnote@spacing}%
9370 \reset@font\@nameuse{\foottextfont#1}%
9371 \@preamfntext
9372 \protected@edef\@currentlabel{%
9373 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9374 \color@begingroup
9375 \@nameuse{\@fivecolfootfmt#1}{##1}%
9376 \color@endgroup}%
9377 \m@m@mmf@prepare}}
9378 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
9379 \bidi@namelongdef{\@mpfivecolfootnotetext#1}##1{%
9380 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9381 \unvbox\@nameuse{\@mpfootins#1}
9382 \def\baselinestretch{\m@m@footnote@spacing}%
9383 \reset@font\@nameuse{\foottextfont#1}%
9384 \hsize\columnwidth \@parboxrestore
9385 \protected@edef\@currentlabel{%
9386 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9387 \color@begingroup
9388 \@nameuse{\@fivecolfootfmt#1}{##1}%
9389 \color@endgroup}\m@m@mmf@prepare}}

```



```

9390 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
9391   \namedef{@fivecolfootfmt#1}##1{%
9392     \@preamfivefmt
9393     {\@nameuse{footfootmark#1}\strut
9394       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9395 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9396   \namedef{@fivecol@footgroup#1}{%
9397     \def\baselinestretch{\m@m@footnote@spacing}%
9398     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9399     \m@mrigidbodybalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
9400 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9401   \namedef{@mpfivecol@footgroup#1}{%
9402     \def\baselinestretch{\m@m@footnote@spacing}%
9403     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9404     \m@mrigidbodybalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}%
9405 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9406   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9407   \@bidi@before@Hy@hyperfootnotes
9408   \let\@footnotetext\@sixcolfootnotetext
9409   \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9410   \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9411   \dimen\footinsv@r=6\footinsdim
9412   \count\footinsv@r=166\relax
9413   \m@make@sixcol@footgroup{v@r}%
9414   \let\@footgroupv@r\@sixcol@footgroupv@r
9415   \let\@mpfootnotetext\@mpsixcolfootnotetext
9416   \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9417   \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9418   \@bidi@after@Hy@hyperfootnotes
9419   \m@make@mpsixcol@footgroup{v@r}%
9420   \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
9421 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9422   \def\baselinestretch{\m@m@footnote@spacing}%
9423   \reset@font\foottextfont
9424   \@preamfntext
9425   \protected@edef\@currentlabel{%
9426     \csname p@footnote\endcsname\@thefnmark}%
9427   \color@begingroup
9428     \@sixcolfootfmt{#1}%
9429   \color@endgroup}%
9430   \m@m@prepare}
9431 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9432   \def\baselinestretch{\m@m@footnote@spacing}%
9433   \reset@font\LTRfoottextfont
9434   \@preamfntext
9435   \protected@edef\@currentlabel{%
9436     \csname p@footnote\endcsname\@thefnmark}%
9437   \color@begingroup
9438     \@sixcolLTRfootfmt{#1}%
9439   \color@endgroup}%

```



```

9440 \m@mmf@prepare}
9441 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9442 \def\baselinestretch{\m@m@footnote@spacing}%
9443 \reset@font\RTLfoottextfont
9444 \@preamfntext
9445 \protected@edef\@currentlabel{%
9446 \csname p@footnote\endcsname\@thefnmark}%
9447 \color@begingroup
9448 \@sixcolRTLfootfmt{#1}%
9449 \color@endgroup}%
9450 \m@mmf@prepare}
9451 \bidi@ensure@newcommand{\@preamsixfmt}{%
9452 \hsize .16\hsize
9453 \parindent=\z@
9454 \tolerance=5000\relax
9455 \leavevmode}
9456 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9457 \@preamsixfmt
9458 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9459 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9460 \@preamsixfmt
9461 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9462 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9463 \@preamsixfmt
9464 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9465 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
9466 \global\setbox\@mpfootinsv@r\vbox{%
9467 \unvbox\@mpfootinsv@r
9468 \def\baselinestretch{\m@m@footnote@spacing}%
9469 \reset@font\foottextfont
9470 \hsize\columnwidth \@parboxrestore
9471 \protected@edef\@currentlabel{%
9472 \csname p@mpfootnote\endcsname\@thefnmark}%
9473 \color@begingroup
9474 \@sixcolfootfmt{#1}%
9475 \color@endgroup}%
9476 \m@mmf@prepare}
9477 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
9478 \global\setbox\@mpfootinsv@r\vbox{%
9479 \unvbox\@mpfootinsv@r
9480 \def\baselinestretch{\m@m@footnote@spacing}%
9481 \reset@font\LTRfoottextfont
9482 \hsize\columnwidth \@parboxrestore
9483 \if@RTLcolumnfootnotes\beginL\fi
9484 \protected@edef\@currentlabel{%
9485 \csname p@mpfootnote\endcsname\@thefnmark}%
9486 \color@begingroup
9487 \@sixcolLTRfootfmt{#1}%
9488 \color@endgroup}%
9489 \m@mmf@prepare}

```



```

9490 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
9491 \global\setbox\@mpfootinsv@r\vbox{%
9492 \unvbox\@mpfootinsv@r
9493 \def\baselinestretch{\m@m@footnote@spacing}%
9494 \reset@font\RTLfoottextfont
9495 \hsize\columnwidth \@parboxrestore
9496 \protected@edef\@currentlabel{%
9497 \csname p@mpfootnote\endcsname\@thefnmark}%
9498 \color@begingroup
9499 \@sixcolRTLfootfmt{#1}%
9500 \color@endgroup}%
9501 \m@m@prepare}
9502 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
9503 \m@make@sixcolfootnotetext{#1}%
9504 \m@make@mpsixcolfootnotetext{#1}%
9505 \m@make@sixcolfootfmt{#1}%
9506 \m@make@sixcol@footgroup{#1}%
9507 \m@make@mpsixcol@footgroup{#1}%
9508 \m@make@footstart{#1}%
9509 \bidi@namelongdef{\footnotetext#1}##1{%
9510 \nameuse{\@sixcolfootnotetext#1}{##1}}%
9511 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9512 \nameuse{\@mpsixcolfootnotetext#1}{##1}}%
9513 \@namedef{\footgroup#1}{\nameuse{\@sixcol@footgroup#1}}%
9514 \@namedef{\mp@footgroup#1}{\nameuse{\@mpsixcol@footgroup#1}}%
9515 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9516 \expandafter\count\csname footins#1\endcsname=500\relax}
9517 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
9518 \bidi@namelongdef{\@sixcolfootnotetext#1}##1{%
9519 \insert\@nameuse{\footins#1}{%
9520 \def\baselinestretch{\m@m@footnote@spacing}%
9521 \reset@font\@nameuse{\foottextfont#1}%
9522 \@preamfntext
9523 \protected@edef\@currentlabel{%
9524 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9525 \color@begingroup
9526 \@nameuse{\@sixcolfootfmt#1}{##1}%
9527 \color@endgroup}%
9528 \m@m@prepare}}
9529 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9530 \bidi@namelongdef{\@mpsixcolfootnotetext#1}##1{%
9531 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9532 \unvbox\@nameuse{\@mpfootins#1}
9533 \def\baselinestretch{\m@m@footnote@spacing}%
9534 \reset@font\@nameuse{\foottextfont#1}%
9535 \hsize\columnwidth \@parboxrestore
9536 \protected@edef\@currentlabel{%
9537 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9538 \color@begingroup
9539 \@nameuse{\@sixcolfootfmt#1}{##1}%

```



```

9540 \color@endgroup}\m@mmf@prepare}}
9541 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9542 \namedef{@sixcolfootfmt#1}##1{%
9543 \@preamsixfmt
9544 {\@nameuse{footfootmark#1}\strut
9545 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9546 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9547 \namedef{@sixcol@footgroup#1}{%
9548 \def\baselinestretch{\m@m@footnote@spacing}%
9549 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9550 \m@rrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
9551 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9552 \namedef{@mpsixcol@footgroup#1}{%
9553 \def\baselinestretch{\m@m@footnote@spacing}%
9554 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9555 \m@rrigidbalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}}}
9556 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9557 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9558 \@bidi@before@Hy@hyperfootnotes
9559 \let\@footnotetext\@sevendcolfootnotetext
9560 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9561 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9562 \dimen\footinsv@r=7\footinsdim
9563 \count\footinsv@r=142\relax
9564 \m@make@sevendcol@footgroup{v@r}%
9565 \let\@footgroupv@r\@sevendcol@footgroupv@r
9566 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9567 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9568 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9569 \@bidi@after@Hy@hyperfootnotes
9570 \m@make@mpsevendcol@footgroup{v@r}%
9571 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
9572 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9573 \def\baselinestretch{\m@m@footnote@spacing}%
9574 \reset@font\foottextfont
9575 \@preamfntext
9576 \protected@edef\@currentlabel{%
9577 \csname p@footnote\endcsname\@thefnmark}%
9578 \color@begingroup
9579 \@sevendcolfootfmt{#1}%
9580 \color@endgroup}%
9581 \m@mmf@prepare}
9582 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9583 \def\baselinestretch{\m@m@footnote@spacing}%
9584 \reset@font\LTRfoottextfont
9585 \@preamfntext
9586 \protected@edef\@currentlabel{%
9587 \csname p@footnote\endcsname\@thefnmark}%
9588 \color@begingroup
9589 \@sevendcolLTRfootfmt{#1}%

```



```

9590 \color@endgroup}%
9591 \m@mmf@prepare}
9592 \bidi@ensure@newcommand{\@sevencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9593 \def\baselinestretch{\m@m@footnote@spacing}%
9594 \reset@font\RTLfoottextfont
9595 \@preamfntext
9596 \protected@edef\@currentlabel{%
9597 \csname p@footnote\endcsname\@thefnmark}%
9598 \color@begingroup
9599 \@sevencolRTLfootfmt{#1}%
9600 \color@endgroup}%
9601 \m@mmf@prepare}
9602 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9603 \hsize .142\hsize
9604 \parindent=\z@
9605 \tolerance=5000\relax
9606 \leavevmode}
9607 \bidi@ensure@newcommand{\@sevencolfootfmt}[1]{%
9608 \@preamsevenfmt
9609 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9610 \bidi@ensure@newcommand{\@sevencolLTRfootfmt}[1]{%
9611 \@preamsevenfmt
9612 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9613 \bidi@ensure@newcommand{\@sevencolRTLfootfmt}[1]{%
9614 \@preamsevenfmt
9615 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9616 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9617 \global\setbox\@mpfootinsv@r\vbox{%
9618 \unvbox\@mpfootinsv@r
9619 \def\baselinestretch{\m@m@footnote@spacing}%
9620 \reset@font\foottextfont
9621 \hsize\columnwidth \@parboxrestore
9622 \protected@edef\@currentlabel{%
9623 \csname p@mpfootnote\endcsname\@thefnmark}%
9624 \color@begingroup
9625 \@sevencolfootfmt{#1}%
9626 \color@endgroup}%
9627 \m@mmf@prepare}
9628 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{\@RTLfalse%
9629 \global\setbox\@mpfootinsv@r\vbox{%
9630 \unvbox\@mpfootinsv@r
9631 \def\baselinestretch{\m@m@footnote@spacing}%
9632 \reset@font\LTRfoottextfont
9633 \hsize\columnwidth \@parboxrestore
9634 \if@RTLcolumnfootnotes\beginL\fi
9635 \protected@edef\@currentlabel{%
9636 \csname p@mpfootnote\endcsname\@thefnmark}%
9637 \color@begingroup
9638 \@sevencolLTRfootfmt{#1}%
9639 \color@endgroup}%

```




```

9640 \m@mmf@prepare}
9641 \bidi@ensure@newcommand{\@mpsevencolRTLfootnotetext}[1]{\@RTLtrue%
9642 \global\setbox\@mpfootinsv@r\vbox{%
9643 \unvbox\@mpfootinsv@r
9644 \def\baselinestretch{\m@m@footnote@spacing}%
9645 \reset@font\RTLfoottextfont
9646 \hsize\columnwidth \@parboxrestore
9647 \protected@edef\@currentlabel{%
9648 \csname p@mpfootnote\endcsname\@thefnmark}%
9649 \color@begingroup
9650 \@sevencolRTLfootfmt{#1}%
9651 \color@endgroup}%
9652 \m@mmf@prepare}
9653 \bidi@ensure@newcommand{\sevencolumnfootstyle}[1]{%
9654 \m@make@sevencolfootnotetext{#1}%
9655 \m@make@mpsevencolfootnotetext{#1}%
9656 \m@make@sevencolfootfmt{#1}%
9657 \m@make@sevencol@footgroup{#1}%
9658 \m@make@mpsevencol@footgroup{#1}%
9659 \m@make@footstart{#1}%
9660 \bidi@namelongdef{\@footnotetext#1}##1{%
9661 \@nameuse{\@sevencolfootnotetext#1}{##1}}%
9662 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9663 \@nameuse{\@mpsevencolfootnotetext#1}{##1}}%
9664 \@namedef{\@footgroup#1}{\@nameuse{\@sevencol@footgroup#1}}%
9665 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsevencol@footgroup#1}}%
9666 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9667 \expandafter\count\csname footins#1\endcsname=500\relax
9668 \bidi@ensure@newcommand{\m@make@sevencolfootnotetext}[1]{%
9669 \bidi@namelongdef{\@sevencolfootnotetext#1}##1{%
9670 \insert\@nameuse{footins#1}{%
9671 \def\baselinestretch{\m@m@footnote@spacing}%
9672 \reset@font\@nameuse{foottextfont#1}%
9673 \@preamfntext
9674 \protected@edef\@currentlabel{%
9675 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9676 \color@begingroup
9677 \@nameuse{\@sevencolfootfmt#1}{##1}%
9678 \color@endgroup}%
9679 \m@mmf@prepare}}
9680 \bidi@ensure@newcommand{\m@make@mpsevencolfootnotetext}[1]{%
9681 \bidi@namelongdef{\@mpsevencolfootnotetext#1}##1{%
9682 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9683 \unvbox\@nameuse{\@mpfootins#1}
9684 \def\baselinestretch{\m@m@footnote@spacing}%
9685 \reset@font\@nameuse{foottextfont#1}%
9686 \hsize\columnwidth \@parboxrestore
9687 \protected@edef\@currentlabel{%
9688 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9689 \color@begingroup

```



```

9690 \nameuse{@sevendcolfootfmt#1}{##1}%
9691 \color@endgroup}\m@mmf@prepare}}
9692 \bidi@ensure@newcommand{\m@make@sevendcolfootfmt}[1]{%
9693 \namedef{@sevendcolfootfmt#1}##1{%
9694 \preamsevenfmt
9695 {\@nameuse{footfootmark#1}\strut
9696 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9697 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
9698 \namedef{@sevendcol@footgroup#1}{%
9699 \def\baselinestretch{\m@m@footnote@spacing}%
9700 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9701 \m@r@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
9702 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%
9703 \namedef{@mpsevendcol@footgroup#1}{%
9704 \def\baselinestretch{\m@m@footnote@spacing}%
9705 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9706 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
9707 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9708 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9709 \@bidi@before@Hy@hyperfootnotes
9710 \let\@footnotetext\@eightcolfootnotetext
9711 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9712 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9713 \dimen\footinsv@r=8\footinsdim
9714 \count\footinsv@r=125\relax
9715 \m@make@eightcol@footgroup{v@r}%
9716 \let\@footgroupv@r\@eightcol@footgroupv@r
9717 \let\@mpfootnotetext\@mpeightcolfootnotetext
9718 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9719 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9720 \@bidi@after@Hy@hyperfootnotes
9721 \m@make@mpeightcol@footgroup{v@r}%
9722 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9723 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9724 \def\baselinestretch{\m@m@footnote@spacing}%
9725 \reset@font\foottextfont
9726 \@preamfntext
9727 \protected@edef\@currentlabel{%
9728 \csname p@footnote\endcsname\@thefnmark}%
9729 \color@begingroup
9730 \@eightcolfootfmt{#1}%
9731 \color@endgroup}%
9732 \m@mmf@prepare}
9733 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9734 \def\baselinestretch{\m@m@footnote@spacing}%
9735 \reset@font\LTRfoottextfont
9736 \@preamfntext
9737 \protected@edef\@currentlabel{%
9738 \csname p@footnote\endcsname\@thefnmark}%
9739 \color@begingroup

```



```

9740 \eightcolLTRfootfmt{#1}%
9741 \color@endgroup}%
9742 \m@mmf@prepare}
9743 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9744 \def\baselinestretch{\m@m@footnote@spacing}%
9745 \reset@font\RTLfoottextfont
9746 \@preamfntext
9747 \protected@edef\@currentlabel{%
9748 \csname p@footnote\endcsname\@thefnmark}%
9749 \color@begingroup
9750 \@eightcolRTLfootfmt{#1}%
9751 \color@endgroup}%
9752 \m@mmf@prepare}
9753 \bidi@ensure@newcommand{\@preameightfmt}{%
9754 \hsize .125\hsize
9755 \parindent=\z@
9756 \tolerance=5000\relax
9757 \leavevmode}
9758 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9759 \@preameightfmt
9760 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9761 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9762 \@preameightfmt
9763 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9764 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9765 \@preameightfmt
9766 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9767 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9768 \global\setbox\@mpfootinsv@r\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9769 \unvbox\@mpfootinsv@r
9770 \def\baselinestretch{\m@m@footnote@spacing}%
9771 \reset@font\foottextfont
9772 \hsize\columnwidth \@parboxrestore
9773 \protected@edef\@currentlabel{%
9774 \csname p@mpfootnote\endcsname\@thefnmark}%
9775 \color@begingroup
9776 \@eightcolfootfmt{#1}%
9777 \color@endgroup}%
9778 \m@mmf@prepare}
9779 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9780 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9781 \unvbox\@mpfootinsv@r
9782 \def\baselinestretch{\m@m@footnote@spacing}%
9783 \reset@font\LTRfoottextfont
9784 \hsize\columnwidth \@parboxrestore
9785 \ifRTLcolumnfootnotes\beginL\fi
9786 \protected@edef\@currentlabel{%
9787 \csname p@mpfootnote\endcsname\@thefnmark}%
9788 \color@begingroup
9789 \@eightcolLTRfootfmt{#1}%

```



```

9790 \color@endgroup}%
9791 \m@mmf@prepare}
9792 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9793 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9794 \unvbox\@mpfootinsv@r
9795 \def\baselinestretch{\m@m@footnote@spacing}%
9796 \reset@font\RTLfoottextfont
9797 \hsize\columnwidth \@parboxrestore
9798 \protected@edef\@currentlabel{%
9799 \csname p@mpfootnote\endcsname\@thefnmark}%
9800 \color@begingroup
9801 \@eightcolRTLfootfmt{#1}%
9802 \color@endgroup}%
9803 \m@mmf@prepare}
9804 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9805 \m@make@eightcolfootnotetext{#1}%
9806 \m@make@mpeightcolfootnotetext{#1}%
9807 \m@make@eightcolfootfmt{#1}%
9808 \m@make@eightcol@footgroup{#1}%
9809 \m@make@mpeightcol@footgroup{#1}%
9810 \m@make@footstart{#1}%
9811 \bidi@namelongdef{\footnotetext#1}##1{%
9812 \nameuse{\@eightcolfootnotetext#1}{##1}}%
9813 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9814 \nameuse{\@mpeightcolfootnotetext#1}{##1}}%
9815 \namedef{\@footgroup#1}{\nameuse{\@eightcol@footgroup#1}}%
9816 \namedef{\mp@footgroup#1}{\nameuse{\@mpeightcol@footgroup#1}}%
9817 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9818 \expandafter\count\csname footins#1\endcsname=500\relax}
9819 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9820 \bidi@namelongdef{\@eightcolfootnotetext#1}##1{%
9821 \insert\@nameuse{footins#1}{%
9822 \def\baselinestretch{\m@m@footnote@spacing}%
9823 \reset@font\@nameuse{foottextfont#1}%
9824 \@preamfntext
9825 \protected@edef\@currentlabel{%
9826 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9827 \color@begingroup
9828 \@nameuse{\@eightcolfootfmt#1}{##1}%
9829 \color@endgroup}%
9830 \m@mmf@prepare}}
9831 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9832 \bidi@namelongdef{\@mpeightcolfootnotetext#1}##1{%
9833 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9834 \unvbox\@nameuse{\@mpfootins#1}
9835 \def\baselinestretch{\m@m@footnote@spacing}%
9836 \reset@font\@nameuse{foottextfont#1}%
9837 \hsize\columnwidth \@parboxrestore
9838 \protected@edef\@currentlabel{%
9839 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%

```



```

9840 \color@begingroup
9841 \nameuse{@eightcolfootfmt#1}{##1}%
9842 \color@endgroup}\m@mmf@prepare}}
9843 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9844 \namedef{@eightcolfootfmt#1}{##1}%
9845 \@preameightfmt
9846 {\nameuse{footfootmark#1}\strut
9847 {\nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9848 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9849 \namedef{@eightcol@footgroup#1}{%
9850 \def\baselinestretch{\m@make@footnote@spacing}%
9851 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9852 \m@r@rigidbalance{\nameuse{footins#1}}{8}{\splittopskip}}}}
9853 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9854 \namedef{@mpeightcol@footgroup#1}{%
9855 \def\baselinestretch{\m@make@footnote@spacing}%
9856 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9857 \m@r@rigidbalance{\nameuse{mpfootins#1}}{8}{\splittopskip}}}}
9858 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9859 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9860 \@bidi@before@Hy@hyperfootnotes
9861 \let\@footnotetext\@ninecolfootnotetext
9862 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9863 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9864 \dimen\footinsv@r=9\footinsdim
9865 \count\footinsv@r=111\relax
9866 \m@make@ninecol@footgroup{v@r}%
9867 \let\@footgroupv@r\@ninecol@footgroupv@r
9868 \let\@mpfootnotetext\@mpninecolfootnotetext
9869 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9870 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9871 \@bidi@after@Hy@hyperfootnotes
9872 \m@make@mpninecol@footgroup{v@r}%
9873 \let\@mp@footgroupv@r\@mpninecol@footgroupv@r}
9874 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9875 \def\baselinestretch{\m@make@footnote@spacing}%
9876 \reset@font\foottextfont
9877 \@preamfntext
9878 \protected@edef\@currentlabel{%
9879 \csname p@footnote\endcsname\@thefnmark}%
9880 \color@begingroup
9881 \@ninecolfootfmt{#1}%
9882 \color@endgroup}%
9883 \m@mmf@prepare}
9884 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9885 \def\baselinestretch{\m@make@footnote@spacing}%
9886 \reset@font\LTRfoottextfont
9887 \@preamfntext
9888 \protected@edef\@currentlabel{%
9889 \csname p@footnote\endcsname\@thefnmark}%

```



```

9890 \color@begingroup
9891 \@ninecolLTRfootfmt{#1}%
9892 \color@endgroup}%
9893 \m@mmf@prepare}
9894 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9895 \def\baselinestretch{\m@m@footnote@spacing}%
9896 \reset@font\RTLfoottextfont
9897 \@preamfntext
9898 \protected@edef\@currentlabel{%
9899 \csname p@footnote\endcsname\@thefnmark}%
9900 \color@begingroup
9901 \@ninecolRTLfootfmt{#1}%
9902 \color@endgroup}%
9903 \m@mmf@prepare}
9904 \bidi@ensure@newcommand{\@preamninefmt}{%
9905 \hsize .1\hsize
9906 \parindent=\z@
9907 \tolerance=5000\relax
9908 \leavevmode}
9909 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9910 \@preamninefmt
9911 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9912 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9913 \@preamninefmt
9914 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9915 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9916 \@preamninefmt
9917 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9918 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9919 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9920 \unvbox\@mpfootinsv@r
9921 \def\baselinestretch{\m@m@footnote@spacing}%
9922 \reset@font\foottextfont
9923 \hsize\columnwidth \@parboxrestore
9924 \protected@edef\@currentlabel{%
9925 \csname p@mpfootnote\endcsname\@thefnmark}%
9926 \color@begingroup
9927 \@ninecolfootfmt{#1}%
9928 \color@endgroup}%
9929 \m@mmf@prepare}
9930 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9931 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9932 \unvbox\@mpfootinsv@r
9933 \def\baselinestretch{\m@m@footnote@spacing}%
9934 \reset@font\LTRfoottextfont
9935 \hsize\columnwidth \@parboxrestore
9936 \if@RTLcolumnfootnotes\beginL\fi
9937 \protected@edef\@currentlabel{%
9938 \csname p@mpfootnote\endcsname\@thefnmark}%
9939 \color@begingroup

```



```

9940 \@ninelcolLTRfootfmt{#1}%
9941 \color@endgroup}%
9942 \m@mmf@prepare}
9943 \bidi@ensure@newcommand{\@mpninelcolRTLfootnotetext}[1]{%
9944 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9945 \unvbox\@mpfootinsv@r
9946 \def\baselinestretch{\m@m@footnote@spacing}%
9947 \reset@font\RTLfoottextfont
9948 \hsize\columnwidth \@parboxrestore
9949 \protected@edef\@currentlabel{%
9950 \csname p@mpfootnote\endcsname\@thefnmark}%
9951 \color@begingroup
9952 \@ninelcolRTLfootfmt{#1}%
9953 \color@endgroup}%
9954 \m@mmf@prepare}
9955 \bidi@ensure@newcommand{\ninelcolumnfootstyle}[1]{%
9956 \m@make@ninelcolfootnotetext{#1}%
9957 \m@make@mpninelcolfootnotetext{#1}%
9958 \m@make@ninelcolfootfmt{#1}%
9959 \m@make@ninelcol@footgroup{#1}%
9960 \m@make@mpninelcol@footgroup{#1}%
9961 \m@make@footstart{#1}%
9962 \bidi@namelongdef{\@footnotetext#1}##1{%
9963 \@nameuse{\@ninelcolfootnotetext#1}{##1}}%
9964 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9965 \@nameuse{\@mpninelcolfootnotetext#1}{##1}}%
9966 \@namedef{\@footgroup#1}{\@nameuse{\@ninelcol@footgroup#1}}%
9967 \@namedef{\@mpfootgroup#1}{\@nameuse{\@mpninelcol@footgroup#1}}%
9968 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9969 \expandafter\count\csname footins#1\endcsname=500\relax
9970 \bidi@ensure@newcommand{\m@make@ninelcolfootnotetext}[1]{%
9971 \bidi@namelongdef{\@ninelcolfootnotetext#1}##1{%
9972 \insert\@nameuse{\footins#1}{%
9973 \def\baselinestretch{\m@m@footnote@spacing}%
9974 \reset@font\@nameuse{\foottextfont#1}%
9975 \@preamfntext
9976 \protected@edef\@currentlabel{%
9977 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9978 \color@begingroup
9979 \@nameuse{\@ninelcolfootfmt#1}{##1}%
9980 \color@endgroup}%
9981 \m@mmf@prepare}}
9982 \bidi@ensure@newcommand{\m@make@mpninelcolfootnotetext}[1]{%
9983 \bidi@namelongdef{\@mpninelcolfootnotetext#1}##1{%
9984 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9985 \unvbox\@nameuse{\@mpfootins#1}
9986 \def\baselinestretch{\m@m@footnote@spacing}%
9987 \reset@font\@nameuse{\foottextfont#1}%
9988 \hsize\columnwidth \@parboxrestore
9989 \protected@edef\@currentlabel{%

```



```

9990      \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9991      \color@begingroup
9992      \@nameuse{@ninecolfootfmt#1}{##1}%
9993      \color@endgroup}\m@mmf@prepare}}
9994 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
9995   \@namedef{@ninecolfootfmt#1}{##1}%
9996   \@preamninefmt
9997   {\@nameuse{footfootmark#1}\strut
9998    {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9999 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
10000  \@namedef{@ninecol@footgroup#1}{%
10001   \def\baselinestretch{\m@make@footnote@spacing}%
10002   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10003   \m@r rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
10004 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
10005  \@namedef{@mpninecol@footgroup#1}{%
10006   \def\baselinestretch{\m@make@footnote@spacing}%
10007   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10008   \m@r rigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}}%
10009 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
10010  \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10011  \@bidi@before@Hy@hyperfootnotes
10012  \let\@footnotetext\@tencolfootnotetext
10013  \let\@LTRfootnotetext\@tencolLTRfootnotetext
10014  \let\@RTLfootnotetext\@tencolRTLfootnotetext
10015  \dimen\footinsv@r=10\footinsdim
10016  \count\footinsv@r=100\relax
10017  \m@make@tencol@footgroup{v@r}%
10018  \let\@footgroupv@r\@tencol@footgroupv@r
10019  \let\@mpfootnotetext\@mptencolfootnotetext
10020  \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
10021  \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
10022  \@bidi@after@Hy@hyperfootnotes
10023  \m@make@mptencol@footgroup{v@r}%
10024  \let\mp@footgroupv@r\@mptencol@footgroupv@r}
10025 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue}
10026  \def\baselinestretch{\m@make@footnote@spacing}%
10027  \reset@font\foottextfont
10028  \@preamfntext
10029  \protected@edef\@currentlabel{%
10030   \csname p@footnote\endcsname\@thefnmark}%
10031  \color@begingroup
10032   \@tencolfootfmt{#1}%
10033  \color@endgroup}%
10034  \m@mmf@prepare}
10035 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes}
10036  \def\baselinestretch{\m@make@footnote@spacing}%
10037  \reset@font\LTRfoottextfont
10038  \@preamfntext
10039  \protected@edef\@currentlabel{%

```




```

10040 \csname p@footnote\endcsname\@thefnmark}%
10041 \color@begingroup
10042 \@tencolLTRfootfmt{#1}%
10043 \color@endgroup}%
10044 \m@mmf@prepare}
10045 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10046 \def\baselinestretch{\m@m@footnote@spacing}%
10047 \reset@font\RTLfoottextfont
10048 \@preamfntext
10049 \protected@edef\@currentlabel{%
10050 \csname p@footnote\endcsname\@thefnmark}%
10051 \color@begingroup
10052 \@tencolRTLfootfmt{#1}%
10053 \color@endgroup}%
10054 \m@mmf@prepare}
10055 \bidi@ensure@newcommand{\@preamtenfmt}{%
10056 \hspace .1\hspace
10057 \parindent=\z@
10058 \tolerance=5000\relax
10059 \leavevmode}
10060 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10061 \@preamtenfmt
10062 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10063 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10064 \@preamtenfmt
10065 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10066 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10067 \@preamtenfmt
10068 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10069 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10070 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10071 \unvbox\@mpfootinsv@r
10072 \def\baselinestretch{\m@m@footnote@spacing}%
10073 \reset@font\foottextfont
10074 \hspace\columnwidth \@parboxrestore
10075 \protected@edef\@currentlabel{%
10076 \csname p@mpfootnote\endcsname\@thefnmark}%
10077 \color@begingroup
10078 \@tencolfootfmt{#1}%
10079 \color@endgroup}%
10080 \m@mmf@prepare}
10081 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10082 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10083 \unvbox\@mpfootinsv@r
10084 \def\baselinestretch{\m@m@footnote@spacing}%
10085 \reset@font\LTRfoottextfont
10086 \hspace\columnwidth \@parboxrestore
10087 \if@RTLcolumnfootnotes\beginL\fi
10088 \protected@edef\@currentlabel{%
10089 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

10090 \color@begingroup
10091   \@tencolLTRfootfmt{#1}%
10092 \color@endgroup}%
10093 \m@mmf@prepare}
10094 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10095   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10096     \unvbox\@mpfootinsv@r
10097     \def\baselinestretch{\m@m@footnote@spacing}%
10098     \reset@font\RTLfoottextfont
10099     \hsize\columnwidth \@parboxrestore
10100     \protected@edef\@currentlabel{%
10101       \csname p@mpfootnote\endcsname\@thefnmark}%
10102 \color@begingroup
10103   \@tencolRTLfootfmt{#1}%
10104 \color@endgroup}%
10105 \m@mmf@prepare}
10106 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
10107   \m@make@tencolfootnotetext{#1}%
10108   \m@make@mptencolfootnotetext{#1}%
10109   \m@make@tencolfootfmt{#1}%
10110   \m@make@tencol@footgroup{#1}%
10111   \m@make@mptencol@footgroup{#1}%
10112   \m@make@footstart{#1}%
10113   \bidi@namelongdef{\@footnotetext#1}##1{%
10114     \@nameuse{\@tencolfootnotetext#1}{##1}}%
10115   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10116     \@nameuse{\@mptencolfootnotetext#1}{##1}}%
10117   \@namedef{\@footgroup#1}{\@nameuse{\@tencol@footgroup#1}}%
10118   \@namedef{\@mp@footgroup#1}{\@nameuse{\@mptencol@footgroup#1}}%
10119   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10120   \expandafter\count\csname footins#1\endcsname=500\relax}
10121 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
10122   \bidi@namelongdef{\@tencolfootnotetext#1}##1{%
10123     \insert\@nameuse{\footins#1}{%
10124       \def\baselinestretch{\m@m@footnote@spacing}%
10125       \reset@font\@nameuse{\foottextfont#1}%
10126       \@preamfntext
10127       \protected@edef\@currentlabel{%
10128         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
10129       \color@begingroup
10130         \@nameuse{\@tencolfootfmt#1}{##1}%
10131       \color@endgroup}%
10132     \m@mmf@prepare}}
10133 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
10134 \bidi@namelongdef{\@mptencolfootnotetext#1}##1{%
10135   \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
10136     \unvbox\@nameuse{\@mpfootins#1}
10137     \def\baselinestretch{\m@m@footnote@spacing}%
10138     \reset@font\@nameuse{\foottextfont#1}%
10139     \hsize\columnwidth \@parboxrestore

```



```

10140 \protected@edef\@currentlabel{%
10141 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
10142 \color@begingroup
10143 \@nameuse{@tencolfootfmt#1}{##1}%
10144 \color@endgroup}\m@mmf@prepare}}
10145 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
10146 \@namedef{@tencolfootfmt#1}##1{%
10147 \@preamtenfmt
10148 {\@nameuse{footfootmark#1}\strut
10149 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10150 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10151 \@namedef{@tencol@footgroup#1}{%
10152 \def\baselinestretch{\m@m@footnote@spacing}%
10153 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10154 \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
10155 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10156 \@namedef{@mptencol@footgroup#1}{%
10157 \def\baselinestretch{\m@m@footnote@spacing}%
10158 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10159 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
10160 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10161 \setbox0=\vbox{\unvbox#1%
10162 \global\setbox1=\lastbox}%
10163 \unhbox1
10164 \unskip
10165 \unskip
10166 \unpenalty
10167 \hskip\m@mipn@skip}
10168 \bidi@ensure@newcommand{\m@mungebox}{%
10169 \setbox0=\hbox{\m@munvxh0}%
10170 \dp0=\z@
10171 \ht0=\footfudgefactor\wd0
10172 \box0
10173 \penalty0}
10174 \newskip\m@mipn@skip
10175 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
10176 {\foottextfont\global\m@mipn@skip=#1\relax}}
10177 \m@minterparanoteglua{1em plus.4em minus.4em}
10178 \@ifpackageloaded{multicol}{%
10179 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10180 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10181 \hsize\textwidth%
10182 \setbox0=\hbox{}%
10183 \loop
10184 \unpenalty
10185 \setbox2=\lastbox
10186 \ifhbox2
10187 \setbox0=\hbox{\box2\unhbox0}
10188 \repeat}
10189 }%

```



```

10190 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10191 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10192 \setbox0=\hbox{}%
10193 \loop
10194 \unpenalty
10195 \setbox2=\lastbox
10196 \ifhbox2
10197 \setbox0=\hbox{\box2\unhbox0}
10198 \repeat}}
10199 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10200 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10201 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
10202 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10203 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10204 \@bidi@before@Hy@hyperfootnotes
10205 \let\@footnotetext\@parafootnotetext
10206 \let\@LTRfootnotetext\@paraLTRfootnotetext
10207 \let\@RTLfootnotetext\@paraRTLfootnotetext
10208 \dimen\footinsv@r=\footinsdim
10209 \count\footinsv@r=1000\relax
10210 \m@make@para@footgroup{v@r}%
10211 \let\@footgroupv@r\@para@footgroupv@r
10212 \let\@mpfootnotetext\@mpparafootnotetext
10213 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10214 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10215 \@bidi@after@Hy@hyperfootnotes
10216 \m@make@mppara@footgroup{v@r}%
10217 \let\mp@footgroupv@r\@mppara@footgroupv@r
10218 \begingroup
10219 \def\baselinestretch{\m@m@footnote@spacing}%
10220 \foottextfont
10221 \@tempdima\normalbaselineskip
10222 \multiply \@tempdima \@cclvi
10223 \@tempdimb \columnwidth
10224 \divide \@tempdimb \@cclvi
10225 \divide \@tempdima \@tempdimb
10226 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10227 \endgroup
10228 }
10229 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
10230 \let\bidi@RTL@everypar\@empty%
10231 \def\baselinestretch{\m@m@footnote@spacing}%
10232 \reset@font\foottextfont
10233 \@preamfntext
10234 \protected@edef\@currentlabel{%
10235 \csname p@footnote\endcsname\@thefnmark}%
10236 \setbox0=\vbox{\hsize=\maxdimen
10237 \color@begingroup
10238 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
10239 \color@endgroup}%

```



```

10240 \m@mungebox}\m@mmf@prepare}
10241 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
10242 \let\bidi@RTL@everypar\@empty%
10243 \def\baselinestretch{\m@m@footnote@spacing}%
10244 \reset@font\LTRfoottextfont
10245 \@preamfntext
10246 \protected@edef\@currentlabel{%
10247 \csname p@footnote\endcsname\@thefnmark}%
10248 \setbox0=\vbox{\hsize=\maxdimen
10249 \color@begingroup
10250 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10251 \color@endgroup}%
10252 \m@mungebox}\m@mmf@prepare}
10253 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10254 \let\bidi@RTL@everypar\@empty%
10255 \def\baselinestretch{\m@m@footnote@spacing}%
10256 \reset@font\RTLfoottextfont
10257 \@preamfntext
10258 \protected@edef\@currentlabel{%
10259 \csname p@footnote\endcsname\@thefnmark}%
10260 \setbox0=\vbox{\hsize=\maxdimen
10261 \color@begingroup
10262 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10263 \color@endgroup}%
10264 \m@mungebox}\m@mmf@prepare}
10265 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10266 \parindent=\z@
10267 \parfillskip=0pt \@plus 1fil
10268 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10269 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10270 \parindent=\z@
10271 \parfillskip=0pt \@plus 1fil
10272 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10273 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10274 \parindent=\z@
10275 \parfillskip=0pt \@plus 1fil
10276 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10277 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10278 \global\setbox\@mpfootinsv@r\vbox{%
10279 \let\bidi@RTL@everypar\@empty%
10280 \def\baselinestretch{\m@m@footnote@spacing}%
10281 \unvbox\@mpfootinsv@r
10282 \reset@font\foottextfont
10283 \hsize\columnwidth \@parboxrestore
10284 \protected@edef\@currentlabel{%
10285 \csname p@mpfootnote\endcsname\@thefnmark}%
10286 \setbox0=\vbox{\hsize=\maxdimen
10287 \color@begingroup
10288 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else\beginL\fi}%
10289 \color@endgroup}%

```



```

10290 \m@mungebox}\m@mmf@prepare}
10291 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10292 \global\setbox\@mpfootinsv@r\vbox{%
10293 \let\bidi@RTL@everypar\@empty%
10294 \def\baselinestretch{\m@m@footnote@spacing}%
10295 \unvbox\@mpfootinsv@r
10296 \reset@font\LTRfoottextfont
10297 \hsize\columnwidth \@parboxrestore
10298 \protected@edef\@currentlabel{%
10299 \csname p@mpfootnote\endcsname\@thefnmark}%
10300 \setbox0=\vbox{\hsize=\maxdimen
10301 \color@begingroup
10302 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10303 \color@endgroup}%
10304 \m@mungebox}\m@mmf@prepare}
10305 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10306 \global\setbox\@mpfootinsv@r\vbox{%
10307 \let\bidi@RTL@everypar\@empty%
10308 \def\baselinestretch{\m@m@footnote@spacing}%
10309 \unvbox\@mpfootinsv@r
10310 \reset@font\RTLfoottextfont
10311 \hsize\columnwidth \@parboxrestore
10312 \protected@edef\@currentlabel{%
10313 \csname p@mpfootnote\endcsname\@thefnmark}%
10314 \setbox0=\vbox{\hsize=\maxdimen
10315 \color@begingroup
10316 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10317 \color@endgroup}%
10318 \m@mungebox}\m@mmf@prepare}
10319 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
10320 \m@make@parafootnotetext{#1}%
10321 \m@make@mpparafootnotetext{#1}%
10322 \m@make@parafootfmt{#1}%
10323 \m@make@para@footgroup{#1}%
10324 \m@make@mppara@footgroup{#1}%
10325 \m@make@para@footstart{#1}%
10326 \bidi@namelongdef{footnotetext#1}##1{%
10327 \@nameuse{@parafootnotetext#1}{##1}}%
10328 \bidi@namelongdef{mpfootnotetext#1}##1{%
10329 \@nameuse{@mpparafootnotetext#1}{##1}}%
10330 \@namedef{footgroup#1}{\@nameuse{@para@footgroup#1}}%
10331 \@namedef{mp@footgroup#1}{\@nameuse{@mppara@footgroup#1}}%
10332 \@namedef{footstart#1}{\@nameuse{@para@footstart#1}}%
10333 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
10334 \expandafter\count\csname footins#1\endcsname=1000\relax
10335 \begingroup
10336 \def\baselinestretch{\m@m@footnote@spacing}%
10337 \@nameuse{foottextfont#1}%
10338 \@tempdima\normalbaselineskip
10339 \multiply \@tempdima \@cclvi

```



```

10340 \@tempdimb \columnwidth
10341 \divide \@tempdimb \@cclvi
10342 \divide \@tempdima \@tempdimb
10343 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10344 \endgroup
10345 }
10346 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
10347 \bidi@namelongdef{\parafootnotetext#1}##1{%
10348 \insert\@nameuse{footins#1}{
10349 \def\baselinestretch{\m@m@footnote@spacing}%
10350 \reset@font\@nameuse{foottextfont#1}%
10351 \@preamfntext
10352 \protected@edef\@currentlabel{%
10353 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10354 \setbox0=\vbox{\hsize=\maxdimen
10355 \color@begingroup
10356 \noindent \@nameuse{@parafootfmt#1}{##1}%
10357 \color@endgroup}%
10358 \m@mungebox}\m@mmf@prepare}}
10359 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
10360 \bidi@namelongdef{\mpparafootnotetext#1}##1{%
10361 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10362 \unvbox\@nameuse{@mpfootins#1}
10363 \def\baselinestretch{\m@m@footnote@spacing}%
10364 \reset@font\@nameuse{foottextfont#1}%
10365 \hsize\columnwidth \@parboxrestore
10366 \protected@edef\@currentlabel{%
10367 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
10368 \setbox0=\vbox{\hsize=\maxdimen
10369 \color@begingroup
10370 \noindent \@nameuse{@parafootfmt#1}{##1}%
10371 \color@endgroup}%
10372 \m@mungebox}\m@mmf@prepare}}
10373 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
10374 \bidi@namelongdef{\parafootfmt#1}##1{%
10375 \parindent=\z@
10376 \parfillskip=0pt \@plus 1fil
10377 {\@nameuse{footfootmark#1}\strut
10378 {\@nameuse{foottextfont#1}##1}\penalty-10}}
10379 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10380 \@namedef{@para@footgroup#1}{%
10381 \unvbox\@nameuse{footins#1}
10382 \m@mmakehboxofhboxes
10383 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10384 \@parboxrestore%
10385 \def\baselinestretch{\m@m@footnote@spacing}%
10386 \@nameuse{foottextfont#1}%
10387 \noindent\unhbox0\par}}
10388 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10389 \@namedef{@mppara@footgroup#1}{%

```



```

10390 \unvbox\@nameuse{@mpfootins#1}
10391 \m@mmakehboxofhboxes
10392 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10393 \def\baselinestretch{\m@m@footnote@spacing}%
10394 \@nameuse{foottextfont#1}%
10395 \noindent\unhbox0\par}}
10396 \bidi@ensure@newcommand{\m@m@make@para@footstart}[1]{%
10397 \@namedef{@para@footstart#1}{%
10398 \vskip\bigskipamount
10399 \leftskip=\z@
10400 \rightskip=\z@
10401 \parindent=\z@
10402 \vskip\skip\@nameuse{footins#1}%
10403 \footnoterule}}
10404 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10405 \xdef\@freelist{\@freelist\@midlist}%
10406 \global\let\@midlist\@empty
10407 \@combinefloats}
10408 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10409 \ifvbox\@kludgeins
10410 \@makespecialcolbox
10411 \else
10412 \setbox\@outputbox \vbox to\@colht{%
10413 \@texttop
10414 \dimen@ \dp\@outputbox
10415 \unvbox \@outputbox
10416 \vskip -\dimen@
10417 \@textbottom}%
10418 \fi}
10419 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
10420 \bidi@ensure@newcommand*{\m@m@mopfootnote}{\setbox\@outputbox \vbox{%
10421 \boxmaxdepth\@maxdepth
10422 \@tempdima\dp\@cclv
10423 \unvbox\@cclv
10424 \vskip-\@tempdima
10425 \bidi@mopfn@bottom
10426 \vskip \skip\footins
10427 \color@begingroup
10428 \normalcolor
10429 \footnoterule
10430 \unvbox \footins
10431 \color@endgroup}}}
10432 \newcommand*{\bidi@mopfootnotebf}{%
10433 \setbox\@outputbox \vbox{%
10434 \boxmaxdepth\@maxdepth
10435 \unvbox\@outputbox
10436 \bidi@mopfn@bottom
10437 \vskip\skip\footins
10438 \color@begingroup
10439 \normalcolor

```




```

10440 \footnoterule
10441 \unvbox \footins
10442 \color@endgroup}}
10443 \gdef\mem@makecol{%
10444 \m@m@makecolintro
10445 \ifvoid\footins
10446 \setbox\@outputbox \box\@cclv
10447 \else
10448 \m@mopfootnote
10449 \fi
10450 \m@mdoextrafeet
10451 \m@m@makecolfloats
10452 \m@m@makecoltext
10453 \global \maxdepth \@maxdepth}
10454 \gdef\bidimakecolbf{%
10455 \m@m@makecolintro
10456 \setbox\@outputbox \box\@cclv
10457 \m@m@makecolfloats
10458 \ifvoid\footins
10459 \else
10460 \bidim@mopfootnotebf
10461 \fi
10462 \m@mdoextrafeet
10463 \m@m@makecoltext
10464 \global \maxdepth \@maxdepth}
10465 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10466 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidimakecolbf}}
10467 \newcommand\FeetAtBottom{\def\bidim@mopfn@bottom{\vfill\relax}}
10468 \newcommand\FeetBelowRagged{\let\bidim@mopfn@bottom\relax}
10469 \FeetAboveFloat
10470 \FeetBelowRagged

```

55 File extreport-xetex-bidi.def

```

10471 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10472 \renewcommand*\l@part[2]{%
10473 \ifnum \c@tocdepth >-2\relax
10474 \addpenalty{-\@highpenalty}%
10475 \addvspace{2.25em \@plus\p}%
10476 \begingroup
10477 \setlength\@tempdima{3em}%
10478 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10479 \parfillskip -\@pnumwidth
10480 {\leavevmode
10481 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10482 \nobreak
10483 \global\@nobreaktrue
10484 \everypar{\global\@nobreakfalse\everypar{}}%
10485 \endgroup
10486 \fi}

```



```

10487 \renewcommand*\l@chapter[2]{%
10488   \ifnum \c@tocdepth >\m@ne
10489     \addpenalty{-\@highpenalty}%
10490     \vskip 1.0em \@plus\p@
10491     \setlength\@tempdima{1.5em}%
10492     \begingroup
10493       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10494       \parfillskip -\@pnumwidth
10495       \leavevmode \bfseries
10496       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
10497       \hskip -\if@RTL\rightskip\else\leftskip\fi
10498       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10499       \penalty\@highpenalty
10500     \endgroup
10501   \fi}
10502 \def\@makechapterhead#1{%
10503   \vspace*{50\p@}%
10504   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10505     \ifnum \c@secnumdepth >\m@ne
10506       \huge\bfseries \@chapapp\space \thechapter
10507       \par\nobreak
10508       \vskip 20\p@
10509     \fi
10510     \interlinepenalty\@M
10511     \Huge \bfseries #1\par\nobreak
10512     \vskip 40\p@
10513   }}
10514 \def\@makeschapterhead#1{%
10515   \vspace*{50\p@}%
10516   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10517     \normalfont
10518     \interlinepenalty\@M
10519     \Huge \bfseries #1\par\nobreak
10520     \vskip 40\p@
10521   }}
10522 \renewcommand\left@footnoterule{%
10523   \kern-3\p@
10524   \hrule\@width.4\columnwidth
10525   \kern2.6\p@}
10526 \renewcommand\right@footnoterule{%
10527   \kern-3\p@
10528   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10529   \kern2.6\p@}
10530 \renewenvironment{thebibliography}[1]
10531   {\chapter*{\bibname
10532     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10533     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10534     \bidi@@thebibliography@font@hook%
10535     \list{\@biblabel{\@arabic\c@enumiv}}%
10536     {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

10537         \leftmargin\labelwidth
10538         \advance\leftmargin\labelsep
10539         \@openbib@code
10540         \usecounter{enumiv}%
10541         \let\p@enumiv\@empty
10542         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10543     \sloppy\clubpenalty4000\widowpenalty4000%
10544     \sfcode`.\@m}
10545     {\def\@noitemerr
10546       {\@latex@warning{Empty `thebibliography' environment}}}%
10547     \endlist}
10548 \if@titlepage
10549 \renewcommand\maketitle{\begin{titlepage}%
10550 \let\footnotesize\small
10551 \let\right@footnoterule\relax
10552 \let\left@footnoterule\relax
10553 \let\textwidth@footnoterule\relax
10554 \let \footnote \thanks
10555 \null\vfil
10556 \vskip 60\p@
10557 \begin{center}%
10558   {\LARGE \@title \par}%
10559   \vskip 3em%
10560   {\large
10561     \lineskip .75em%
10562     \begin{tabular}[t]{c}%
10563       \@author
10564     \end{tabular}\par}%
10565     \vskip 1.5em%
10566     {\large \@date \par}%           % Set date in \large size.
10567 \end{center}\par
10568 \@thanks
10569 \vfil\null
10570 \end{titlepage}%
10571 \setcounter{footnote}{0}%
10572 \global\let\thanks\relax
10573 \global\let\maketitle\relax
10574 \global\let\@thanks\@empty
10575 \global\let\@author\@empty
10576 \global\let\@date\@empty
10577 \global\let\@title\@empty
10578 \global\let\title\relax
10579 \global\let\author\relax
10580 \global\let\date\relax
10581 \global\let\and\relax
10582 }
10583 \else
10584 \renewcommand\maketitle{\par
10585   \begingroup
10586     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%

```



```

10587 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10588 \long\def\@makefntext##1{\parindent 1em\noindent
10589 \hb@xt@1.8em{%
10590 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10591 \if@twocolumn
10592 \ifnum \col@number=\@ne
10593 \@maketitle
10594 \else
10595 \twocolumn[\@maketitle]%
10596 \fi
10597 \else
10598 \newpage
10599 \global\@topnum\z@ % Prevents figures from going at top of page.
10600 \@maketitle
10601 \fi
10602 \thispagestyle{plain}\@thanks
10603 \endgroup
10604 \setcounter{footnote}{0}%
10605 \global\let\thanks\relax
10606 \global\let\maketitle\relax
10607 \global\let\@maketitle\relax
10608 \global\let\@thanks\@empty
10609 \global\let\@author\@empty
10610 \global\let\@date\@empty
10611 \global\let\@title\@empty
10612 \global\let\title\relax
10613 \global\let\author\relax
10614 \global\let\date\relax
10615 \global\let\and\relax
10616 }
10617 \def\@maketitle{%
10618 \newpage
10619 \null
10620 \vskip 2em%
10621 \begin{center}%
10622 \let \footnote \thanks
10623 {\LARGE \@title \par}%
10624 \vskip 1.5em%
10625 {\large
10626 \lineskip .5em%
10627 \begin{tabular}[t]{c}%
10628 \@author
10629 \end{tabular}\par}%
10630 \vskip 1em%
10631 {\large \@date}%
10632 \end{center}%
10633 \par
10634 \vskip 1.5em}
10635 \fi
10636 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}

```



```

10637 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10638 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
10639 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10640 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10641 \renewcommand\theequation{%
10642 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10643 \renewcommand\thefigure{%
10644 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10645 \renewcommand\thetable{%
10646 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

56 File fancybox-xetex-bidi.def

```

10647 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10648 \def\fancy@Oval#1#2#3{%
10649 \boxmaxdepth \maxdimen
10650 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10651 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10652 \@ovxx#1\relax
10653 \advance\@ovxx-\@wholewidth
10654 \@ovyy#2\relax
10655 \advance\@ovyy-\@wholewidth
10656 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10657 \advance\@tempdimb-2\p@
10658 \ifdim\@tempdimb>\the@cornersize\relax
10659 \@tempdimb=\the@cornersize
10660 \fi
10661 \@getcirc\@tempdimb
10662 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10663 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10664 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10665 \@circlefnt
10666 \setbox\@tempboxa\hbox{\beginL%
10667 \if@ovr \@ovvert32\kern -\@tempdima \fi
10668 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10669 \if@ovt \@ovhorz \kern -\@ovxx \fi
10670 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10671 \advance\@ovdx\@ovro
10672 \advance\@ovdy\@ovro
10673 \advance\@ovxx\@wholewidth
10674 \wd\@tempboxa=\@ovxx
10675 \dp\@tempboxa=\z@}

```

57 File fancyhdr-xetex-bidi.def

```

10676 \ProvidesFile{fancyhdr-xetex-bidi.def}[2016/11/30 v0.6 bidi adaptations for fancyhdr package]
10677
10678 \let\fnch@everypar\everypar%
10679
10680 \def\@fancyhead#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset

```



```

10681 \@fancyvbox\headheight{\hbox
10682   {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10683     \parbox[b]{\headwidth}{\centering#3}\hfill
10684     \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10685
10686 \def\@fancyfoot#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10687   \@fancyvbox\footskip{\footrule
10688     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10689       \parbox[t]{\headwidth}{\centering#3}\hfill
10690       \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}}}\#5}
10691

```

58 File fix2col-xetex-bidi.def

```

10692 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package for
10693 \def\RTL@outputdblcol{%
10694   \if@firstcolumn
10695     \global\@firstcolumnfalse
10696     \global\setbox\@leftcolumn\copy\@outputbox
10697     \splitmaxdepth\maxdimen
10698     \vbadness\maxdimen
10699     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10700     \toks@\expandafter{\topmark}%
10701     \xdef\@firstcoltopmark{\the\toks@}%
10702     \toks@\expandafter{\splitfirstmark}%
10703     \xdef\@firstcolfirstmark{\the\toks@}%
10704     \ifx\@firstcolfirstmark\@empty
10705       \global\let\@setmarks\relax
10706     \else
10707       \gdef\@setmarks{%
10708         \let\firstmark\@firstcolfirstmark
10709         \let\topmark\@firstcoltopmark}%
10710     \fi
10711 \else \global\@firstcolumntrue
10712 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10713   \hskip \columnwidth
10714   \hfil \vrule width\columnseprule \hfil
10715   \hbox to\columnwidth {%
10716     \bidi@firstcolumn@status@write%
10717     \box\@leftcolumn \hss}%
10718   \hskip -\textwidth
10719   \hbox to\columnwidth{%
10720     \bidi@lastcolumn@status@write%
10721     \box\@outputbox \hss}%
10722   \hskip \columnsep
10723   \hskip \columnwidth }}%
10724 \@combinedblfloats \@setmarks \@outputpage
10725 \begingroup \@dblfloatplacement \@startdblcolumn
10726 \@whilesw\if@fcolmade \fi
10727 {\@outputpage \@startdblcolumn }\endgroup

```



```

10728 \fi}
10729 \def\LTR@outputdblcol{%
10730   \if@firstcolumn
10731     \global\@firstcolumnfalse
10732     \global\setbox\@leftcolumn\copy\@outputbox
10733     \splitmaxdepth\maxdimen
10734     \vbadness\maxdimen
10735     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10736     \toks@\expandafter{\topmark}%
10737     \xdef\@firstcoltopmark{\the\toks@}%
10738     \toks@\expandafter{\splitfirstmark}%
10739     \xdef\@firstcolfirstmark{\the\toks@}%
10740     \ifx\@firstcolfirstmark\@empty
10741       \global\let\@setmarks\relax
10742     \else
10743       \gdef\@setmarks{%
10744         \let\firstmark\@firstcolfirstmark
10745         \let\topmark\@firstcoltopmark}%
10746     \fi
10747   \else
10748     \global\@firstcolumntrue
10749     \setbox\@outputbox\vbox{%
10750       \hb@xt@\textwidth{%
10751         \hb@xt@\columnwidth{%
10752           \bidi@firstcolumn@status@write%
10753           \box\@leftcolumn \hss}%
10754         \hfil
10755         \vrule \width\columnseprule
10756         \hfil
10757         \hb@xt@\columnwidth{%
10758           \bidi@lastcolumn@status@write%
10759           \box\@outputbox \hss}}}%
10760   \@combinedblfloats
10761   \@setmarks
10762   \@outputpage
10763   \begingroup
10764     \@dblfloatplacement
10765     \@startdblcolumn
10766     \@whilesw\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10767   \endgroup
10768 \fi}

```

59 File fleqn-xetex-bidi.def

```

10769 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX e
10770 \renewcommand\[{ \relax
10771   \ifmmode\@badmath
10772   \else
10773     \begin{trivlist}%
10774     \beginparpenalty\predisplaypenalty

```



```

10775             \endparpenalty\postdisplaypenalty
10776             \item[]\leavevmode
10777             \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10778             \hskip\mathindent\bgroup
10779             \fi}
10780 \renewcommand\]{\relax
10781             \ifmmode
10782                 \egroup $\hfil% $
10783                 \endL\egroup
10784                 \end{trivlist}}%
10785             \else \@badmath
10786             \fi}
10787 \renewenvironment{equation}%
10788     {\@beginparpenalty\predisplaypenalty
10789     \endparpenalty\postdisplaypenalty
10790     \refstepcounter{equation}%
10791     \trivlist \item[]\leavevmode
10792     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10793     \displaystyle
10794     \hskip\mathindent}%
10795     {$\hfil % $
10796     \displaywidth\linewidth\hbox{\@eqnnum}}%
10797     \endL\egroup
10798     \endtrivlist}

```

60 File float-xetex-bidi.def

```

10799 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
10800 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10801 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10802 \else\hbox to\hsize{\ifRTL\beginR\fi\hfil\box\@tempboxa\hfil\ifRTL\endR\fi}\fi}
10803 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
10804 \expandafter\edef\csname the#1\endcsname{%
10805 \expandafter\noexpand\csname
10806 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10807 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

61 File floatrow-xetex-bidi.def

```

10808 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
10809 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10810 \expandafter\edef\csname the\FB@captype\endcsname{%
10811 \expandafter\noexpand\csname
10812 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}

```

62 File flowfram-xetex-bidi.def

```

10813 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package
10814 \def\@outputdblcol{%
10815 \@nxtcol=\c@thisframe

```




```

10816 \c@curpg=\c@page
10817 \g@tnextcol{\@nxtcol}%
10818 \iff@nwpg % next flow frame starts on new page
10819 \global\@firstcolumntrue
10820 \setcolbox\c@thisframe
10821 \if@specialpage
10822 \global\@specialpagefalse
10823 \nameuse{ps@\@specialstyle}\relax
10824 \fi
10825 \if@twoside
10826 \ifodd\count\z@
10827 \let\@thehead\@oddhead
10828 \let\@thefoot\@oddfoot
10829 \else
10830 \let\@thehead\@evenhead
10831 \let\@thefoot\@evenfoot
10832 \fi
10833 \else
10834 \let\@thehead\@oddhead
10835 \let\@thefoot\@oddfoot
10836 \fi
10837 \@begindvi
10838 \@dodynamicthehead\@dodynamicthefoot
10839 \vbadness=\@M
10840 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10841 \combinedblfloats
10842 \@outputpage
10843 \advance\c@curpg by -\c@page\relax
10844 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10845 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
10846 \@outputpage}
10847 \begingroup
10848 \@dblfloatplacement
10849 \@startdblcolumn
10850 \@whilesw \iffcolmade \fi
10851 {\@outputpage \@startdblcolumn }\endgroup
10852 \@resetst@tics
10853 \@resetdyn@mics
10854 \else % still on same page, save contents of box255
10855 \global\@firstcolumnfalse
10856 \setcolbox\c@thisframe
10857 \fi
10858 \global\c@thisframe=\@nxtcol
10859 \setcol{\c@thisframe}\relax
10860 \global\@colht\vsz
10861 }
10862 \def\@outputpage{%
10863 \begingroup
10864 \let\protect\noexpand
10865 \@resetactivechars

```



```

10866 \global\let\@@if@newlist@if@newlist
10867 \global\@newlistfalse\@parboxrestore
10868 \shipout\vbox{\set@typeset@protect
10869   \aftergroup
10870   \endgroup
10871   \aftergroup
10872   \set@typeset@protect
10873   \reset@font\normalsize\normalsfcodes
10874   \let\label\@gobble
10875   \let\index\@gobble
10876   \let\glossary\@gobble
10877   \baselineskip\z@skip
10878   \lineskip\z@skip
10879   \lineskiplimit\z@
10880   \vskip\topmargin\moveright\@themargin
10881   \vbox{%
10882     \vskip\headheight
10883     \vskip\headsep
10884     \box\@outputbox
10885     \ifvoid\@bidi@copyins@
10886     \else
10887       \vskip\skip\@bidi@copyins@
10888       \unvbox\@bidi@copyins@
10889     \fi
10890   }}%
10891 \global\let\if@newlist\@@if@newlist
10892 \stepcounter{page}%
10893 \setcounter{displayedframe}{0}%
10894 \let\firstmark\botmark}
10895
10896
10897 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{ }{%
10898 \expandafter\bidicolor\ff@txtcol}}
10899
10900 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10901 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
10902
10903
10904 \renewcommand*\@docolbox}[1]{%
10905 \edef\ff@frametype{%
10906 \csname @ff@frametype@\romannumeral#1\endcsname}%
10907 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10908 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10909 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10910 \@ff@setoffset{#1}%
10911 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10912 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
10913 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10914 {\csname colheight\romannumeral#1\endcsname}{%
10915 \expandafter\box\csname column\romannumeral#1\endcsname}{%

```



```

10916 \csname\ff@frametype\endcsname}%
10917 }{%
10918 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10919 {\csname colheight\romannumeral#1\endcsname}%
10920 \expandafter\box\csname column\romannumeral#1\endcsname}%
10921 }}}
10922 \@ifclassloaded{book}{%
10923 \renewcommand\theequation
10924 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10925 \renewcommand \thefigure
10926 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10927 \renewcommand \thetable
10928 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10929 \renewcommand \thechapter {\@arabic\c@chapter}
10930 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10931 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10932 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10933 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10934 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10935 \@ifclassloaded{report}{%
10936 \renewcommand\theequation
10937 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10938 \renewcommand \thefigure
10939 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10940 \renewcommand \thetable
10941 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10942 \renewcommand \thechapter {\@arabic\c@chapter}
10943 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10944 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10945 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10946 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10947 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10948 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10949 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
10950 \else
10951 #2\relax
10952 \fi}

```

63 File footnote-xetex-bidi.def

```

10953 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
10954 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10955 \newif\ifbidi@autofooterule
10956 \def\bidi@mpfootnoterule{\footnoterule}
10957 \newcounter{footdir@label}
10958 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
10959 \newcommand*{\footdir@write}{%
10960 \stepcounter{footdir@label}%
10961 \zref@labelbyprops{\thefootdir@label}{abspage}%
10962 }

```



```

10963 \newif\iffootdir@debug
10964 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10965 \newtoks\footdir@toks
10966 \newcommand*{\footdir@debug}[1]{%
10967   \iffootdir@debug
10968     \typeout{\footdir] #1}%
10969   \fi
10970 }
10971 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
10972 %  \newcommand*{\footdir@LeftRightElse}{%
10973 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
10974 %      \footdir@debug{abspage \the\value{zabspage}: else}%
10975 %      \ltx@thirdofthree
10976 %    }{%
10977 %      \if\csname footdir@\the\value{zabspage}\endcsname L%
10978 %        \footdir@debug{abspage \the\value{zabspage}: left}%
10979 %        \expandafter\ltx@firstofthree
10980 %      \else
10981 %        \footdir@debug{abspage \the\value{zabspage}: right}%
10982 %        \expandafter\ltx@secondofthree
10983 %      \fi
10984 %    }%
10985 %  }%
10986 %}{%
10987 \providecommand*{\c@zabspage}{\c@abspage}%
10988 \newcommand*{\footdir@LeftRightElse}{%
10989   \footdir@write
10990   \zifrefundefined{\thefootdir@label}{%
10991     \footdir@debug{abspage ??: else}%
10992     \ltx@thirdofthree
10993   }{%
10994     \edef\footdir@abspage{%
10995       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10996     }%
10997     \ltx@ifundefined{footdir@\footdir@abspage}{%
10998       \footdir@debug{\footdir@abspage: else}%
10999       \ltx@thirdofthree
11000     }{%
11001       \if\csname footdir@\footdir@abspage\endcsname L%
11002         \footdir@debug{\footdir@abspage: left}%
11003         \expandafter\ltx@firstofthree
11004       \else
11005         \footdir@debug{\footdir@abspage: right}%
11006         \expandafter\ltx@secondofthree
11007       \fi
11008     }%
11009   }%
11010 }%
11011 %}
11012 \newcommand*{\footdir@fntext}[1]{%

```



```

11013 \zifrefundefined{\thefootdir@label}{%
11014 }{%
11015 \edef\footdir@name{%
11016   footdir@zref@extractdefault{\thefootdir@label}{abspage}{0}%
11017 }%
11018 \@ifundefined{\footdir@name}{%
11019   \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11020 }{}%
11021 }%
11022 }
11023
11024 \newcommand*{\footdir@temp}[3]{%
11025   \@ifdefinable{#1}{%
11026     \let#1#2%
11027     \renewcommand{#2}[1]{%
11028       \footdir@write
11029       \footdir@fntext{#3}%
11030       \stepcounter{footdir@label}%
11031       \footdir@fntext{#3}%
11032       \footdir@toks{##1}%
11033       \footdir@toks\expandafter{%
11034         \the\expandafter\footdir@toks
11035         \expandafter
11036         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
11037       }%
11038       \expandafter#1\expandafter{\the\footdir@toks}%
11039     }%
11040   }%
11041 }
11042
11043 \def\right@footnoterule{%
11044   \kern-3\p@
11045   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11046   \kern2.6\p@}
11047 \def\left@footnoterule{\kern-3\p@
11048   \hrule \@width .4\columnwidth \kern 2.6\p@}
11049 \def\textwidth@footnoterule{\kern-3\p@
11050   \hrule \@width \columnwidth \kern 2.6\p@}
11051 \def\leftfootnoterule{%
11052   \bidi@autofootnoterulefalse%
11053   \def\footnoterule{\left@footnoterule}}
11054 \let\LRfootnoterule=\leftfootnoterule
11055 \def\rightfootnoterule{%
11056   \bidi@autofootnoterulefalse%
11057   \def\footnoterule{\right@footnoterule}}
11058 \def\textwidthfootnoterule{%
11059   \bidi@autofootnoterulefalse%
11060   \def\footnoterule{\textwidth@footnoterule}}
11061
11062

```



```

11063
11064 \def\auto@footnoterule{%
11065 \footdir@LeftRightElse%
11066 \left@footnoterule%
11067 \right@footnoterule%
11068 \left@footnoterule%
11069 }
11070
11071
11072
11073 \def\autofootnoterule{%
11074 \bidi@autofootnoteruletrue%
11075 \def\footnoterule{\auto@footnoterule}%
11076 }
11077
11078 \newcommand*{\SplitFootnoteRule}{%
11079 \gdef\split@prev{0}
11080 \let\pagefootnoterule\footnoterule
11081 \let\mpfootnoterule\footnoterule
11082 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11083 \def\footnoterule{\relax
11084 \ifx \@listdepth\@mplistdepth
11085 \mpfootnoterule
11086 \else
11087 \ifnum\split@prev=\z@
11088 \pagefootnoterule
11089 \else
11090 \splitfootnoterule
11091 \fi
11092 \xdef\split@prev{\the\insertpenalties}%
11093 \fi
11094 }%
11095 }
11096
11097
11098
11099
11100 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11101 \protected@xdef\@thefnmark{\thempfn}%
11102 \@footnotemark\@RTLfootnotetext}}
11103 \def\@xRTLfootnote[#1]{%
11104 \begingroup
11105 \csname c@\@mpfn\endcsname #1\relax
11106 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11107 \endgroup
11108 \@footnotemark\@RTLfootnotetext}
11109 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11110 \protected@xdef\@thefnmark{\thempfn}%
11111 \@footnotemark\@LTRfootnotetext}}
11112 \def\@xLTRfootnote[#1]{%

```



```

11113 \begingroup
11114 \csname c@\mpfn\endcsname #1\relax
11115 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11116 \endgroup
11117 \@footnotemark\@LTRfootnotetext}
11118
11119
11120 \def\setfootnoteRL{\@RTL@footnotetrue}
11121 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11122 \def\setfootnoteLR{\unsetfootnoteRL}
11123
11124 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
11125 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11126 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11127
11128 \long\def\@footnotetext#1{\insert\footins{%
11129 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11130 \reset@font%
11131 \bidi@footnotetext@font% \reset@font\footnotesize
11132 \interlinepenalty\interfootnotelinepenalty
11133 \splittopskip\footnotesep
11134 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11135 \hsize\columnwidth \@parboxrestore
11136 \protected@edef\@currentlabel{%
11137 \csname p@footnote\endcsname\@thefnmark
11138 }%
11139 \color@begingroup
11140 \makefnfntext{%
11141 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11142 \color@endgroup}}%
11143
11144
11145 \long\def\@RTLfootnotetext#1{\insert\footins{%
11146 \@RTLtrue%
11147 \reset@font%
11148 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11149 \interlinepenalty\interfootnotelinepenalty
11150 \splittopskip\footnotesep
11151 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11152 \hsize\columnwidth \@parboxrestore
11153 \protected@edef\@currentlabel{%
11154 \csname p@footnote\endcsname\@thefnmark
11155 }%
11156 \color@begingroup
11157 \makefnfntext{%
11158 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11159 \color@endgroup}}%
11160
11161 \long\def\@LTRfootnotetext#1{\insert\footins{%
11162 \@RTLfalse%

```



```

11163 \reset@font%
11164 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11165 \interlinepenalty\interfootnotelinepenalty
11166 \splittopskip\footnotesep
11167 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11168 \hsize\columnwidth \@parboxrestore
11169 \protected@edef\@currentlabel{%
11170 \csname p@footnote\endcsname\@thefnmark
11171 }%
11172 \color@begingroup
11173 \makefnctxt{%
11174 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11175 \color@endgroup}}%
11176
11177 \AtBeginDocument{%
11178 \if@RTL@footnote
11179 \newcommand*{\bidi@footdir@footnote}{R}
11180 \else
11181 \newcommand*{\bidi@footdir@footnote}{L}
11182 \fi%
11183 }
11184
11185 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11186 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11187 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11188
11189 \long\def\@mpRTLfootnotetext#1{%
11190 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
11191 \global\setbox\@mpfootins\vbox{\@RTLtrue%
11192 \unvbox\@mpfootins
11193 \reset@font%
11194 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11195 \hsize\columnwidth
11196 \@parboxrestore
11197 \protected@edef\@currentlabel
11198 {\csname p@mpfootnote\endcsname\@thefnmark}%
11199 \color@begingroup
11200 \makefnctxt{%
11201 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11202 \color@endgroup}}
11203 \long\def\@mpLTRfootnotetext#1{%
11204 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
11205 \global\setbox\@mpfootins\vbox{\@RTLfalse%
11206 \unvbox\@mpfootins
11207 \reset@font%
11208 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11209 \hsize\columnwidth
11210 \@parboxrestore
11211 \protected@edef\@currentlabel
11212 {\csname p@mpfootnote\endcsname\@thefnmark}%

```




```

11213 \color@begingroup
11214 \makefnintext{%
11215 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11216 \color@endgroup}}
11217 \long\def\@mpfootnotetext#1{%
11218 \ifbidi\autofooterule\ifnum\c@mpfootnote=\@ne\ifRTL\footnote\global\let\bidi@mpfootnoterule
11219 \global\setbox\@mpfootins\vbox{\ifRTL\footnote\@RTLtrue\else\@RTLfalse\fi%
11220 \unvbox\@mpfootins
11221 \reset@font%
11222 \bidi\@footnotetext@font% \reset@font\footnotesize
11223 \hsize\columnwidth
11224 \@parboxrestore
11225 \protected@edef\@currentlabel
11226 {\csname p@mpfootnote\endcsname\@thefnmark}%
11227 \color@begingroup
11228 \makefnintext{%
11229 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11230 \color@endgroup}}
11231 \def\@iiiminipage#1#2[#3]#4{%
11232 \leavevmode
11233 \@pboxswfalse
11234 \if\hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11235 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11236 \setlength\@tempdima{#4}%
11237 \def\@mpargs{#{1}{#2}[#3]{#4}}%
11238 \setbox\@tempboxa\vbox\bgroup
11239 \color@begingroup
11240 \hsize\@tempdima
11241 \textwidth\hsize \columnwidth\hsize
11242 \@parboxrestore
11243 \def\@mpfn{\mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11244 \let\@footnotetext\@mpfootnotetext
11245 \let\@LTRfootnotetext\@mpLTRfootnotetext
11246 \let\@RTLfootnotetext\@mpRTLfootnotetext
11247 \let\@listdepth\@mplistdepth \@mplistdepth\z@
11248 \@minipagerestore
11249 \@setminipage}
11250 \def\endminipage{%
11251 \par
11252 \unskip
11253 \ifvoid\@mpfootins\else
11254 \vskip\skip\@mpfootins
11255 \normalcolor
11256 \bidi\@mpfootnoterule
11257 \unvbox\@mpfootins
11258 \fi
11259 \@minipagefalse %% added 24 May 89
11260 \color@endgroup
11261 \egroup
11262 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}

```



```

11263 \def\LTRthanks#1{\footnotemark
11264     \protected@xdef\@thanks{\@thanks
11265         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11266 }
11267 \def\LTRfootnotetext{%
11268     \ifnextchar [\@xLTRfootnotenext
11269         {\protected@xdef\@thefnmark{\thempfn}%
11270         \@LTRfootnotetext}}
11271 \def\@xLTRfootnotenext[#1]{%
11272     \begingroup
11273         \csname c@\mpfn\endcsname #1\relax
11274         \unrestored@protected@xdef\@thefnmark{\thempfn}%
11275     \endgroup
11276     \@LTRfootnotetext}
11277 \def\RTLthanks#1{\footnotemark
11278     \protected@xdef\@thanks{\@thanks
11279         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11280 }
11281 \let\@thanks\@empty
11282 \def\RTLfootnotetext{%
11283     \ifnextchar [\@xRTLfootnotenext
11284         {\protected@xdef\@thefnmark{\thempfn}%
11285         \@RTLfootnotetext}}
11286 \def\@xRTLfootnotenext[#1]{%
11287     \begingroup
11288         \csname c@\mpfn\endcsname #1\relax
11289         \unrestored@protected@xdef\@thefnmark{\thempfn}%
11290     \endgroup
11291     \@RTLfootnotetext}
11292 \leftfootnoterule

```

64 File framed-xetex-bidi.def

```

11293 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for X
11294 \renewcommand\TitleBarFrame[3][\begingroup
11295     \ifx\delimiter#1\delimiter
11296         \let\TF@conlab\@empty
11297     \else
11298         \def\TF@conlab{% continuation label
11299             \nointerlineskip
11300             \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
11301     \fi
11302     \let\TF@savecolor\current@color
11303     \textcolor{TF@FrameColor}{%
11304         \CustomFBox
11305             {\TF@Title{#2}}{\TF@conlab}%
11306             \fboxrule\fboxrule\fboxrule\fboxrule
11307             %{\let\current@color\TF@savecolor\set@color #3}%
11308             {\normalcolor #3}%
11309     }\endgroup

```



```

11310 }
11311 \renewenvironment{titled-frame}[1]{%
11312   \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
11313     \TitleBarFrame{\textbf{#1}}}%
11314   \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
11315     \TitleBarFrame[{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$}]{\textbf{#1}}}%
11316   \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
11317     \TitleBarFrame[{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$}]{\textbf{#1\ (cont}
11318   \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
11319     \TitleBarFrame{\textbf{#1\ (cont)}}}%
11320   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11321 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11322 % could interfere with the width measurement.
11323 {\endMakeFramed}
11324 \chardef\FrameRestore=\catcode`\| % for debug
11325 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
11326 \def\fb@put@frame#1#2{\relax
11327   \ifdim\pagegoal=\maxdimen \pagegoal\vsiz \fi
11328 |   \message{===== Entering putframe =====^^J
11329 |     \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
11330   \ifinner
11331     \fb@putboxa#1%
11332     \fb@afterframe
11333   \else
11334     \dimen@=\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11335     \ifdim\dimen@<2\baselineskip % Too little room on page
11336 |     \message{Page has only \the\dimen@\space room left; eject. }%
11337     \eject \fb@adjheight \fb@put@frame#1#2%
11338   \else % there's appreciable room left on the page
11339     \fb@sizeofframe#1%
11340 |     \message{\string\pagetotal=\the\pagetotal,
11341 |       \string\pagegoal=\the\pagegoal,
11342 |       \string\pagestretch=\the\pagestretch,
11343 |       \string\pageshrink=\the\pageshrink,
11344 |       \string\fb@frh=\the\fb@frh. \space}
11345 |     \message{^^JBox of size \the\ht@tempboxa\space}%
11346     \begingroup % temporarily set \dimen@ to be...
11347     \advance\dimen@.8\pageshrink % maximum space available on page
11348     \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11349 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11350     \expandafter\endgroup
11351     % expand \ifdim, then restore \dimen@ to real room left on page
11352     \ifdim\dimen@>\ht@tempboxa % whole box does fit
11353 |     \message{fits in \the\dimen@. }%
11354     % ToDo: Change this to use vsplit anyway to capture the marks
11355     % MERGE THIS WITH THE else CLAUSE!!!
11356     \fb@putboxa#1%
11357     \fb@afterframe
11358   \else % box must be split
11359 |     \message{must be split to fit in \the\dimen@. }%

```



```

11360 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11361 \fb@sizeofframe#2%
11362 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11363 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11364 \kern137sp\kern-137sp\penalty-30
11365 \unvbox\@tempboxa}%
11366 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11367 \splittopskip\the\splittopskip}%
11368 \boxmaxdepth\z@ \splittopskip\z@
11369 | \message{^~JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11370 % Split box here
11371 \setbox\tw@\vsplit\@tempboxa to\dimen@
11372 | \toks99\expandafter{\splitfirstmark}%
11373 | \toks98\expandafter{\splitbotmark}%
11374 | \message{Marks are: \the\toks99, \the\toks98. }%
11375 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11376 | \message{Natural height of split box is \the\ht\tw@, leaving
11377 | \the\ht\@tempboxa\space remainder. }%
11378 % If the split-to size > (\vsize-\topskip), then set box to full size.
11379 \begingroup
11380 \advance\dimen@\topskip
11381 \expandafter\endgroup
11382 \ifdim\dimen@>\pagegoal
11383 | \message{Frame is big -- Use up the full column. }%
11384 \dimen@ii\pagegoal
11385 \advance\dimen@ii -\topskip
11386 \advance\dimen@ii \FrameHeightAdjust\relax
11387 \else % suspect this is implemented incorrectly:
11388 % If the split-to size > feasible room_on_page, rebox it smaller.
11389 \advance\dimen@.8\pageshrink
11390 \ifdim\ht\tw@>\dimen@
11391 | \message{Box too tall; rebox it to \the\dimen@. }%
11392 \dimen@ii\dimen@
11393 \else % use natural size
11394 \dimen@ii\ht\tw@
11395 \fi
11396 \fi
11397 % Re-box contents to desired size \dimen@ii
11398 \advance\dimen@ii -\fb@frh
11399 \setbox\tw@\vbox to\dimen@ii \bgroup
11400 % remove simulated frame and page flexibility:
11401 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11402 \unvbox\tw@ \unpenalty\unpenalty
11403 \ifdim\lastkern=-137sp % whole box went to next page
11404 | \message{box split at beginning! }%
11405 % need work here???
11406 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11407 \fb@adjheight
11408 \fb@put@frame#1#2% INSERTED ???
11409 \else % Got material split off at the head

```



```

11410      \egroup \fb@resto@set
11411      \ifvoid\@tempboxa % it all fit after all
11412 |      \message{box split at end! }%
11413      \setbox\@tempboxa\box\tw@
11414      \fb@putboxa#1%
11415      \fb@afterframe
11416      \else % it really did split
11417 |      \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11418      \ifdim\wd\tw@>\z@
11419      \wd\tw@\wd\@tempboxa
11420      \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11421      \else
11422 |      \message{Zero width means likely blank. Don't frame it (guess)}%
11423      \box\tw@
11424      \fi
11425      \hrule \@height\z@ \@width\hsize
11426      \eject
11427      \fb@adjheight
11428      \fb@put@frame\LastFrameCommand\MidFrameCommand
11429 \fi\fi\fi\fi\fi
11430 }
11431 \def\fb@putboxa#1{%
11432 \ifvoid\@tempboxa
11433 \PackageWarning{framed}{Boxa is void -- discard it. }%
11434 \else
11435 | \message{Frame and place boxa. }%
11436 | %{\showoutput\showbox\@tempboxa}%
11437 \centerline{#1{\hboxL{\box\@tempboxa}}}%
11438 \fi
11439 }
11440 \catcode`\|=\FrameRestore
11441 \def\FrameRestore{%
11442 \let\if@nobreak\iffalse
11443 \let\if@noskipsec\iffalse
11444 \let\-\@dischph
11445 \let'\@acci\let'\@accii\let\=\@acciii
11446 % \message{FrameRestore:
11447 % \totalleftmargin=\the\totalleftmargin,
11448 % \rightmargin=\the\rightmargin,
11449 % \listdepth=\the\listdepth. }%
11450 % Test if we are in a list (or list-like paragraph)
11451 \ifnum \ifdim\totalleftmargin>\z@ 1\fi
11452 \ifdim\rightmargin>\z@ 1\fi
11453 \ifnum\listdepth>\z@ 1\fi 0>\z@
11454 % \message{In a list: \linewidth=\the\linewidth, \totalleftmargin=\the\totalleftmargin,
11455 % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11456 % \labelwidth=\the\labelwidth. }%
11457 \@setminipage % snug fit around the item
11458 % Now try to propagate changes of width from \hsize to list parameters.
11459 % This is deficient, but a more advanced way to indicate modification to text

```



```

11460 % dimensions is not (yet) provided; in particular, no separate left/right
11461 % adjustment.
11462 \advance\linewidth-\columnwidth \advance\linewidth\hsize
11463 \parshape\@ne \@totalleftmargin \linewidth
11464 \else % Not in list
11465 \linewidth=\hsize
11466 %\message{No list, set \string\linewidth=\the\hsize. }%
11467 \fi
11468 \sloppy
11469 }

```

65 File ftnright-xetex-bidi.def

```

11470 \ProvidesFile{ftnright-xetex-bidi.def}[2017/05/06 v0.5 bidi adaptations for ftnright package]
11471
11472 \def\LTR@outputdblcol{%
11473 \if@firstcolumn
11474 \global\@firstcolumnfalse
11475 \global\setbox\@leftcolumn\copy\@outputbox
11476 \global\count\footins\@m
11477 \global\skip\footins\rcol\footinsskip
11478 \splitmaxdepth\maxdimen
11479 \vbadness\maxdimen
11480 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11481 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11482 \toks@{\expandafter{\topmark}}%
11483 \xdef\@firstcoltopmark{\the\toks@}%
11484 \toks@{\expandafter{\splitfirstmark}}%
11485 \xdef\@firstcolfirstmark{\the\toks@}%
11486 \ifx\@firstcolfirstmark\@empty
11487 \global\let\@setmarks\relax
11488 \else
11489 \gdef\@setmarks{%
11490 \let\firstmark\@firstcolfirstmark
11491 \let\topmark\@firstcoltopmark}%
11492 \fi
11493 \else
11494 \preparefootins
11495 \global\@firstcolumntrue
11496 \setbox\@outputbox\vbox{%
11497 \hb@xt@\textwidth{%
11498 \hb@xt@\columnwidth{%
11499 \bidi@firstcolumn@status@write%
11500 \box\@leftcolumn \hss}%
11501 \hfil
11502 {\normalcolor\vrule \@width\columnseprule}%
11503 \hfil
11504 \hb@xt@\columnwidth{%
11505 \bidi@lastcolumn@status@write%
11506 \box\@outputbox \hss}}}%

```



```

11507 \@combinedblfloats
11508   \@setmarks
11509   \@outputpage
11510   \beginingroup
11511     \@dblfloatplacement
11512     \@startdblcolumn
11513     \@whiles\if@fcolmade \fi{\@outputpage
11514       \@startdblcolumn}%
11515   \endgroup
11516 \fi}%
11517
11518
11519
11520 \def\RTL@outputdblcol{%
11521   \if@firstcolumn
11522     \global\@firstcolumnfalse
11523     \global\setbox\@leftcolumn\copy\@outputbox
11524     \global\count\footins\@m
11525     \global\skip\footins\rcol\footinsskip
11526     \splitmaxdepth\maxdimen
11527     \vbadness\maxdimen
11528     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11529     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11530     \toks@{\expandafter{\topmark}}%
11531     \xdef\@firstcoltopmark{\the\toks@}%
11532     \toks@\expandafter{\splitfirstmark}%
11533     \xdef\@firstcolfirstmark{\the\toks@}%
11534     \ifx\@firstcolfirstmark\@empty
11535       \global\let\@setmarks\relax
11536     \else
11537       \gdef\@setmarks{%
11538         \let\firstmark\@firstcolfirstmark
11539         \let\topmark\@firstcoltopmark}%
11540     \fi
11541   \else
11542     \preparefootins
11543     \global\@firstcolumntrue
11544     \setbox\@outputbox\vbox{%
11545       \hb@xt@\textwidth{%
11546         \hskip \columnwidth
11547         \hfil
11548         {\normalcolor\vrule \@width\columnseprule}%
11549         \hfil
11550         \hb@xt@\columnwidth{%
11551           \bidi@firstcolumn@status@write%
11552           \box\@leftcolumn \hss}%
11553         \hskip -\textwidth
11554         \hb@xt@\columnwidth{%
11555           \bidi@lastcolumn@status@write%
11556           \box\@outputbox \hss}%

```



```

11557     \hskip \columnsep
11558     \hskip \columnwidth }}%
11559 \@@combinedblfloats
11560     \@setmarks
11561     \@outputpage
11562     \beginingroup
11563     \@dblfloatplacement
11564     \@startdblcolumn
11565     \@whiles\if@fcolmade \fi{\@outputpage
11566     \@startdblcolumn}%
11567     \endgroup
11568 \fi}%
11569
11570
11571
11572 \let\leftfootnoterule\@empty
11573 \let\rightfootnoterule\@empty
11574 \let\textwidthfootnoterule\@empty
11575 \let\autofootnoterule\@empty
11576 \let\footnoterule\@empty
11577 \long\def\@makefntext#1{\parindent 1em
11578     \noindent\hbox to 2em{}}%
11579     \llap{\@thefnmark\hbox{.}\,.\,}\#1}

```

66 File graphicx-xetex-bidi.def

```

11580 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
11581 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
11582     \Grot@setangle{#1}%
11583     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
11584     \Grot@x\z@
11585     \Grot@y\z@
11586     \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11587 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11588     \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11589     \Grot@x\width \divide\Grot@x\tw@
11590     \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11591     \setkeys{Grot}{#1}%
11592     \setbox\z@\box\@tempboxa
11593     \Grot@setangle{#2}%
11594     \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
11595     \@end@tempboxa}
11596 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11597     \leavevmode
11598     \def\Gscale@x{#1}\def\Gscale@y{#2}%
11599     \setbox\z@\hbox{#3}%
11600     \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11601     \ifdim#2\p<\z@
11602         \ht\tw@-#2\dp\z@
11603         \dp\tw@-#2\ht\z@

```




```

11604 \else
11605   \ht\tw@#2\ht\z@
11606   \dp\tw@#2\dp\z@
11607 \fi
11608 \ifdim#1\p@<\z@
11609   \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11610 \else
11611   \wd\tw@#1\wd\z@
11612   \box\tw@
11613 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11614 \def\Gin@iii[#1,#2][#3,#4]#5{%
11615   \begingroup
11616   \ifmmode\else\if@RTL\beginL\fi\fi
11617   \Gin@bboxtrue
11618   \Gin@defaultbp\Gin@llx{#1}%
11619   \Gin@defaultbp\Gin@lly{#2}%
11620   \Gin@defaultbp\Gin@urx{#3}%
11621   \Gin@defaultbp\Gin@ury{#4}%
11622   \Gininclude@graphics{#5}%
11623   \ifmmode\else\if@RTL\endL\fi\fi
11624   \endgroup}
11625 \def\Gin@ii[#1]#2{%
11626   \def\@tempa{[]}\def\@tempb{#2}%
11627   \ifx\@tempa\@tempb
11628     \def\@tempa{\Gin@iii[#1] []}%
11629     \expandafter\@tempa
11630   \else
11631     \begingroup
11632     \ifmmode\else\if@RTL\beginL\fi\fi
11633     \@tempswafalse
11634     \toks@{\Gininclude@graphics{#2}}%
11635     \setkeys{Gin}{#1}%
11636     \Gin@esetsize
11637     \the\toks@
11638     \ifmmode\else\if@RTL\endL\fi\fi
11639     \endgroup
11640     \fi}
11641 \def\reflectbox{\bidiGscale@box-1[1]}
11642 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11643   \leavevmode
11644   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11645   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11646   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11647   \ifdim#2\p@<\z@
11648     \ht\tw@-#2\dp\z@
11649     \dp\tw@-#2\ht\z@
11650   \else
11651     \ht\tw@#2\ht\z@
11652     \dp\tw@#2\dp\z@
11653   \fi

```



```

11654 \ifdim#1\p<\z@
11655 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11656 \else
11657 \wd\tw@#1\wd\z@
11658 \box\tw@
11659 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11660 \def\scalebox#1{%
11661 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
11662 \def\resizebox{%
11663 \leavevmode
11664 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11665 \def\bidiGscale@@box#1#2#3{%
11666 \let\@tempa\Gin@exclamation
11667 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11668 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11669 \ifx\@tempb\@tempa
11670 \ifx\@tempc\@tempa
11671 \toks@{\mbox}%
11672 \else
11673 \toks@{\bidiGscale@box@dd{#3}#1}%
11674 \fi
11675 \else
11676 \ifx\@tempc\@tempa
11677 \toks@{\bidiGscale@box@dd{#2}\width}%
11678 \else
11679 \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
11680 \fi
11681 \fi
11682 \the\toks@}
11683 \long\def\bidiGscale@box@dd#1#2#3{%
11684 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11685 \setlength\@tempdima{#1}%
11686 \setlength\@tempdimb{#2}%
11687 \Gscale@div\@tempa\@tempdima\@tempdimb
11688 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11689 \@end@tempboxa}
11690 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
11691 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
11692 \setlength\@tempdima{#1}%
11693 \setlength\@tempdimb{#2}%
11694 \Gscale@div\@tempa\@tempdima\@tempdimb
11695 \setlength\@tempdima{#3}%
11696 \setlength\@tempdimb{#4}%
11697 \Gscale@div\@tempb\@tempdima\@tempdimb
11698 \ifGin@iso
11699 \ifdim\@tempa\p>\@tempb\p@
11700 \let\@tempa\@tempb
11701 \else
11702 \let\@tempb\@tempa
11703 \fi

```



```

11704 \fi
11705 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11706 \@end@tempboxa}

```

67 File geometry-xetex-bidi.def

```

11707 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
11708 \renewcommand*{\Gm@vrules@mpi}{%
11709 \if@RTLmain%
11710 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11711 \llap{\Gm@vrule}\ignorespaces
11712 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11713 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11714 \else%
11715 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11716 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11717 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11718 \renewcommand*{\Gm@vrules@mpii}{%
11719 \if@RTLmain%
11720 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11721 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11722 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11723 \else%
11724 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11725 \llap{\Gm@vrule}\ignorespaces
11726 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11727 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11728 \bidi@patchcmd{\Gm@pageframes}{%
11729 \ifodd\count\z@
11730 \let\@themargin\oddsidemargin
11731 \else
11732 \let\@themargin\evensidemargin
11733 \fi
11734 }{%
11735 \ifodd\count\z@
11736 \if@RTLmain
11737 \let\@themargin\evensidemargin
11738 \else
11739 \let\@themargin\oddsidemargin
11740 \fi
11741 \else
11742 \if@RTLmain
11743 \let\@themargin\oddsidemargin
11744 \else
11745 \let\@themargin\evensidemargin
11746 \fi
11747 \fi
11748 }{}{}

```



68 File hvfloat-xetex-bidi.def

```

11749 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11750 \def\do@hvFloat[#1]#2#3{%
11751 \def\hv@shortCap{#1}
11752 \def\hv@longCap{#2}
11753 \def\hv@label{#3}
11754 \newcommand*{\hvFloat}[5][{}]{%
11755 % #1: keyvalues
11756 % #2: type figure | table | ...
11757 % #3: float contents
11758 % #4: short caption
11759 % #5: caption
11760 % #6: label
11761 % \setDefault%
11762 % \def\@tempa{#1}%
11763 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi set options, only when not empty
11764 \def\@tempa{90}%
11765 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11766 \else \setlength{\hvMaxCapWidth}{\linewidth}
11767 \fi
11768 %
11769 % First we save the object in \hvObjectBox
11770 %
11771 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11772 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11773 \else
11774 \savebox{\hvObjectBox}{%
11775 \rotatebox{\hvSet@objectAngle}{%
11776 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11777 \fi
11778 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11779 %
11780 % Now we save the caption with its defined \hvCapWidth
11781 %
11782 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11783 \else
11784 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11785 \else
11786 \setlength{\hvCapWidth}{\hvObjectWidth}
11787 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11788 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11789 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11790 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11791 \else
11792 \setlength{\hvCapWidth}{\hvMaxCapWidth}
11793 \fi
11794 \fi
11795 \fi
11796 %

```



```

11797% now we have the object and the caption with the right
11798% rotated angles saved in boxes
11799%
11800 \def\fps@figure{\hvSet@floatPos}
11801 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11802 \else \begin{\hv@floatType}% Start the floating environment
11803 \fi%
11804 \saveCaptionSkip% we put this space ourselves
11805 \ifx\hvSet@capAngle\hv@Width % need rotation?
11806 \sbox{\hvCaptionBox}{%
11807 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11808 \ifhv@nonFloat%
11809 \ifhv@onlyText#2%
11810 \else%
11811 \ifx\hv@floatType\hv@figure
11812 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11813 \else
11814 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11815 \fi
11816 \fi
11817 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11818 \fi%
11819 \label{#3}%
11820 \end{minipage}%
11821 }%
11822 \else%
11823 \sbox{\hvCaptionBox}{%
11824 \rotatebox{\hvSet@capAngle}{%
11825 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11826 \ifhv@nonFloat%
11827 \ifhv@onlyText#2%
11828 \else%
11829 \ifx\hv@floatType\hv@figure
11830 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11831 \else
11832 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11833 \fi
11834 \fi
11835 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11836 \fi%
11837 \label{#3}%
11838 \end{minipage}%
11839 }%
11840 }%
11841 \fi%
11842 %%
11843 \restoreCaptionSkip% save old values
11844 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
11845 \else%
11846 \ifx\hvSet@objectPos\hv@Center

```



```

11847      \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11848      \fi%
11849      \fi%
11850 %
11851 % to rotate object and caption together, we save all in another box
11852 % the caption comes first, if its on the left or the top
11853 %
11854 \savebox{\@tempboxa}{%
11855 \ifx\hvSet@capPos\hv@Left % caption on left side
11856 \if@RTL%
11857 \ifx\hvSet@capVPos\hv@Center%
11858 \ifhv@fbox
11859 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11860 \else
11861 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11862 \fi%
11863 \hspace{\hvSet@floatCapSep pt}%
11864 \ifhv@fbox
11865 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11866 \else
11867 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11868 \fi%
11869 \else%
11870 \ifx\hvSet@capVPos\hv@Top
11871 \ifhv@fbox
11872 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11873 \else
11874 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11875 \fi%
11876 \hspace{\hvSet@floatCapSep pt}%
11877 \ifhv@fbox
11878 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11879 \else
11880 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11881 \fi
11882 \else
11883 \ifhv@fbox
11884 \fbox{\usebox{\hvObjectBox}}%
11885 \else
11886 \usebox{\hvObjectBox}%
11887 \fi
11888 \hspace{\hvSet@floatCapSep pt}%
11889 \ifhv@fbox
11890 \fbox{\usebox{\hvCaptionBox}}%
11891 \else
11892 \usebox{\hvCaptionBox}%
11893 \fi%
11894 \fi%
11895 \fi%
11896 \else% not RTL

```



```

11897 \ifx\hvSet@capVPos\hv@Center%
11898 \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11899 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11900 \fi%
11901 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11902 \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11903 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11904 \fi%
11905 \else%
11906 \ifx\hvSet@capVPos\hv@Top % caption at top
11907 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11908 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11909 \fi
11910 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11911 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11912 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11913 \fi%
11914 \else% caption on bottom
11915 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11916 \else\usebox{\hvCaptionBox}
11917 \fi%
11918 \hspace{\hvSet@floatCapSep pt}%
11919 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11920 \else \usebox{\hvObjectBox}
11921 \fi%
11922 \fi%
11923 \fi% end of RTL
11924 \fi%
11925 \else
11926 \ifx\hvSet@capPos\hv@Top
11927 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11928 \begin{minipage}{\wd\hvCaptionBox}
11929 \else
11930 \begin{minipage}{\wd\hvObjectBox}
11931 \fi
11932 \centering
11933 \ifhv@fbox
11934 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11935 \fbbox{\usebox{\hvObjectBox}}
11936 \else
11937 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11938 \usebox{\hvObjectBox}
11939 \fi%
11940 \end{minipage}
11941 \else
11942 \ifx\hvSet@capPos\hv@Bottom
11943 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11944 \begin{minipage}{\wd\hvCaptionBox}
11945 \else
11946 \begin{minipage}{\wd\hvObjectBox}

```



```

11947 \fi
11948 \centering
11949 \ifhv@fbox
11950 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11951 \fbox{\usebox{\hvCaptionBox}}
11952 \else
11953 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11954 \usebox{\hvCaptionBox}
11955 \fi%
11956 \end{minipage}
11957 \else% the last option: put the caption on the right
11958 \ifRTL%
11959 \ifx\hvSet@capVPos\hv@Center%
11960 \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11961 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11962 \fi%
11963 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11964 \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11965 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11966 \fi%
11967 \else%
11968 \ifx\hvSet@capVPos\hv@Top % caption at top
11969 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11970 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11971 \fi
11972 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11973 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11974 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11975 \fi%
11976 \else% caption on bottom
11977 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11978 \else\usebox{\hvCaptionBox}
11979 \fi%
11980 \hspace{\hvSet@floatCapSep pt}%
11981 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11982 \else \usebox{\hvObjectBox}
11983 \fi%
11984 \fi%
11985 \fi%
11986 \else% not RTL
11987 \ifx\hvSet@capVPos\hv@Center%
11988 \ifhv@fbox
11989 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11990 \else
11991 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11992 \fi%
11993 \hspace{\hvSet@floatCapSep pt}%
11994 \ifhv@fbox
11995 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11996 \else

```




```

11997 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11998 \fi%
11999 \else%
12000 \ifx\hvSet@capVPos\hv@Top
12001 \ifhv@fbox
12002 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12003 \else
12004 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12005 \fi%
12006 \hspace{\hvSet@floatCapSep pt}%
12007 \ifhv@fbox
12008 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12009 \else
12010 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12011 \fi
12012 \else
12013 \ifhv@fbox
12014 \fbox{\usebox{\hvObjectBox}}%
12015 \else
12016 \usebox{\hvObjectBox}%
12017 \fi
12018 \hspace{\hvSet@floatCapSep pt}%
12019 \ifhv@fbox
12020 \fbox{\usebox{\hvCaptionBox}}%
12021 \else
12022 \usebox{\hvCaptionBox}%
12023 \fi%
12024 \fi%
12025 \fi
12026 \fi% end of RTL
12027 \fi
12028 \fi
12029 \fi
12030 }% End savebox Object and caption
12031 %
12032 % now we rotate the object and caption, if needed
12033 %
12034 \ifx\hvSet@rotAngle\hv@Zero
12035 \usebox{\@tempboxa}
12036 \else
12037 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12038 \fi
12039 \ifhv@nonFloat
12040 \ifx\hvSet@objectPos\hv@Center
12041 \ifhv@nonFloat
12042 \hspace{\filll}
12043 \fi
12044 \fi
12045 \endgroup% End the nonfloat part
12046 \else

```



```

12047 \end{\hv@floatType}% End the floating environment
12048 \fi
12049 }

```

69 File hyperref-xetex-bidi.def

```

12050 \ProvidesFile{hyperref-xetex-bidi.def}[2017/08/09 v1.0 bidi adaptations for hyperref package]
12051 \AtBeginDocument{%
12052 \def\contentsline#1#2#3#4{%
12053   \ifx\#4\%
12054     \csname l@#1\endcsname{#2}{#3}%
12055   \else
12056     \ifcase\Hy@linktoc % none
12057       \csname l@#1\endcsname{#2}{#3}%
12058     \or % section
12059       \csname l@#1\endcsname{%
12060         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12061       }{#3}%
12062     \or % page
12063       \csname l@#1\endcsname{#2}{#3}%
12064       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12065     }%
12066   \else % all
12067     \csname l@#1\endcsname{%
12068       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12069     }{#3}%
12070     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12071   }%
12072 \fi
12073 \fi
12074 }
12075 \ifHy@hyperfootnotes
12076   \let\H@@footnotetext\@footnotetext
12077   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12078   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12079   \def\@xfootnotenext[#1]{%
12080     \begingroup
12081       \csname c@\@mpfn\endcsname #1\relax
12082       \unrestored@protected@xdef\@thefnmark{\thempfn}%
12083     \endgroup
12084     \ifx\@footnotetext\@mpfootnotetext
12085       \expandafter\H@@mpfootnotetext
12086     \else
12087       \expandafter\H@@footnotetext
12088     \fi
12089   }%
12090   \def\@xRTLfootnotenext[#1]{%
12091     \begingroup
12092       \csname c@\@mpfn\endcsname #1\relax
12093       \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

12094 \endgroup
12095 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12096 \expandafter\HRTL@\@mpRTLfootnotetext
12097 \else
12098 \expandafter\HRTL@\@RTLfootnotetext
12099 \fi
12100 }%
12101 \def\@xLTRfootnotenext[#1]{%
12102 \begingroup
12103 \csname c@\@mpfn\endcsname #1\relax
12104 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12105 \endgroup
12106 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12107 \expandafter\HLTR@\@mpLTRfootnotetext
12108 \else
12109 \expandafter\HLTR@\@LTRfootnotetext
12110 \fi
12111 }%
12112 \def\@xfootnotemark[#1]{%
12113 \begingroup
12114 \c@footnote #1\relax
12115 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12116 \endgroup
12117 \H@\@footnotemark
12118 }%
12119 \let\H@\@mpfootnotetext\@mpfootnotetext
12120 \let\HRTL@\@mpRTLfootnotetext\@mpRTLfootnotetext
12121 \let\HLTR@\@mpLTRfootnotetext\@mpLTRfootnotetext
12122 \long\def\@mpfootnotetext#1{%
12123 \H@\@mpfootnotetext{%
12124 \ifHy@nesting
12125 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12126 \else
12127 \Hy@raisedlink{%
12128 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12129 }#1%
12130 \fi
12131 }%
12132 }%
12133 \long\def\@mpRTLfootnotetext#1{%
12134 \HRTL@\@mpRTLfootnotetext{%
12135 \ifHy@nesting
12136 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12137 \else
12138 \Hy@raisedlink{%
12139 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12140 }#1%
12141 \fi
12142 }%
12143 }%

```



```

12144 \long\def\@mpLTrfootnotetext#1{%
12145 \HLTR@mpLTrfootnotetext{%
12146   \ifHy@nesting
12147     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12148   \else
12149     \Hy@raisedlink{%
12150       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12151     }#1%
12152   \fi
12153 }%
12154 }%
12155 \long\def\@footnotetext#1{%
12156 \H@footnotetext{%
12157   \ifHy@nesting
12158     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12159   \else
12160     \Hy@raisedlink{%
12161       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12162     }%
12163     \let\@currentHlabel\Hy@footnote@currentHlabel
12164     \let\@currentHref\Hy@footnote@currentHref
12165     \let\@currentlabelname\@empty
12166     #1%
12167   \fi
12168 }%
12169 }%
12170 \long\def\@RTLfootnotetext#1{%
12171 \HRTL@RTLfootnotetext{%
12172   \ifHy@nesting
12173     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12174   \else
12175     \Hy@raisedlink{%
12176       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12177     }%
12178     \let\@currentHlabel\Hy@footnote@currentHlabel
12179     \let\@currentHref\Hy@footnote@currentHref
12180     \let\@currentlabelname\@empty
12181     #1%
12182   \fi
12183 }%
12184 }%
12185 \long\def\@LTrfootnotetext#1{%
12186 \HLTR@LTrfootnotetext{%
12187   \ifHy@nesting
12188     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12189   \else
12190     \Hy@raisedlink{%
12191       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12192     }%
12193     \let\@currentHlabel\Hy@footnote@currentHlabel

```



```

12194         \let\@currentHref\Hy@footnote@currentHref
12195         \let\@currentlabelname\@empty
12196         #1%
12197     \fi
12198 }%
12199 }%
12200 \@ifpackageloaded{tabularx}{%
12201 \let\HyOrg@TX@endtabularx\TX@endtabularx
12202 \def\Hy@tabularx@hook{%
12203     \let\@footnotetext\H@@footnotetext
12204     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12205     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12206     \let\@footnotemark\H@@footnotemark
12207     \let\@mpfootnotetext\H@@mpfootnotetext
12208     \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
12209     \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
12210 }%
12211 \begingroup
12212 \toks@\expandafter{\TX@endtabularx}%
12213 \xdef\Hy@gtemp{%
12214     \noexpand\Hy@tabularx@hook
12215     \the\toks@
12216 }%
12217 \endgroup
12218 \let\TX@endtabularx\Hy@gtemp
12219 }{}%
12220 \@ifpackageloaded{longtable}{%
12221 \CheckCommand*{\LT@p@LTRfnttext}[1]{%
12222     \edef\@tempa{%
12223         \the\LT@p@ftn
12224         \noexpand\LTRfootnotetext[\the\c@footnote]%
12225     }%
12226     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12227 }%
12228 \long\def\LT@p@LTRfnttext#1{%
12229     \edef\@tempa{%
12230         \the\LT@p@ftn
12231         \begingroup
12232             \noexpand\c@footnote=\the\c@footnote\relax
12233             \noexpand\protected@xdef\noexpand\@thefnmark{%
12234                 \noexpand\thempfn
12235             }%
12236             \noexpand\Hy@LT@LTRfootnotetext{%
12237                 \Hy@footnote@currentHref
12238             }%
12239         }%
12240     \global\LT@p@ftn\expandafter{%
12241         \@tempa{#1}%
12242     \endgroup
12243 }%

```



```

12244 }%
12245 \long\def\Hy@LT@LTRfootnotetext#1#2{%
12246 \HLTR@LTRfootnotetext{%
12247 \ifHy@nesting
12248 \hyper@@anchor{#1}{#2}%
12249 \else
12250 \Hy@raisedlink{%
12251 \hyper@@anchor{#1}{\relax}%
12252 }%
12253 \def\@currentHref{#1}%
12254 \let\@currentlabelname\@empty
12255 #2%
12256 \fi
12257 }%
12258 }%
12259 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12260 \edef\@tempa{%
12261 \the\LT@p@ftn
12262 \noexpand\RTLfootnotetext[\the\c@footnote]%
12263 }%
12264 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12265 }%
12266 \long\def\LT@p@RTLftntext#1{%
12267 \edef\@tempa{%
12268 \the\LT@p@ftn
12269 \begingroup
12270 \noexpand\c@footnote=\the\c@footnote\relax
12271 \noexpand\protected@xdef\noexpand\@thefnmark{%
12272 \noexpand\thempfn
12273 }%
12274 \noexpand\Hy@LT@RTLfootnotetext{%
12275 \Hy@footnote@currentHref
12276 }%
12277 }%
12278 \global\LT@p@ftn\expandafter{%
12279 \@tempa{#1}%
12280 \endgroup
12281 }%
12282 }%
12283 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12284 \HRTL@RTLfootnotetext{%
12285 \ifHy@nesting
12286 \hyper@@anchor{#1}{#2}%
12287 \else
12288 \Hy@raisedlink{%
12289 \hyper@@anchor{#1}{\relax}%
12290 }%
12291 \def\@currentHref{#1}%
12292 \let\@currentlabelname\@empty
12293 #2%

```



```

12294         \fi
12295     }%
12296 }%
12297 }{}%
12298 \@ifpackageloaded{bidipoem}{%
12299 \long\def\bidipoem@p@ftntext#1{%
12300     \edef\@temp#1{%
12301         \the\bidipoem@p@ftn
12302     \begingroup
12303         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12304         \noexpand\protected@xdef\noexpand\@thefnmark{%
12305             \noexpand\thempfn
12306         }%
12307         \noexpand\Hy@bidipoem@footnotetext{%
12308             \Hy@footnote@currentHref
12309         }%
12310     }%
12311     \global\bidipoem@p@ftn\expandafter{%
12312         \@temp#1}%
12313     \endgroup
12314 }%
12315 }%
12316 \long\def\Hy@bidipoem@footnotetext#1#2{%
12317     \H@@footnotetext{%
12318         \ifHy@nesting
12319             \hyper@@anchor{#1}{#2}%
12320         \else
12321             \Hy@raisedlink{%
12322                 \hyper@@anchor{#1}{\relax}%
12323             }%
12324             \def\@currentHref{#1}%
12325             \let\@currentlabelname\@empty
12326             #2%
12327         \fi
12328     }%
12329 }%
12330 \long\def\bidipoem@p@LTRftntext#1{%
12331     \edef\@tempxi{%
12332         \the\bidipoem@p@ftn
12333     \begingroup
12334         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12335         \noexpand\protected@xdef\noexpand\@thefnmark{%
12336             \noexpand\thempfn
12337         }%
12338         \noexpand\Hy@bidipoem@LTRfootnotetext{%
12339             \Hy@footnote@currentHref
12340         }%
12341     }%
12342     \global\bidipoem@p@ftn\expandafter{%
12343         \@tempxi#1}%

```



```

12344     \endgroup
12345   }%
12346 }%
12347 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12348   \HLTR@@LTRfootnotetext{%
12349     \ifHy@nesting
12350       \hyper@@anchor{#1}{#2}%
12351     \else
12352       \Hy@raisedlink{%
12353         \hyper@@anchor{#1}{\relax}%
12354       }%
12355       \def\@currentHref{#1}%
12356       \let\@currentlabelname\@empty
12357       #2%
12358     \fi
12359   }%
12360 }%
12361 \long\def\bidipoem@p@RTLftntext#1{%
12362   \edef\@tempxi{%
12363     \the\bidipoem@p@ftn
12364     \begin{group}
12365       \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12366       \noexpand\protected@xdef\noexpand\@thefnmark{%
12367         \noexpand\thempfn
12368       }%
12369       \noexpand\Hy@bidipoem@RTLfootnotetext{%
12370         \Hy@footnote@currentHref
12371       }%
12372     }%
12373     \global\bidipoem@p@ftn\expandafter{%
12374       \@tempxi{#1}%
12375     }%
12376   }%
12377 }%
12378 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12379   \HRTL@@RTLfootnotetext{%
12380     \ifHy@nesting
12381       \hyper@@anchor{#1}{#2}%
12382     \else
12383       \Hy@raisedlink{%
12384         \hyper@@anchor{#1}{\relax}%
12385       }%
12386       \def\@currentHref{#1}%
12387       \let\@currentlabelname\@empty
12388       #2%
12389     \fi
12390   }%
12391 }%
12392 }{}%
12393 \let\HyOrg@maketitle\maketitle

```




```

12394 \def\maketitle{%
12395   \let\Hy@saved@footnotemark\@footnotemark
12396   \let\Hy@saved@footnotetext\@footnotetext
12397   \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12398   \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12399   \let\@footnotemark\H@@footnotemark
12400   \let\@footnotetext\H@@footnotetext
12401   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12402   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12403   \@ifnextchar[\Hy@maketitle@optarg{% ]
12404     \HyOrg@maketitle
12405     \Hy@maketitle@end
12406   }%
12407 }%
12408 \def\Hy@maketitle@optarg[#1]{%
12409   \HyOrg@maketitle[#{#1}]%
12410   \Hy@maketitle@end
12411 }%
12412 \def\Hy@maketitle@end{%
12413   \ifx\@footnotemark\H@@footnotemark
12414     \let\@footnotemark\Hy@saved@footnotemark
12415     \fi
12416     \ifx\@footnotetext\H@@footnotetext
12417       \let\@footnotetext\Hy@saved@footnotetext
12418       \fi
12419       \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12420         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12421         \fi
12422         \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12423           \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12424           \fi
12425       }%
12426 \def\realfootnote{%
12427   \@ifnextchar[\@xfootnote{%
12428     \stepcounter{\@mpfn}%
12429     \protected@xdef\@thefnmark{\thempfn}%
12430     \H@@footnotemark\H@@footnotetext
12431   }%
12432 }%
12433 \fi
12434 \def\Hy@BeginAnnot#1{%
12435   \ifmmode\else\beginL\fi%
12436   \global\advance\c@Hy@AnnotLevel\@ne
12437   \ifnum\c@Hy@AnnotLevel=\@ne
12438     #1%
12439   \fi
12440 }
12441 \def\Hy@endAnnot{%
12442   \ifnum\c@Hy@AnnotLevel=\@ne
12443     \Hy@endcolorlink

```



```

12444 \pdfmark{eann}%
12445 \fi
12446 \global\advance\c@Hy@AnnotLevel\m@ne
12447 \ifmmode\else\endL\fi%
12448 }
12449 \def\hyper@link#1#2#3{%
12450 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\endR%
12451 }
12452 \def\hyper@linkfile#1#2#3{%
12453 \leavevmode
12454 \Hy@BeginAnnot{%
12455 \def\Hy@pstringF{#2}%
12456 \Hy@CleanupFile\Hy@pstringF
12457 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12458 \Hy@pstringdef\Hy@pstringD{#3}%
12459 \Hy@MakeRemoteAction
12460 \pdfmark{%
12461 bann<<%
12462 /Type/Annot%
12463 /Subtype/Link%
12464 \ifHy@pdfa /F 4\fi
12465 \Hy@setpdfborder
12466 \ifx\@filebordercolor\relax
12467 \else
12468 /C[\@filebordercolor]%
12469 \fi
12470 /A<<%
12471 /S/GoToR%
12472 /F(\Hy@pstringF)%
12473 /D%
12474 \ifx\@#3\%
12475 [\Hy@href@page\@pdfremotestartview]%
12476 \else
12477 (\Hy@pstringD)%
12478 \fi
12479 \Hy@SetNewWindow
12480 \Hy@href@nextactionraw
12481 >>%
12482 >>%
12483 }%
12484 \Hy@colorlink\@filecolor
12485 }%
12486 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12487 \Hy@EndAnnot
12488 }
12489 \def\hyper@launch run:#1\@#2#3{% filename, anchor text linkname
12490 \leavevmode
12491 \Hy@BeginAnnot{%
12492 \Hy@pstringdef\Hy@pstringF{#1}%
12493 \Hy@pstringdef\Hy@pstringP{#3}%

```



```

12494 \pdfmark{%
12495   bann<<%
12496     /Type/Annot%
12497     /Subtype/Link%
12498     \ifHy@pdfa /F 4\fi
12499     \Hy@setpdfborder
12500     \ifx\@runbordercolor\relax
12501     \else
12502       /C[\@runbordercolor]%
12503     \fi
12504   /A<<%
12505     /F(\Hy@pstringF)%
12506     /S/Launch%
12507     \Hy@SetNewWindow
12508     \ifx\#3\%
12509     \else
12510       /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12511     \fi
12512     \Hy@href@nextactionraw
12513   >>%
12514 >>%
12515 }%
12516 \Hy@colorlink\@runcolor
12517 }%
12518 \ifmmode\else\ifRTL\beginR\fi\fi#2\ifmmode\else\ifRTL\endR\fi\fi\Hy@xspace@end
12519 \Hy@EndAnnot
12520 }
12521 \def\hyper@linkurl#1#2{%
12522   \leavevmode
12523   \Hy@BeginAnnot{%
12524     \Hy@pstringdef\Hy@pstringURI{#2}%
12525     \pdfmark{%
12526       bann<<%
12527         /Type/Annot%
12528         /Subtype/Link%
12529         \ifHy@pdfa /F 4\fi
12530         \Hy@setpdfborder
12531         \ifx\@urlbordercolor\relax
12532         \else
12533           /C[\@urlbordercolor]%
12534         \fi
12535       /A<<%
12536         /S/URI%
12537         /URI(\Hy@pstringURI)%
12538         \ifHy@href@ismap
12539         /IsMap true%
12540       \fi
12541       \Hy@href@nextactionraw
12542     >>%
12543     >>%

```



```

12544 }%
12545 \Hy@colorlink\@urlcolor
12546 }%
12547 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12548 \Hy@EndAnnot
12549 }
12550 \def\Acrobatmenu#1#2{%
12551 \Hy@Acrobatmenu{#1}{#2}{%
12552 \Hy@BeginAnnot{%
12553 \EdefEscapeName\Hy@temp@menu{#1}%
12554 \@pdfm@mark{%
12555 bann<<%
12556 /Type/Annot%
12557 /Subtype/Link%
12558 \ifHy@pdfa /F 4\fi
12559 \Hy@setpdfborder
12560 \ifx\@menubordercolor\relax
12561 \else
12562 /C[\@menubordercolor]%
12563 \fi
12564 /A<<%
12565 /S/Named%
12566 /N/\Hy@temp@menu
12567 \Hy@href@nextactionraw
12568 >>%
12569 >>%
12570 }%
12571 \Hy@colorlink\@menucolor
12572 }%
12573 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12574 \Hy@EndAnnot
12575 }%
12576 }
12577 \def\hyper@natlinkstart#1{%
12578 \Hy@backout{#1}%
12579 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12580 \def\hyper@nat@current{#1}%
12581 }
12582 \def\hyper@natlinkend{%
12583 \if@RTL\endR\fi\hyper@linkend
12584 }
12585 \def\hyper@natlinkbreak#1#2{%
12586 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12587 }%
12588 }
12589 \pdfstringdefDisableCommands{%
12590 \let\LRE\@firstofone
12591 \let\LR\@firstofone
12592 \let\RLE\@firstofone
12593 \let\RL\@firstofone

```



```

12594 \def\XeTeX{Xe\TeX}
12595 \def\XeLaTeX{Xe\LaTeX}
12596 }
12597 \ifpackageloaded{longtable}{%
12598   \begingroup
12599     \def\y{\LT@array}%
12600     \@ifundefined{scr@LT@array}{%
12601       \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
12602     }\def\y{\scr@LT@array}%
12603     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12604       \expandafter\endgroup
12605       \expandafter\def\y[##1]##2{%
12606         \H@refstepcounter{#1}%
12607         \hyper@makecurrent{table}%
12608         \let\Hy@LT@currentHref\@currentHref
12609         #2\@sharp####4%
12610       }%
12611     }%
12612     \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
12613     \begingroup
12614       \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12615         \endgroup
12616         \def\LT@start{%
12617           #1%
12618           \ifvoid\LT@foot#2\fi
12619           \let\@currentHref\Hy@LT@currentHref
12620           \Hy@raisedlink{%
12621             \hyper@anchorstart{\@currentHref}\hyper@anchorend
12622           }%
12623           #3%
12624         }%
12625       }%
12626     \expandafter\x\LT@start\@nil
12627 }{}

```

70 File imspdoc-xetex-bidi.def

```

12628 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class for ]
12629 \newenvironment{thebibliography}[1]{%
12630   \@bibtitlestyle
12631   \normalfont\bibliofont\labelsep .5em\relax
12632   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
12633   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12634   \bidi@thebibliography@font@hook
12635   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12636     \leftmargin\labelwidth \advance\leftmargin\labelsep
12637     \usecounter{enumiv}}%
12638   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12639   \sfcode`\.=\@m
12640 }{}

```



```

12641 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12642 \endlist
12643 }
12644
12645 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12646 \columnseprule\z@ \columnsep 35\p@
12647 \@indextitlestyle
12648 \thispagestyle{plain}%
12649 \let\item\@idxitem
12650 \parindent\z@ \parskip\z@\@plus.3\p@\relax
12651 \if@RTL\raggedleft\else\raggedright\fi
12652 \hyphenpenalty\@M
12653 \footnotesize}
12654 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12655 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12656 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12657
12658 \def\right@footnoterule{%
12659 \kern-.4\p@
12660 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12661 \kern11\p@\kern-\footnotesep}
12662 \def\left@footnoterule{\kern-.4\p@
12663 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12664 \def\@makefnmark{%
12665 \leavevmode
12666 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
12667 }
12668
12669 \def\part{\@startsection{part}{0}%
12670 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
12671 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12672 \def\@tocline#1#2#3#4#5#6#7{\relax
12673 \ifnum #1>\c@tocdepth % then omit
12674 \else
12675 \par \addpenalty\@secpenalty\addvspace{#2}%
12676 \begingroup \hyphenpenalty\@M
12677 \@ifempty{#4}{%
12678 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12679 }{%
12680 \@tempdima#4\relax
12681 }%
12682 \parindent\z@ \if@RTL\rightright\else\leftskip\fi#3\relax \advance\if@RTL\rightright\else\leftskip\fi#5\relax
12683 \if@RTL\leftskip\else\rightright\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12684 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12685 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12686 \nobreak
12687 \endgroup
12688 \fi}
12689 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12690 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}

```



```

12691 \renewcommand\theparagraph      {\thesubsubsection\@SepMark\arabic{paragraph}}
12692 \renewcommand\thesubparagraph  {\theparagraph\@SepMark\arabic{subparagraph}}
12693 \def\maketitle{\par
12694   \@topnum\z@ % this prevents figures from falling at the top of page 1
12695   \@setcopyright
12696   \thispagestyle{firstpage}% this sets first page specifications
12697   \uppercase\nonmath\shorttitle
12698   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12699   \else \andify\shortauthors
12700   \fi
12701   \@maketitle@hook
12702   \begingroup
12703   \@maketitle
12704   \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
12705   \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
12706   \edef\@tempa{%
12707     \@nx\markboth{\the\toks4
12708       \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12709   \@tempa
12710   \endgroup
12711   \c@footnote\z@
12712   \@cleartopmattertags
12713 }

```

71 File leqno-xetex-bidi.def

```

12714 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX e
12715 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12716           \rlap{\hskip -\displaywidth
12717           {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```

72 File letter-xetex-bidi.def

```

12718 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
12719 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
12720   \thispagestyle{firstpage}%
12721   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12722   \else % home address
12723     \thispagestyle{empty}%
12724     {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12725       \fromaddress \*[2\parskip]%
12726       \@date \end{tabular}\par}%
12727   \fi
12728   \vspace{2\parskip}%
12729   {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
12730   \vspace{2\parskip}%
12731   #1\par\nobreak}
12732 \renewcommand\leftfootnoterule{%
12733   \kern-\p@
12734   \hrule \@width .4\columnwidth

```



```

12735 \kern .6\p@}
12736 \renewcommand\right@footnoterule{%
12737 \kern-\p@
12738 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12739 \kern .6\p@}

```

73 File lettrine-xetex-bidi.def

```

12740 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package ]
12741 \def\@lettrine[#1]#2#3{%
12742 \setcounter{L@lines}{\theDefaultLines}%
12743 \setcounter{L@depth}{\theDefaultDepth}%
12744 \renewcommand*{\L@hang}{\DefaultLhang}%
12745 \renewcommand*{\L@oversize}{\DefaultLoversize}%
12746 \renewcommand*{\L@raise}{\DefaultLraise}%
12747 \renewcommand*{\L@ante}{}%
12748 \setlength{\L@Findent}{\DefaultFindent}%
12749 \setlength{\L@Nindent}{\DefaultNindent}%
12750 \setlength{\L@slope}{\DefaultSlope}%
12751 \setlength{\L@novskip}{\DiscardVskip}%
12752 \ifLettrineImage\L@image>true\else\L@image>false\fi
12753 \ifLettrineOnGrid\L@grid>true\else\L@grid>false\fi
12754 \if\DefaultOptionsFile\relax
12755 \else
12756 \begingroup
12757 \InputIfFileExists{\DefaultOptionsFile}%
12758 {}%
12759 {\PackageWarning{lettrine.sty}%
12760 {File \DefaultOptionsFile\space not found}}%
12761 }%
12762 \def\color##1##{\l@color{##1}}%
12763 \let\l@color\@gobbletwo
12764 \def\textcolor##1##{\l@textcolor{##1}}%
12765 \def\l@textcolor##1##2##3{##3}%
12766 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12767 \gdef\l@LOKeys{%
12768 \else
12769 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12770 \fi
12771 \endgroup
12772 \def\KV@prefix{KV@L@}%
12773 \let\@tempc\relax
12774 \expandafter\KV@do\l@LOKeys,\relax,
12775 \sbox{\L@lbox}{\LettrineFont #2}%
12776 \setlength{\LettrineWidth}{\wd\L@lbox}%
12777 \def\KV@prefix{KV@L@}%
12778 \let\@tempc\relax
12779 \expandafter\KV@do\l@LOKeys,\relax,
12780 \fi
12781 \setkeys{L}{#1}%

```




```

12782 \ifL@image
12783   \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12784 \else
12785   \sbox{\L@lbox}{\LettrineFont #2}%
12786 \fi
12787 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12788 \@tempdima=\baselineskip
12789 \ifnum\theL@lines=1
12790   \setlength{\L@first}{\ht\L@lbox}%
12791   \addtolength{\L@first}{-\ht\L@tbox}%
12792   \setlength{\L@lraise}{\z@}%
12793 \else
12794   \setlength{\L@first}{-\theL@lines\@tempdima}%
12795   \addtolength{\L@first}{\@tempdima}%
12796   \sbox{\@tempboxa}{\LettrineTextFont x}%
12797   \addtolength{\L@first}{-\ht\@tempboxa}%
12798   \setlength{\L@lraise}{-\L@raise\L@first}%
12799   \addtolength{\L@first}{\L@lraise}%
12800   \addtolength{\L@first}{\ht\L@lbox}%
12801   \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12802   \addtolength{\L@lraise}{\@tempdima}%
12803 \fi
12804 \par
12805 \ifdim\L@first>\L@novskip
12806   \ifL@grid
12807     \@tempdima=\baselineskip
12808     \@tempdimb=\@tempdima
12809     \advance\@tempdimb by \L@novskip
12810     \@tempcnta=1
12811     \loop\ifdim\L@first>\@tempdimb
12812       \advance\@tempcnta by 1
12813       \advance\L@first by -\@tempdima
12814     \repeat
12815     \vskip\@tempcnta\baselineskip
12816   \else
12817     \vskip\L@first
12818   \fi
12819 \fi
12820 \setlength{\L@Pindent}{\wd\L@lbox}%
12821 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12822 \settowidth{\L@first}{\L@ante}%
12823 \addtolength{\L@Pindent}{\L@first}%
12824 \addtolength{\L@Pindent}{\L@Findent}%
12825 \setlength{\L@first}{\linewidth}%
12826 \addtolength{\L@first}{-\L@Pindent}%
12827 \addtolength{\L@Nindent}{\L@Pindent}%
12828 \setlength{\L@next}{\linewidth}%
12829 \addtolength{\L@next}{-\L@Nindent}%
12830 \addtolength{\L@Pindent}{\rightmargin}%
12831 \addtolength{\L@Nindent}{\rightmargin}%

```



```

12832 \setlength{\LettrineWidth}{\wd\L@lbox}%
12833 \setlength{\LettrineHeight}{\ht\L@lbox}%
12834 \setlength{\LettrineDepth}{\dp\L@lbox}%
12835 \addtocounter{L@lines}{1}%
12836 \addtocounter{L@lines}{\the\c@L@depth}%
12837 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@P
12838 \@tempcnta=\tw@
12839 \@whilenum \@tempcnta<\c@L@lines\do{%
12840   \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \tl
12841   \addtolength{\L@Nindent}{\L@slope}%
12842   \addtolength{\L@next}{-\L@slope}%
12843   \advance\@tempcnta\@ne}%
12844 \ifRTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \tl
12845 \noindent
12846 \parshape=\L@parshape\relax
12847 \smash{\llap{\mbox{\L@ante}\raisebox{\L@raise}{\usebox{\L@lbox}}}%
12848   \hskip \the\L@Findent}}%
12849 \usebox{\L@tbox}%
12850 }

```

74 File listings-xetex-bidi.def

```

12851 \ProvidesFile{listings-xetex-bidi.def}[2017/01/14 v1.4 bidi adaptations for listings package]
12852 \lstKey{captiondirection}{texdirection}{%
12853   \lstKV@SwitchCases{#1}%
12854   {texdirection&\\%
12855     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12856     LTR&\chardef\bidi@lst@caption@direction\z@%
12857   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12858
12859 \lstKey{captionscript}{textscript}{%
12860   \lstKV@SwitchCases{#1}%
12861   {textscript&\\%
12862     latin&\chardef\bidi@lst@caption@script\@ne\\%
12863     nonlatin&\chardef\bidi@lst@caption@script\z@%
12864   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12865
12866 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
12867   \ifundefined{bidi@lst@caption@direction}{\}%
12868   \ifnum\bidi@lst@caption@direction=\z@%
12869     #1%
12870   \else%
12871     \ifnum\bidi@lst@caption@direction=\@ne%
12872       #2%
12873     \fi%
12874   \fi%
12875 }}
12876
12877 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
12878   \ifundefined{bidi@lst@caption@script}{\}%

```



```

12879 \ifnum\bidilst@caption@script=\z{%
12880   #1%
12881 \else%
12882   \ifnum\bidilst@caption@script=\@ne%
12883     #2%
12884   \fi%
12885 \fi%
12886 }}
12887
12888 \long\def\@bidilst@makecaption#1#2{%
12889   \bidilst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
12890   \vskip\abovecaptionskip
12891   \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12892   \sbox\@tempboxa{%
12893     \bidilst@ensure@caption@direction{\beginL}{\beginR}%
12894     #1: #2%
12895     \bidilst@ensure@caption@direction{\endL}{\endR}%
12896   }%
12897   \ifdim \wd\@tempboxa >\hsize
12898     #1: #2\par
12899   \else
12900     \global \@minipagefalse
12901     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12902   \fi
12903   \vskip\belowcaptionskip}%
12904 \def\lst@makecaption{\@bidilst@makecaption}
12905 \def\lst@maketitle{\@bidilst@makecaption\lst@title@dropdelim}
12906 \bidilst@AtEndPreamble{%
12907 \bidilst@patchcmd{\lst@MakeCaption}{%
12908   \ifx #1t%
12909     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12910       \expandafter\refstepcounter
12911     \fi {lstlisting}%
12912 }{%
12913   \ifx #1t%
12914     \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12915     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12916       \expandafter\refstepcounter
12917     \fi {lstlisting}%
12918     \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
12919 }{}{}%
12920 \bidilst@patchcmd{\lst@MakeCaption}{%
12921   \addcontentsline{lol}{lstlisting}%
12922   {\protect\numberline{\thelstlisting}\lst@@caption}%
12923 }{}%
12924 \begingroup%
12925   \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12926   \addcontentsline{lol}{lstlisting}%
12927   {\protect\numberline{\thelstlisting}\lst@@caption}%
12928 \endgroup%

```



```

12929 }{}{}%
12930 }
12931 \@ifpackageloaded{caption}{%
12932   \AtBeginCaption{%
12933     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
12934     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12935   }
12936   \let\bidi@lst@makecaption\caption@makecaption%
12937   \def\lst@makecaption{\caption@starfalse\bidi@lst@makecaption}%
12938   \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}%
12939 }{}%
12940 \AtBeginDocument{%
12941   \@ifundefined{captionlabelfalse}{}{}%
12942   \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\@empty}}%
12943   \@ifundefined{caption@startrue}{}{}%
12944   \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}}%
12945 }{}%
12946 }
12947 \AtBeginDocument{
12948   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
12949   \lst@ifnumberbychapter
12950     \gdef\thelstlisting%
12951       {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12952   \else
12953     \gdef\thelstlisting{\@arabic\c@lstlisting}
12954   \fi}

```

75 File loadingorder-xetex-bidi.def

```

12955 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
12956 \bidi@isloaded{amsmath}
12957 \bidi@isloaded{amstext}
12958 \bidi@isloaded{amsthm}
12959 \bidi@isloaded{animate}
12960 \bidi@isloaded{breqn}
12961 \bidi@isloaded{cals}
12962 \bidi@isloaded{caption}
12963 \bidi@isloaded{crop}
12964 \bidi@isloaded{cuted}
12965 \bidi@isloaded{cutwin}
12966 \bidi@isloaded{color}
12967 \bidi@isloaded{dblfnote}
12968 \bidi@isloaded{diagbox}
12969 \bidi@isloaded{xcolor}
12970 \bidi@isloaded{colortbl}
12971 \bidi@isloaded{float}
12972 \bidi@isloaded{floatrow}
12973 \bidi@isloaded{flowfram}
12974 \bidi@isloaded{framed}
12975 \bidi@isloaded{ftnright}

```



```

12976 \bidi@isloaded{xltextra}
12977 \bidi@isloaded{xunicode}
12978 \bidi@isloaded{wrapfig}
12979 \bidi@isloaded{graphicx}
12980 \bidi@isloaded{geometry}
12981 \bidi@isloaded{hvfloat}
12982 \bidi@isloaded{mdframed}
12983 \bidi@isloaded{midfloat}
12984 \bidi@isloaded{ntheorem}
12985 \bidi@isloaded{ntheorem-hyper}
12986 \bidi@isloaded{hyperref}
12987 \bidi@isloaded{fancybox}
12988 \bidi@isloaded{fancyhdr}
12989 \bidi@isloaded{fix2col}
12990 \bidi@isloaded{draftwatermark}
12991 \bidi@isloaded{empheq}
12992 \bidi@isloaded{overpic}
12993 \bidi@isloaded{pdfpages}
12994 \bidi@isloaded{listings}
12995 \bidi@isloaded{lettrine}
12996 \bidi@isloaded{media9}
12997 \bidi@isloaded{pstricks}
12998 \bidi@isloaded{pgf}
12999 \bidi@isloaded{picinpar}
13000 \bidi@isloaded{quotchap}
13001 \bidi@isloaded{tikz}
13002 \bidi@isloaded{titlesec}
13003 \bidi@isloaded{titletoc}
13004 \bidi@isloaded{array}
13005 \bidi@isloaded{soul}
13006 \bidi@isloaded{stabular}
13007 \bidi@isloaded{subfig}
13008 \bidi@isloaded{subfigure}
13009 \bidi@isloaded{supertabular}
13010 \bidi@isloaded{xtab}
13011 \bidi@isloaded{longtable}
13012 \bidi@isloaded{arydshln}
13013 \bidi@isloaded{multicol}
13014 \bidi@isloaded{multienum}
13015 \bidi@isloaded{minitoc}
13016 \bidi@isloaded{natbib}
13017 \bidi@isloaded{newfloat}
13018 \bidi@isloaded{ragged2e}
13019 \bidi@isloaded{rotating}
13020 \bidi@isloaded{tabls}
13021 \bidi@isloaded{tabulary}
13022 \bidi@isloaded{tocbasic}
13023 \bidi@isloaded{tocstyle}
13024 \bidi@isloaded{tocbibind}
13025 \bidi@isloaded{fontspec}

```



```

13026 \bidi@isloaded{arabxetex}
13027 \bidi@isloaded{polyglossia}
13028 \bidi@isloaded{fancyvrb}
13029 \AtBeginDocument{
13030   \if@bidi@amsmathloaded@ \else
13031     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
13032   \fi%
13033   \if@bidi@amstextloaded@ \else
13034     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}{}]
13035   \fi%
13036   \if@bidi@amsthmloaded@ \else
13037     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package}{}]
13038   \fi%
13039   \if@bidi@animateloaded@ \else
13040     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package}{}]
13041   \fi%
13042   \if@bidi@breqnloaded@ \else
13043     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package}{}]
13044   \fi%
13045   \if@bidi@calsloaded@ \else
13046     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package}{}]
13047   \fi%
13048   \if@bidi@captionloaded@ \else
13049     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package}{}]
13050   \fi%
13051   \if@bidi@croplloaded@ \else
13052     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package}{}]
13053   \fi%
13054   \if@bidi@colorloaded@ \else
13055     \ifpackageloaded{hyperref}{}{}
13056     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package}{}]
13057   \fi%
13058   \if@bidi@cutwinloaded@ \else
13059     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package}{}]
13060   \fi%
13061   \if@bidi@cutedloaded@ \else
13062     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package}{}]
13063   \fi%
13064   \if@bidi@dblfnoteloaded@ \else
13065     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package}{}]
13066   \fi%
13067   \if@bidi@diagboxloaded@ \else
13068     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi package}{}]
13069   \fi%
13070   \if@bidi@xcolorloaded@ \else
13071     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package}{}]
13072   \fi%
13073   \if@bidi@colortblloaded@ \else
13074     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package}{}]
13075   \fi%

```



```

13076 \if@bidi@floatloaded@else
13077   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package}{}]
13078 \fi%
13079   \if@bidi@floatrowloaded@else
13080   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package}{}]
13081 \fi%
13082 \if@bidi@flowframloaded@else
13083   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package}{}]
13084 \fi%
13085 \if@bidi@framedloaded@else
13086   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package}{}]
13087 \fi%
13088   \if@bidi@ftnrightloaded@else
13089   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package}{}]
13090 \fi%
13091 \if@bidi@xltxtraloaded@else
13092   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi package}{}]
13093 \fi%
13094 \if@bidi@xunicodeloaded@else
13095   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package}{}]
13096 \fi%
13097 \if@bidi@wrapfigloaded@else
13098   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package}{}]
13099 \fi%
13100 \if@bidi@graphicxloaded@else
13101   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package}{}]
13102 \fi%
13103   \if@bidi@geometryloaded@else
13104   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package}{}]
13105 \fi%
13106 \if@bidi@hvfloatloaded@else
13107   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package}{}]
13108 \fi%
13109   \if@bidi@mdframedloaded@else
13110   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package}{}]
13111 \fi%
13112   \if@bidi@midfloatloaded@else
13113   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package}{}]
13114 \fi%
13115   \if@bidi@ntheoremloaded@else
13116   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package}{}]
13117 \fi%
13118 \if@bidi@hyperrefloaded@else
13119   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package}{}]
13120 \fi%
13121   \if@bidi@fancyboxloaded@else
13122   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package}{}]
13123 \fi%
13124 \if@bidi@fancyhdrloaded@else
13125   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package}{}]

```



```

13126 \fi%
13127 \if@bidi@draftwatermarkloaded@else
13128 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi}{}]
13129 \fi%
13130 \if@bidi@empheqloaded@else
13131 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package}{}]
13132 \fi%
13133 \if@bidi@overpicloaded@else
13134 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi package}{}]
13135 \fi%
13136 \if@bidi@pdfpagesloaded@else
13137 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package}{}]
13138 \fi%
13139 \if@bidi@lettrineloaded@else
13140 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package}{}]
13141 \fi%
13142 \if@bidi@listingsloaded@else
13143 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package}{}]
13144 \fi%
13145 \csname if@bidi@media9loaded@endcsname\else
13146 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package}{}]
13147 \fi%
13148 \if@bidi@pstricksloaded@else
13149 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package}{}]
13150 \fi%
13151 \if@bidi@pgfloaded@else
13152 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package}{}]
13153 \fi%
13154 \if@bidi@picinparloaded@else
13155 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package}{}]
13156 \fi%
13157 \if@bidi@quotchaploaded@else
13158 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package}{}]
13159 \fi%
13160 \if@bidi@tikzloaded@else
13161 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package}{}]
13162 \fi%
13163 \if@bidi@titlesecloaded@else
13164 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package}{}]
13165 \fi%
13166 \if@bidi@titletocloaded@else
13167 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package}{}]
13168 \fi%
13169 \if@bidi@arrayloaded@else
13170 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package}{}]
13171 \fi%
13172 \if@bidi@stabularloaded@else
13173 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package}{}]
13174 \fi%
13175 \if@bidi@soulloaded@else

```




```

13176 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package
13177 \fi%
13178 \if@bidi@subfigloaded@else
13179 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package
13180 \fi%
13181 \if@bidi@subfigureloaded@else
13182 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pack
13183 \fi%
13184 \if@bidi@supertabularloaded@else
13185 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi p
13186 \fi%
13187 \if@bidi@xtabloaded@else
13188 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
13189 \fi%
13190 \if@bidi@longtableloaded@else
13191 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13192 \fi%
13193 \if@bidi@arydshlnloaded@else
13194 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi packa
13195 \fi%
13196 \if@bidi@multicolloaded@else
13197 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13198 \fi%
13199 \if@bidi@multienumloaded@else
13200 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13201 \fi%
13202 \if@bidi@minitocloaded@else
13203 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
13204 \fi%
13205 \if@bidi@natbibloaded@else
13206 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package
13207 \fi%
13208 \if@bidi@newfloatloaded@else
13209 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13210 \fi%
13211 \csname if@bidi@ragged2loaded@endcsname\else
13212 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13213 \fi%
13214 \if@bidi@rotatingloaded@else
13215 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13216 \fi%
13217 \if@bidi@tblsloaded@else
13218 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package
13219 \fi%
13220 \if@bidi@tabularyloaded@else
13221 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13222 \fi%
13223 \if@bidi@tocbasicloaded@else
13224 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13225 \fi%

```



```

13226 \if@bidi@tocstyleloaded@else
13227   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi packa
13228   \fi%
13229 \if@bidi@tocbibindloaded@else
13230   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13231   \fi%
13232 \if@bidi@fontspecloaded@else
13233   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi packa
13234   \fi%
13235 \if@bidi@arabxetexloaded@else
13236   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13237   \fi%
13238 \if@bidi@polyglossialloaded@else
13239   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi p
13240   \fi%
13241 \if@bidi@fancyvrbloaded@else
13242   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi packa
13243   \fi%
13244 }

```

76 File longtable-xetex-bidi.def

```

13245 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package]
13246 \def\LT@array[#1]#2{%
13247   \refstepcounter{table}\stepcounter{LT@tables}%
13248   \if l#1%
13249     \if@RTLtab\LTleft\fill \LTRight\z@\else\LTleft\z@ \LTRight\fill\fi
13250   \else\if r#1%
13251     \if@RTLtab\LTleft\z@ \LTRight\fill\else\LTleft\fill \LTRight\z@\fi
13252   \else\if c#1%
13253     \LTleft\fill \LTRight\fill
13254   \fi\fi\fi
13255   \let\LT@mcol\multicolumn
13256   \let\LT@@tabarray\@tabarray
13257   \let\LT@@hl\hline
13258   \def\@tabarray{%
13259     \let\hline\LT@@hl
13260     \LT@@tabarray}%
13261   \let\\LT@tabularcr\let\tabularnewline\\%
13262   \def\newpage{\noalign{\break}}%
13263   \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13264   \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}%
13265   \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13266   \@tempdima\ht\strutbox
13267   \let\@endpbox\LT@endpbox
13268   \ifx\extrarowheight\@undefined
13269     \let\@acol\@tabacol
13270     \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13271   \def\@startpbox{\vtop\LT@startpbox}%
13272   \let\@startpbox\@startpbox

```



```

13273 \let\@@endpbox\@endpbox
13274 \let\LT@LL@FM@cr\@tabularcr
13275 \else
13276 \advance\@tempdima\extrarowheight
13277 \col@sep\@tabcolsep
13278 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13279 \fi
13280 \setbox\@arstrutbox\hbox{\vrule
13281 \@height \arraystretch \@tempdima
13282 \@depth \arraystretch \dp \strutbox
13283 \@width \z@}%
13284 \let\@sharp##\let\protect\relax
13285 \begingroup
13286 \mkpream{#2}%
13287 \xdef\LT@bchunk{%
13288 \global\advance\c@LT@chunks\@ne
13289 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13290 \LT@setprevdepth
13291 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13292 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13293 \endgroup
13294 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13295 \LT@make@row
13296 \m@th\let\par\@empty
13297 \everycr{}\lineskip\z@\baselineskip\z@
13298 \LT@bchunk}
13299 \def\LT@makecaption#1#2#3{%
13300 \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
13301 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13302 \ifdim\wd\@tempboxa>\hsize
13303 #1{#2: }#3%
13304 \else
13305 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13306 \fi
13307 \endgraf\vskip\baselineskip}%
13308 \hss}}}
13309 \ifpackageloaded{caption}{%
13310 \renewcommand\LT@makecaption[3]{%
13311 \caption@LT@make{%
13312 \caption@settype*\LTcaptype
13313 \ifdim\LTcapwidth=4in \else
13314 \setcaptionwidth\LTcapwidth
13315 \fi
13316 \caption@setoptions{longtable}%
13317 \caption@setoptions{@longtable}%
13318 \caption@LT@setup
13319 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13320 \caption@startrue#1\caption@starfalse
13321 \caption@prepare@stepcounter\LTcaptype\LT}%
13322 \caption@begin\LTcaptype

```



```

13323         \caption@normalsize
13324         \vskip-\ht\strutbox
13325         \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13326         \caption@@make{#2}{#3}\endgraf
13327         \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13328         \caption@end}}%
13329 }{}
13330 \def\LT@startpbox#1{%
13331   \bgroup
13332   \let\@footnotetext\LT@p@ftntext
13333   \let\@LTRfootnotetext\LT@p@LTRftntext
13334   \let\@RTLfootnotetext\LT@p@RTLftntext
13335   \setlength\hsize{#1}%
13336   \@arrayparboxrestore
13337   \vrule \@height \ht\@arstrutbox \@width \z@}
13338 \def\LT@p@LTRftntext#1{%
13339   \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
13340   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13341 \def\LT@p@RTLftntext#1{%
13342   \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13343   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13344
13345
13346 \def\LT@output{%
13347   \ifnum\outputpenalty <-\@Mi
13348     \ifnum\outputpenalty > -\LT@end@pen
13349       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13350     \else
13351       \setbox\z@\vbox{\unvbox\@cclv}%
13352       \ifdim \ht\LT@lastfoot>\ht\LT@foot
13353         \dimen@\pagegoal
13354         \advance\dimen@-\ht\LT@lastfoot
13355         \ifdim\dimen@<\ht\z@
13356           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13357           \@makecol
13358           \@outputpage
13359           \setbox\z@\vbox{\box\LT@head}%
13360           \fi
13361         \fi
13362         \global\@colroom\@colht
13363         \global\vsizel\colht
13364         \vbox
13365         {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13366         \fi
13367       \else
13368         \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13369         \@makecol
13370         \@outputpage
13371         \global\vsizel\colroom
13372         \copy\LT@head\nobreak

```



```
13373 \fi}
```

77 File mathtools-xetex-bidi.def

```
13374 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13375 \MHInternalSyntaxOn
13376 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13377   \@namedef{MT_tagform_#1:n}##1
13378     {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i
13379 }
13380 \renewtagform{default}{\{()\}}
13381 \MHInternalSyntaxOff
```

78 File mdframed-xetex-bidi.def

```
13382 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13383 \newif\if@bidi@mdf@RTL
13384 \def\mdf@lrbox#1{%
13385   \mdf@patchamsthm%patch amsthm
13386   \if@RTL\@bidi@mdf@RTLtrue\fi%
13387   \@RTLfalse%
13388   \setbox#1\vbox\bgroup%
13389   \color@begingroup%
13390   \if@bidi@mdf@RTL\@RTLtrue\fi%
13391   \mdf@horizontalmargin@equation%
13392   \columnwidth=\hsize%
13393   \textwidth=\hsize%
13394   \let\if@nobreak\iffalse%
13395   \let\if@noskipsec\iffalse%
13396   \let\par\@par%
13397   \let\-\@dischyph%
13398   \let'\@acci\let\`\@accii\let\=\@acciii%
13399   \parindent\z@ \parskip\z@skip%
13400   \linewidth\hsize%
13401   \@totalleftmargin\z@%
13402   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13403   \parfillskip\@flushglue \lineskip\normallineskip%
13404   \baselineskip\normalbaselineskip%
13405 %% \sloppy%
13406 \let\\\@normalcr%
13407 \mdf@par@local%New feature to restore parskip/parindent local in save box
13408 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13409 \@afterindentfalse%
13410 %\@afterheading%
13411 }
13412 \renewrobustcmd\mdframedtitleenv[1]{%
13413   \mdf@lrbox{\mdf@frametitlebox}%
13414   \mdf@frametitlealignment%
13415   \leavevmode{\color{\mdf@frametitlefontcolor}%
13416     \normalfont\mdf@frametitlefont{#1}}
```



```

13417 \ifbool{mdf@ignorelastdescenders}%
13418 {%
13419 \par\strut\par
13420 \unskip\unskip\setbox0=\lastbox
13421 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13422 }{}}%
13423 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
13424 \endmdf@lrbox\relax%
13425 \mdf@ignorevbadness%
13426 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13427 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13428 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13429 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13430 \mdfframetitleboxtotalheight=\dimexpr
13431 \ht\mdf@frametitlebox
13432 +\dp\mdf@frametitlebox%
13433 +\mdf@frametitleaboveskip@length
13434 +\mdf@frametitlebelowskip@length
13435 \relax%
13436 }
13437
13438 \renewrobustcmd*\mdf@footnoteoutput{%
13439 \ifvoid\@mpfootins\else%
13440 \nobreak%
13441 \vskip\mdf@footnotedistance@length%
13442 \normalcolor%
13443 \bidi@mpfootnoterule%
13444 \unvbox\@mpfootins%
13445 \fi%
13446 }
13447
13448
13449 \renewrobustcmd*\mdf@footnoteinput{%
13450 \def\@mpfn{mpfootnote}%
13451 \def\thempfn{\thempfootnote}%
13452 \c@mpfootnote\z@%
13453 \let\@footnotetext\@mpfootnotetext%
13454 \let\@LTRfootnotetext\@mpLTRfootnotetext%
13455 \let\@RTLfootnotetext\@mpRTLfootnotetext%
13456 }

```

79 File bidi-media9.sty

```

13457 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13458 {bidi fixes for media9 package for the XeTeX engine}
13459
13460 \keys_define:nn{media9/mbtn}{
13461   draft .code:n = {},
13462   final .code:n = {},
13463

```



```

13464 tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13465 tooltip .value_required:n = {true},
13466
13467 overface .code:n = {
13468   \sbox\l_mix_poster_box{
13469     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13470   \mix_pdfxform:n{\l_mix_poster_box}
13471   \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13472 },
13473 overface .value_required:n = {true},
13474
13475 downface .code:n = {
13476   \sbox\l_mix_poster_box{
13477     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13478   \mix_pdfxform:n{\l_mix_poster_box}
13479   \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13480 },
13481 downface .value_required:n = {true},
13482
13483 3Dgotoview .code:n = {
13484   \tl_set:Nx\l_tmpa_tl{#1} %extract ref
13485   \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl
13486   \tl_trim_spaces:N\l_tmpa_tl
13487   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13488     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13489       \tl_set:Nx\l_tmpb_tl{#1} %extract idx
13490       \regex_replace_once:nnN{([~:~]+):??}{\1}\l_tmpb_tl
13491       \tl_trim_spaces:N\l_tmpb_tl
13492       \tl_if_blank:VF\l_tmpb_tl{
13493         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13494           \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
13495         }{
13496           \regex_match:nVTF{^~d+$}\l_tmpb_tl{
13497             \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
13498           }{
13499             \regex_replace_once:nnN{^~(\s*)}{\1}\l_tmpb_tl
13500             \regex_replace_once:nnN{(\s*)$}{\1}\l_tmpb_tl
13501             \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13502           }
13503         }
13504       }
13505     \mix_pdfobj:nnn{}{dict}{
13506       /S/JavaScript/JS~(
13507         if (typeof (annotRM)=='undefined'){annotRM=new-Array();}
13508         if (typeof (annotRM['\l_tmpa_tl'])=='undefined'){
13509           annotRM['\l_tmpa_tl']=
13510             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13511         }
13512         annotRM['\l_tmpa_tl'].activated=true;
13513       )

```



```

13514         \tl_if_blank:VF\l_tmpb_tl{
13515             /Next~<<
13516             /S/GoTo3DView
13517             /TA~\tl_use:c{ann@\l_tmpa_tl}
13518             /V\l_mix_vidx_tl
13519             >>
13520         }
13521     }
13522     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13523 }
13524 }{
13525     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13526     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13527         \tl_new:N\g_mix_refundefwarned_tl
13528         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13529     }
13530 }
13531 },
13532 3Dgotoview .value_required:n = {true},
13533
13534 mediacommand .code:n = {
13535     \tl_set:Nx\l_tmpa_tl{#1}
13536     \regex_replace_once:nnN{([~:]+)??.*}{\1}\l_tmpa_tl %extract ref
13537     \tl_trim_spaces:N\l_tmpa_tl
13538     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13539         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13540             \tl_set:Nx\l_tmpb_tl{#1}
13541             \regex_replace_once:nnN{([~:]+\?:?)}{\1}\l_tmpb_tl
13542             \tl_trim_spaces:N\l_tmpb_tl
13543             \regex_replace_all:nnN{^{\{|$}}{\1}\l_tmpb_tl
13544             \tl_set:Nx\l_mix_cmd_tl{
13545                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13546             \tl_trim_spaces:N\l_mix_cmd_tl
13547             \tl_set:Nx\l_mix_arg_tl{
13548                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13549             \tl_trim_spaces:N\l_mix_arg_tl
13550             \mix_pdfobj:nnn{}{dict}{
13551                 /S/JavaScript/JS~(
13552                     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13553                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13554                         annotRM['\l_tmpa_tl']=
13555                         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13556                     }
13557                     annotRM['\l_tmpa_tl'].activated=true;
13558                 )
13559             \tl_if_blank:VF\l_mix_cmd_tl{
13560                 /Next~<<
13561                 /S/RichMediaExecute
13562                 /TA~\tl_use:c{ann@\l_tmpa_tl}
13563                 /TI~\tl_use:c{main@\l_tmpa_tl}

```




```

13564         /CMD~<<
13565         /C~(\l_mix_cmd_tl)
13566         \tl_if_blank:VF\l_mix_arg_tl{
13567             /A~[\l_mix_arg_tl]
13568         }
13569         >>
13570     >>
13571     }
13572 }
13573 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13574 }
13575 }{
13576     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13577     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13578         \tl_new:N\g_mix_refundefwarned_tl
13579         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13580     }
13581 }
13582 },
13583 mediacommand .value_required:n = {true},
13584
13585 jsaction .code:n = {
13586     \tl_set:Nx\l_tmpa_tl{#1}
13587     \regex_match:nVTF{^[^\{:\}]+.*$}\l_tmpa_tl{
13588         \regex_replace_once:nnN{([^\{:\}]+):??.*}{\1}\l_tmpa_tl %extract ref
13589         \tl_trim_spaces:N\l_tmpa_tl
13590     }{\tl_clear:N\l_tmpa_tl}
13591     \tl_set:Nx\l_tmpb_tl{#1}
13592     \tl_if_blank:VF\l_tmpa_tl{
13593         \tl_if_exist:cF{ann@\l_tmpa_tl}{
13594             \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13595             \cs_if_exist:NF\g_mix_refundefwarned_tl{
13596                 \tl_new:N\g_mix_refundefwarned_tl
13597                 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13598             }
13599         }
13600         \regex_replace_once:nnN{[^\{:\}]+\:}{\1}\l_tmpb_tl
13601     }
13602     \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13603     \tl_trim_spaces:N\l_tmpb_tl
13604     \tl_if_blank:VF\l_tmpb_tl{
13605         \mix_pdfobj:nnn{}{dict}{
13606             /S/JavaScript/JS~(
13607                 try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
13608         \bool_lazy_and:nnT{
13609             \tl_if_exist_p:c{ann@\l_tmpa_tl}
13610         }{
13611             !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13612         }{
13613             \mix_pdfobj:nnn{}{dict}{

```



```

13614         /S/JavaScript/JS~(
13615             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13616             if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13617                 annotRM['\l_tmpa_tl']=
13618                     this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13619             }
13620             annotRM['\l_tmpa_tl'].activated=true;
13621         )
13622         \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13623     }
13624 }
13625 \bool_if:nT{
13626     \bool_lazy_and_p:nn{
13627         \tl_if_exist_p:c{ann@\l_tmpa_tl}
13628     }{
13629         !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13630     }
13631     || !\tl_if_blank_p:V\l_tmpb_tl
13632 }{
13633     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13634 }
13635 },
13636 jsaction .value_required:n = {true},
13637
13638 unknown .code:n = {
13639     \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
13640 }
13641 }
13642
13643 \RenewDocumentCommand\includemedia{0{}}mm}{%#1 options, #2 text/image #3 media file
13644 \mix_uriend:
13645 \group_begin:
13646 \mix_beginLTR:
13647 \leavevmode
13648 %empty stream as appearance dummy
13649 \cs_if_exist:NF\g_mix_appearance_tl{
13650     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13651     \mix_pdfxform:n{\l_mix_poster_box}
13652     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13653 }
13654 \mix_reset:
13655 \mix_urbegin: %treat URI characters correctly
13656 \keys_set:nn{media9/user}{#1}
13657 \mix_uriend:
13658 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
13659 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
13660 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}={=}
13661 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~}={=}
13662 \tl_gtrim_spaces:N\g_mix_flashvars_tl
13663

```



```

13664 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
13665
13666 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
13667 %\hbox_set:Nn\l_mix_poster_box{#2}
13668 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13669 \mix_scale:n{\l_mix_poster_box}
13670 \bool_if:nT{
13671   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
13672   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
13673 }{
13674   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
13675 }
13676 \bool_if:NTF\g_mix_usrdraft_bool{
13677   \tl_if_empty:NF\g_mix_usrlabel_tl{
13678     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
13679   }
13680   \tl_if_blank:oTF{#2}{
13681     \mix_uribegin: %treat URI characters correctly
13682     \mix_draftbox:n{\tl_to_str:n{#3}}
13683     \mix_uriend:
13684   }{
13685     \hbox_to_wd:nn{\g_mix_wd_tl}{
13686       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
13687       \box_use:N\l_mix_poster_box\hss
13688     }
13689   }
13690 }{
13691   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13692     %attach script that switches off play button overlay upon activation
13693     \mix_pdfobj:nnn{}{stream}{
13694       {}{
13695         var~ocgs=host.getOCGs(host.pageNum);
13696         for(var~i=0;i<ocgs.length;i++){
13697           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13698             ocgs[i].state=false;
13699           }
13700         }
13701       }
13702     }
13703     \mix_pdfobj:nnn{}{dict}{
13704       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13705     }
13706     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13707     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13708     %enforce plain playbutton overlay for XeTeX
13709     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13710   }
13711   %embed main asset
13712   \mix_uribegin:
13713   \mix_embedasset:n{#3}

```



```

13714 \bool_if:nTF{
13715   \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
13716 }{
13717   \bool_gset_true:N\g_mix_iiid_bool
13718   \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
13719 }{
13720   \str_case_x:nnF{\l_mix_base_tl}{
13721     {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13722     {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13723     {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13724     {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13725     {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13726   }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
13727 }
13728 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
13729 \mix_urriend:
13730 %secondary assets (added by addresource)
13731 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13732 \seq_map_inline:Nn\g_mix_script_seq{
13733   \mix_embedasset:n{##1}
13734   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
13735 }
13736 %attach 3D calculation script
13737 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13738   \mix_embedasset:n{3Dmenu.js}
13739   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13740 }
13741 %create 3D views from file (option 3Dviews)
13742 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13743   \tl_set:Nn\l_mix_level_tl{\c_minus_one}
13744   \int_zero:N\l_mix_viewcnt_int
13745   \int_zero:N\l_mix_lineno_int
13746
13747   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13748   \ior_map_inline:Nn\l_mix_vfile_stream{
13749     \int_incr:N\l_mix_lineno_int
13750     \keys_set:nn{media9/views}{##1} %process input line
13751   }
13752   \ior_close:N\l_mix_vfile_stream
13753 }
13754 \bool_if:nT{ %create default 3D view if required
13755   \g_mix_iiid_bool &&
13756   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13757 }{
13758   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13759   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13760   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13761   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13762   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13763   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl

```



```

13764 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13765
13766 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13767 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13768 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13769 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13770
13771 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13772 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13773 \tl_clear:N\l_mix_naarray_tl
13774
13775 \bool_if:NF\l_mix_ciiw_bool{
13776   \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
13777   \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13778 }
13779
13780 \tl_clear:N\l_mix_naarray_tl
13781 \tl_clear:N\l_mix_saarray_tl
13782 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13783
13784 \mix_view:n{Default}
13785 \tl_set:Nx\l_mix_dfltvview_tl{\mix_pdflastobj:}
13786
13787 }
13788 \mix_pdfobj:nnn{}{dict}{
13789   /Type/RichMediaInstance
13790   /Subtype/\g_mix_mainassetsub_tl
13791   /Asset~\g_mix_mainasset_tl
13792   \bool_if:NF\g_mix_iiid_bool{
13793     /Params~<<
13794     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13795       /Foreground
13796     }{
13797       /Background
13798     }
13799     \tl_if_blank:VF\g_mix_flashvars_tl{
13800       /FlashVars~(\g_mix_flashvars_tl)
13801     }
13802     >>
13803   }
13804 }
13805 \tl_if_empty:NF\g_mix_usrlabel_tl{
13806   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13807 }
13808 \mix_pdfobj:nnn{}{dict}{
13809   /Type/RichMediaConfiguration
13810   /Subtype/\g_mix_mainassetsub_tl
13811   /Instances~[\mix_pdflastobj:]
13812 }
13813 \mix_pdfobj:nnn{}{dict}{

```



```

13814 /Type/RichMediaContent
13815 /Assets~<</Names~[\g_mix_assets_tl]>>
13816 /Configurations~[\mix_pdflastobj:]
13817 \bool_if:nT{
13818   \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
13819 }{
13820   /Views~[\l_mix_iiidviewarray_tl]
13821 }
13822 }
13823 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
13824 \bool_if:nT{
13825   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13826 }{
13827   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13828 }
13829 %determine floating window size
13830 \bool_if:NT\g_mix_opt_windowed_bool{
13831   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13832 }
13833 \mix_pdfobj:nnn{}{dict}{
13834   /Activation~<<
13835     /Condition\g_mix_act_tl
13836     \bool_if:nT{
13837       \g_mix_iiid_bool &&
13838       !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13839     }{%seems to work only with 3D content
13840       /Animation~<<
13841         /Subtype/\g_mix_playtpe_tl
13842         /PlayCount~\g_mix_playcnt_tl
13843         /Speed~\g_mix_playspd_tl
13844       >>
13845     }
13846     \bool_if:nT{
13847       \g_mix_iiid_bool && (
13848         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
13849       )
13850     }{/View~\l_mix_dfltview_tl}
13851   /Presentation~<<
13852     /Transparent~\g_mix_transp_tl
13853     \bool_if:NTF\g_mix_opt_windowed_bool{
13854       /Style/Windowed
13855     }/Window~<<
13856       /Width~<</Default~\tl_mix_fltdw>>
13857       /Height~<</Default~\tl_mix_fltht>>
13858     }/Position~<<
13859       /HOffset~0/VOffset~0
13860       \str_case:x:nnF{\g_mix_winpos_tl}{
13861         {tl}{/VAlign/Near/HAlign/Near}
13862         {cl}{/VAlign/Center/HAlign/Near}
13863         {bl}{/VAlign/Far/HAlign/Near}

```



```

13864         {bc}{/VAlign/Far/HAlign/Center}
13865         {br}{/VAlign/Far/HAlign/Far}
13866         {cr}{/VAlign/Center/HAlign/Far}
13867         {tr}{/VAlign/Near/HAlign/Far}
13868         {tc}{/VAlign/Near/HAlign/Center}
13869     }{/HAlign/Center/VAlign/Center}
13870     >>
13871     >>
13872     }{
13873         /Style/Embedded
13874     }
13875     \bool_if:NTF\g_mix_iiid_bool{
13876         /Toolbar~\g_mix_tools_tl
13877         /NavigationPane~\g_mix_nav_tl
13878     }{
13879         /PassContextClick~\g_mix_contextclick_tl
13880     }
13881     >>
13882     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13883     >>
13884     /Deactivation~<</Condition\g_mix_deact_tl>>
13885 }
13886 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
13887 \tl_if_empty:NF\g_mix_usrlabel_tl{
13888     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13889 }
13890 % #1:width, #2:height, #3:depth, #4:content (key-value)
13891 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13892     /Subtype/RichMedia
13893     /F~4
13894     /BS~<</W~0/S/S>>
13895     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13896     /NM~(\g_mix_label_tl)
13897     /AP~<</N~\g_mix_appearance_tl>>
13898     /RichMediaSettings~\l_mix_settings_tl
13899     /RichMediaContent~\l_mix_content_tl
13900 }
13901 \tl_if_empty:NF\g_mix_usrlabel_tl{
13902     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13903     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13904         \noexpand\the\g@mix@page@int}
13905 }
13906 \mix_pdfobj:nnn{}{dict}{
13907     /S/JavaScript/JS~(
13908     try{
13909         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13910         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
13911             annotRM['\g_mix_label_tl']=
13912                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
13913         }

```



```

13914 \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
13915   if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
13916     var~ocgs=this.getOCGs(this.pageNum);
13917     for(var~i=0;i<ocgs.length;i++){
13918       if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13919         var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
13920       }
13921     }
13922   }
13923   if(
13924     !annotRM['\g_mix_label_tl'].activated&&(
13925       app.viewerType=='Reader' ||
13926       app.viewerType=='Exchange' ||
13927       app.viewerType=='Exchange-Pro'
13928     )&&app.viewerVersion>=9
13929   ){
13930     ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
13931   }
13932 }
13933 }catch(e){}
13934 this.dirty=false;
13935 )
13936 }
13937 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
13938   /Subtype/Widget
13939   /FT/Btn/Ff~65537/F~2
13940   /BS~<</W~0>>
13941   /T~(fd@{\g_mix_label_tl}
13942   /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
13943 }
13944 \mix_appendtofields:n{\mix_pdflastann:}
13945 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
13946 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
13947   \hbox_to_wd:nn{\g_mix_wd_tl}{
13948     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
13949   }
13950 }{%insert play button overlay
13951   \mix_insert_btnocg: %create OCG
13952   \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
13953   \group_begin:
13954   \cs_if_exist:NT\textdir{\textdir TLT}
13955   \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13956   \box_move_down:nn{\g_mix_dp_tl}{
13957     \hbox_to_wd:nn{\g_mix_wd_tl}{
13958       \vbox_to_ht:nn{\g_mix_tt_tl}{
13959         \vss
13960         \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
13961         \box_use:N\l_mix_pbtn_box
13962         \ocgbase_oc_emc:
13963       }

```




```

13964     }
13965   }
13966   \group_end:
13967 }
13968 \int_gincr:N\g_mix_rmcnt_int
13969 }
13970 \mix_endLTR:
13971 \group_end:
13972 }
13973 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
13974 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
13975
13976 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
13977   \mix_uribegin:
13978   \group_begin:
13979   \mix_beginLTR:
13980   \leavevmode
13981   %reset various variables
13982   \tl_gclear:N\g_mix_overbtn_tl
13983   \tl_gclear:N\g_mix_downbtn_tl
13984   \tl_gclear:N\g_mix_btnactions_tl
13985   \tl_gclear:N\g_mix_tooltip_tl
13986   %process options
13987   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
13988   \mix_uribegin: %treat URI characters correctly
13989   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
13990   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
13991   \mix_uribegin:
13992   %normal button appearance
13993   \%hbox_set:Nn\l_mix_poster_box{#2}
13994   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13995   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
13996   \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
13997   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
13998   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
13999     \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
14000       \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14001     \mix_pdfxform:n{\l_mix_poster_box}
14002     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14003     %insert widget annotation
14004     \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14005       /Subtype/Widget
14006       /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14007       \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14008       /FT/Btn/Ff~65536
14009       \tl_if_empty:NF\g_mix_downbtn_tl{/H/I}{/H/P}
14010       /AP~<<
14011       /N~\g_mix_normalbtn_tl
14012       \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14013       \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}

```



```

14014 >>
14015 /MK~<<
14016 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14017 /I~\g_mix_normalbtn_tl
14018 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14019 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14020 >>
14021 /A~<<
14022 /S/JavaScript/JS~(app.focusRect=false;)
14023 %sequence of actions to perform
14024 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14025 >>
14026 }
14027 \mix_appendtofields:n{\mix_pdflastann:}
14028 \hbox_to_wd:nn{\width}{
14029 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14030 }
14031 \int_gincr:N\g_mix_mbtncnt_int
14032 }
14033 \mix_endLTR:
14034 \group_end:
14035 }
14036
14037 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14038 \tl_set:Nn\mediabutton{\mix_urbegin:\l_mix_mediabutton_tl}
14039
14040

```

80 File memoir-xetex-bidi.def

```

14041 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for Xe
14042 \renewcommand{\keepthetitle}{%
14043 \@bsmtitleempty
14044 \global\let\thanks\relax
14045 \global\let\LTRthanks\relax
14046 \global\let\RTLthanks\relax
14047 \global\let\and\relax
14048 \global\let\andnext\relax
14049 \global\let\@thanks\@empty
14050 \global\let\@title\@empty
14051 \global\let\@author\@empty
14052 \global\let\@date\@empty}
14053 \renewcommand{\maketitle}{\par
14054 \begingroup
14055 \@bsmarkseries
14056 \def\@makefnmark{\@textsuperscript{%
14057 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
14058 \long\def\@makefntext##1{\makethanksmark ##1}
14059 \if@twocolumn
14060 \ifnum \col@number=\@ne

```



```

14061      \@maketitle
14062      \else
14063        \twocolumn[\@maketitle]%
14064      \fi
14065    \else
14066      \ifdim\pagetotal>\z@
14067        \newpage
14068      \fi
14069      \global\@topnum\z@
14070      \@maketitle
14071    \fi
14072    \thispagestyle{title}\@thanks
14073  \endgroup
14074  \@bscontmark % \setcounter{footnote}{0}%
14075  }
14076  \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
14077  \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
14078  \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
14079  \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
14080  \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14081  \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14082  \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14083  \renewcommand*{\thesubsection}{%
14084    \thesection\@SepMark\@arabic\c@subsection}
14085  \renewcommand*{\thesubsubsection}{%
14086    \thesubsection\@SepMark\@arabic\c@subsubsection}
14087  \renewcommand*{\theparagraph}{%
14088    \thesubsubsection\@SepMark\@arabic\c@paragraph}
14089  \renewcommand*{\thesubparagraph}{%
14090    \theparagraph\@SepMark\@arabic\c@subparagraph}
14091  \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14092  \renewcommand{\theequation}{%
14093    \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14094  \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14095  \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14096  \ifartopt
14097    \chapterstyle{article}
14098    \counterwithout{figure}{chapter}
14099    \counterwithout{table}{chapter}
14100    \counterwithout{footnote}{chapter}
14101    \counterwithout{equation}{chapter}
14102    \renewcommand{\chaptername}{\}
14103    \renewcommand{\maketitlehookb}{%
14104      \vskip -1.5\topsep\vskip -1.5\partopsep}
14105    \renewcommand{\maketitlehookc}{%
14106      \vskip -1.5\topsep\vskip -1.5\partopsep}
14107  \fi
14108  \long\def\@makecaption#1#2{\let\@memtempa\relax
14109    \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14110    \else \def\@memtempa{\vbox to\topskip{}}\fi

```



```

14111 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
14112 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
14113 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14114 \let\footnote\@contfnote
14115 \let\footnotemark\@contfmark
14116 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14117 \if@contcw
14118   \centering
14119   \parbox{\@contcwidth}{%
14120     \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14121   \fi
14122 \ifdim\wd\@tempboxa<\linewidth
14123   \@contpre
14124   {\@contnfont #1\@contdelim}\@memtempa
14125   {\@contcshortstyle \@conttfont #2\@contfinal\par}
14126 \else
14127   \if@conthang
14128     \sbox\@tempboxa{\@contnfont #1\@contdelim}
14129     \@contpre%
14130     {\@contcstyle\hangindent=\wd\@tempboxa
14131       \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14132   \else
14133     \if@contindent
14134       \@contpre%
14135       {\@contnfont #1\@contdelim}\@memtempa
14136       {\@contcstyle\hangindent=\@contindw
14137         \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14138     \else
14139       \@contpre%
14140       {\@contnfont #1\@contdelim}\@memtempa
14141       {\@contcstyle \@conttfont #2\@contfinal\par}
14142     \fi
14143   \fi
14144 \fi
14145 \@contpost
14146 \if@contcw
14147   \par
14148   } % end of the \parbox
14149 \fi
14150 \vskip\belowcaptionskip}
14151 \ifpackageloaded{caption}{%
14152 \AtBeginPackage{caption}{
14153 \ClassWarningNoLine{memoir}{%
14154   You are using the caption package with the memoir \MessageBreak
14155   class. This may cause unexpected or inconsistent \MessageBreak
14156   results if you use any of memoir's captioning facilities}
14157 }
14158 \long\def\@makecaption##1##2{%
14159   \vskip\abovecaptionskip
14160   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%

```



```

14161 \ifdim \wd\@tempboxa >\hsize
14162 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14163 \else
14164 \global \@minipagefalse
14165 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14166 \fi
14167 \vskip\belowcaptionskip}
14168
14169 \def\caption{%
14170 \ifx\@captive\@undefined
14171 \latex@error{\noexpand\caption outside float}\@ehd
14172 \expandafter\@gobble
14173 \else
14174 \refstepcounter\@captive
14175 \expandafter\@firstofone
14176 \fi
14177 {\@dblarg{\@caption\@captive}}}%
14178 }
14179
14180 \long\def\@caption##1[##2]##3{%
14181 \par
14182 \addcontentsline{\csname ext@##1\endcsname}{##1}%
14183 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}}%
14184 \begingroup
14185 \parboxrestore
14186 \if@minipage
14187 \setminipage
14188 \fi
14189 \normalsize
14190 \makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14191 \endgroup}
14192 }}{}
14193 \renewenvironment{thebibliography}[1]{%
14194 \bibsection
14195 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14196 \bidi@thebibliography@font@hook%
14197 \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

81 File midfloat-xetex-bidi.def

```

14198 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14199 \def\RTL@outputdblcol{%
14200 \if@firstcolumn
14201 \global \@firstcolumnfalse
14202 \global\setbox\@leftcolumn\copy\@outputbox
14203 \splitmaxdepth\maxdimen
14204 \vbadness\maxdimen
14205 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14206 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14207 \toks@\expandafter{\topmark}%

```



```

14208 \xdef\@firstcoltopmark{\the\toks@}%
14209 \toks@\expandafter{\splitfirstmark}%
14210 \xdef\@firstcolfirstmark{\the\toks@}%
14211 \ifx\@firstcolfirstmark\@empty
14212   \global\let\@setmarks\relax
14213 \else
14214   \gdef\@setmarks{%
14215     \let\firstmark\@firstcolfirstmark
14216     \let\topmark\@firstcoltopmark}%
14217 \fi
14218 \global\c@colht\@colht\global\c@advipersep\z@
14219 \ifnum\jua@sk>0
14220   \remove@strip\jua@sar
14221   \global\@colht\the\jua@pr
14222   \ifdim\right@cor>\z@
14223     \global\advance\@colht by\right@cor
14224   \fi
14225   \global\advance\@colht by\cor@height
14226   \global\cor@height=0pt
14227 \fi
14228 \global \setbox\@rightcolumn \vbox{%
14229 \else
14230   \ifdim\c@colht>\@colht
14231     \@tempdima\@colht
14232     \ifdim\@colht>\z@
14233       \global\setbox\@rightcolumn \vbox{%
14234         \unvbox\@rightcolumn
14235         \vbox to\@tempdima{%
14236           \vskip\c@advipersep\unvbox\@outputbox}%
14237         \vskip\stripsep
14238         \vrule height\the\jua@ht width 0pt depth 0pt
14239         \vskip\stripsep
14240       }%
14241       \global\c@advipersep\m@advipersep
14242     \else
14243       \global\setbox\@rightcolumn \vbox{%
14244         \unvbox\@rightcolumn
14245         \vrule height\the\jua@ht width 0pt depth 0pt
14246         \vskip\stripsep
14247       }%
14248   \fi
14249   \ifnum\jua@sk>0
14250     \remove@strip\jua@sar
14251     \global\@colht\the\jua@pr
14252     \global\advance\@colht by -\ht\@rightcolumn
14253     \global\advance\@colht by\cor@height
14254     \global\cor@height=0pt
14255   \else
14256     \global\advance\c@colht by-\ht\@rightcolumn
14257     \global\@colht\c@colht

```



```

14258         \fi
14259     \else
14260     \global\@firstcolumntrue
14261     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14262         \unvbox\@rightcolumn
14263         \vskip\c@addvipersep
14264         \unvbox\@outputbox
14265     }%
14266     \setbox\@outputbox \vbox {%
14267         \hb@xt@\textwidth {%
14268             \hskip \columnwidth
14269             \hfil
14270             \vrule \@width\columnseprule
14271             \hfil
14272             \hb@xt@\columnwidth {%
14273                 \bidi@firstcolumn@status@write%
14274                 \box\@leftcolumn \hss}%
14275             \hskip-\textwidth
14276             \hb@xt@\columnwidth {%
14277                 \bidi@lastcolumn@status@write%
14278                 \box\@outputbox \hss}%
14279             \hskip\columnwidth
14280             \hskip\columnsep}%
14281         }%
14282     \@combinedblfloats
14283     \@setmarks
14284     \@outputpage
14285     \begingroup
14286     \@dblfloatplacement
14287     \@startdblcolumn
14288     \@whiles\if@fcolmade \fi
14289     {\@outputpage
14290     \@startdblcolumn}%
14291     \endgroup
14292     \global\jua@sk=0\global\jua@sar={}%
14293     \global\cor@height\z@\global\c@addvipersep\z@
14294     \fi
14295 \fi
14296 }
14297
14298
14299 \def\LTR@outputdblcol{%
14300     \if@firstcolumn
14301     \global \@firstcolumnfalse
14302     \global\setbox\@leftcolumn\copy\@outputbox
14303     \splitmaxdepth\maxdimen
14304     \vbadness\maxdimen
14305     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14306     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14307     \toks@\expandafter{\topmark}%

```



```

14308 \xdef\@firstcoltopmark{\the\toks@}%
14309 \toks@\expandafter{\splitfirstmark}%
14310 \xdef\@firstcolfirstmark{\the\toks@}%
14311 \ifx\@firstcolfirstmark\@empty
14312   \global\let\@setmarks\relax
14313 \else
14314   \gdef\@setmarks{%
14315     \let\firstmark\@firstcolfirstmark
14316     \let\topmark\@firstcoltopmark}%
14317 \fi
14318 \global\c@colht\@colht\global\c@advipersep\z@
14319 \ifnum\jua@sk>0
14320   \remove@strip\jua@sar
14321   \global\@colht\the\jua@pr
14322   \ifdim\right@cor>\z@
14323     \global\advance\@colht by\right@cor
14324   \fi
14325   \global\advance\@colht by\cor@height
14326   \global\cor@height=0pt
14327 \fi
14328 \global \setbox\@rightcolumn \vbox{%
14329 \else
14330   \ifdim\c@colht>\@colht
14331     \@tempdima\@colht
14332     \ifdim\@colht>\z@
14333       \global\setbox\@rightcolumn \vbox{%
14334         \unvbox\@rightcolumn
14335         \vbox to\@tempdima{%
14336           \vskip\c@advipersep\unvbox\@outputbox}%
14337         \vskip\stripsep
14338         \vrule height\the\jua@ht width 0pt depth 0pt
14339         \vskip\stripsep
14340       }%
14341       \global\c@advipersep\m@advipersep
14342     \else
14343       \global\setbox\@rightcolumn \vbox{%
14344         \unvbox\@rightcolumn
14345         \vrule height\the\jua@ht width 0pt depth 0pt
14346         \vskip\stripsep
14347       }%
14348   \fi
14349   \ifnum\jua@sk>0
14350     \remove@strip\jua@sar
14351     \global\@colht\the\jua@pr
14352     \global\advance\@colht by -\ht\@rightcolumn
14353     \global\advance\@colht by\cor@height
14354     \global\cor@height=0pt
14355   \else
14356     \global\advance\c@colht by-\ht\@rightcolumn
14357     \global\@colht\c@colht

```




```

14358         \fi
14359     \else
14360     \global\@firstcolumntrue
14361     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14362         \unvbox\@rightcolumn
14363         \vskip\c@addvipersep
14364         \unvbox\@outputbox
14365     }%
14366     \setbox\@outputbox \vbox {%
14367         \hb@xt@\textwidth {%
14368             \hb@xt@\columnwidth {%
14369                 \bidi@firstcolumn@status@write%
14370                 \box\@leftcolumn \hss}%
14371             \hfil
14372             \vrule \@width\columnseprule
14373             \hfil
14374             \hb@xt@\columnwidth {%
14375                 \bidi@lastcolumn@status@write%
14376                 \box\@outputbox \hss}%
14377             }%
14378         }%
14379     \@combinedblfloats
14380     \@setmarks
14381     \@outputpage
14382     \begingroup
14383     \@dblfloatplacement
14384     \@startdblcolumn
14385     \@whiles\if@fcolmade \fi
14386     {\@outputpage
14387     \@startdblcolumn}%
14388     \endgroup
14389     \global\jua@sk=0\global\jua@sar={}
14390     \global\cor@height\z@\global\c@addvipersep\z@
14391     \fi
14392 \fi
14393 }
14394
14395
14396 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14397 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14398     \hsize\textwidth
14399     \@parboxrestore
14400     \col@number \@ne
14401     \vrule height\topskip width0pt depth0pt
14402 }
14403
14404 \def\endstrip{%
14405     \egroup\egroup
14406     \if@firstcolumn
14407         \ifdim\pagetotal>\z@

```



```

14408         \vskip\stripsep
14409         \global\ht@strip\pagegoal
14410         \global\advance\ht@strip by-\pagetotal
14411         \global\advance\ht@strip by-\stripsep
14412         \global\advance\ht@strip by-\ht@viper
14413         \global\advance\ht@strip by-\stripsep
14414         \global\jua@ht=\ht@viper
14415     \else
14416         \global\ht@strip\z@
14417     \fi
14418     \ifdim\ht@strip>\z@
14419         \unvbox\@viper
14420         \vskip\stripsep
14421         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14422         \global\advance\jua@sk by1
14423     \else
14424         \@latex@error{Strip needs more place!}\@ehc
14425         \if@vihproof
14426             \framebox[\columnwidth]{??? Strip ???}%
14427         \fi
14428     \fi
14429 \else
14430     \@latex@error{Strip is used only on left column!}\@ehc
14431     \if@vihproof
14432         \framebox[\columnwidth]{??? Strip ???}%
14433     \fi
14434 \fi
14435 }

```

82 Fileminitoc-xetex-bidi.def

```

14436 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14437 \def\@undottedtocline#1#2#3#4#5{%
14438     \ifnum #1>\c@tocdepth\relax \else
14439         \vskip \z@ plus.2\p@
14440     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
14441         \parindent #2\relax\@afterindenttrue
14442         \interlinepenalty\@M
14443         \leavevmode
14444         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
14445         \hskip -\if@RTL\righskip\else\leftskip\fi
14446         #4\nobreak\hfill \nobreak
14447         \null\par}%
14448     \fi}
14449 \def\@Undottedtocline#1#2#3#4#5{%
14450     \ifnum #1>\c@tocdepth\relax \else
14451         \vskip \z@ \@plus.2\p@
14452     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
14453         \parindent #2\relax\@afterindenttrue
14454         \interlinepenalty\@M

```



```

14455 \leavevmode
14456 \@tempdima #3\relax
14457 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
14458 {\coffefont #4}\nobreak \nobreak\null
14459 \par}%
14460 \fi}
14461 \def\@Undottedtoclinep#1#2#3#4#5{%
14462 \ifnum #1>\c@tocdepth\relax \else
14463 \vskip \z@ \@plus.2\p@
14464 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin\relax
14465 \parindent #2\relax\@afterindenttrue
14466 \interlinepenalty\@M
14467 \leavevmode
14468 \@tempdima #3\relax
14469 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
14470 {#4}\nobreak \hfill \nobreak\null
14471 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
14472 \par}%
14473 \fi}

```

83 File multicol-xetex-bidi.def

```

14474 \ProvidesFile{multicol-xetex-bidi.def}[2016/11/27 v0.8 bidi adaptations for multicol package]
14475 \def\page@sofar{%
14476 \process@cols\mult@rightbox
14477 {\ifvoid\count@
14478 \setbox\count@\hbox to\hsize{}}%
14479 \else
14480 \wd\count@\hsize
14481 \fi}%
14482 \count@\col@number \advance\count@\m@ne
14483 \mult@info\z@
14484 {Column spec: \the\full@width\space = indent
14485 + columns + sep =\MessageBreak
14486 \the\multicol@leftmargin\space
14487 + \the\col@number\space
14488 x \the\hsize\space
14489 + \the\count@\space
14490 x \the\columnsep
14491 }%
14492 \ifvmode\else\errmessage{Multicol Error}\fi
14493 \nointerlineskip
14494 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
14495 \moveright\multicol@leftmargin
14496 \hbox to\full@width{%
14497 \bidi@multicol@align@columns
14498 \rlap{\phantom p}}%
14499 }%
14500 \prevdepth\z@
14501 \kern-\dimen\tw@

```



```

14502 \ifdim\dimen\tw@ > \mc@gridwarn
14503   \PackageWarning{multicol}%
14504     {Very deep columns!\MessageBreak
14505       Grid alignment might be broken}%
14506 \fi
14507 }
14508 \def\LTR@column@boxes{%
14509   \process@cols\mult@gfirstbox{%
14510     \ifdim\dp\count@>\dimen\tw@
14511       \global\dimen\tw@\dp\count@ \fi
14512     \mc@col@status@write
14513     \box\count@
14514     \hss{\columnseprulecolor\vrule
14515         \@width\columnseprule}\hss}%
14516   \ifdim\dp\mult@rightbox>\dimen\tw@
14517     \global\dimen\tw@\dp\mult@rightbox \fi
14518   \mc@lastcol@status@write
14519   \box\mult@rightbox
14520 }
14521
14522 \def\RTL@column@boxes{%
14523   \ifnum\col@number<\tw@
14524     \LTR@column@boxes
14525   \else
14526     \process@cols\mult@gfirstbox{%
14527       \hskip\hsize
14528       \hss{\columnseprulecolor\vrule
14529         \@width\columnseprule}\hss
14530     }%
14531     \hskip\hsize
14532     \process@cols\mult@gfirstbox{%
14533       \ifdim\dp\count@>\dimen\tw@
14534         \global\dimen\tw@\dp\count@ \fi
14535       \hskip-\hsize
14536       \mc@col@status@write
14537       \box\count@
14538       \hskip-\hsize
14539       \hskip-\columnsep
14540     }%
14541     \ifdim\dp\mult@rightbox>\dimen\tw@
14542       \global\dimen\tw@\dp\mult@rightbox \fi
14543     \hskip-\hsize
14544     \mc@lastcol@status@write
14545     \box\mult@rightbox
14546     \hskip-\hsize
14547     \hskip\full@width
14548   \fi
14549 }
14550 \newcommand\RTLmulticolcolumns
14551   {\let\bidimulticol@align@columns

```



```

14552         \RTL@column@boxes}
14553 \newcommand\LTRmulticolcolumns
14554     {\let\ bidi@multicol@align@columns
14555         \LTR@column@boxes}
14556 \newcommand\ bidi@multicol@align@columns
14557     {\if RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14558 \def\multicols#1{\col@number#1\relax
14559     \ifnum\col@number<\tw@
14560         \PackageWarning{multicol}%
14561         {Using ` \number\col@number'
14562         columns doesn't seem a good idea.^~J
14563         I therefore use two columns instead}%
14564         \col@number\tw@ \fi
14565     \ifnum\col@number>10
14566         \PackageError{multicol}%
14567         {Too many columns}%
14568         {Current implementation doesn't
14569         support more than 10 columns.%
14570         \MessageBreak
14571         I therefore use 10 columns instead}%
14572         \col@number10 \fi
14573     \ifx \@footnotetext\mult@footnotetext\else
14574         \let\orig@footnotetext\@footnotetext
14575         \let\@footnotetext\mult@footnotetext
14576     \fi
14577     \ifx \@LTRfootnotetext\mult@LTRfootnotetext\else
14578         \let\orig@LTRfootnotetext\@LTRfootnotetext
14579         \let\@LTRfootnotetext\mult@LTRfootnotetext
14580     \fi
14581     \ifx \@RTLfootnotetext\mult@RTLfootnotetext\else
14582         \let\orig@RTLfootnotetext\@RTLfootnotetext
14583         \let\@RTLfootnotetext\mult@RTLfootnotetext
14584     \fi
14585     \@ifnextchar[\mult@cols{\mult@cols[]}]
14586 \long\def\mult@footnotetext#1{\begingroup
14587     \hsize\textwidth
14588     \columnwidth\textwidth
14589     \orig@footnotetext{#1}\endgroup}
14590 \long\def\mult@LTRfootnotetext#1{\begingroup
14591     \hsize\textwidth
14592     \columnwidth\textwidth
14593     \orig@LTRfootnotetext{#1}\endgroup}
14594 \long\def\mult@RTLfootnotetext#1{\begingroup
14595     \hsize\textwidth
14596     \columnwidth\textwidth
14597     \orig@RTLfootnotetext{#1}\endgroup}
14598 \def\right@footnoterule{%
14599     \kern-3\p@
14600     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14601     \kern2.6\p@}

```



```

14602 \def\textwidth@footnoterule{\kern-3\p@
14603 \hrule \@width \textwidth \kern 2.6\p@}

```

84 File multienum-xetex-bidi.def

```

14604 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
14605 \renewcommand{\itemx}[1]{\parbox[t]{%
14606 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14607 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
14608 \renewcommand{\itemxx}[2]{\parbox[t]{%
14609 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14610 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14611 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14612 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
14613 \renewcommand{\itemxxx}[3]{\parbox[t]{%
14614 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14615 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14616 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
14617 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
14618 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14619 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
14620 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
14621 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14622 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14623 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14624 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14625 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14626 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
14627 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14628 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
14629 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
14630 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14631 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
14632 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14633 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
14634 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14635 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
14636 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14637 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
14638 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14639 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
14640 \renewcommand{\itemxox}[2]{\parbox[t]{%
14641 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14642 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14643 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14644 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
14645 \renewcommand{\itemxoxo}[2]{\parbox[t]{%
14646 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14647 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
14648 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

14649 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
14650 \renewcommand{\itemxox}[3]{\parbox[t]{%
14651 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14652 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14653 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14654 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14655 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14656 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14657 \renewcommand{\itemxox}[3]{\parbox[t]{%
14658 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14659 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14660 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14661 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
14662 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14663 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14664 \renewcommand{\itemxxox}[3]{\parbox[t]{%
14665 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14666 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14667 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14668 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14669 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14670 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

85 File natbib-xetex-bidi.def

```

14671 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X
14672 \renewenvironment{thebibliography}[1]{%
14673 \bibsection
14674 \parindent\z@
14675 \bibpreamble
14676 \bibfont
14677 \ifRTL\ifLTR\bibitems@RTLfalse\else\fi\else\ifRTL\bibitems@RTLtrue\else\fi\fi
14678 \bidi@thebibliography@font@hook%
14679 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
14680 \ifNAT@openbib
14681 \renewcommand\newblock{\par}%
14682 \else
14683 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
14684 \fi
14685 \sloppy\clubpenalty4000\widowpenalty4000
14686 \sfcode`\.\@m
14687 \let\NAT@bibitem@first@sw@firstoftwo
14688 \let\citeN\cite \let\shortcite\cite
14689 \let\citeasnoun\cite
14690 }{%
14691 \bibitem@fin
14692 \bibpostamble
14693 \def\@noitemerr{%
14694 \PackageWarning{natbib}{Empty `thebibliography' environment}%
14695 }%

```



```

14696 \endlist
14697 \bibcleanup
14698 }%

```

86 File newfloat-xetex-bidi.def

```

14699 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
14700 \renewcommand*{\newfloat@setwithin}[2]{%
14701   \ifcsname c@chapter\endcsname
14702     \@removefromreset{#1}{chapter}%
14703   \fi
14704   \@removefromreset{#1}{section}%
14705   \edef\@tempa{#2}%
14706   \ifx\@tempa\@empty
14707     \def\@tempb{none}%
14708   \fi
14709   \def\@tempb{none}%
14710   \ifx\@tempa\@tempb
14711     \ifcsname c@chapter\endcsname
14712       \@chapterlistsgap@off{#1}%
14713     \fi
14714     \newfloat@@setwithin{#1}{-}{-}%
14715   \else
14716     \def\@tempb{chapter}%
14717     \ifx\@tempa\@tempb
14718       \@addtoreset{#1}{chapter}%
14719       \@chapterlistsgap@on{#1}%
14720       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
14721     \else
14722       \def\@tempb{section}%
14723       \ifx\@tempa\@tempb
14724         \@addtoreset{#1}{section}%
14725         \ifcsname c@chapter\endcsname
14726           \@addtoreset{#1}{chapter}%
14727           \@chapterlistsgap@on{#1}%
14728         \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
14729       \else
14730         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
14731       \fi
14732     \else
14733       \newfloat@Error{Invalid value `#2' for option `within'}%
14734     \fi
14735   \fi
14736 \fi}

```

87 File ntheorem-xetex-bidi.def

```

14737 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
14738 \gdef\@thm#1#2#3{%
14739   \if@thmmarks

```




```

14740     \stepcounter{end\InTheoType ctr}%
14741 \fi
14742 \renewcommand{\InTheoType}{#1}%
14743 \if@thmmarks
14744     \stepcounter{curr#1ctr}%
14745     \setcounter{end#1ctr}{0}%
14746 \fi
14747 \refstepcounter{#2}%
14748 \theorem@prework
14749 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14750 \ifvmode \advance\thm@topsepadd\partopsep\fi
14751 \trivlist
14752 \@topsep \theorempreskipamount
14753 \@topsepadd \thm@topsepadd % used by \@endparenv
14754 \advance\linewidth -\theorem@indent
14755 \advance\@totalleftmargin \theorem@indent
14756 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14757 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

88 File ntheorem-hyper-xetex-bidi.def

```

14758 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
14759 \gdef\@thm#1#2#3{%
14760     \if@thmmarks
14761         \stepcounter{end\InTheoType ctr}%
14762     \fi
14763     \renewcommand{\InTheoType}{#1}%
14764     \if@thmmarks
14765         \stepcounter{curr#1ctr}%
14766         \setcounter{end#1ctr}{0}%
14767     \fi
14768     \refstepcounter{#2}%
14769     \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14770     \ifvmode \advance\thm@topsepadd\partopsep\fi
14771     \trivlist
14772     \@topsep \theorempreskipamount
14773     \@topsepadd \thm@topsepadd % used by \@endparenv
14774     \advance\linewidth -\theorem@indent
14775     \advance\@totalleftmargin \theorem@indent
14776     \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14777     \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

89 File overpic-xetex-bidi.def

```

14778 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package]
14779 \renewenvironment{overpic}[2][\]{%
14780     \sbox{\z@}{\includegraphics[#1]{#2}}%
14781     \settodepth{\@tempcnta}{\usebox{\z@}}%
14782     \settoheight{\@tempcntb}{\usebox{\z@}}%
14783     \advance\@tempcntb\@tempcnta%

```



```

14784 \settowidth{\@tempcnta}{\usebox{\z@}}%
14785 \setlength{\@tempdima}{\unitlength}%
14786 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14787 %
14788 \OVP@calc%
14789 %
14790 \begin{picture}(\@tempcnta,\@tempcntb)%
14791   \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
14792   \ifGin@grid%
14793     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14794       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14795   \fi\fi%
14796   % reset the graphics parameter
14797   \let\Gin@outer@scalex\relax
14798   \let\Gin@outer@scaley\relax
14799   \let\Gin@angle\relax
14800   \let\Gin@ewidth\Gin@exclamation
14801   \let\Gin@eheight\Gin@ewidth
14802   \def\Gin@scalex{1}
14803   \let\Gin@scaley\Gin@exclamation
14804 }{ %
14805   \if@RTL\ifGin@grid%
14806     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14807       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14808   \fi%
14809   \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
14810 \end{picture}%
14811 }%

```

90 File pdfbase-xetex-bidi.def

```

14812 \ProvidesFile{pdfbase-xetex-bidi.def}[2017/08/27 v0.1 bidi adaptations for pdfbase package for
14813 \ExplSyntaxOn
14814 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
14815 \cs_set_nopar:Npn\@outputpage{
14816   \int_gincr:N\g_pbs_page_int
14817   \iow_now:Nx\@mainaux{
14818     \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
14819   }
14820   \box_if_vertical:cTF{\@outputbox}{
14821     \bool_set_true:N\l_pbs_is_vertical_bool
14822   }{
14823     \bool_set_false:N\l_pbs_is_vertical_bool
14824   }
14825   \hbox_set:Nn\@outputbox{
14826     %begin of page
14827     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
14828     \box_use_clear:N\@outputbox
14829     %end of page
14830     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}

```



```

14831 %end of dvi
14832 \int_compare:nT{\pbs@last@page=\g_pbs_page_int}{
14833   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eod_seq{##1}}
14834 }
14835 }
14836 \bool_if:NT\l_pbs_is_vertical_bool{
14837   \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
14838 }
14839 %insert /Properties into current page's resources
14840 \pbs_insert_properties_entry:
14841 \pbs_outputpage_orig:
14842 }
14843 \ExplSyntaxOff

```

91 File pdfpages-xetex-bidi.def

```

14844 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
14845 \renewcommand*{\includepdf}[2][{}]{%
14846   \begingroup
14847   \@RTLfalse
14848   \let\AM@threadname\relax
14849   \AM@split@options{pdfpages}{#1}%
14850   \edef\AM@temp{\{pdfpages\}\the\@temptokena}%
14851   \expandafter\setkeys\AM@temp
14852   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
14853     \let\AM@currentdocname\relax
14854     \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
14855     \def\AM@pagecount{0}%
14856   }{%
14857     \AM@findfile{#2}%
14858     \if\AM@threadname\relax
14859       \def\AM@threadname{\AM@currentdocname}%
14860     \fi
14861   }%
14862   \ifAM@survey
14863     \def\AM@pagestemp{}%
14864     \@tempcnta=0
14865     \def\foo{%
14866       \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
14867       {\let\foo\relax}
14868       {\expandafter\ifx\expandafter\\AM@pagestemp\\
14869         \edef\AM@pagestemp{%
14870           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14871         \else
14872           \edef\AM@pagestemp{\AM@pagestemp,%
14873             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14874         \fi
14875         \advance\@tempcnta 1\relax
14876       }%
14877     \foo

```



```

14878 }%
14879 \foo
14880 \expandafter\ifx\expandafter\\AM@pagetemp\\
14881 \def\AM@pagetemp{1}%
14882 \fi
14883 \fi
14884 \ifAM@output
14885 \expandafter\AM@readlist\expandafter{\AM@pagetemp}%
14886 \AM@output{#1}%
14887 \fi
14888 \AM@CheckAtEnd
14889 \endgroup
14890 \AM@ClearShipoutPicture
14891 }

```

92 File pgfcorescopes.code-xetex-bidi.def

```

14892 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
14893 \def\pgfpicture{%
14894 \begingroup%
14895 \ifmmode\else\@RTLfalse\beginL\fi%
14896 \pgfpicturetrue%
14897 \global\advance\pgf@picture@serial@count by1\relax%
14898 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
14899 \let\pgf@nodecallback=\pgfutil@gobble%
14900 \pgf@picmaxx=-16000pt\relax%
14901 \pgf@picminx=16000pt\relax%
14902 \pgf@picmaxy=-16000pt\relax%
14903 \pgf@picminy=16000pt\relax%
14904 \pgf@relevantforpicturesizetrue%
14905 \pgf@resetpathsizes%
14906 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
14907 \def\endpgfpicture{%
14908 \ifpgfrememberpicturepositiononpage%
14909 \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
14910 \fi%
14911 % ok, now let's position the box
14912 \ifdim\pgf@picmaxx=-16000pt\relax%
14913 % empty picture. make size 0.
14914 \global\pgf@picmaxx=0pt\relax%
14915 \global\pgf@picminx=0pt\relax%
14916 \global\pgf@picmaxy=0pt\relax%
14917 \global\pgf@picminy=0pt\relax%
14918 \fi%
14919 % Shift baseline outside:
14920 \pgf@relevantforpicturesizefalse%
14921 \pgf@process{\pgf@baseline}%
14922 \xdef\pgf@shift@baseline{\the\pgf@y}%
14923 %
14924 \pgf@process{\pgf@trimleft}%

```



```

14925      \global\advance\pgf@x by-\pgf@picminx
14926      % prepare \hskip\pgf@trimleft@final.
14927      % note that \pgf@trimleft@final is also queried
14928      % by the pgf image externalization.
14929      \xdef\pgf@trimleft@final{-\the\pgf@x}%
14930      %
14931      \pgf@process{\pgf@trimright}%
14932      \global\advance\pgf@x by-\pgf@picmaxx
14933      % prepare \hskip\pgf@trimright@final.
14934      % note that \pgf@trimright@final is also queried
14935      % by the pgf image externalization.
14936      \xdef\pgf@trimright@final{\the\pgf@x}%
14937      %
14938      \pgf@remember@layerlist@globally
14939      \endgroup%
14940      \hss%
14941      \egroup%
14942      \pgf@restore@layerlist@from@global
14943      \pgf@insertlayers%
14944      \endgroup%
14945      \pgfsys@discardpath%
14946      \endgroup%
14947      \pgfsys@endscope%
14948      \pgfsys@endpicture%
14949      \endgroup%
14950      \hss
14951      \egroup%
14952      \pgfsys@typesetpicturebox\pgfpic%
14953      \ifmmode\else\endL\fi%
14954      \endgroup%
14955 }

```

93 File `picinpar-xetex-bidi.def`

```

14956 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
14957 \long\def\@makewincaption#1#2{%
14958   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
14959   \ifdim\wd\@tempboxa>\picwd
14960     {\footnotesize{\bf #1:\enspace}{#2\par}}
14961   \else
14962     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
14963   \fi}
14964 \def\endwindow{%
14965   \global\tcd=\tcdsav
14966   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
14967   \vbadness=10000
14968   \splittopskip=0pt
14969 %
14970 % Typeset the lines above the window
14971 %

```



```

14972 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
14973 \tcn=\tcd
14974 \loop\advance\tcn -1
14975 \setbox\fslice=\vsplit\holder to\baselineskip
14976 \prune\fslice\linewidth
14977 \topheight=0pt
14978 \ifnum\dp\fslice>\dp\wstrutbox
14979     \advance\topheight-\dp\fslice
14980     \advance\topheight\dp\wstrutbox
14981     \advance\topheight\ilg\fi
14982 \hbox to\linewidth{\box\fslice}
14983 \vskip-\topheight
14984 \ifdim\ht\holder>0pt\repeat
14985 \fi
14986 %
14987 % Now we build the boxes beside the window
14988 %
14989 \global\topheight=\tcl\baselineskip
14990 \ifnum\cumpartcl>0\global\tcl=\cumtcl
14991     \global\topheight=\vpic
14992 \fi
14993 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
14994 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
14995 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
14996 \tcn=\tcl \na=0 \nb=0
14997 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
14998 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
14999 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15000 \ifnum\na=0\ifnum\nb=0
15001     \setbox\waslice=\vbox to\vpic{\vss}
15002     \setbox\wbslice=\vbox to\vpic{\vss}
15003     \bl=1\br=1
15004     \vskip\ilg
15005 \fi\fi
15006 %
15007 % both sides
15008 %
15009 \ifnum\na>0 \ifnum\nb>0
15010 \loop\advance\nb -1
15011 \advance\na -1
15012 \if@RTL%
15013 \setbox\bslice=\vsplit\holder to\baselineskip
15014 \prune\bslice\rtside
15015 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15016 to\rtside{\box\bslice\hfil}}
15017 \setbox\aslice=\vsplit\holder to\baselineskip
15018 \prune\aslice\lftside
15019 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15020 to\lftside{\box\aslice\hfil}}
15021 \else%

```



```

15022 \setbox\aslice=\vsplit\holder to\baselineskip
15023 \prune\aslice\lftside
15024 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15025 to\lftside{\box\aslice\hfil}}
15026 \setbox\bslice=\vsplit\holder to\baselineskip
15027 \prune\bslice\rtside
15028 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15029 to\rtside{\box\bslice\hfil}}
15030 \fi%
15031 \ifnum\nb>0\repeat
15032 \fi\fi
15033 %
15034 % only text on the left side
15035 %
15036 \ifnum\na>0
15037   \loop\advance\na -1
15038   \setbox\aslice=\vsplit\holder to\baselineskip
15039   \prune\aslice\lftside
15040   \setbox\waslice=\vbox{\unvbox\waslice\hbox
15041   to\lftside{\box\aslice\hfil}}
15042   \ifdim\ht\holder>0pt\repeat
15043 \fi
15044 %
15045 % only text on the right side
15046 %
15047 \ifnum\nb>0
15048   \loop\advance\nb -1
15049   \setbox\bslice=\vsplit\holder to\baselineskip
15050   \prune\bslice\rtside
15051   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15052   to\rtside{\box\bslice\hfil}}
15053   \ifdim\ht\holder>0pt\repeat
15054 \fi
15055 %
15056 % fixing the dimensions of the window part
15057 %
15058 \ifnum\bl=0\topheight=\ht\wbslice
15059 \else\ifnum\br=0\topheight=\ht\waslice
15060   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15061   \else\topheight=\ht\wbslice\fi\fi\fi
15062 %
15063 % ship out the window material to the main vertical list
15064 %
15065 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15066 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15067 \fi\fi\fi
15068 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15069 \ifnum\bl>0\box\waslice\hfill\fi%
15070 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15071 \vfill\unvbox\picbox}%

```



```

15072 \ifnum\picwd>0\vfill\fi%
15073 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15074 \unvbox\windowbox%
15075 \loop
15076 \setbox\bslice=\vsplit\rawtext to\baselineskip
15077 \prune\bslice\linewidth
15078 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15079 \unvbox\wbslice
15080 \ifdim\ht\rawtext>Opt
15081 \repeat
15082 }% FINITO

```

94 File plain-xetex-bidi.def

```

15083 \def\TeXXeTOn{\TeXXeTstate=1 }
15084 \def\TeXXeTOff{\TeXXeTstate=0 }
15085 \TeXXeTOn
15086 \def\usebox#1{\leavevmode\copy #1\relax}
15087 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
15088 \let\bidi@o@everypar=\everypar
15089 \newtoks\bidi@n@everypar
15090 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
15091 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
15092 \let\everypar=\bidi@n@everypar
15093 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15094 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15095 \protected\def\hboxR{\hbox\bgroup
15096 \everyhbox{%
15097 \aftergroup\egroup
15098 \everyhbox{}}%
15099 \beginR
15100 \@hboxRconstructtrue
15101 \bgroup
15102 \aftergroup\endR
15103 \aftergroup\egroup
15104 }\hbox}
15105 \protected\def\hboxL{\hbox\bgroup
15106 \everyhbox{%
15107 \aftergroup\egroup
15108 \everyhbox{}}%
15109 \beginL
15110 \@hboxRconstructfalse
15111 \bgroup
15112 \aftergroup\endL
15113 \aftergroup\egroup
15114 }\hbox}
15115 \protected\def\vboxR{\vbox\bgroup
15116 \everyvbox{%
15117 \aftergroup\egroup
15118 \everyvbox{}}%

```




```

15119 \RTLtrue
15120 \bgroup
15121 \aftergroup\egroup
15122 }\vbox}
15123 \protected\def\vboxL{\vbox\bgroup
15124 \everyvbox{%
15125 \aftergroup\egroup
15126 \everyvbox{}}%
15127 \RTLfalse
15128 \bgroup
15129 \aftergroup\egroup
15130 }\vbox}
15131 \def\LTR{\par\RTLfalse\RTL@footnotefalse\hsize\linewidth\parshape\z@}
15132 \def\endLTR{\par}
15133 \def\RTL{\par\RTLtrue\RTL@footnotetrue\hsize\linewidth\parshape\z@}
15134 \def\endRTL{\par}
15135 \def\setRTL{\@RTLtrue\RTL@footnotetrue}
15136 \def\setLTR{\@RTLfalse\RTL@footnotefalse}
15137 \let\unsetRTL=\setLTR
15138 \let\unsetLTR=\setRTL
15139 \let\LR=\LRE
15140 \let\RL=\RLE
15141 \def\@ensureRTL#1{\ifRTL#1\else\RLE{#1}\fi}
15142 \def\@ensureLTR#1{\ifRTL\LRE{#1}\else#1\fi}
15143 \let\@ensureRL=\@ensureRTL
15144 \let\@ensureLR=\@ensureLTR
15145 \def\@ensure@dir#1{\ifRTL\RLE{#1}\else{#1}\fi}
15146 \let\@ensure@maindir=\@ensure@dir
15147 \def\@RTL{RTL}
15148 \def\@LTR{LTR}
15149 \def\save@dir{\ifRTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
15150 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
15151 \let\@TeX\TeX
15152 \def\TeX{\@ensureLTR{\@TeX}}
15153 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
15154 \dimen@=\dp\ccclv\unvbox\ccclv % open up \box255
15155 \ifvoid\footins\else % footnote info is present
15156 \vskip\skip\footins
15157 \footnoterule
15158 \unvbox\footins\fi
15159 \ifr@ggedbottom\kern-\dimen@\vfil\fi
15160 \ifvoid\@bidi@copyins@
15161 \else
15162 \vskip\skip\@bidi@copyins@
15163 \unvbox\@bidi@copyins@
15164 \fi
15165 }
15166 \long\def\bidi@reflect@box#1{%
15167 \leavevmode
15168 \setbox\z@\hbox{{#1}}%

```



```

15169 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@\special{x:grestore}}
15170 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15171 }
15172 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
15173 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
15174 \let\setRL=\setRTL
15175 \let\setLR=\setLTR
15176 \let\unsetRL=\setLTR
15177 \let\bidisaved@eqno=\eqno
15178 \let\bidisaved@leqno=\leqno
15179 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
15180 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
15181 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15182 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15183 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

95 File pstricks-xetex-bidi.def

```

15184 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15185 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15186 \def\endpspicture{%
15187 \ifshowgrid\ifnum\showgridp>0
15188 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15189 \pst@killglue
15190 % \global\pst@shift=\pst@shift% in fact of the following endgroup
15191 \endgroup
15192 \egroup
15193 \ifdim\wd\pst@hbox=\z@\else
15194 %\@pstrickserr{Extraneous space in the pspicture environment}%
15195 %\Type \space <return> \space to proceed.}%
15196 \fi
15197 \ht\pst@hbox=\pst@dimd
15198 \dp\pst@hbox=-\pst@dimb
15199 \setbox\pst@hbox=\hbox{%
15200 \kern-\pst@dimd
15201 % Orig version -----
15202 %\ifx\pst@tempa\@empty\else
15203 %\advance\pst@dimd-\pst@dimb
15204 %\pst@dimd=\pst@tempa\pst@dimd
15205 %\advance\pst@dimd\pst@dimb
15206 %\lower\pst@dimd
15207 %\fi
15208 %----- end Orig
15209 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift==
15210 \advance\pst@dimd-\pst@dimb
15211 \pst@dimd=0.5\pst@dimd
15212 \else\pst@dimd-\pst@shift\fi
15213 \advance\pst@dimd\pst@dimb
15214 \lower\pst@dimd
15215 \box\pst@hbox

```



```

15216 \kern\pst@dimc}%
15217 \ifstar\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15218 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15219 \fboxsep=0pt
15220 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15221 \ifmmode\else\endL\fi
15222 \endgroup%
15223 \psset[pstricks]{shift=0}% reset value
15224 }

```

96 File quotchap-xetex-bidi.def

```

15225 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15226 \renewcommand{\qauthor}[1]{%
15227 \par\smallskip
15228 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{\par}\bigskip}
15229 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15230 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15231 {\chapnumfont
15232 \ifnum \c@secnumdepth >\m@ne%
15233 \if@mainmatter\thechapter%
15234 \fi\fi
15235 \par\nobreak}%
15236 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10\p
15237 \nobreak\chapterheadendvskip}}
15238 \renewcommand*{\@iprintcites}{%
15239 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15240 \global\let\@printcites\relax}

```

97 File ragged2e-xetex-bidi.def

```

15241 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package]
15242 \renewcommand{\Centering}{%
15243 \ifx\\@raggedtwoe@savedcr
15244 \let\\@centercr
15245 \fi
15246 \let@gnewline@raggedtwoe@gnewline
15247 \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
15248 \@rightskip\CenteringRightskip
15249 \if@RTL\leftskip\else\rightright\fi\@rightskip
15250 \parfillskip\CenteringParfillskip
15251 \parindent\CenteringParindent
15252 \@raggedtwoe@spaceskiptrue
15253 \@raggedtwoe@everyselectfont
15254 }
15255 \renewcommand{\RaggedLeft}{%
15256 \ifx\\@raggedtwoe@savedcr
15257 \let\\@centercr
15258 \fi
15259 \let@gnewline@raggedtwoe@gnewline

```



```

15260 \if@RTL\rightrightskip\else\leftskip\fi\RaggedLeftLeftskip
15261 \@rightskip\RaggedLeftRightskip
15262 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15263 \parfillskip\RaggedLeftParfillskip
15264 \parindent\RaggedLeftParindent
15265 \@raggedtwo@spaceskiptrue
15266 \@raggedtwo@everyselectfont
15267 }
15268 \renewcommand{\RaggedRight}{%
15269 \ifx\\ \@raggedtwo@savedcr
15270 \let\\ \@centercr
15271 \fi
15272 \let\@gnewline\@raggedtwo@gnewline
15273 \if@RTL\rightrightskip\else\leftskip\fi\RaggedRightLeftskip
15274 \@rightskip\RaggedRightRightskip
15275 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15276 \parfillskip\RaggedRightParfillskip
15277 \parindent\RaggedRightParindent
15278 \@raggedtwo@spaceskiptrue
15279 \@raggedtwo@everyselectfont
15280 }
15281 \renewcommand{\justifying}{%
15282 \let\\ \@raggedtwo@savedcr
15283 \let\@gnewline\@raggedtwo@saved@gnewline
15284 \if@RTL\rightrightskip\else\leftskip\fi\z@
15285 \@rightskip\z@
15286 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15287 \parfillskip\JustifyingParfillskip
15288 \parindent\JustifyingParindent
15289 \@raggedtwo@spaceskipfalse
15290 \@raggedtwo@everyselectfont
15291 }
15292 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{
15293 \CheckCommand*{\@arrayparboxrestore}{%
15294 \let\if@nobreak\iffalse
15295 \let\if@noskipsec\iffalse
15296 \let\par\@par
15297 \let\-\@dischph
15298 \let'\@acci\let\`@accii\let\=@acciii
15299 \parindent\z@ \parskip\z@skip
15300 \everypar{}%
15301 \linewidth\hsize
15302 \@totalleftmargin\z@
15303 \if@RTL\rightrightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
15304 \parfillskip\@flushglue \lineskip\normallineskip
15305 \baselineskip\normalbaselineskip
15306 \sloppy}%
15307 \renewcommand{\@arrayparboxrestore}{%
15308 \let\if@nobreak\iffalse
15309 \let\if@noskipsec\iffalse

```



```

15310 \let\par\@par
15311 \let\-\@dischyph
15312 \let'\@acci\let`\@accii\let\=\@acciii
15313 \parskip\z@skip
15314 \everypar{}%
15315 \linewidth\hsize
15316 \@totalleftmargin\z@
15317 \RaggedRight
15318 \lineskip\normallineskip
15319 \baselineskip\normalbaselineskip
15320 \sloppy}%
15321 \let\@raggedtwoe@raggedrightboxes@opt\relax
15322 }
15323 \let\origin@RaggedLeft=\RaggedLeft
15324 \let\origin@RaggedRight=\RaggedRight
15325 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15326 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

98 File rapport1-xetex-bidi.def

```

15327 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for]
15328 \renewenvironment{theindex}{%
15329   \if@twocolumn
15330     \@restonecolfalse
15331   \else
15332     \@restonecoltrue
15333   \fi
15334   \columnseprule \z@
15335   \columnsep 35\p@
15336   \twocolumn[\@makeschapterhead{\indexname}]%
15337   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15338   \thispagestyle{plain}\parindent\z@
15339   \parskip\z@ \@plus .3\p@\relax
15340   \let\item\@idxitem
15341 }{%
15342   \if@restonecol\onecolumn\else\clearpage\fi}
15343 \renewcommand*{\head@style}{%
15344   \interlinepenalty \@M
15345   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15346   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15347 \if@titlepage
15348   \renewenvironment{abstract}{%
15349     \titlepage
15350     \null\vfil
15351     \section*{\SectFont\abstractname}%
15352     \noindent\ignorespaces}
15353   {\par\vfil\null\endtitlepage}
15354 \else
15355   \renewenvironment{abstract}{%
15356     \if@twocolumn

```



```

15357         \section*{\abstractname}%
15358     \else
15359         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15360         \section*{\small\SectFont\abstractname}%
15361         \noindent\ignorespaces
15362     \fi}
15363     {\if@twocolumn\else\par\egroup\fi}
15364 \fi
15365 \renewcommand*{\@regtocline[3]}{%
15366     \ifnum #1>\c@tocdepth
15367     \else
15368         \vskip\z@ \@plus.2\p@
15369         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15370         \if@RTL\rightskip\else\leftskip\fi\unitindent
15371         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
15372         \parfillskip\z@
15373         \@tempdima\unitindent
15374         \parindent\z@
15375         \leavevmode
15376         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
15377         \hskip 1em \nobreak{\slshape #3}\par
15378     }%
15379     \fi}
15380 \if@oldtoc
15381 \renewcommand*{\l@part[2]}{%
15382     \ifnum \c@tocdepth >-2\relax
15383         \addpenalty{-\@highpenalty}%
15384         \addvspace{2.25em \@plus\p@}%
15385         \begingroup
15386             \setlength\@tempdima{3em}%
15387             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15388             \parfillskip -\@pnumwidth
15389             {\leavevmode
15390                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15391                 \nobreak
15392                 \global\@nobreaktrue
15393                 \everypar{\global\@nobreakfalse\everypar{}}%
15394             \endgroup
15395         \fi}
15396 \else
15397     \renewcommand*{\l@part}%
15398     \ifnum \c@tocdepth >-2\relax
15399         \addpenalty{-\@highpenalty}%
15400         \addvspace{2.25em \@plus \p@}%
15401         \@regtocline{0}%
15402     \fi}
15403 \fi
15404 \if@oldtoc
15405 \renewcommand*{\l@chapter[2]}{%
15406     \addpenalty{-\@highpenalty}%

```



```

15407 \vskip 1.0em \@plus\p@
15408 \setlength\@tempdima{1.5em}%
15409 \beginingroup
15410 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15411 \parfillskip -\@pnumwidth
15412 \leavevmode \bfseries
15413 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15414 \hskip -\if@RTL\rightskip\else\leftskip\fi
15415 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15416 \penalty\@highpenalty
15417 \endgroup}
15418 \else
15419 \renewcommand*\l@chapter{\@regtocline{0}}
15420 \fi
15421 \renewcommand*\left@footnoterule{%
15422 \kern-3\p@
15423 \kern.5\baselineskip
15424 \hrule\@width\unitindent
15425 \kern.4\baselineskip
15426 }
15427 \renewcommand*\right@footnoterule{%
15428 \kern-3\p@
15429 \kern.5\baselineskip
15430 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15431 \kern.4\baselineskip}
15432 \renewenvironment{thebibliography}[1]
15433 {\chapter*{\bibname}%
15434 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15435 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15436 \bidi@thebibliography@font@hook%
15437 \list{\@biblabel{\@arabic\c@enumiv}}%
15438 {\settowidth\labelwidth{\@biblabel{#1}}%
15439 \leftmargin\labelwidth
15440 \advance\leftmargin\labelsep
15441 \@openbib@code
15442 \usecounter{enumiv}%
15443 \let\p@enumiv\@empty
15444 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15445 \sloppy\clubpenalty4000\widowpenalty4000%
15446 \sfcode`\.\@m}
15447 {\def\@noitemerr
15448 {\@latex@warning{Empty `thebibliography' environment}}%
15449 \endlist}
15450 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15451 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15452 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15453 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15454 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15455 \renewcommand*\theequation{%
15456 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}

```



```

15457 \renewcommand*\thefigure{%
15458   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15459 \renewcommand*\thetable{%
15460   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15461 \if@titlepage
15462 \renewcommand*\TitleFont{\rmfamily}
15463 \renewcommand*\maketitle{%
15464   \begin{titlepage}%
15465     \let\footnotesize\small
15466     \let\right@footnoterule\relax
15467     \let\left@footnoterule\relax
15468     \let\textwidth@footnoterule\relax
15469     \let \footnote \thanks
15470     \long\def\@makefntext##1{\parindent\z@
15471       \def\labelitemi{\textendash}\@revlabeltrue
15472       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15473     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15474     \if@compatibility\setcounter{page}{0}\fi
15475     \null\vfil
15476     \vskip 60\p@
15477     \begin{center}%
15478       \TitleFont
15479       {\LARGE \def\\{\penalty -\@M}
15480         \if@allcaps
15481           \expandafter\uc@nothanks\@title\thanks\relax
15482         \else
15483           \@title
15484         \fi\par}%
15485       \vskip 3em%
15486       {\large
15487         \lineskip .75em \parindent\z@
15488         \begin{tabular}[t]{c}%
15489           \if@allcaps
15490             \expandafter\uc@authornothanks\@author\and\relax
15491           \else
15492             \@author
15493           \fi
15494         \end{tabular}\par}%
15495       \vskip 1.5em%
15496       {\large
15497         \if@allcaps
15498           \uppercase\expandafter{\@date}%
15499         \else
15500           \@date
15501         \fi\par}%
15502       \end{center}\par
15503       \@thanks
15504       \vfil\null
15505     \end{titlepage}%
15506     \setcounter{footnote}{0}%

```




```

15507 \global\let\thanks\relax
15508 \global\let\maketitle\relax
15509 \global\let\@thanks\@empty
15510 \global\let\@author\@empty
15511 \global\let\@title\@empty
15512 \global\let\@date\@empty
15513 \global\let\title\relax
15514 \global\let\author\relax
15515 \global\let\date\relax
15516 \global\let\and\relax
15517 }
15518 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15519 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15520 \futurelet\@tempa\uc@ax}
15521 \def\uc@ax{%
15522 \ifx\@tempa\relax
15523 \else
15524 \\\andname \\\expandafter\uc@authornothanks
15525 \fi}
15526 \def\uc@tx{\ifx\@tempa\relax
15527 \else \expandafter\uc@ty \fi}
15528 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15529 \else
15530 \renewcommand*\maketitle{\par
15531 \begingroup
15532 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15533 \def\@makefnmark{\rlap{%
15534 \@textsuperscript{\normalfont\@thefnmark}}}%
15535 \long\def\@makefntext{\@xmakefntext{%
15536 \@textsuperscript{\normalfont\@thefnmark}}}%
15537 \if@twocolumn
15538 \ifnum \col@number=\@ne
15539 \@maketitle
15540 \else
15541 \twocolumn[\@maketitle]%
15542 \fi
15543 \else
15544 \newpage
15545 \global\@topnum\z@
15546 \@maketitle
15547 \fi
15548 \thispagestyle{plain}\@thanks
15549 \endgroup
15550 \setcounter{footnote}{0}%
15551 \global\let\thanks\relax
15552 \global\let\maketitle\relax
15553 \global\let\@maketitle\relax
15554 \global\let\@thanks\@empty
15555 \global\let\@author\@empty
15556 \global\let\@title\@empty

```



```

15557 \global\let\@date\@empty
15558 \global\let\title\relax
15559 \global\let\author\relax
15560 \global\let\date\relax
15561 \global\let\and\relax
15562 }
15563 \def\@maketitle{%
15564 \newpage
15565 \null
15566 \vskip 2em%
15567 \begin{center}%
15568 \let \footnote \thanks
15569 {\LARGE \TitleFont \@title \par}%
15570 \vskip 1.5em%
15571 {\large \TitleFont
15572 \lineskip .5em%
15573 \begin{tabular}[t]{c}%
15574 \@author
15575 \end{tabular}\par}%
15576 \vskip 1em%
15577 {\large \TitleFont \@date}%
15578 \end{center}%
15579 \par
15580 \vskip 1.5em}
15581 \fi

```

99 File rapport3-xetex-bidi.def

```

15582 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
15583 \renewenvironment{theindex}{%
15584 \if@twocolumn
15585 \@restonecolfalse
15586 \else
15587 \@restonecoltrue
15588 \fi
15589 \columnseprule \z@
15590 \columnsep 35\p@
15591 \twocolumn[\@makeschapterhead{\indexname}]%
15592 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15593 \thispagestyle{plain}\parindent\z@
15594 \parskip\z@ \@plus .3\p@\relax
15595 \let\item\@idxitem
15596 }{%
15597 \if@restonecol\onecolumn\else\clearpage\fi}
15598 \if@titlepage
15599 \renewcommand*\TitleFont{\rmfamily}
15600 \renewcommand*\maketitle{%
15601 \begin{titlepage}%
15602 \let\footnotesize\small
15603 \let\right@footnoterule\relax

```



```

15604 \let\left@footnoterule\relax
15605 \let\textwidth@footnoterule\relax
15606 \let \footnote \thanks
15607 \let \LTRfootnote \LTRthanks
15608 \let \RTLfootnote \RTLthanks
15609 \long\def\@makefnstext##1{\parindent\z@
15610     \def\labelitemi{\textendash}\@revlabeltrue
15611     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15612 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15613 \if@compatibility\setcounter{page}{0}\fi
15614 \null\vfil
15615 \vskip 60\p@
15616 \begin{center}%
15617     \TitleFont
15618     {\LARGE \def\{\{\penalty -\@M}
15619     \if@allcaps
15620         \expandafter\uc@nothanks\@title\thanks\relax
15621     \else
15622         \@title
15623     \fi\par}%
15624 \vskip 3em%
15625 {\large
15626     \lineskip .75em \parindent\z@
15627     \begin{tabular}[t]{c}%
15628         \if@allcaps
15629             \expandafter\uc@authornothanks\@author\and\relax
15630         \else
15631             \@author
15632         \fi
15633     \end{tabular}\par}%
15634 \vskip 1.5em%
15635 {\large
15636     \if@allcaps
15637         \uppercase\expandafter{\@date}%
15638     \else
15639         \@date
15640     \fi\par}%
15641 \end{center}\par
15642 \@thanks
15643 \vfil\null
15644 \end{titlepage}%
15645 \setcounter{footnote}{0}%
15646 \global\let\thanks\relax
15647 \global\let\LTRthanks\relax
15648 \global\let\RTLthanks\relax
15649 \global\let\maketitle\relax
15650 \global\let\@thanks\@empty
15651 \global\let\@author\@empty
15652 \global\let\@title\@empty
15653 \global\let\@date\@empty

```



```

15654 \global\let\title\relax
15655 \global\let\author\relax
15656 \global\let\date\relax
15657 \global\let\and\relax
15658 }
15659 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15660 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15661 \futurelet\@tempa\uc@ax}
15662 \def\uc@ax{%
15663 \ifx\@tempa\relax
15664 \else
15665 \\\andname \\\expandafter\uc@authornothanks
15666 \fi}
15667 \def\uc@tx{\ifx\@tempa\relax
15668 \else \expandafter\uc@ty \fi}
15669 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15670 \else
15671 \renewcommand*\maketitle{\par
15672 \begingroup
15673 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15674 \def\@makefnmark{\rlap{%
15675 \@textsuperscript{\normalfont\@thefnmark}}}%
15676 \long\def\@makefntext{\@xmakefntext{%
15677 \@textsuperscript{\normalfont\@thefnmark}}}%
15678 \if@twocolumn
15679 \ifnum \col@number=\@one
15680 \@maketitle
15681 \else
15682 \twocolumn[\@maketitle]%
15683 \fi
15684 \else
15685 \newpage
15686 \global\@topnum\z@
15687 \@maketitle
15688 \fi
15689 \thispagestyle{plain}\@thanks
15690 \endgroup
15691 \setcounter{footnote}{0}%
15692 \global\let\thanks\relax
15693 \global\let\LTRthanks\relax
15694 \global\let\RTLthanks\relax
15695 \global\let\maketitle\relax
15696 \global\let\@maketitle\relax
15697 \global\let\@thanks\@empty
15698 \global\let\@author\@empty
15699 \global\let\@title\@empty
15700 \global\let\@date\@empty
15701 \global\let\title\relax
15702 \global\let\author\relax
15703 \global\let\date\relax

```



```

15704 \global\let\and\relax
15705 }
15706 \def\@maketitle{%
15707 \newpage
15708 \null
15709 \vskip 2em%
15710 \if@titlecentered
15711 \begin{center}%
15712 \let \footnote \thanks
15713 \let \LTRfootnote \LTRthanks
15714 \let \RTLfootnote \RTLthanks
15715 {\LARGE \TitleFont \@title \par}%
15716 \vskip 1.5em%
15717 {\large \TitleFont
15718 \lineskip .5em%
15719 \begin{tabular}[t]{c}%
15720 \@author
15721 \end{tabular}\par}%
15722 \vskip 1em%
15723 {\large \TitleFont \@date}%
15724 \end{center}%
15725 \else
15726 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
15727 {\large \TitleFont \lineskip .5em \tabcolsep\z@
15728 \def\and{%% \begin{tabular} has already started
15729 \end{tabular}\hskip 1em plus .17fil
15730 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
15731 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
15732 \vskip 1em {\large \TitleFont \@date}
15733 \fi
15734 \par
15735 \vskip 1.5em}
15736 \fi
15737 \renewcommand*\@regtocline[3]{%
15738 \ifnum #1>\c@tocdepth
15739 \else
15740 \vskip\z@\@plus.2\p@
15741 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15742 \if@RTL\righskip\else\leftskip\fi\unitindent
15743 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15744 \parfillskip\z@
15745 \@tempdima\unitindent
15746 \parindent\z@
15747 \leavevmode
15748 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15749 \hskip 1em \nobreak{\slshape #3}\par
15750 }%
15751 \fi}
15752 \if@oldtoc
15753 \renewcommand*\l@part[2]{%

```



```

15754 \ifnum \c@tocdepth >-2\relax
15755 \addpenalty{-\@highpenalty}%
15756 \addvspace{2.25em \@plus\p@}%
15757 \begingroup
15758 \setlength\@tempdima{3em}%
15759 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15760 \parfillskip -\@pnumwidth
15761 {\leavevmode
15762 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15763 \nobreak
15764 \global\@nobreaktrue
15765 \everypar{\global\@nobreakfalse\everypar{}}%
15766 \endgroup
15767 \fi}
15768 \else
15769 \renewcommand*\l@part{%
15770 \ifnum \c@tocdepth >-2\relax
15771 \addpenalty{-\@highpenalty}%
15772 \addvspace{2.25em \@plus\p@}%
15773 \@regtocline{0}%
15774 \fi}
15775 \fi
15776 \if@oldtoc
15777 \renewcommand*\l@chapter[2]{%
15778 \addpenalty{-\@highpenalty}%
15779 \vskip 1.0em \@plus\p@
15780 \setlength\@tempdima{1.5em}%
15781 \begingroup
15782 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15783 \parfillskip -\@pnumwidth
15784 \leavevmode \bfseries
15785 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15786 \hskip -\if@RTL\rightskip\else\leftskip\fi
15787 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15788 \penalty\@highpenalty
15789 \endgroup}
15790 \else
15791 \renewcommand*\l@chapter{\@regtocline{0}}
15792 \fi
15793 \renewcommand*\head@style{%
15794 \interlinepenalty \@M
15795 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15796 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15797 \if@titlepage
15798 \renewenvironment{abstract}{%
15799 \titlepage
15800 \null\vfil
15801 \section*{\SectFont\abstractname}%
15802 \noindent\ignorespaces}
15803 {\par\vfil\null\endtitlepage}

```



```

15804 \else
15805   \renewenvironment{abstract}{%
15806     \if@twocolumn
15807       \section*{\abstractname}%
15808     \else
15809       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15810       \section*{\small\SectFont\abstractname}%
15811       \noindent\ignorespaces
15812     \fi}
15813   {\if@twocolumn\else\par\egroup\fi}
15814 \fi
15815 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15816 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15817 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15818 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15819 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15820 \renewcommand*\thefigure{%
15821   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15822 \renewcommand*\thetable{%
15823   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15824 \renewcommand*\theequation{%
15825   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15826 \renewenvironment{thebibliography}[1]
15827   {\chapter*{\bibname}%
15828    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15829    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15830    \bidi\@thebibliography@font@hook%
15831    \list{\@biblabel{\@arabic\c@enumiv}}%
15832      {\settowidth\labelwidth{\@biblabel{#1}}%
15833       \leftmargin\labelwidth
15834       \advance\leftmargin\labelsep
15835       \@openbib@code
15836       \usecounter{enumiv}%
15837       \let\p@enumiv\@empty
15838       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15839    \sloppy\clubpenalty4000\widowpenalty4000%
15840    \sfcode`\.\@m}
15841    {\def\@noitemerr
15842     {\@latex@warning{Empty `thebibliography' environment}}%
15843     \endlist}
15844 \renewcommand*\left@footnoterule{%
15845   \kern-3\p@
15846   \kern.5\baselineskip
15847   \hrule\@width\unitindent
15848   \kern.4\baselineskip
15849 }
15850 \renewcommand*\right@footnoterule{%
15851   \kern-3\p@
15852   \kern.5\baselineskip
15853   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }

```



```

15854 \kern.4\baselineskip}
15855 \renewcommand*\head@style{%
15856     \interlinepenalty \@M
15857     \hyphenpenalty=\@M \exhyphenpenalty=\@M
15858     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

100 File refrep-xetex-bidi.def

```

15859 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for Xe
15860 \if@titlepage
15861     \renewcommand\maketitle{\begin{titlepage}%
15862         \let\footnotesize\small
15863         \let\right@footnoterule\relax
15864         \let\left@footnoterule\relax
15865         \let\textwidth\footnoterule\relax
15866         \let\footnote\thanks
15867         \let\LTRfootnote\LTRthanks
15868         \let\RTLfootnote\RTLthanks
15869         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15870         \def\@makefnmark%
15871             {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15872         \long\def\@makefntext##1{%
15873             \@setpar{\@par
15874                 \@tempdima = \hsize
15875                 \advance\@tempdima -1em
15876                 \parshape \@ne 1em \@tempdima}%
15877             \par\parindent 1em \noindent
15878             \hb@xt@z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15879     \null\vfil
15880     \vskip 60\p@
15881     \begin{center}%
15882         {\LARGE \@title \par}%
15883         \vskip 3em%
15884         {\large
15885             \lineskip .75em%
15886             \begin{tabular}[t]{c}%
15887                 \@author
15888             \end{tabular}\par}%
15889         \vskip 1.5em%
15890         {\large \@date \par}%           % Set date in \large size.
15891     \end{center}\par
15892     \@thanks
15893     \vfil\null
15894     \end{titlepage}%
15895     \setcounter{footnote}{0}%
15896     \global\let\thanks\relax
15897     \global\let\LTRthanks\relax
15898     \global\let\RTLthanks\relax
15899     \global\let\maketitle\relax
15900     \global\let\@thanks\@empty

```




```

15901 \global\let\@author\@empty
15902 \global\let\@date\@empty
15903 \global\let\@title\@empty
15904 \global\let\title\relax
15905 \global\let\author\relax
15906 \global\let\date\relax
15907 \global\let\and\relax
15908 }
15909 \else
15910 \renewcommand\maketitle{\par
15911 \begingroup
15912 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15913 \def\@makefnmark%
15914 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15915 \long\def\@makefntext##1{%
15916 \setpar{\@par
15917 \tempdima = \hsize
15918 \advance\tempdima -1em
15919 \parshape \@ne 1em \tempdima}%
15920 \par\parindent 1em \noindent
15921 \hb@xt@\z@\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15922 \if@twocolumn
15923 \ifnum \col@number=\@ne
15924 \maketitle
15925 \else
15926 \twocolumn[\maketitle]%
15927 \fi
15928 \else
15929 \newpage
15930 \global\@topnum\z@ % Prevents figures from going at top of page.
15931 \maketitle
15932 \fi
15933 \thispagestyle{empty}\@thanks
15934 \endgroup
15935 \setcounter{footnote}{0}%
15936 \global\let\thanks\relax
15937 \global\let\LTRthanks\relax
15938 \global\let\RTLthanks\relax
15939 \global\let\maketitle\relax
15940 \global\let\@maketitle\relax
15941 \global\let\@thanks\@empty
15942 \global\let\@author\@empty
15943 \global\let\@date\@empty
15944 \global\let\@title\@empty
15945 \global\let\title\relax
15946 \global\let\author\relax
15947 \global\let\date\relax
15948 \global\let\and\relax
15949 }
15950 \def\@maketitle{%

```



```

15951 \newpage
15952 \null
15953 \longthickrule\vskip1.5em%
15954 \let \footnote \thanks
15955 \let \LTRfootnote \LTRthanks
15956 \let \RTLfootnote \RTLthanks
15957 {\secshape \parskip\z@ \parindent\z@
15958 \Large\bfseries \@title \par}%
15959 \vskip1.5em\longthickrule\vskip1.5em%
15960 {\normalsize
15961 \lineskip .5em%
15962 \begin{flushright}%
15963 {\slshape\@author\par}
15964 \vskip 1em%
15965 {\@date}%
15966 \end{flushright}\par}%
15967 \vskip 1.5em}
15968 \fi
15969 \renewcommand*\l@part[2]{%
15970 \ifnum \c@tocdepth >-2\relax
15971 \addpenalty{-\@highpenalty}%
15972 \addvspace{2.25em \@plus\p@}%
15973 \begingroup
15974 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15975 \parfillskip -\@pnumwidth
15976 {\leavevmode
15977 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
15978 \nobreak
15979 \global\@nbreaktrue
15980 \everypar{\global\@nbreakfalse\everypar{}}%
15981 \endgroup
15982 \fi}
15983 \renewcommand*\l@chapter[2]{%
15984 \ifnum \c@tocdepth >\m@ne
15985 \addpenalty{-\@highpenalty}%
15986 \vskip 1.0em \@plus\p@
15987 \setlength\@tempdima{1.5em}%
15988 \begingroup
15989 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15990 \parfillskip -\@pnumwidth
15991 \leavevmode \bfseries
15992 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15993 \hskip -\if@RTL\rightskip\else\leftskip\fi
15994 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15995 \penalty\@highpenalty
15996 \endgroup
15997 \fi}
15998 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
15999 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16000 \hyphenpenalty=2000}

```



```

16001 \renewcommand\left@footnoterule{%
16002   \kern-3\p@
16003   \hrule\@width.4\columnwidth
16004   \kern 2.6\p@}
16005 \renewcommand\right@footnoterule{%
16006   \kern-3\p@
16007   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16008   \kern2.6\p@}
16009 \renewcommand\theequation
16010 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16011 \renewcommand\thefigure
16012   {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16013 \renewcommand\thetable%
16014   {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}
16015 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16016 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16017 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16018 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16019 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16020 \renewenvironment{thebibliography}[1]
16021   {\chapter*{\bibname
16022     \@mkboth{\bibname}{\bibname}}%
16023     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16024     \bidi@thebibliography@font@hook%
16025     \list{\@biblabel{\@arabic\c@enumiv}}%
16026       {\settowidth\labelwidth{\@biblabel{#1}}%
16027        \leftmargin\labelwidth
16028        \advance\leftmargin\labelsep
16029        \@openbib@code
16030        \usecounter{enumiv}%
16031        \let\p@enumiv\@empty
16032        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16033        \sloppy
16034        \clubpenalty4000
16035        \@clubpenalty \clubpenalty
16036        \widowpenalty4000%
16037        \sfcode`\.=\@m}
16038   {\def\@noitemerr
16039     {\@latex@warning{Empty `thebibliography' environment}}%
16040     \endlist}

```

101 File report-xetex-bidi.def

```

16041 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
16042 \renewenvironment{theindex}
16043   {\if@twocolumn
16044     \@restonecolfalse
16045     \else
16046       \@restonecoltrue
16047     \fi

```



```

16048         \columnseprule \z@
16049         \columnsep 35\p@
16050         \twocolumn[\@makeschapterhead{\indexname}]%
16051         \@mkboth{\MakeUppercase\indexname}%
16052                 {\MakeUppercase\indexname}%
16053         \thispagestyle{plain}\parindent\z@
16054         \parskip\z@ \@plus .3\p@\relax
16055         \let\item\@idxitem
16056         {\if@restonecol\onecolumn\else\clearpage\fi}
16057 \if@titlepage
16058 \renewcommand\maketitle{\begin{titlepage}%
16059 \let\footnotesize\small
16060 \let\right@footnoterule\relax
16061 \let\left@footnoterule\relax
16062 \let\textwidth\footnoterule\relax
16063 \let \footnote \thanks
16064 \let \LTRfootnote \LTRthanks
16065 \let \RTLfootnote \RTLthanks
16066 \null\vfil
16067 \vskip 60\p@
16068 \begin{center}%
16069   {\LARGE \@title \par}%
16070   \vskip 3em%
16071   {\large
16072     \lineskip .75em%
16073     \begin{tabular}[t]{c}%
16074       \@author
16075     \end{tabular}\par}%
16076     \vskip 1.5em%
16077     {\large \@date \par}%           % Set date in \large size.
16078 \end{center}\par
16079 \@thanks
16080 \vfil\null
16081 \end{titlepage}%
16082 \setcounter{footnote}{0}%
16083 \global\let\thanks\relax
16084 \global\let\LTRthanks\relax
16085 \global\let\RTLthanks\relax
16086 \global\let\maketitle\relax
16087 \global\let\@thanks\@empty
16088 \global\let\@author\@empty
16089 \global\let\@date\@empty
16090 \global\let\@title\@empty
16091 \global\let\title\relax
16092 \global\let\author\relax
16093 \global\let\date\relax
16094 \global\let\and\relax
16095 }
16096 \else
16097 \renewcommand\maketitle{\par

```



```

16098 \begingroup
16099 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16100 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16101 \long\def\@makefntext##1{\parindent 1em\noindent
16102     \hb@xt@1.8em{%
16103         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16104 \if@twocolumn
16105     \ifnum \col@number=\@ne
16106         \@maketitle
16107     \else
16108         \twocolumn[\@maketitle]%
16109     \fi
16110 \else
16111     \newpage
16112     \global\@topnum\z@    % Prevents figures from going at top of page.
16113     \@maketitle
16114     \fi
16115     \thispagestyle{plain}\@thanks
16116 \endgroup
16117 \setcounter{footnote}{0}%
16118 \global\let\thanks\relax
16119 \global\let\LTRthanks\relax
16120 \global\let\RTLthanks\relax
16121 \global\let\maketitle\relax
16122 \global\let\@maketitle\relax
16123 \global\let\@thanks\@empty
16124 \global\let\@author\@empty
16125 \global\let\@date\@empty
16126 \global\let\@title\@empty
16127 \global\let\title\relax
16128 \global\let\author\relax
16129 \global\let\date\relax
16130 \global\let\and\relax
16131 }
16132 \def\@maketitle{%
16133     \newpage
16134     \null
16135     \vskip 2em%
16136     \begin{center}%
16137         \let \footnote \thanks
16138         \let \LTRfootnote \LTRthanks
16139         \let \RTLfootnote \RTLthanks
16140         {\LARGE \@title \par}%
16141         \vskip 1.5em%
16142         {\large
16143             \lineskip .5em%
16144             \begin{tabular}[t]{c}%
16145                 \@author
16146             \end{tabular}\par}%
16147         \vskip 1em%

```



```

16148 {\large \@date}%
16149 \end{center}%
16150 \par
16151 \vskip 1.5em}
16152 \fi
16153 \renewcommand*{\l@part[2]{%
16154 \ifnum \c@tocdepth >-2\relax
16155 \addpenalty{-\@highpenalty}%
16156 \addvspace{2.25em \@plus\p@}%
16157 \setlength\@tempdima{3em}%
16158 \begingroup
16159 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16160 \parfillskip -\@pnumwidth
16161 {\leavevmode
16162 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16163 \nobreak
16164 \global\@nobreaktrue
16165 \everypar{\global\@nobreakfalse\everypar{}}%
16166 \endgroup
16167 \fi}
16168 \renewcommand*{\l@chapter[2]{%
16169 \ifnum \c@tocdepth >\m@ne
16170 \addpenalty{-\@highpenalty}%
16171 \vskip 1.0em \@plus\p@
16172 \setlength\@tempdima{1.5em}%
16173 \begingroup
16174 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16175 \parfillskip -\@pnumwidth
16176 \leavevmode \bfseries
16177 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16178 \hskip -\if@RTL\rightskip\else\leftskip\fi
16179 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16180 \penalty\@highpenalty
16181 \endgroup
16182 \fi}
16183 \renewcommand\left@footnoterule{%
16184 \kern-3\p@
16185 \hrule\@width.4\columnwidth
16186 \kern2.6\p@}
16187 \renewcommand\right@footnoterule{%
16188 \kern-3\p@
16189 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16190 \kern2.6\p@}
16191 \renewcommand\theequation
16192 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16193 \renewcommand \thefigure
16194 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16195 \renewcommand \thetable
16196 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16197 \renewcommand \thechapter {\@arabic\c@chapter}

```



```

16198 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16199 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16200 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16201 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16202 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16203 \def\@makechapterhead#1{%
16204   \vspace*{50\p@}%
16205   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16206     \ifnum \c@secnumdepth >\m@ne
16207       \huge\bfseries \@chapapp\space \thechapter
16208       \par\nobreak
16209       \vskip 20\p@
16210     \fi
16211     \interlinepenalty\@M
16212     \Huge \bfseries #1\par\nobreak
16213     \vskip 40\p@
16214   }}
16215 \def\@makeschapterhead#1{%
16216   \vspace*{50\p@}%
16217   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16218     \normalfont
16219     \interlinepenalty\@M
16220     \Huge \bfseries #1\par\nobreak
16221     \vskip 40\p@
16222   }}
16223 \renewenvironment{thebibliography}[1]
16224   {\chapter*{\bibname}%
16225     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16226     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16227     \bidi@thebibliography@font@hook%
16228     \list{\@biblabel{\@arabic\c@enumiv}}%
16229       {\settowidth\labelwidth{\@biblabel{#1}}%
16230        \leftmargin\labelwidth
16231        \advance\leftmargin\labelsep
16232        \@openbib@code
16233        \usecounter{enumiv}%
16234        \let\p@enumiv\@empty
16235        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16236     \sloppy
16237     \clubpenalty4000
16238     \@clubpenalty \clubpenalty
16239     \widowpenalty4000%
16240     \sfcode`\.\@m}
16241 {\def\@noitemerr
16242   {\@latex@warning{Empty `thebibliography' environment}}%
16243   \endlist}

```

102 File rotating-xetex-bidi.def

```

16244 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package ]

```



```

16245 \def\end@rotfloat{%
16246   \end{minipage}\end{lrbox}%
16247   \stepcounter{r@tfl@t}%
16248   \rot@label{RF\ther@tfl@t}%
16249   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16250   \edef\@tempa{Adding sideways \@cotype\space on page \R@@page\space}
16251   \rot@mess@toks\expandafter{\@tempa}
16252   \wd\rot@float@box\z@
16253   \ht\rot@float@box\z@
16254   \dp\rot@float@box\z@
16255   \vboxL to \textheight{%
16256     \setkeys{Grot}{units=360}%
16257     \if@rot@twoside
16258       \else
16259         \let\R@@page\rot@LR
16260       \fi
16261       \ifthenelse{\isodd{\R@@page}}{%
16262         \if@rot@twoside
16263           \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16264         \fi
16265         \vfill
16266         \@@line{%
16267           \hskip\rotFPtop
16268           \rotatebox{90}{\box\rot@float@box}%
16269           \hskip\rotFPbot
16270         }%
16271       }{%
16272         \if@rot@twoside
16273           \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16274         \fi
16275         \@@line{%
16276           \hskip\rotFPbot
16277           \rotatebox{-90}{\box\rot@float@box}%
16278           \hskip\rotFPtop
16279         }%
16280         \vfill
16281       }%
16282       \rot@message{\the\rot@mess@toks}
16283     }%
16284   \end@float
16285 }
16286 \let\endsidewaysfigure\end@rotfloat
16287 \let\endsidewaystable\end@rotfloat
16288 \def\end@rotdblfloat{%
16289   \end{minipage}\end{lrbox}%
16290   \stepcounter{r@tfl@t}%
16291   \rot@label{RF\ther@tfl@t}%
16292   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16293   \edef\@tempa{Adding sideways \@cotype\space on page \R@@page\space}
16294   \rot@mess@toks\expandafter{\@tempa}

```




```

16295 \@tempdima\ht\rot@float@box
16296 \advance\@tempdima by \dp\rot@float@box
16297 \wd\rot@float@box\z@
16298 \ht\rot@float@box\z@
16299 \dp\rot@float@box\z@
16300 \vboxL to \textheight{%
16301   \setkeys{Grot}{units=360}%
16302   \if@rot@twoside
16303   \else
16304     \let\R@@page\rot@LR
16305   \fi
16306   \ifthenelse{\isodd{\R@@page}}{%
16307     \ifrot@messages
16308     \if@rot@twoside
16309     \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16310 \fi
16311   \fi
16312   \vfill
16313   \@@line{%
16314     \hskip\rotFPtop
16315     \rotatebox{90}{\box\rot@float@box}%
16316     \hskip\rotFPbot
16317   }%
16318 }{%
16319   \ifrot@messages
16320   \if@rot@twoside
16321   \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16322 \fi
16323   \fi%
16324   \@@line{%
16325     \hskip\rotFPbot
16326     \rotatebox{-90}{\box\rot@float@box}%
16327     \hskip\rotFPtop
16328   }%
16329   \vfill
16330 }%
16331 \rot@message{\the\rot@mess@toks}%
16332 }%
16333 \end@dblfloat
16334 }
16335 \def\turn#1{%
16336   \Grot@setangle{#1}%
16337   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16338 \def\endturn{%
16339   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16340   \unskip\color@endbox
16341   \Grot@x\z@
16342   \Grot@y\z@
16343   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16344 }

```



```

16345 \def\rotate#1{%
16346   \Grot@setangle{#1}%
16347   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16348 \def\endrotate{%
16349   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16350   \unskip\color@endbox
16351   \Grot@x\z@
16352   \Grot@y\z@
16353   \wd0\z@\dp0\z@\ht0\z@
16354   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16355 }
16356 \def\turnbox#1#2{%
16357   \Grot@setangle{#1}%
16358   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
16359   \Grot@x\z@\Grot@y\z@
16360   \wd0\z@\dp0\z@\ht0\z@
16361   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16362 }
16363 \def\sideways{%
16364   \Grot@setangle{90}%
16365   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16366 \def\endsideways{%
16367   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16368   \unskip\color@endbox
16369   \Grot@x\z@
16370   \Grot@y\z@
16371   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16372 }

```

103 File scrartcl-xetex-bidi.def

```

16373 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16374 \newcommand{\scr@saved@LTRfootnotetext}{}
16375 \newcommand{\scr@saved@RTLfootnotetext}{}
16376 \let\scr@saved@footnotetext\@footnotetext
16377 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16378 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16379 \renewcommand{\@footnotetext}[1]{%
16380   \scr@saved@footnotetext{#1}%
16381   \csname FN@mf@prepare\endcsname
16382 }
16383 \renewcommand{\@LTRfootnotetext}[1]{%
16384   \scr@saved@LTRfootnotetext{#1}%
16385   \csname FN@mf@prepare\endcsname
16386 }
16387 \renewcommand{\@RTLfootnotetext}[1]{%
16388   \scr@saved@RTLfootnotetext{#1}%
16389   \csname FN@mf@prepare\endcsname
16390 }
16391 \renewcommand\deffootnote[4][1]{%

```



```

16392 \long\def\@makefntext##1{%
16393   \setlength{\@tempdimc}{#3}%
16394   \def\@tempa{#1}\ifx\@tempa\@empty
16395     \setpar{\@par
16396       \@tempdima = \hsize
16397       \addtolength{\@tempdima}{-#2}%
16398       \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16399   \else
16400     \addtolength{\@tempdimc}{#2}%
16401     \addtolength{\@tempdimc}{-#1}%
16402     \setpar{\@par
16403       \@tempdima = \hsize
16404       \addtolength{\@tempdima}{-#1}%
16405       \@tempdimb = \hsize
16406       \addtolength{\@tempdimb}{-#2}%
16407       \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
16408     }%
16409   \fi
16410   \par
16411   \parindent\@tempdimc\noindent
16412   \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16413 }%
16414 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16415 }
16416 \def\footnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16417 \renewcommand*\left@footnoterule{%
16418   \normalsize\ftn@rule@test@values
16419   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16420   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16421   {\usekomafont{footnoterule}{%
16422     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16423   \kern 2.6\p@}
16424 \renewcommand*\right@footnoterule{%
16425   \normalsize\ftn@rule@test@values
16426   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16427   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16428   {\usekomafont{footnoterule}{%
16429     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16430     \kern 2.6\p@}
16431 \renewcommand*\maketitle[1][1]{%
16432   \if@titlepage
16433     \begin{titlepage}
16434       \setcounter{page}{%
16435         #1%
16436       }%
16437       \let\footnotesize\small
16438       \let\right@footnoterule\relax
16439       \let\left@footnoterule\relax
16440       \let\textwidth\footnoterule\relax
16441       \let\footnote\thanks

```



```

16442 \let\LTRfootnote\LTRthanks
16443 \let\RTLfootnote\RTLthanks
16444 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16445 \let\@oldmakefnmark\@makefnmark
16446 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
16447 \ifx\@extratitle\@empty \else
16448   \noindent\@extratitle\next@tpage\cleardoubleemptypage
16449   \thispagestyle{empty}%
16450 \fi
16451 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16452 \ifx\@titlehead\@empty \else
16453   \begin{minipage}[t]{\textwidth}%
16454     \@titlehead
16455     \end{minipage}\par
16456 \fi
16457 \null\vfill
16458 \begin{center}
16459   \ifx\@subject\@empty \else
16460     {\subject@font \@subject \par}%
16461     \vskip 3em
16462   \fi
16463   {\titlefont\huge \@title\par}%
16464   \vskip 1em
16465   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16466   \vskip 2em
16467   {\Large \lineskip 0.75em
16468     \begin{tabular}[t]{c}
16469       \@author
16470     \end{tabular}\par
16471   }%
16472   \vskip 1.5em
16473   {\Large \@date \par}%
16474   \vskip \z@ \@plus3fill
16475   {\Large \@publishers \par}%
16476   \vskip 3em
16477 \end{center}\par
16478 \@thanks
16479 \vfill\null
16480 \if@twoside\next@tpage
16481   \begin{minipage}[t]{\textwidth}
16482     \@uppertitleback
16483   \end{minipage}\par
16484   \vfill
16485   \begin{minipage}[b]{\textwidth}
16486     \@lowertitleback
16487   \end{minipage}
16488 \fi
16489 \ifx\@dedication\@empty \else
16490   \next@tpage\null\vfill
16491   {\centering \Large \@dedication \par}%

```



```

16492         \vskip \z@ \@plus3fill
16493         \if@twoside \next@tpage\cleardoubleemptypage \fi
16494     \fi
16495     \end{titlepage}
16496 \else
16497     \par
16498     \@tempcnta=%
16499     #1%
16500     \relax\ifnum \@tempcnta=1\else
16501         \ClassWarning{KOMAClassName}{%
16502             Optional argument of \string\maketitle\space ignored
16503             at\MessageBreak
16504             notitlepage-mode%
16505         }%
16506     \fi
16507     \begin{group}
16508         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16509         \let\oldmakefnmark\makefnmark
16510         \renewcommand*\@makefnmark{\rlap\oldmakefnmark}
16511         \if@twocolumn
16512             \ifnum \col@number=\@ne
16513                 \@maketitle
16514             \else
16515                 \twocolumn[\@maketitle]%
16516             \fi
16517         \else
16518             \newpage
16519             \global\@topnum\z@
16520             \@maketitle
16521         \fi
16522         \thispagestyle{\titlepagestyle}\@thanks
16523     \end{group}
16524 \fi
16525 \setcounter{footnote}{0}%
16526 \let\thanks\relax
16527 \let\LTRthanks\relax
16528 \let\RTLthanks\relax
16529 \let\maketitle\relax
16530 \let\@maketitle\relax
16531 \global\let\@thanks\@empty
16532 \global\let\@author\@empty
16533 \global\let\@date\@empty
16534 \global\let\@title\@empty
16535 \global\let\@subtitle\@empty
16536 \global\let\@extratitle\@empty
16537 \global\let\@titlehead\@empty
16538 \global\let\@subject\@empty
16539 \global\let\@publishers\@empty
16540 \global\let\@uppertitleback\@empty
16541 \global\let\@lowertitleback\@empty

```



```

16542 \global\let\@dedication\@empty
16543 \global\let\author\relax
16544 \global\let\title\relax
16545 \global\let\extratitle\relax
16546 \global\let\titlehead\relax
16547 \global\let\subject\relax
16548 \global\let\publishers\relax
16549 \global\let\uppertitleback\relax
16550 \global\let\lowertitleback\relax
16551 \global\let\dedication\relax
16552 \global\let\date\relax
16553 \global\let\and\relax
16554 }%
16555 \renewcommand*{\@maketitle}{%
16556   \clearpage
16557   \let\footnote\thanks
16558   \let\LTRfootnote\LTRthanks
16559   \let\RTLfootnote\RTLthanks
16560   \ifx\@extratitle\@empty \else
16561     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16562   \fi
16563   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16564   \ifx\@titlehead\@empty \else
16565     \begin{minipage}[t]{\textwidth}
16566       \@titlehead
16567     \end{minipage}\par
16568   \fi
16569   \null
16570   \vskip 2em%
16571   \begin{center}%
16572     \ifx\@subject\@empty \else
16573       {\subject@font \@subject \par}
16574       \vskip 1.5em
16575     \fi
16576     {\titlefont\huge \@title \par}%
16577     \vskip .5em
16578     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16579     \vskip 1em
16580     {\Large
16581       \lineskip .5em%
16582       \begin{tabular}[t]{c}
16583         \@author
16584       \end{tabular}\par
16585     }%
16586     \vskip 1em%
16587     {\Large \@date \par}%
16588     \vskip \z@ \@plus 1em
16589     {\Large \@publishers \par}
16590     \ifx\@dedication\@empty \else
16591       \vskip 2em

```



```

16592      {\Large \@dedication \par}
16593      \fi
16594    \end{center}%
16595    \par
16596    \vskip 2em
16597  }%
16598  \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16599  \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
16600  \renewcommand*{\autodot}{\if@altsecnumformat\@SepMark\fi}
16601  \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
16602  \renewcommand*{\thesubsubsection}{%
16603    \thesubsection\@SepMark\@arabic\c@subsubsection
16604  }
16605  \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16606  \renewcommand*{\thesubparagraph}{%
16607    \theparagraph\@SepMark\@arabic\c@subparagraph
16608  }
16609  \renewenvironment{thebibliography}[1]{%
16610    \if@bib@break@
16611      \bib@beginhook
16612    \else
16613      \bib@heading
16614      \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16615        \noindent\bibpreamble\par\nobreak
16616      \fi\fi
16617      \bib@beginhook
16618      \bib@before@hook
16619    \fi
16620    \renewcommand{\BreakBibliography}[1]{%
16621      \@bib@break
16622      \end{thebibliography}%
16623      \begingroup ##1\endgroup
16624      \begin{thebibliography}{#1}
16625    }%
16626    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16627    \bidi@thebibliography@font@hook%
16628    \list{%
16629      \@biblabel{\@arabic\c@enumiv}%
16630    }{%
16631      \settowidth\labelwidth{\@biblabel{#1}}%
16632      \leftmargin\labelwidth
16633      \advance\leftmargin\labelsep
16634      \@openbib@code
16635      \if@bib@break@
16636        \edef\@tempa{%
16637          \noexpand\usecounter{enumiv}%
16638          \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16639        }\@tempa
16640        \no@bib@break
16641      \else

```



```

16642     \usecounter{enumiv}%
16643     \fi
16644     \let\p@enumiv\@empty
16645     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16646 }%
16647 \sloppy\clubpenalty4000 \widowpenalty4000
16648 \sfcode`\.=\@m
16649 }{%
16650 \if@bib@break@
16651   \def\@noitemerr{%
16652     \@latex@warning{%
16653       \string\BreakBibliography\space at begin of `thebibliography'
16654       environment\MessageBreak
16655       or following \string\BreakBibliography}%
16656   }%
16657 \else
16658   \def\@noitemerr{%
16659     \@latex@warning{%
16660       Empty `thebibliography' environment or
16661       \string\BreakBibliography\MessageBreak
16662       before end of `thebibliography' environment}%
16663   }%
16664 \fi
16665 \endlist
16666 \if@bib@break@
16667 \else
16668   \bib@after@hook
16669   \let\bib@before@hook\@empty
16670   \let\bib@after@hook\@empty
16671 \fi
16672 \bib@endhook
16673 }
16674 \renewcommand*\left@footnoterule{%
16675   \kern-3\p@
16676   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16677   \hrule\@width.4\columnwidth
16678   \kern 2.6\p@}
16679 \renewcommand*\right@footnoterule{%
16680   \kern-3\p@
16681   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16682   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16683   \kern2.6\p@}
16684 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
16685 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
16686 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
16687 \renewcommand\marginline[1]{%
16688   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16689 }
16690 \renewcommand{\@@makecaption}[3]{%
16691   \cap@margin

```




```

16692 \ifonelinecaptions
16693   \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16694   \let\scr@tmp@footnotetext=\@footnotetext
16695   \let\@footnotetext=\@gobble
16696   \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16697   \let\@LTRfootnotetext=\@gobble
16698   \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16699   \let\@RTLfootnotetext=\@gobble
16700   \sbox\@tempboxa{%
16701     {\capfont{\strut\ignorespaces
16702       #1{\caplabelfont{#2\captionformat}}}%
16703       #3\unskip\strut}}%
16704   }%
16705   \let\@footnotetext=\scr@tmp@footnotetext
16706   \let\scr@tmp@footnotetext=\undefined
16707   \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16708   \let\scr@tmp@LTRfootnotetext=\undefined
16709   \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16710   \let\scr@tmp@RTLfootnotetext=\undefined
16711   \setcounter{footnote}{\@tempcntb}%
16712   \setcounter{mpfootnote}{\@tempcnta}%
16713 \else
16714   \sbox\@tempboxa{\hspace*{2\cap@width}}%
16715 \fi
16716 \begingroup%
16717   \setlength{\@tempdima}{\cap@width}%
16718   \ifdim \wd\@tempboxa >\@tempdima
16719     \hb@xt@\hsize{%
16720       \setbox\@tempboxa\vbox{\hsize=\cap@width
16721         \ifdofullc@p
16722           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16723             #1{\caplabelfont{#2\captionformat}}}}}%
16724             #3\unskip\strut\par}}}%
16725         \else%
16726           \ifdim\cap@indent<\z@
16727             {\capfont{\strut\ignorespaces
16728               #1{\caplabelfont{#2\captionformat\par}}}%
16729               \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16730           \else%
16731             \if@capbreak
16732               {\capfont{\strut\ignorespaces
16733                 #1{\caplabelfont{#2\captionformat\par}}}%
16734                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16735             \else
16736               {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
16737                 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16738                   {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
16739             \fi
16740           \fi
16741     \fi

```



```

16742     }%
16743     \setlength{\@tempdima}{\ht\@tempboxa}%
16744     \addtolength{\@tempdima}{\dp\@tempboxa}%
16745     \addtolength{\@tempdima}{-\ht\strutbox}%
16746     \ht\@tempboxa\ht\strutbox
16747     \dp\@tempboxa\@tempdima
16748     \strut\cap@left
16749     \box\@tempboxa
16750     \cap@right\strut
16751   }%
16752   \else
16753     \global \@minipagefalse
16754     \sbox\@tempboxa{%
16755       {\capfont{\scr@smashdp{\strut\ignorespaces
16756         #1{\caplabelfont{#2\captionformat}}}}}%
16757       #3}}%
16758   }%
16759   {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
16760   \fi
16761   \endgroup
16762 }
16763 \renewcommand{\@makecaption}[2]{%
16764   \if@captionabove
16765     \vskip\belowcaptionskip
16766   \else
16767     \vskip\abovecaptionskip
16768   \fi
16769   @@makecaption\@firstofone{#1}{#2}%
16770   \if@captionabove
16771     \vskip\abovecaptionskip
16772   \else
16773     \vskip\belowcaptionskip
16774   \fi
16775 }
16776 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16777   \@ifpackageloaded{caption2}{\@komalongtablefalse
16778     \scr@caption@before@longtable@warning{caption2}%
16779   }{}%
16780   \if@komalongtable
16781     \renewcommand{\LT@makecaption}[3]{%
16782       \noalign{%
16783         \if@captionabove
16784           \vskip\belowcaptionskip
16785         \else
16786           \vskip\abovecaptionskip
16787         \fi
16788       }%
16789       \LT@mcol\LT@cols c{%
16790         \hbox to\z@{\hss\parbox[t]{\linewidth{%
16791           \@makecaption{#1}{#2}{#3}%

```



```

16792         \endgraf
16793         \if@captionabove
16794             \vskip\abovecaptionskip
16795         \else
16796             \vskip\belowcaptionskip
16797         \fi
16798     }%
16799     \hss
16800 }%
16801 }%
16802 }%
16803 \renewcommand*{\scr@LT@array}{}%
16804 \let\scr@LT@array=\LT@array
16805 \renewcommand*{\LT@array}{%
16806     \let\scr@caption=\LT@caption
16807     \def\captionabove{\noalign{\global\@captionabovetrue}%
16808         \scr@caption}%
16809     \def\captionbelow{\noalign{\global\@captionabovetrue}%
16810         \scr@caption}%
16811     \if@tablecaptionabove
16812         \let\LT@caption=\captionabove
16813     \else
16814         \let\LT@caption=\captionbelow
16815     \fi
16816     \scr@LT@array
16817 }%
16818 \ClassInfo{\KOMAClassName}{%
16819     longtable captions redefined%
16820 }%
16821 \fi
16822 }
16823
16824 \CloneTOCEntryStyle{tocline}{part}
16825 \TOCEntryStyleStartInitCode{part}{%
16826     \expandafter\renewcommand%
16827     \csname scr@tso@#1@linefill\endcsname{\hfill}%
16828     \expandafter\renewcommand%
16829     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16830     \expandafter\renewcommand%
16831     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16832         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16833     \expandafter\renewcommand\expandafter*%
16834     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
16835 }
16836
16837 \CloneTOCEntryStyle{tocline}{section}
16838 \TOCEntryStyleStartInitCode{section}{%
16839     \expandafter\renewcommand%
16840     \csname scr@tso@#1@linefill\endcsname{%
16841         \if@sectionentrywithdots

```



```

16842      \TOCLineLeaderFill\relax
16843      \else
16844      \hfill
16845      \fi
16846    }%
16847    % F^^fcr die Eintr^^e4ge die Schrift von Element sectionentry verwenden.
16848    \expandafter\renewcommand%
16849    \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
16850    \expandafter\renewcommand%
16851    \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se
16852    \expandafter\renewcommand\expandafter*%
16853    \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16854  }
16855
16856  \CloneTOCEntryStyle{tocline}{subsection}
16857  \TOCEntryStyleStartInitCode{subsection}{%
16858    \expandafter\renewcommand%
16859    \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16860  }
16861
16862  \CloneTOCEntryStyle{subsection}{default}
16863
16864  \DeclareSectionCommand[%
16865    style=part,%
16866    level=\z@,%
16867    tocstyle=part,%
16868    toclevel=\m@ne,%
16869    tocindent=\z@,%
16870    tocnumwidth=2em%
16871  ]{part}
16872  \DeclareSectionCommand[%
16873    style=section,%
16874    level=1,%
16875    indent=\z@,%
16876    beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
16877    afterskip=2.3ex \@plus .2ex,%
16878    tocstyle=section,%
16879    tocindent=0pt,%
16880    tocnumwidth=1.5em%
16881  ]{section}
16882  \DeclareSectionCommand[%
16883    style=section,%
16884    level=2,%
16885    indent=\z@,%
16886    beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16887    afterskip=1.5ex \@plus .2ex,%
16888    tocstyle=subsection,%
16889    tocindent=1.5em,%
16890    tocnumwidth=2.3em%
16891  ]{subsection}

```



```

16892 \DeclareSectionCommand[%
16893   style=section,%
16894   level=3,%
16895   indent=\z@,%
16896   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16897   afterskip=1.5ex \@plus .2ex,%
16898   tocstyle=subsection,%
16899   tocindent=3.8em,%
16900   tocnumwidth=3.2em%
16901 ]{subsubsection}
16902 \DeclareSectionCommand[%
16903   style=section,%
16904   level=4,%
16905   indent=\z@,%
16906   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
16907   afterskip=-1em,%
16908   tocstyle=subsection,%
16909   tocindent=7.0em,%
16910   tocnumwidth=4.1em%
16911 ]{paragraph}
16912 \DeclareSectionCommand[%
16913   style=section,%
16914   level=5,%
16915   indent=\scr@parindent,%
16916   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
16917   afterskip=-1em,%
16918   tocstyle=subsection,%
16919   tocindent=10em,%
16920   tocnumwidth=5em%
16921 ]{subparagraph}

```

104 File scrbook-xetex-bidi.def

```

16922 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for X
16923 \newcommand{\scr@saved@LTRfootnotetext}{}
16924 \newcommand{\scr@saved@RTLfootnotetext}{}
16925 \let\scr@saved@footnotetext\@footnotetext
16926 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16927 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16928 \renewcommand{\@footnotetext}[1]{%
16929   \scr@saved@footnotetext{#1}%
16930   \csname FN@mf@prepare\endcsname
16931 }
16932 \renewcommand{\@LTRfootnotetext}[1]{%
16933   \scr@saved@LTRfootnotetext{#1}%
16934   \csname FN@mf@prepare\endcsname
16935 }
16936 \renewcommand{\@RTLfootnotetext}[1]{%
16937   \scr@saved@RTLfootnotetext{#1}%
16938   \csname FN@mf@prepare\endcsname

```



```

16939 }
16940 \renewcommand\deffootnote[4] [] {%
16941   \long\def\@makefnmark##1{%
16942     \setlength{\@tempdimc}{#3}%
16943     \def\@tempa{#1}\ifx\@tempa\@empty
16944       \setpar{\@par
16945         \@tempdima = \hsize
16946         \addtolength{\@tempdima}{-#2}%
16947         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16948     \else
16949       \addtolength{\@tempdimc}{#2}%
16950       \addtolength{\@tempdimc}{-#1}%
16951       \setpar{\@par
16952         \@tempdima = \hsize
16953         \addtolength{\@tempdima}{-#1}%
16954         \@tempdimb = \hsize
16955         \addtolength{\@tempdimb}{-#2}%
16956         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb}%
16957     }%
16958   \fi
16959   \par
16960   \parindent\@tempdimc\noindent
16961   \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16962 }%
16963 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16964 }
16965 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16966 \renewcommand*\left@footnoterule{%
16967   \normalsize\ftn@rule@test@values
16968   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16969   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16970   {\usekomafont{footnoterule}{%
16971     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16972   \kern 2.6\p@}
16973 \renewcommand*\right@footnoterule{%
16974   \normalsize\ftn@rule@test@values
16975   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16976   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16977   {\usekomafont{footnoterule}{%
16978     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16979     \kern 2.6\p@}
16980 \renewcommand*\maketitle[1] [1] {%
16981   \if@titlepage
16982     \begin{titlepage}
16983       \setcounter{page}{%
16984         #1%
16985       }%
16986       \let\footnotesize\small
16987       \let\right@footnoterule\relax
16988       \let\left@footnoterule\relax

```



```

16989 \let\textwidth@footnoterule\relax
16990 \let\footnote\thanks
16991 \let\LTRfootnote\LTRthanks
16992 \let\RTLfootnote\RTLthanks
16993 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16994 \let\@oldmakefnmark\@makefnmark
16995 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
16996 \ifx\@extratitle\@empty \else
16997   \noindent\@extratitle\next@tpage\cleardoubleemptypage
16998   \thispagestyle{empty}%
16999 \fi
17000 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17001 \ifx\@titlehead\@empty \else
17002   \begin{minipage}[t]{\textwidth}%
17003     \@titlehead
17004   \end{minipage}\par
17005 \fi
17006 \null\vfill
17007 \begin{center}
17008   \ifx\@subject\@empty \else
17009     {\subject@font \@subject \par}%
17010     \vskip 3em
17011   \fi
17012   {\titlefont\huge \@title\par}%
17013   \vskip 1em
17014   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17015   \vskip 2em
17016   {\Large \lineskip 0.75em
17017     \begin{tabular}[t]{c}
17018       \@author
17019     \end{tabular}\par
17020   }%
17021   \vskip 1.5em
17022   {\Large \@date \par}%
17023   \vskip \z@ \@plus3fill
17024   {\Large \@publishers \par}%
17025   \vskip 3em
17026 \end{center}\par
17027 \@thanks
17028 \vfill\null
17029 \if@twoside\next@tpage
17030   \begin{minipage}[t]{\textwidth}
17031     \@uppertitleback
17032   \end{minipage}\par
17033   \vfill
17034   \begin{minipage}[b]{\textwidth}
17035     \@lowertitleback
17036   \end{minipage}
17037 \fi
17038 \ifx\@dedication\@empty \else

```



```

17039         \next@tpage\null\vfill
17040         {\centering \Large \@dedication \par}%
17041         \vskip \z@ \@plus3fill
17042         \if@twoside \next@tpage\cleardoubleemptypage \fi
17043     \fi
17044     \end{titlepage}
17045 \else
17046     \par
17047     \@tempcnta=%
17048     #1%
17049     \relax\ifnum\@tempcnta=1\else
17050         \ClassWarning{\KOMAClassName}{%
17051             Optional argument of \string\maketitle\space ignored
17052             at\MessageBreak
17053             notitlepage-mode%
17054         }%
17055     \fi
17056     \begingroup
17057         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17058         \let\@oldmakefnmark\@makefnmark
17059         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17060         \if@twocolumn
17061             \ifnum \col@number=\@one
17062                 \@maketitle
17063             \else
17064                 \twocolumn[\@maketitle]%
17065             \fi
17066         \else
17067             \newpage
17068             \global\@topnum\z@
17069             \@maketitle
17070         \fi
17071         \thispagestyle{\titlepagestyle}\@thanks
17072     \endgroup
17073 \fi
17074 \setcounter{footnote}{0}%
17075 \let\thanks\relax
17076 \let\LTRthanks\relax
17077 \let\RTLthanks\relax
17078 \let\maketitle\relax
17079 \let\@maketitle\relax
17080 \global\let\@thanks\@empty
17081 \global\let\@author\@empty
17082 \global\let\@date\@empty
17083 \global\let\@title\@empty
17084 \global\let\@subtitle\@empty
17085 \global\let\@extratitle\@empty
17086 \global\let\@titlehead\@empty
17087 \global\let\@subject\@empty
17088 \global\let\@publishers\@empty

```




```

17089 \global\let\@uppertitleback\@empty
17090 \global\let\@lowertitleback\@empty
17091 \global\let\@dedication\@empty
17092 \global\let\author\relax
17093 \global\let\title\relax
17094 \global\let\extratitle\relax
17095 \global\let\titlehead\relax
17096 \global\let\subject\relax
17097 \global\let\publishers\relax
17098 \global\let\uppertitleback\relax
17099 \global\let\lowertitleback\relax
17100 \global\let\dedication\relax
17101 \global\let\date\relax
17102 \global\let\and\relax
17103 }%
17104 \renewcommand*{\@maketitle}{%
17105 \clearpage
17106 \let\footnote\thanks
17107 \let\LTRfootnote\LTRthanks
17108 \let\RTLfootnote\RTLthanks
17109 \ifx\@extratitle\@empty \else
17110 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17111 \fi
17112 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17113 \ifx\@titlehead\@empty \else
17114 \begin{minipage}[t]{\textwidth}
17115 \@titlehead
17116 \end{minipage}\par
17117 \fi
17118 \null
17119 \vskip 2em%
17120 \begin{center}%
17121 \ifx\@subject\@empty \else
17122 {\subject@font \@subject \par}
17123 \vskip 1.5em
17124 \fi
17125 {\titlefont\huge \@title \par}%
17126 \vskip .5em
17127 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17128 \vskip 1em
17129 {\Large
17130 \lineskip .5em%
17131 \begin{tabular}[t]{c}
17132 \@author
17133 \end{tabular}\par
17134 }%
17135 \vskip 1em%
17136 {\Large \@date \par}%
17137 \vskip \z@ \@plus 1em
17138 {\Large \@publishers \par}

```



```

17139 \ifx\@dedication\@empty \else
17140 \vskip 2em
17141 {\Large \@dedication \par}
17142 \fi
17143 \end{center}%
17144 \par
17145 \vskip 2em
17146 }%
17147 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17148 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17149 \renewcommand*\thesection{%
17150 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17151 \if@mainmatter\thechapter\@SepMark\fi
17152 \else
17153 \thechapter\@SepMark%
17154 \fi
17155 \@arabic\c@section
17156 }
17157 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
17158 \renewcommand*\thesubsubsection{%
17159 \thesubsection\@SepMark\@arabic\csubsubsection
17160 }
17161 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
17162 \renewcommand*\thesubparagraph{%
17163 \theparagraph\@SepMark\@arabic\csubparagraph
17164 }
17165 \renewcommand*\thefigure{%
17166 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17167 \if@mainmatter\thechapter\@SepMark\fi
17168 \else
17169 \thechapter\@SepMark%
17170 \fi
17171 \@arabic\c@figure
17172 }
17173 \renewcommand*\thetable{%
17174 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17175 \if@mainmatter\thechapter\@SepMark\fi
17176 \else
17177 \thechapter\@SepMark%
17178 \fi
17179 \@arabic\c@table
17180 }
17181 \renewcommand*\theequation{%
17182 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17183 \if@mainmatter\thechapter\@SepMark\fi
17184 \else
17185 \thechapter\@SepMark%
17186 \fi
17187 \@arabic\c@equation
17188 }

```



```

17189 \renewenvironment{thebibliography}[1]{%
17190   \if@bib@break@
17191   \bib@beginhook
17192 \else
17193   \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17194     \setchapterpreamble{\bibpreamble}%
17195   \fi\fi
17196   \bib@heading
17197   \bib@beginhook
17198   \bib@before@hook
17199 \fi
17200 \renewcommand{\BreakBibliography}[1]{%
17201   \@bib@break
17202   \end{thebibliography}%
17203   \begingroup ##1\endgroup
17204   \begin{thebibliography}{#1}
17205 }%
17206 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17207 \bidi@thebibliography@font@hook%
17208 \list{%
17209   \@biblabel{\@arabic\c@enumiv}%
17210 }{%
17211   \settowidth\labelwidth{\@biblabel{#1}}%
17212   \leftmargin\labelwidth
17213   \advance\leftmargin\labelsep
17214   \@openbib@code
17215   \if@bib@break@
17216     \edef\@tempa{%
17217       \noexpand\usecounter{enumiv}%
17218       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17219     }\@tempa
17220     \no@bib@break
17221   \else
17222     \usecounter{enumiv}%
17223   \fi
17224   \let\p@enumiv\@empty
17225   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17226 }%
17227 \sloppy\clubpenalty4000 \widowpenalty4000
17228 \sfcode`\.=\@m
17229 }{%
17230 \if@bib@break@
17231   \def\@noitemerr{%
17232     \@latex@warning{%
17233       \string\BreakBibliography\space at begin of `thebibliography'
17234       environment\MessageBreak
17235       or following \string\BreakBibliography}%
17236   }%
17237 \else
17238   \def\@noitemerr{%

```



```

17239 \latex@warning{%
17240     Empty `thebibliography' environment or
17241     \string\BreakBibliography\MessageBreak
17242     before end of `thebibliography' environment}%
17243 }%
17244 \fi
17245 \endlist
17246 \if@bib@break@
17247 \else
17248     \bib@after@hook
17249     \let\bib@before@hook\@empty
17250     \let\bib@after@hook\@empty
17251 \fi
17252 \bib@endhook
17253 }
17254 \renewcommand*\left@footnoterule{%
17255     \kern-3\p@
17256     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17257     \hrule\@width.4\columnwidth
17258     \kern 2.6\p@}
17259 \renewcommand*\right@footnoterule{%
17260     \kern-3\p@
17261     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17262     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17263     \kern2.6\p@}
17264 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
17265 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
17266 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
17267 \renewcommand\marginline[1]{%
17268     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17269 }
17270 \renewcommand{\@makecaption}[3]{%
17271     \cap@margin
17272     \ifonelinecaptions
17273         \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17274         \let\scr@tmp@footnotetext=\@footnotetext
17275         \let\@footnotetext=\@gobble
17276         \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17277         \let\@LTRfootnotetext=\@gobble
17278         \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17279         \let\@RTLfootnotetext=\@gobble
17280         \sbox\@tempboxa{%
17281             {\capfont{\strut\ignorespaces
17282                 #1{\@caplabelfont{#2\captionformat}}}%
17283                 #3\unskip\strut}}%
17284         }%
17285         \let\@footnotetext=\scr@tmp@footnotetext
17286         \let\scr@tmp@footnotetext=\undefined
17287         \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17288         \let\scr@tmp@LTRfootnotetext=\undefined

```



```

17289 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17290 \let\scr@tmp@RTLfootnotetext=\undefined
17291 \setcounter{footnote}{\@tempcntb}%
17292 \setcounter{mpfootnote}{\@tempcnta}%
17293 \else
17294 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17295 \fi
17296 \begingroup%
17297 \setlength{\@tempdima}{\cap@width}%
17298 \ifdim \wd\@tempboxa >\@tempdima
17299 \hb@xt@\hsize{%
17300 \setbox\@tempboxa\vbox{\hsize=\cap@width
17301 \ifdoofullc@p
17302 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17303 #1{\caplabelfont{#2\captionformat}}}}}%
17304 {#3\unskip\strut\par}}}%
17305 \else%
17306 \ifdim\cap@indent<\z@
17307 {\capfont{\strut\ignorespaces
17308 #1{\caplabelfont{#2\captionformat\par}}}%
17309 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17310 \else%
17311 \if@capbreak
17312 {\capfont{\strut\ignorespaces
17313 #1{\caplabelfont{#2\captionformat\par}}}%
17314 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17315 \else
17316 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17317 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17318 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17319 \fi
17320 \fi
17321 \fi
17322 }%
17323 \setlength{\@tempdima}{\ht\@tempboxa}%
17324 \addtolength{\@tempdima}{\dp\@tempboxa}%
17325 \addtolength{\@tempdima}{-\ht\strutbox}%
17326 \ht\@tempboxa\ht\strutbox
17327 \dp\@tempboxa\@tempdima
17328 \strut\cap@left
17329 \box\@tempboxa
17330 \cap@right\strut
17331 }%
17332 \else
17333 \global \@minipagefalse
17334 \sbox\@tempboxa{%
17335 {\capfont{\scr@smashdp{\strut\ignorespaces
17336 #1{\caplabelfont{#2\captionformat}}}}}%
17337 #3}%
17338 }%

```



```

17339     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\c
17340     \fi
17341     \endgroup
17342 }
17343 \renewcommand{\@makecaption}[2]{%
17344   \if@captionabove
17345     \vskip\belowcaptionskip
17346   \else
17347     \vskip\abovecaptionskip
17348   \fi
17349   @@makecaption\@firstofone{#1}{#2}%
17350   \if@captionabove
17351     \vskip\abovecaptionskip
17352   \else
17353     \vskip\belowcaptionskip
17354   \fi
17355 }
17356 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17357   \@ifpackageloaded{caption2}{\@komalongtablefalse
17358     \scr@caption@before@longtable@warning{caption2}%
17359   }{}%
17360   \if@komalongtable
17361     \renewcommand{\LT@makecaption}[3]{%
17362       \noalign{%
17363         \if@captionabove
17364           \vskip\belowcaptionskip
17365         \else
17366           \vskip\abovecaptionskip
17367         \fi
17368       }%
17369       \LT@mcol\LT@cols c{%
17370         \hbox to\z@{\hss\parbox[t]{\linewidth{%
17371           \@makecaption{#1}{#2}{#3}%
17372         \endgraf
17373         \if@captionabove
17374           \vskip\abovecaptionskip
17375         \else
17376           \vskip\belowcaptionskip
17377         \fi
17378       }%
17379       \hss
17380     }%
17381   }%
17382 }%
17383 \renewcommand*{\scr@LT@array}{}%
17384 \let\scr@LT@array=\LT@array
17385 \renewcommand*{\LT@array}{%
17386   \let\scr@caption=\LT@caption
17387   \def\captionabove{\noalign{\global\@captionabovetrue}%
17388     \scr@caption}%

```



```

17389 \def\captionbelow{\noalign{\global\@captionabovefalse}%
17390 \scr@caption}%
17391 \if@tablecaptionabove
17392 \let\LT@caption=\captionabove
17393 \else
17394 \let\LT@caption=\captionbelow
17395 \fi
17396 \scr@LT@array
17397 }%
17398 \ClassInfo{\KOMAClassName}{%
17399 longtable captions redefined%
17400 }%
17401 \fi
17402 }
17403
17404 \CloneTOCEntryStyle{tocline}{part}
17405 \TOCEntryStyleStartInitCode{part}{%
17406 \expandafter\renewcommand%
17407 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17408 \expandafter\renewcommand%
17409 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17410 \expandafter\renewcommand%
17411 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17412 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17413 \expandafter\renewcommand\expandafter*%
17414 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17415 }
17416
17417 \CloneTOCEntryStyle{tocline}{chapter}
17418 \TOCEntryStyleStartInitCode{chapter}{%
17419 \expandafter\renewcommand%
17420 \csname scr@tso@#1@linefill\endcsname{%
17421 \if@chapterentrywithdots
17422 \TOCLineLeaderFill\relax
17423 \else
17424 \hfill
17425 \fi
17426 }%
17427 \expandafter\renewcommand%
17428 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17429 \expandafter\renewcommand%
17430 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17431 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17432 \expandafter\renewcommand\expandafter*%
17433 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17434 }
17435
17436 \CloneTOCEntryStyle{tocline}{section}
17437 \TOCEntryStyleStartInitCode{section}{%
17438 \expandafter\renewcommand%

```



```

17439 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17440 }
17441
17442 \CloneTOCEntryStyle{section}{default}
17443
17444 \DeclareSectionCommand[%
17445   style=part,%
17446   level=\m@ne,%
17447   pagestyle=plain,%
17448   tocstyle=part,%
17449   toplevel=\m@ne,%
17450   tocindent=\z@,%
17451   tocnumwidth=2em%
17452 ]{part}
17453 \DeclareSectionCommand[%
17454   style=chapter,%
17455   level=\z@,%
17456   pagestyle=plain,%
17457   tocstyle=chapter,%
17458   tocindent=\z@,%
17459   tocnumwidth=1.5em%
17460 ]{chapter}
17461 \DeclareSectionCommand[%
17462   style=section,%
17463   level=1,%
17464   indent=\z@,%
17465   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17466   afterskip=2.3ex \@plus .2ex,%
17467   tocstyle=section,%
17468   tocindent=1.5em,%
17469   tocnumwidth=2.3em%
17470 ]{section}
17471 \DeclareSectionCommand[%
17472   style=section,%
17473   level=2,%
17474   indent=\z@,%
17475   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17476   afterskip=1.5ex \@plus .2ex,%
17477   tocstyle=section,%
17478   tocindent=3.8em,%
17479   tocnumwidth=3.2em%
17480 ]{subsection}
17481 \DeclareSectionCommand[%
17482   style=section,%
17483   level=3,%
17484   indent=\z@,%
17485   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17486   afterskip=1.5ex \@plus .2ex,%
17487   tocstyle=section,%
17488   tocindent=7.0em,%

```




```

17489   tocnumwidth=4.1em%
17490 ]{subsubsection}
17491 \DeclareSectionCommand[%
17492   style=section,%
17493   level=4,%
17494   indent=\z@,%
17495   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
17496   afterskip=-1em,%
17497   tocstyle=section,%
17498   tocindent=10em,%
17499   tocnumwidth=5em%
17500 ]{paragraph}
17501 \DeclareSectionCommand[%
17502   style=section,%
17503   level=5,%
17504   indent=\scr@parindent,%
17505   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
17506   afterskip=-1em,%
17507   tocstyle=section,%
17508   tocindent=12em,%
17509   tocnumwidth=6em%
17510 ]{subparagraph}
17511
17512

```

105 File scrlettr-xetex-bidi.def

```

17513 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17514 \renewcommand\deffootnote[4][]{%
17515   \long\def\@makefnmark##1{%
17516     \edef\@tempa{#1}\ifx\@tempa\@empty
17517       \setpar{\@par
17518         \@tempdima = \hsize
17519         \addtolength{\@tempdima}{-#2}
17520         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17521     \else
17522       \setpar{\@par
17523         \@tempdima = \hsize
17524         \addtolength{\@tempdima}{-#1}
17525         \@tempdimb = \hsize
17526         \addtolength{\@tempdimb}{-#2}
17527         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17528       \fi
17529       \par
17530       \parindent #3\noindent
17531       \hbox to \z@{\hss\@makefnmark}##1}
17532   \def\@makefnmark{\hbox{#4}}
17533 }
17534 \deffootnote[1em]{1.5em}{1em}
17535 {\textsuperscript{\thefootnotemark}}

```



```

17536 \def\left@footnoterule{\kern-1\p@
17537 \hrule width 0.4\columnwidth
17538 \kern .6\p@}
17539 \def\right@footnoterule{%
17540 \kern-1\p@
17541 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17542 \kern .6\p@}
17543 \def\@datefield{\@reffalse
17544 \ifx\varyourref\@empty \else \@reftrue \fi
17545 \ifx\varyourmail\@empty \else \@reftrue \fi
17546 \ifx\varmyref\@empty \else \@reftrue \fi
17547 \ifx\varcustomer\@empty \else \@reftrue \fi
17548 \ifx\varinvoice\@empty \else \@reftrue \fi
17549 \ifx\varrefitemi\@empty \else \@reftrue \fi
17550 \ifx\varrefitemii\@empty \else \@reftrue \fi
17551 \ifx\varrefitemiii\@empty \else \@reftrue \fi
17552 \vskip -\parskip
17553 \vskip \refvskip
17554 \if@ref
17555 \ifx\varyourref\@empty \else
17556 \settowidth{\sc@temp}{\varyourref}
17557 \setbox0\hbox{\scriptsize \sf \yourrefname}
17558 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17559 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
17560 \fi
17561 \ifx\varyourmail\@empty \else
17562 \settowidth{\sc@temp}{\varyourmail}
17563 \setbox0\hbox{\scriptsize \sf \yourmailname}
17564 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17565 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
17566 \fi
17567 \ifx\varmyref\@empty \else
17568 \settowidth{\sc@temp}{\varmyref}
17569 \setbox0\hbox{\scriptsize \sf \myrefname}
17570 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17571 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
17572 \fi
17573 \ifx\varcustomer\@empty \else
17574 \settowidth{\sc@temp}{\varcustomer}
17575 \setbox0\hbox{\scriptsize \sf \customername}
17576 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17577 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
17578 \fi
17579 \ifx\varinvoice\@empty \else
17580 \settowidth{\sc@temp}{\varinvoice}
17581 \setbox0\hbox{\scriptsize \sf \invoicename}
17582 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17583 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
17584 \fi
17585 \ifx\varrefitemi\@empty \else

```



```

17586 \settowidth{\sc@temp}{\varrefitemi}
17587 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
17588 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17589 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
17590 \fi
17591 \ifx\varrefitemii\@empty \else
17592 \settowidth{\sc@temp}{\varrefitemii}
17593 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
17594 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17595 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
17596 \fi
17597 \ifx\varrefitemiii\@empty \else
17598 \settowidth{\sc@temp}{\varrefitemiii}
17599 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
17600 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17601 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
17602 \fi
17603 \ifx\@date\@empty \else
17604 \settowidth{\sc@temp}{\@date}
17605 \setbox0\hbox{\scriptsize \sf \datename}
17606 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17607 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
17608 \fi
17609 \par
17610 \vspace{2.5\baselineskip}
17611 \else
17612 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
17613 \vspace{1.5\baselineskip}
17614 \fi}
17615 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
17616 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
17617 -\sigindent \hspace{\sigindent}}%
17618 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}\\[\presigskip]
17619 \fromsig\strut}\par
17620 \vspace{1.5\baselineskip}}

```

106 File scrreprt-xetex-bidi.def

```

17621 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
17622 \newcommand{\scr@saved@LTRfootnotetext}{}
17623 \newcommand{\scr@saved@RTLfootnotetext}{}
17624 \let\scr@saved@footnotetext\@footnotetext
17625 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17626 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17627 \renewcommand{\@footnotetext}[1]{%
17628 \scr@saved@footnotetext{#1}%
17629 \csname FN@mf@prepare\endcsname
17630 }
17631 \renewcommand{\@LTRfootnotetext}[1]{%
17632 \scr@saved@LTRfootnotetext{#1}%

```



```

17633 \csname FN@mf@prepare\endcsname
17634 }
17635 \renewcommand{\@RTLfootnotetext}[1]{%
17636 \scr@saved@RTLfootnotetext{#1}%
17637 \csname FN@mf@prepare\endcsname
17638 }
17639 \renewcommand\deffootnote[4][1]{%
17640 \long\def\@makefnmark##1{%
17641 \setlength{\@tempdimc}{#3}%
17642 \def\@tempa{#1}\ifx\@tempa\@empty
17643 \setpar{\@par
17644 \@tempdima = \hsize
17645 \addtolength{\@tempdima}{-#2}%
17646 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17647 \else
17648 \addtolength{\@tempdimc}{#2}%
17649 \addtolength{\@tempdimc}{-#1}%
17650 \setpar{\@par
17651 \@tempdima = \hsize
17652 \addtolength{\@tempdima}{-#1}%
17653 \@tempdimb = \hsize
17654 \addtolength{\@tempdimb}{-#2}%
17655 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17656 }%
17657 \fi
17658 \par
17659 \parindent\@tempdimc\noindent
17660 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17661 }%
17662 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17663 }
17664 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17665 \renewcommand*\left@footnoterule{%
17666 \normalsize\ftn@rule@test@values
17667 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17668 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17669 {\usekomafont{footnoterule}{%
17670 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17671 \kern 2.6\p@}
17672 \renewcommand*\right@footnoterule{%
17673 \normalsize\ftn@rule@test@values
17674 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17675 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17676 {\usekomafont{footnoterule}{%
17677 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17678 \kern 2.6\p@}
17679 \renewcommand*\maketitle[1][1]{%
17680 \if@titlepage
17681 \begin{titlepage}
17682 \setcounter{page}{%

```



```

17683      #1%
17684    }%
17685    \let\footnotesize\small
17686    \let\right@footnoterule\relax
17687    \let\left@footnoterule\relax
17688    \let\textwidth@footnoterule\relax
17689    \let\footnote\thanks
17690    \let\LTRfootnote\LTRthanks
17691    \let\RTLfootnote\RTLthanks
17692    \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17693    \let\@oldmakefnmark\@makefnmark
17694    \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17695    \ifx\@extratitle\@empty \else
17696      \noindent\@extratitle\next@tpage\cleardoubleemptypage
17697      \thispagestyle{empty}%
17698    \fi
17699    \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17700    \ifx\@titlehead\@empty \else
17701      \begin{minipage}[t]{\textwidth}%
17702        \@titlehead
17703      \end{minipage}\par
17704    \fi
17705    \null\vfill
17706    \begin{center}
17707      \ifx\@subject\@empty \else
17708        {\subject@font \@subject \par}%
17709        \vskip 3em
17710      \fi
17711      {\titlefont\huge \@title\par}%
17712      \vskip 1em
17713      {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17714      \vskip 2em
17715      {\Large \lineskip 0.75em
17716        \begin{tabular}[t]{c}
17717          \@author
17718        \end{tabular}\par
17719      }%
17720      \vskip 1.5em
17721      {\Large \@date \par}%
17722      \vskip \z@ \@plus3fill
17723      {\Large \@publishers \par}%
17724      \vskip 3em
17725    \end{center}\par
17726    \@thanks
17727    \vfill\null
17728    \if@twoside\next@tpage
17729      \begin{minipage}[t]{\textwidth}
17730        \@uppertitleback
17731      \end{minipage}\par
17732    \vfill

```



```

17733     \begin{minipage}[b]{\textwidth}
17734         \@lowertitleback
17735     \end{minipage}
17736 \fi
17737 \ifx\@dedication\@empty \else
17738     \next@tpage\@null\vfill
17739     {\centering \Large \@dedication \par}%
17740     \vskip \z@ \@plus3fill
17741     \if@twoside \next@tpage\cleardoubleemptypage \fi
17742 \fi
17743 \end{titlepage}
17744 \else
17745     \par
17746     \@tempcnta=
17747     #1%
17748     \relax\ifnum\@tempcnta=1\else
17749         \ClassWarning{KOMAClassName}{%
17750             Optional argument of \string\maketitle\space ignored
17751             at\MessageBreak
17752             notitlepage-mode%
17753         }%
17754     \fi
17755     \begin{group}
17756         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17757         \let\@oldmakefnmark\@makefnmark
17758         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17759         \if@twocolumn
17760             \ifnum \col@number=\@ne
17761                 \@maketitle
17762             \else
17763                 \twocolumn[\@maketitle]%
17764             \fi
17765         \else
17766             \newpage
17767             \global\@topnum\z@
17768             \@maketitle
17769         \fi
17770         \thispagestyle{\titlepagestyle}\@thanks
17771     \end{group}
17772 \fi
17773 \setcounter{footnote}{0}%
17774 \let\thanks\relax
17775 \let\LTrthanks\relax
17776 \let\RTLthanks\relax
17777 \let\maketitle\relax
17778 \let\@maketitle\relax
17779 \global\let\@thanks\@empty
17780 \global\let\@author\@empty
17781 \global\let\@date\@empty
17782 \global\let\@title\@empty

```



```

17783 \global\let\@subtitle\@empty
17784 \global\let\@extratitle\@empty
17785 \global\let\@titlehead\@empty
17786 \global\let\@subject\@empty
17787 \global\let\@publishers\@empty
17788 \global\let\@uppertitleback\@empty
17789 \global\let\@lowertitleback\@empty
17790 \global\let\@dedication\@empty
17791 \global\let\author\relax
17792 \global\let\title\relax
17793 \global\let\extratitle\relax
17794 \global\let\titlehead\relax
17795 \global\let\subject\relax
17796 \global\let\publishers\relax
17797 \global\let\uppertitleback\relax
17798 \global\let\lowertitleback\relax
17799 \global\let\dedication\relax
17800 \global\let\date\relax
17801 \global\let\and\relax
17802 }%
17803 \renewcommand*{\@maketitle}{%
17804 \clearpage
17805 \let\footnote\thanks
17806 \let\LTRfootnote\LTRthanks
17807 \let\RTLfootnote\RTLthanks
17808 \ifx\@extratitle\@empty \else
17809 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17810 \fi
17811 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17812 \ifx\@titlehead\@empty \else
17813 \begin{minipage}[t]{\textwidth}
17814 \@titlehead
17815 \end{minipage}\par
17816 \fi
17817 \null
17818 \vskip 2em%
17819 \begin{center}%
17820 \ifx\@subject\@empty \else
17821 {\subject@font \@subject \par}
17822 \vskip 1.5em
17823 \fi
17824 {\titlefont\huge \@title \par}%
17825 \vskip .5em
17826 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17827 \vskip 1em
17828 {\Large
17829 \lineskip .5em%
17830 \begin{tabular}[t]{c}
17831 \@author
17832 \end{tabular}\par

```



```

17833 }%
17834 \vskip 1em%
17835 {\Large \@date \par}%
17836 \vskip \z@ \@plus 1em
17837 {\Large \@publishers \par}
17838 \ifx\@dedication\@empty \else
17839 \vskip 2em
17840 {\Large \@dedication \par}
17841 \fi
17842 \end{center}%
17843 \par
17844 \vskip 2em
17845 }%
17846 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17847 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17848 \renewcommand*\thesection{%
17849 \thechapter\@SepMark%
17850 \@arabic\c@section
17851 }
17852 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
17853 \renewcommand*\thesubsubsection{%
17854 \thesubsection\@SepMark\@arabic\csubsubsection
17855 }
17856 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
17857 \renewcommand*\thesubparagraph{%
17858 \theparagraph\@SepMark\@arabic\csubparagraph
17859 }
17860 \renewcommand*\thefigure{%
17861 \thechapter\@SepMark%
17862 \@arabic\c@figure
17863 }
17864 \renewcommand*\thetable{%
17865 \thechapter\@SepMark%
17866 \@arabic\c@table
17867 }
17868 \renewcommand*\theequation{%
17869 \thechapter\@SepMark%
17870 \@arabic\c@equation
17871 }
17872 \renewenvironment{thebibliography}[1]{%
17873 \if@bib@break@
17874 \bib@beginhook
17875 \else
17876 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17877 \setchapterpreamble{\bibpreamble}%
17878 \fi\fi
17879 \bib@heading
17880 \bib@beginhook
17881 \bib@before@hook
17882 \fi

```




```

17883 \renewcommand{\BreakBibliography}[1]{%
17884   \@bib@break
17885   \end{thebibliography}%
17886   \begingroup ##1\endgroup
17887   \begin{thebibliography}{#1}
17888 }%
17889 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17890 \bidi@thebibliography@font@hook%
17891 \list{%
17892   \@biblabel{\@arabic\c@enumiv}%
17893 }{%
17894   \settowidth\labelwidth{\@biblabel{#1}}%
17895   \leftmargin\labelwidth
17896   \advance\leftmargin\labelsep
17897   \@openbib@code
17898   \if@bib@break@
17899     \edef\@tempa{%
17900       \noexpand\usecounter{enumiv}%
17901       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17902     }\@tempa
17903     \no@bib@break
17904   \else
17905     \usecounter{enumiv}%
17906   \fi
17907   \let\p@enumiv\@empty
17908   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17909 }%
17910 \sloppy\clubpenalty4000 \widowpenalty4000
17911 \sfcode`\.=\@m
17912 }{%
17913 \if@bib@break@
17914   \def\@noitemerr{%
17915     \@latex@warning{%
17916       \string\BreakBibliography\space at begin of `thebibliography'
17917       environment\MessageBreak
17918       or following \string\BreakBibliography}%
17919   }%
17920 \else
17921   \def\@noitemerr{%
17922     \@latex@warning{%
17923       Empty `thebibliography' environment or
17924       \string\BreakBibliography\MessageBreak
17925       before end of `thebibliography' environment}%
17926   }%
17927 \fi
17928 \endlist
17929 \if@bib@break@
17930 \else
17931   \bib@after@hook
17932   \let\bib@before@hook\@empty

```



```

17933 \let\bib@after@hook\@empty
17934 \fi
17935 \bib@endhook
17936 }
17937 \renewcommand*\left@footnoterule{%
17938 \kern-3\p@
17939 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17940 \hrule\@width.4\columnwidth
17941 \kern 2.6\p@}
17942 \renewcommand*\right@footnoterule{%
17943 \kern-3\p@
17944 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17945 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17946 \kern2.6\p@}
17947 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
17948 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
17949 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
17950 \renewcommand\marginline[1]{%
17951 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17952 }
17953 \renewcommand{\@makecaption}[3]{%
17954 \cap@margin
17955 \ifonelinecaptions
17956 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17957 \let\scr@tmp@footnotetext=\@footnotetext
17958 \let\@footnotetext=\@gobble
17959 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17960 \let\@LTRfootnotetext=\@gobble
17961 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17962 \let\@RTLfootnotetext=\@gobble
17963 \sbox\@tempboxa{%
17964 {\capfont{\strut\ignorespaces
17965 #1{\@caplabelfont{#2\captionformat}}}%
17966 #3\unskip\strut}}%
17967 }%
17968 \let\@footnotetext=\scr@tmp@footnotetext
17969 \let\scr@tmp@footnotetext=\undefined
17970 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17971 \let\scr@tmp@LTRfootnotetext=\undefined
17972 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17973 \let\scr@tmp@RTLfootnotetext=\undefined
17974 \setcounter{footnote}{\@tempcntb}%
17975 \setcounter{mpfootnote}{\@tempcnta}%
17976 \else
17977 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17978 \fi
17979 \begingroup%
17980 \setlength{\@tempdima}{\cap@width}%
17981 \ifdim \wd\@tempboxa >\@tempdima
17982 \hb@xt@\hspace{%

```



```

17983 \setbox\@tempboxa\vbox{\hsize=\cap@width
17984 \ifdofullc@p
17985 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17986 #1{\caplabelfont{#2\captionformat}}}}}%
17987 {#3\unskip\strut\par}}}%
17988 \else%
17989 \ifdim\cap@indent<\z@
17990 {\capfont{\strut\ignorespaces
17991 #1{\caplabelfont{#2\captionformat\par}}}%
17992 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17993 \else%
17994 \if@capbreak
17995 {\capfont{\strut\ignorespaces
17996 #1{\caplabelfont{#2\captionformat\par}}}%
17997 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17998 \else
17999 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
18000 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18001 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
18002 \fi
18003 \fi
18004 \fi
18005 }%
18006 \setlength{\@tempdima}{\ht\@tempboxa}%
18007 \addtolength{\@tempdima}{\dp\@tempboxa}%
18008 \addtolength{\@tempdima}{-\ht\strutbox}%
18009 \ht\@tempboxa\ht\strutbox
18010 \dp\@tempboxa\@tempdima
18011 \strut\cap@left
18012 \box\@tempboxa
18013 \cap@right\strut
18014 }%
18015 \else
18016 \global \@minipagefalse
18017 \sbox\@tempboxa{%
18018 {\capfont{\scr@smashdp{\strut\ignorespaces
18019 #1{\caplabelfont{#2\captionformat}}}}}%
18020 #3}%
18021 }%
18022 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}}%
18023 \fi
18024 \endgroup
18025 }
18026 \renewcommand{\@makecaption}[2]{%
18027 \if@captionabove
18028 \vskip\belowcaptionskip
18029 \else
18030 \vskip\abovecaptionskip
18031 \fi
18032 \@@makecaption\@firstofone{#1}{#2}%

```



```

18033 \if@captionabove
18034 \vskip\abovecaptionskip
18035 \else
18036 \vskip\belowcaptionskip
18037 \fi
18038 }
18039 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18040 \@ifpackageloaded{caption2}{\@komalongtablefalse
18041 \scr@caption@before@longtable@warning{caption2}%
18042 }{}%
18043 \if@komalongtable
18044 \renewcommand{\LT@makecaption}[3]{%
18045 \noalign{%
18046 \if@captionabove
18047 \vskip\belowcaptionskip
18048 \else
18049 \vskip\abovecaptionskip
18050 \fi
18051 }%
18052 \LT@mcol\LT@cols c{%
18053 \hbox to\z@{\hss\parbox[t]{\linewidth{%
18054 \@makecaption{#1}{#2}{#3}%
18055 \endgraf
18056 \if@captionabove
18057 \vskip\abovecaptionskip
18058 \else
18059 \vskip\belowcaptionskip
18060 \fi
18061 }%
18062 \hss
18063 }%
18064 }%
18065 }%
18066 \renewcommand*{\scr@LT@array}{}%
18067 \let\scr@LT@array=\LT@array
18068 \renewcommand*{\LT@array}{%
18069 \let\scr@caption=\LT@caption
18070 \def\captionabove{\noalign{\global\@captionabovetrue}%
18071 \scr@caption}%
18072 \def\captionbelow{\noalign{\global\@captionabovefalse}%
18073 \scr@caption}%
18074 \if@tablecaptionabove
18075 \let\LT@caption=\captionabove
18076 \else
18077 \let\LT@caption=\captionbelow
18078 \fi
18079 \scr@LT@array
18080 }%
18081 \ClassInfo{\KOMAClassName}{%
18082 longtable captions redefined%

```



```

18083 }%
18084 \fi
18085 }
18086
18087 \CloneTOCEntryStyle{tocline}{part}
18088 \TOCEntryStyleStartInitCode{part}{%
18089 \expandafter\renewcommand%
18090 \csname scr@tso@#1@linefill\endcsname{\hfill}%
18091 \expandafter\renewcommand%
18092 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18093 \expandafter\renewcommand%
18094 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18095 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18096 \expandafter\renewcommand\expandafter*%
18097 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18098 }
18099
18100 \CloneTOCEntryStyle{tocline}{chapter}
18101 \TOCEntryStyleStartInitCode{chapter}{%
18102 \expandafter\renewcommand%
18103 \csname scr@tso@#1@linefill\endcsname{%
18104 \ifchapterentrywithdots
18105 \TOCLineLeaderFill\relax
18106 \else
18107 \hfill
18108 \fi
18109 }%
18110 \expandafter\renewcommand%
18111 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18112 \expandafter\renewcommand%
18113 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18114 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18115 \expandafter\renewcommand\expandafter*%
18116 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18117 }
18118
18119 \CloneTOCEntryStyle{tocline}{section}
18120 \TOCEntryStyleStartInitCode{section}{%
18121 \expandafter\renewcommand%
18122 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18123 }
18124
18125 \CloneTOCEntryStyle{section}{default}
18126
18127 \DeclareSectionCommand[%
18128 style=part,%
18129 level=\m@ne,%
18130 pagestyle=plain,%
18131 tocstyle=part,%
18132 toplevel=\m@ne,%

```



```

18133 tocindent=\z@,%
18134 tocnumwidth=2em%
18135 ]{part}
18136 \DeclareSectionCommand[%
18137   style=chapter,%
18138   level=\z@,%
18139   pagestyle=plain,%
18140   tocstyle=chapter,%
18141   tocindent=\z@,%
18142   tocnumwidth=1.5em%
18143 ]{chapter}
18144 \DeclareSectionCommand[%
18145   style=section,%
18146   level=1,%
18147   indent=\z@,%
18148   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
18149   afterskip=2.3ex \@plus .2ex,%
18150   tocstyle=section,%
18151   tocindent=1.5em,%
18152   tocnumwidth=2.3em%
18153 ]{section}
18154 \DeclareSectionCommand[%
18155   style=section,%
18156   level=2,%
18157   indent=\z@,%
18158   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18159   afterskip=1.5ex \@plus .2ex,%
18160   tocstyle=section,%
18161   tocindent=3.8em,%
18162   tocnumwidth=3.2em%
18163 ]{subsection}
18164 \DeclareSectionCommand[%
18165   style=section,%
18166   level=3,%
18167   indent=\z@,%
18168   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18169   afterskip=1.5ex \@plus .2ex,%
18170   tocstyle=section,%
18171   tocindent=7.0em,%
18172   tocnumwidth=4.1em%
18173 ]{subsubsection}
18174 \DeclareSectionCommand[%
18175   style=section,%
18176   level=4,%
18177   indent=\z@,%
18178   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
18179   afterskip=-1em,%
18180   tocstyle=section,%
18181   tocindent=10em,%
18182   tocnumwidth=5em%

```



```

18183 ]{paragraph}
18184 \DeclareSectionCommand[%
18185   style=section,%
18186   level=5,%
18187   indent=\scr@parindent,%
18188   beforekip=3.25ex \@plus1ex \@minus .2ex,%
18189   afterskip=-1em,%
18190   tocstyle=section,%
18191   tocindent=12em,%
18192   tocnumwidth=6em%
18193 ]{subparagraph}
18194
18195

```

107 File sidecap-xetex-bidi.def

```

18196 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18197 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18198   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {\#2}\hspace{\sidecaptionsep}{#1}}\else%
18199 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {\#1}\hspace{\sidecaptionsep}{#2}}\fi}
18200 \renewcommand*{\SC@justify@caption}{\if@RTL%
18201 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\else%
18202 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\fi}

```

108 File soul-xetex-bidi.def

```

18203 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18204 \long\def\SOUL@start#1{%
18205   \let\bidi@RTL@everypar\@empty
18206   \let\<\SOUL@lowerthan
18207   \let\>\empty
18208   \def\soulomit{\noexpand\soulomit}%
18209   \gdef\SOUL@eventuallyxehyphen##1{%
18210     \let\SOUL@soeventuallyskip\relax
18211     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18212       \@minus\fontdimen4\font
18213     \SOUL@ignorespacesfalse
18214     \leavevmode
18215     \SOUL@preamble
18216     \SOUL@lasttoken={}%
18217     \SOUL@word={}%
18218     \SOUL@minus\z@
18219     \SOUL@comma\z@
18220     \SOUL@apo\z@
18221     \SOUL@grave\z@
18222     \SOUL@do{#1}%
18223     \SOUL@postamble
18224 }}
18225 \def\SOUL@underline#1{%
18226   \setbox\z@\hbox{#1}%

```



```

18227 \dimen@=\wd\z@
18228 \dimen@i=\SOUL@uloverlap
18229 \advance\dimen@2\dimen@i
18230 \if@RTL
18231 \unhcopy\z@
18232 \llap{%
18233     \null
18234     \kern-\dimen@i
18235     \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18236 }%
18237 \else
18238 \rlap{%
18239     \null
18240     \kern-\dimen@i
18241     \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18242 }%
18243 \unhcopy\z@
18244 \fi
18245 }}
18246 \def\bidirectionalSOUL@ulleaders{%
18247     \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\re
18248 }
18249 \def\SOUL@uleverySPACE#1{%
18250     \if@RTL
18251     #1%
18252     \bidirectionalSOUL@ulleaders
18253     \hskip\spaceskip
18254     \else
18255     \SOUL@ulcolor{%
18256     #1%
18257     \SOUL@ulleaders
18258     \hskip\spaceskip
18259     }%
18260     \fi
18261     \null
18262 }

```

109 File stabular-xetex-bidi.def

```

18263 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
18264 \def\@stabular{%
18265     \leavevmode \bgroup \if@RTLtab\beginR \fi
18266     \let\@acol\@tabacol
18267     \let\@classz\@tabclassz
18268     \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18269 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18270     \egroup \if@RTLtab\endR\fi\egroup}
18271 \expandafter \let \csname endstabular*\endcsname = \endstabular
18272 \def\@sarray[#1]#2{%
18273     \bgroup

```




```

18274 \setbox\@arstrutbox\hbox{%
18275   \vrule \@height\arraystretch\ht\strutbox
18276   \@depth\arraystretch \dp\strutbox
18277   \@width\z@}%
18278 \@mkpream{#2}%
18279 \edef\@preamble{%
18280   \ialign \noexpand\@halignto
18281     \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18282 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18283 \let\tabularnewline\\%
18284 \let\@sharp##%
18285 \set@typeset@protect
18286 \lineskip\z@skip\baselineskip\z@skip
18287 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
18288   \@preamble}

```

110 File subfigure-xetex-bidi.def

```

18289 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18290 \AtBeginDocument{%
18291 \let\p@subfigure=\thefigure
18292 \let\p@subtable=\thetable%
18293 }

```

111 File tabs-xetex-bidi.def

```

18294 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
18295 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18296
18297 \expandafter\let\csname endtabular*\endcsname=\endtabular
18298
18299 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
18300   \else \[\z@ \global\advance\@arstddepth-\@otarlinesep]%
18301   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18302
18303 \def\@array[#1]#2{% remember global variables to allow recursion:
18304   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18305     \global\@arstheight\the\@arstheight\global\@arstddepth\the\@arstddepth}%
18306   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18307   \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18308   \else \let\@tarlinesep\tablinesep \fi
18309   \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18310   \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
18311   \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18312   \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18313     \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
18314     \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18315   \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18316     \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18317   \let\protect\noexpand

```



```

18318 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18319 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18320 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18321 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
18322 \bgroup \let\par\@empty
18323 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18324 \advance\extrarulesep.5\arrayrulewidth
18325 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18326 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
18327 \@preamble}

```

112 File tabularx-xetex-bidi.def

```

18328 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
18329 \def\TX@endtabularx{%
18330   \expandafter\expandafter\expandafter
18331     \TX@find@endtabularxa\csname end\TX@\endcsname
18332     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18333   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}}%
18334   \let\verb\TX@verb
18335   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18336   \edef\TX@ckpt{\cl@ckpt}%
18337   \let\@elt\relax
18338   \TX@old@table\maxdimen
18339   \TX@col@width\TX@target
18340   \global\TX@cols\@ne
18341   \TX@typeout@
18342     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18343   \TX@trial{\def\NC@rewriteX{%
18344     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18345   \loop
18346     \TX@arith
18347     \ifTX@
18348     \TX@trial{%
18349     \repeat
18350     {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18351     \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18352     \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18353     \csname tabular*\expandafter\endcsname\expandafter\TX@target
18354     \the\toks@
18355     \csname endtabular*\endcsname}%
18356   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18357   \ifnum0=`{\fi}%
18358   \expandafter\expandafter\expandafter
18359     \TX@find@endtabularxbb
18360     \expandafter\end\expandafter{\TX@}%
18361     \endtabularx\TX@\endtabularx\TX@find@endtabularxb
18362 }
18363
18364 \def\TX@trial#1{%

```



```

18365 \setbox\@tempboxa\hbox{%
18366   #1\relax
18367 \let\@footnotetext\TX@trial@ftn
18368 \let\@LTRfootnotetext\TX@trial@ftn
18369 \let\@RTLfootnotetext\TX@trial@ftn
18370 \let\TX@vwarn\@empty
18371 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18372 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18373 \def\write{\begingroup
18374   \def\let{\afterassignment\endgroup\toks@}%
18375   \afterassignment\let\count@}%
18376   \hbadness\@M
18377   \hfuzz\maxdimen
18378   \let\hbadness\@tempcnta
18379   \let\hfuzz\@tempdima
18380   \expandafter\tabular\the\toks@
18381   \endtabular}%
18382 \TX@ckpt
18383 \TX@typeout@{\@spaces
18384   \expandafter\TX@align
18385   \the\wd\@tempboxa\space\space\space\space\space\@@
18386   \expandafter\TX@align
18387   \the\TX@col@width\space\space\space\space\space\@@
18388   \@spaces\the\TX@cols}}
18389
18390 \long\def\TX@LTRftntext#1{%
18391   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18392     [\the\csname c@\@mpfn\endcsname]}}%
18393   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18394 \long\def\TX@xLTRftntext[#1]#2{%
18395   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
18396
18397 \long\def\TX@RTLftntext#1{%
18398   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18399     [\the\csname c@\@mpfn\endcsname]}}%
18400   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18401 \long\def\TX@xRTLftntext[#1]#2{%
18402   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

113 File tabulary-xetex-bidi.def

```

18403 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18404 \def\@testpach{\@chclass
18405   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18406   \ifnum \@lastchclass=7 5 \else
18407   \ifnum \@lastchclass=8 \tw@ \else
18408   \ifnum \@lastchclass=9 \thr@@
18409   \else \@z@
18410   \ifnum \@lastchclass = 10 \else
18411   \edef\@nextchar{\expandafter\string\@nextchar}%

```



```

18412 \@chnum
18413 \if \@nextchar c\z@ \else
18414 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
18415 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
18416 \if \@nextchar C7 \else
18417 \if \@nextchar L8 \else
18418 \if \@nextchar R9 \else
18419 \if \@nextchar J10 \else
18420 \z@ \@chclass
18421 \if \@nextchar |\@ne \else
18422 \if \@nextchar !6 \else
18423 \if \@nextchar @7 \else
18424 \if \@nextchar <8 \else
18425 \if \@nextchar >9 \else
18426 10
18427 \@chnum
18428 \if \@nextchar m\thr@@\else
18429 \if \@nextchar p4 \else
18430 \if \@nextchar b5 \else
18431 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
18432 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

114 File tc-xetex-bidi.def

```

18433 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
18434 \def\@cliptoboxdim#1{%
18435   \setbox#1=\hbox{%
18436     \Gin@defaultbp\WIDTH{\wd#1}%
18437     \Gin@defaultbp\DEPTH{\dp#1}%
18438     \@tempdima\ht#1%
18439     \advance\@tempdima\dp#1%
18440     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18441     \beginL\special{pdf:bcontent }%
18442     \special{%
18443       pdf:literal direct
18444       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18445     }%
18446     \special{pdf:literal direct W }%
18447     \special{pdf:literal direct n }%
18448     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18449     \special{pdf:econtent }\endL%
18450   }%
18451 }

```

115 File tcolorbox-xetex-bidi.def

```

18452 \ProvidesFile{tcolorbox-xetex-bidi.def}[2017/08/15 v0.1 bidi adaptations for tcolorbox package]
18453 \let\endtcbox@lrbox=\endminipage
18454 \let\endtcbox@savebox=\endtcbox@lrbox
18455

```



```

18456 \bidi@patchcmd{\tcb@vbox}{%
18457   \let\@footnotetext\@mpfootnotetext%
18458 }{%
18459   \let\@footnotetext\@mpfootnotetext%
18460   \let\@LTRfootnotetext\@mpLTRfootnotetext%
18461   \let\@RTLfootnotetext\@mpRTLfootnotetext%
18462 }{}{}
18463
18464 \bidi@patchcmd{\end tcb@vbox}{%
18465   \footnoterule%
18466 }{%
18467   \bidi@mpfootnoterule%
18468 }{}{}

```

116 File titlesec-xetex-bidi.def

```

18469 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18470 \renewcommand\filright{%
18471   \gdef\ttl@filleft##1{\hskip##1}%
18472   \gdef\ttl@filright##1{\hfill}%
18473   \let\\\@centercr
18474   \advance\rightskip\z@ \@plus 1fil
18475   \parfillskip\z@}
18476 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18477   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18478   \setlength\leftskip{#6}%
18479   \setlength\rightskip{#7}%
18480   \interlinepenalty\@M
18481   \ttl@change centercr
18482   \ttl@begin longest
18483   #1{\ifhmode\ttl@hmode@error\fi
18484     \ttl@glcmds
18485     \parindent\z@
18486     \leavevmode
18487     \begingroup
18488       \ifttl@label
18489         \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18490         \if@RTL\advance\rightskip\wd\z@ \else\advance\leftskip\wd\z@ \fi
18491         \llap{\box\z@}%
18492       \fi
18493       #4{#8}%
18494       \kern\z@\strut\@par
18495     \endgroup
18496     \nobreak\ttl@midlongest#5\@par}%
18497   \ttl@end longest}

```

117 File titletoc-xetex-bidi.def

```

18498 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18499 \renewcommand\filright{%

```



```

18500 \gdef\ttl@filleft##1{\hskip##1}%
18501 \gdef\ttl@filright##1{\hfill}%
18502 \let\\@centercr
18503 \advance\rightskip\z@ \@plus 1fil
18504 \parfillskip\z@}
18505 \renewcommand\contentspush[1]{%
18506   \box\z@{#1}%
18507   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18508   \aftergroup\ttl@b
18509   \leavevmode\llap{\box\z@}}
18510 \def\ttl@outnoblock#1#2#3{%
18511   \begingroup
18512   \ifnum\ttl@b>\ttl@a
18513     \nobreak
18514   \else\ifnum\ttl@b<\ttl@a
18515     \addpenalty{\@secpenalty}%
18516   \else
18517     \addpenalty{\z@}%
18518   \fi\fi
18519   \ttl@contentsstretch
18520   \nobreak
18521   \ifcase#1\relax\else\interlinepenalty\M\fi
18522   \parindent\z@
18523   \ifx\@nil#2%
18524     \PackageError{titletoc}{Unimplemented}%
18525     {The optional argument is currently mandatory}%
18526   \else
18527     \if@RTL\setlength\rightskip{#2}\else
18528     \setlength\leftskip{#2}\fi%
18529   \fi
18530   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18531   \let\contentsmargin\ttl@margin
18532   \def\ttl@makeline##1{##1}%
18533   #3%
18534   \addtolength{\parfillskip}{-\ttl@corr}%
18535   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
18536   \let\ttl@leaders\leaders}
18537 \renewcommand\ttl@margin[2][\z@]{%
18538   \def\ttl@corr{#1}%
18539   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
18540   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
18541   \def\@pnumwidth{#2}}
18542 \let\ttl@savel@part\l@part
18543 \def\l@part{\ttl@lselect{part}}
18544
18545 \let\ttl@savel@chapter\l@chapter
18546 \def\l@chapter{\ttl@lselect{chapter}}

```

118 File tocbibind-xetex-bidi.def



```

18547 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
18548 \if@dotocbib
18549   \@ifpackageloaded{natbib}{}{% natbib not loaded
18550     \renewcommand{\bibsection}{\t@cb@bchapsec}
18551     \renewenvironment{thebibliography}[1]{%
18552       \bibsection
18553       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
18554 \renewenvironment{thebibitemlist}[1]{
18555   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18556   \bidi@thebibliography@font@hook%
18557   \list{\@biblabel{\@arabic{cenumiv}}}%
18558     {\settowidth\labelwidth{\@biblabel{#1}}%
18559     \leftmargin\labelwidth
18560     \advance\leftmargin\labelsep
18561     \@openbib@code
18562     \usecounter{enumiv}%
18563     \let\p@enumiv\@empty
18564     \renewcommand\theenumiv{\@arabic{cenumiv}}}%
18565   \sloppy
18566   \clubpenalty4000
18567   \@clubpenalty \clubpenalty
18568   \widowpenalty4000%
18569   \sfcode`\.\@m}
18570 {\def\@noitemerr
18571   {\@latex@warning{Empty `thebibliography' environment}}}%
18572   \endlist}
18573
18574 \@ifpackagewith{chapterbib}{sectionbib}%
18575   {\renewcommand{\sectionbib}[2]{}%
18576   {}
18577
18578 \fi
18579 \if@inltxdoc\else
18580   \renewenvironment{theindex}%
18581     {\if@twocolumn
18582       \@restonecolfalse
18583       \else
18584         \@restonecoltrue
18585       \fi
18586     \if@bibchapter
18587       \if@donumindex
18588         \refstepcounter{chapter}
18589         \twocolumn[\vspace*{2\topskip}%
18590           \@makechapterhead{\indexname}}%
18591         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
18592         \chaptermark{\indexname}
18593       \else
18594         \if@dotocind
18595           \twocolumn[\vspace*{2\topskip}%
18596             \@makeschapterhead{\indexname}}%

```



```

18597         \prw@mkboth{\indexname}
18598         \addcontentsline{toc}{chapter}{\indexname}
18599     \else
18600         \twocolumn[\vspace*{2\topskip}%
18601             \@makeschapterhead{\indexname}]]%
18602         \prw@mkboth{\indexname}
18603     \fi
18604 \fi
18605 \else
18606     \if@donumindex
18607         \twocolumn[\vspace*{-1.5\topskip}%
18608             \@nameuse{\@tocextra}{\indexname}]]%
18609         \csname \@tocextra mark\endcsname{\indexname}
18610     \else
18611         \if@dotocind
18612             \twocolumn[\vspace*{-1.5\topskip}%
18613                 \toc@headstar{\@tocextra}{\indexname}]]%
18614             \prw@mkboth{\indexname}
18615             \addcontentsline{toc}{\@tocextra}{\indexname}
18616         \else
18617             \twocolumn[\vspace*{-1.5\topskip}%
18618                 \toc@headstar{\@tocextra}{\indexname}]]%
18619             \prw@mkboth{\indexname}
18620         \fi
18621     \fi
18622 \fi
18623 \thispagestyle{plain}\parindent\z@
18624 \parskip\z@ \@plus .3\p@\relax
18625 \let\item\@idxitem}
18626 {\if@restonecol\onecolumn\else\clearpage\fi}
18627 \fi

```

119 File tocloft-xetex-bidi.def

```

18628 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
18629 \let\cftdot\@SepMark
18630 \if@cfthaspart
18631 \renewcommand*{\l@part}[2]{
18632     \@cftdopartfalse
18633     \ifnum \c@tocdepth >-2\relax
18634         \if@cfthaschapter
18635             \@cftdoparttrue
18636         \fi
18637         \ifnum \c@tocdepth >\m@ne
18638             \if@cfthaschapter\else
18639                 \@cftdoparttrue
18640             \fi
18641         \fi
18642     \fi
18643 \if@cftdopart

```




```

18644 \if@cfthaschapter
18645 \addpenalty{-\@highpenalty}
18646 \else
18647 \addpenalty\@secpenalty
18648 \fi
18649 \addvspace{\cftbeforepartskip}
18650 \begingroup
18651 {\if@RTL\rightright\else\leftskip\fi \cftpartindent\relax
18652 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
18653 \parfillskip -\if@RTL\leftskip\else\rightright\fi
18654 \parindent \cftpartindent\relax\@afterindenttrue
18655 \interlinepenalty\@M
18656 \leavevmode
18657 \@tempdima \cftpartnumwidth\relax
18658 \let\@cftbsnum \cftpartpresnum
18659 \let\@cftasnum \cftpartaftersnum
18660 \let\@cftasnumb \cftpartaftersnumb
18661 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18662 {\cftpartfont \cftpartpresnum #1}
18663 \cftpartfillnum{#2}}
18664 \nobreak
18665 \if@cfthaschapter
18666 \global\@nobreaktrue
18667 \everypar{\global\@nobreakfalse\everypar{}}
18668 \else
18669 \if@compatibility
18670 \global\@nobreaktrue
18671 \everypar{\global\@nobreakfalse\everypar{}}
18672 \fi
18673 \fi
18674 \endgroup
18675 \fi}
18676 \fi
18677 \if@cfthaschapter
18678 \renewcommand*{\l@chapter}[2]{
18679 \ifnum \c@tocdepth >\m@ne
18680 \addpenalty{-\@highpenalty}
18681 \vskip \cftbeforechapskip
18682 {\if@RTL\rightright\else\leftskip\fi \cftchapindent\relax
18683 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
18684 \parfillskip -\if@RTL\leftskip\else\rightright\fi
18685 \parindent \cftchapindent\relax\@afterindenttrue
18686 \interlinepenalty\@M
18687 \leavevmode
18688 \@tempdima \cftchapnumwidth\relax
18689 \let\@cftbsnum \cftchappresnum
18690 \let\@cftasnum \cftchapaftersnum
18691 \let\@cftasnumb \cftchapaftersnumb
18692 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18693 {\cftchapfont #1}\nobreak

```



```

18694     \cftchapfillnum{#2}}
18695 \fi}
18696 \fi
18697 \renewcommand*{\l@section}[2]{%
18698   \ifnum \c@tocdepth >\z@
18699     \if@cfthaschapter
18700       \vskip \cftbeforesecskip
18701     \else
18702       \addpenalty\@secpenalty
18703       \addvspace{\cftbeforesecskip}
18704     \fi
18705     {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
18706     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18707     \parfillskip -\if@RTL\leftskip\else\righskip\fi
18708     \parindent \cftsecindent\relax\@afterindenttrue
18709     \interlinepenalty\@M
18710     \leavevmode
18711     \@tempdima \cftsecnumwidth\relax
18712     \let\@cftbsnum \cftsecpresnum
18713     \let\@cftasnum \cftsecaftersnum
18714     \let\@cftasnumb \cftsecaftersnumb
18715     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
18716     {\cftsecfont #1}\nobreak
18717     \cftsecfillnum{#2}}
18718 \fi}
18719 \renewcommand*{\l@subsection}[2]{%
18720   \ifnum \c@tocdepth >\@ne
18721     \vskip \cftbeforesubsecskip
18722     {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
18723     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18724     \parfillskip -\if@RTL\leftskip\else\righskip\fi
18725     \parindent \cftsubsecindent\relax\@afterindenttrue
18726     \interlinepenalty\@M
18727     \leavevmode
18728     \@tempdima \cftsubsecnumwidth\relax
18729     \let\@cftbsnum \cftsubsecpresnum
18730     \let\@cftasnum \cftsubsecaftersnum
18731     \let\@cftasnumb \cftsubsecaftersnumb
18732     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
18733     {\cftsubsecfont #1}\nobreak
18734     \cftsubsecfillnum{#2}}
18735 \fi}
18736 \renewcommand*{\l@subsubsection}[2]{%
18737   \ifnum \c@tocdepth >\tw@
18738     \vskip \cftbeforesubsubsecskip
18739     {\if@RTL\righskip\else\leftskip\fi \cftsubsubsecindent\relax
18740     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18741     \parfillskip -\if@RTL\leftskip\else\righskip\fi
18742     \parindent \cftsubsubsecindent\relax\@afterindenttrue
18743     \interlinepenalty\@M

```



```

18744 \leavevmode
18745 \@tempdima \cftsubsubsecnumwidth\relax
18746 \let\@cftbsnum \cftsubsubsecpresnum
18747 \let\@cftasnum \cftsubsubsecaftersnum
18748 \let\@cftasnumb \cftsubsubsecaftersnumb
18749 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18750 {\cftsubsubsecfont #1}\nobreak
18751 \cftsubsubsecfillnum{#2}}
18752 \fi}
18753 \renewcommand*{\l@paragraph}[2]{%
18754 \ifnum \c@tocdepth >3\relax
18755 \vskip \cftbeforeparaskip
18756 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
18757 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18758 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18759 \parindent \cftparaindent\relax\@afterindenttrue
18760 \interlinepenalty\@M
18761 \leavevmode
18762 \@tempdima \cftparanumwidth\relax
18763 \let\@cftbsnum \cftparapresnum
18764 \let\@cftasnum \cftparaaftersnum
18765 \let\@cftasnumb \cftparaaftersnumb
18766 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18767 {\cftparafont #1}\nobreak
18768 \cftparafillnum{#2}}
18769 \fi}
18770 \renewcommand*{\l@subparagraph}[2]{%
18771 \ifnum \c@tocdepth >4\relax
18772 \vskip \cftbeforesubparaskip
18773 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
18774 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18775 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18776 \parindent \cftsubparaindent\relax\@afterindenttrue
18777 \interlinepenalty\@M
18778 \leavevmode
18779 \@tempdima \cftsubparanumwidth\relax
18780 \let\@cftbsnum \cftsubparapresnum
18781 \let\@cftasnum \cftsubparaaftersnum
18782 \let\@cftasnumb \cftsubparaaftersnumb
18783 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18784 {\cftsubparafont #1}\nobreak
18785 \cftsubparafillnum{#2}}
18786 \fi}
18787 \renewcommand*{\l@figure}[2]{%
18788 \ifnum \c@lofdepth >\z@
18789 \vskip \cftbeforefigskip
18790 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
18791 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18792 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18793 \parindent \cftfigindent\relax\@afterindenttrue

```



```

18794 \interlinepenalty\@M
18795 \leavevmode
18796 \@tempdima \cftfignumwidth\relax
18797 \let\@cftbsnum \cftfigpresnum
18798 \let\@cftasnum \cftfigaftersnum
18799 \let\@cftasnumb \cftfigaftersnumb
18800 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
18801 {\cftfigfont #1}\nobreak
18802 \cftfigfillnum{#2}}
18803 \fi
18804 }
18805 \renewcommand*{\l@table}[2]{%
18806 \ifnum\c@lotdepth >\z@
18807 \vskip \cftbeforetabskip
18808 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
18809 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18810 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18811 \parindent \cfttabindent\relax\@afterindenttrue
18812 \interlinepenalty\@M
18813 \leavevmode
18814 \@tempdima \cfttabnumwidth\relax
18815 \let\@cftbsnum \cfttabpresnum
18816 \let\@cftasnum \cfttabaftersnum
18817 \let\@cftasnumb \cfttabaftersnumb
18818 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
18819 {\cfttabfont #1}\nobreak
18820 \cfttabfillnum{#2}}
18821 \fi
18822 }
18823 \renewcommand{\@cftl@subfig}{
18824 \renewcommand*{\l@subfigure}[2]{%
18825 \ifnum \c@lofdepth > \toclevel@subfigure
18826 \vskip \cftbeforesubfigskip
18827 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
18828 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18829 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18830 \parindent \cftsubfigindent\relax\@afterindenttrue
18831 \interlinepenalty\@M
18832 \leavevmode
18833 \@tempdima \cftsubfignumwidth\relax
18834 \let\@cftbsnum \cftsubfigpresnum
18835 \let\@cftasnum \cftsubfigaftersnum
18836 \let\@cftasnumb \cftsubfigaftersnumb
18837 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
18838 {\cftsubfigfont ##1}\nobreak
18839 \cftsubfigfillnum{##2}}
18840 \fi
18841 }
18842 }
18843 \renewcommand{\@cftl@subtab}{

```



```

18844 \renewcommand*{\l@subtable}[2]{%
18845   \ifnum \c@lotdepth > \toclevel@subtable
18846     \vskip \cftbeforesubtabskip
18847     {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
18848     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18849     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18850     \parindent \cftsubtabindent\relax\@afterindenttrue
18851     \interlinepenalty\@M
18852     \leavevmode
18853     \@tempdima \cftsubtabnumwidth\relax
18854     \let\@cftbsnum \cftsubtabpresnum
18855     \let\@cftasnum \cftsubtabaftersnum
18856     \let\@cftasnumb \cftsubtabaftersnumb
18857     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18858     {\cftsubtabfont ##1}\nobreak
18859     \cftsubtabfillnum{##2}}
18860   \fi
18861 }
18862 }
18863 \renewcommand{\newlistentry}[4][\@empty]{%
18864   \@ifundefined{c@#2}{%    check & set the counter
18865     \ifx \@empty#1\relax
18866       \newcounter{#2}
18867     \else
18868       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
18869         {#1 has no counter for use as a `within'}
18870         \newcounter{#2}}%
18871       {\newcounter{#2}[#1}%
18872       \expandafter\edef\csname the#2\endcsname{%
18873         \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}%
18874     \fi
18875     \setcounter{#2}{0}
18876   }
18877   {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
18878 }
18879 \@namedef{l@#2}##1##2{%
18880   \ifnum \@nameuse{c@#3depth} > #4\relax
18881     \vskip \@nameuse{cftbefore#2skip}
18882     {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
18883     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18884     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18885     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
18886     \interlinepenalty\@M
18887     \leavevmode
18888     \@tempdima \@nameuse{cft#2numwidth}\relax
18889     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
18890     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
18891     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
18892     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18893     {\@nameuse{cft#2font}##1}\nobreak

```



```

18894 \nameuse{cft#2fillnum}{##2}}
18895 \fi
18896 } % end of \l@#2
18897
18898 \expandafter\newlength\csname cftbefore#2skip\endcsname
18899 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
18900 \expandafter\newlength\csname cft#2indent\endcsname
18901 \expandafter\newlength\csname cft#2numwidth\endcsname
18902 \ifcase #4\relax % 0
18903 \setlength{\@nameuse{cft#2indent}}{0em}
18904 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
18905 \or % 1
18906 \setlength{\@nameuse{cft#2indent}}{1.5em}
18907 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
18908 \or % 2
18909 \setlength{\@nameuse{cft#2indent}}{3.8em}
18910 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
18911 \or % 3
18912 \setlength{\@nameuse{cft#2indent}}{7.0em}
18913 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
18914 \else % anything else
18915 \setlength{\@nameuse{cft#2indent}}{10.0em}
18916 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
18917 \fi
18918 \@namedef{cft#2font}{\normalfont}
18919 \@namedef{cft#2presnum}{\}
18920 \@namedef{cft#2aftersnum}{\}
18921 \@namedef{cft#2aftersnumb}{\}
18922 \@namedef{cft#2dotsep}{\cftdotsep}
18923 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
18924 \@namedef{cft#2pagefont}{\normalfont}
18925 \@namedef{cft#2afterpnum}{\}
18926 \@namedef{toclevel@#2}{#4}
18927 \@namedef{cft#2fillnum}##1{%
18928 \{\@nameuse{cft#2leader}\}\nobreak
18929 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
18930 } % end \newlistentry
18931 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
18932 {\ifRTL\rightskip\else\leftskip\fi \cftchapindent\relax
18933 \advance\ifRTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
18934 \ifRTL\leftskip\else\rightskip\fi \@tocrmarg\relax
18935 \textit{#1}\protect\par}}}

```

120 File tocbasic-xetex-bidi.def

```

18936 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
18937 \bidi@undef\scr@dte@def@l@undottedtocline
18938 \bidi@undef\scr@dte@undottedtocline@init
18939 \DeclareTOCEntryStyle{undottedtocline}[{%
18940 \DefineTOCEntryLengthOption{indent}%

```



```

18941 {scr@tso@}{@indent}{entry indent}%
18942 \DefineTOCEntryLengthOption{numwidth}%
18943 {scr@tso@}{@numwidth}{entry number width}%
18944 \@ifundefined{#1tocdepth}{%
18945 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18946 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18947 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18948 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18949 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18950 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18951 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18952 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18953 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18954 \expandafter\let\csname #1tocdepth\expandafter\endcsname
18955 \csname #1numdepth\endcsname
18956 }%
18957 }%
18958 }%
18959 }%
18960 }%
18961 }%
18962 }%
18963 }%
18964 }%
18965 }{}%
18966 \@ifundefined{scr@tso@#1@indent}{%
18967 \@ifundefined{scr@#1@tocindent}{%
18968 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18969 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18970 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18971 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18972 \scr@ifundefinedorrelax{1@chapter}{%
18973 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
18974 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18975 \ifstr{#1}{subsubsection}{%
18976 \@namedef{scr@tso@#1@indent}{3.8em}%
18977 }%
18978 \ifstr{#1}{paragraph}{%
18979 \@namedef{scr@tso@#1@indent}{7em}%
18980 }%
18981 \ifstr{#1}{subparagraph}{%
18982 \@namedef{scr@tso@#1@indent}{10em}%
18983 }%
18984 }%
18985 }%
18986 }%
18987 }%
18988 }%
18989 }{}%
18990 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%

```



```

18991         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18992         \ifstr{#1}{subsubsection}{%
18993             \@namedef{scr@tso@#1@indent}{7.0em}%
18994         }{%
18995             \ifstr{#1}{paragraph}{%
18996                 \@namedef{scr@tso@#1@indent}{10em}%
18997             }{%
18998                 \ifstr{#1}{subparagraph}{%
18999                     \@namedef{scr@tso@#1@indent}{12em}%
19000                 }{%
19001                     }%
19002                 }%
19003             }%
19004         }%
19005     }%
19006 }%
19007 }%
19008 }%
19009 }%
19010 }%
19011 }{%
19012     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19013 }%
19014 }{}%
19015 \@ifundefined{scr@tso@#1@numwidth}{%
19016     \@ifundefined{scr@#1@tocnumwidth}{%
19017         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19018             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19019                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19020                     \scr@ifundefinedorrelax{chapter}{%
19021                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19022                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19023                                 \ifstr{#1}{subsubsection}{%
19024                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
19025                                 }{%
19026                                     \ifstr{#1}{paragraph}{%
19027                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
19028                                     }{%
19029                                         \ifstr{#1}{subparagraph}{%
19030                                             \@namedef{scr@tso@#1@numwidth}{5m}%
19031                                         }{%
19032                                             }%
19033                                         }%
19034                                     }%
19035                                 }%
19036                             }%
19037                         }{%
19038                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19039                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19040                                     \ifstr{#1}{subsubsection}{%

```




```

19041         \@namedef{scr@tso@#1@numwidth}{3.1em}%
19042     }{%
19043         \ifstr{#1}{paragraph}{%
19044             \@namedef{scr@tso@#1@numwidth}{5em}%
19045         }{%
19046             \ifstr{#1}{subparagraph}{%
19047                 \@namedef{scr@tso@#1@numwidth}{6em}%
19048             }{%
19049                 }%
19050             }%
19051         }%
19052     }%
19053 }%
19054 }%
19055 }%
19056 }%
19057 }%
19058 }{%
19059     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19060 }%
19061 }{}%
19062 }]{%
19063     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19064         \ifnum \@nameuse{#1tocdepth}<\@ne
19065             \scr@ifundefinedorrelax{chapter}{%
19066                 \addpenalty\@secpenalty
19067                 \addvspace{1.0em \@plus\p@}%
19068             }{%
19069                 \addpenalty{-\@highpenalty}%
19070                 \vskip 1.0em \@plus\p@
19071             }%
19072         \else
19073             \addpenalty\@secpenalty
19074             \addvspace{1.0em \@plus\p@}%
19075         \fi
19076         \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19077         \begingroup
19078             \parindent \z@ \bidi@rightskip \@pnumwidth
19079             \parfillskip -\@pnumwidth
19080             \leavevmode
19081             \bfseries
19082             \advance\bidi@leftskip\@tempdima
19083             \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19084             \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19085             ##1%
19086             \nobreak
19087             \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19088             \par
19089             \penalty\@highpenalty
19090         \endgroup

```



```

19091 \fi
19092 }
19093
19094 \bidi@undef\scr@dte@def@l@targetocline
19095 \bidi@undef\scr@dte@largetocline@init
19096 \DeclareTOCEntryStyle{targetocline}[{%
19097 \DefineTOCEntryLengthOption{indent}%
19098 {scr@tso@}{@indent}{entry indent}%
19099 \@ifundefined{#1tocdepth}{%
19100 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19101 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19102 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19103 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19104 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19105 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19106 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19107 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19108 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19109 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19110 \csname #1numdepth\endcsname
19111 }%
19112 }%
19113 }%
19114 }%
19115 }%
19116 }%
19117 }%
19118 }%
19119 }%
19120 }{}%
19121 \@ifundefined{scr@tso@#1@indent}{%
19122 \@ifundefined{scr@#1@tocindent}{%
19123 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19124 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19125 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19126 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19127 \scr@ifundefinedorrelax{1@chapter}{%
19128 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19129 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19130 \ifstr{#1}{subsubsection}{%
19131 \@namedef{scr@tso@#1@indent}{3.8em}%
19132 }%
19133 \ifstr{#1}{paragraph}{%
19134 \@namedef{scr@tso@#1@indent}{7em}%
19135 }%
19136 \ifstr{#1}{subparagraph}{%
19137 \@namedef{scr@tso@#1@indent}{10em}%
19138 }%
19139 }%
19140 }%

```



```

19141         }%
19142     }%
19143 }%
19144 }{%
19145     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19146         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19147             \ifstr{#1}{subsubsection}{%
19148                 \@namedef{scr@tso@#1@indent}{7.0em}%
19149             }{%
19150                 \ifstr{#1}{paragraph}{%
19151                     \@namedef{scr@tso@#1@indent}{10em}%
19152                 }{%
19153                     \ifstr{#1}{subparagraph}{%
19154                         \@namedef{scr@tso@#1@indent}{12em}%
19155                     }{%
19156                         }%
19157                     }%
19158                 }%
19159             }%
19160         }%
19161     }%
19162 }%
19163 }%
19164 }%
19165 }%
19166 }{%
19167     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19168 }%
19169 }{}%
19170 }]{%
19171 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19172     \ifnum \@nameuse{#1tocdepth}<\@ne
19173         \scr@ifundefinedorrelax{chapter}{%
19174             \addpenalty\@secpenalty
19175             \addvspace{2.25em \@plus\p@}%
19176         }{%
19177             \addpenalty{-\@highpenalty}%
19178             \addvspace{2.25em \@plus\p@}%
19179         }%
19180     \else
19181         \addpenalty\@secpenalty
19182         \addvspace{2.25em \@plus\p@}%
19183     \fi
19184     \setlength\@tempdima{3em}%
19185     \begingroup
19186         \parindent \z@ \bidi@rightskip \@pnumwidth
19187         \parfillskip -\@pnumwidth
19188         \leavevmode
19189         \large
19190         \bfseries

```



```

19191 \advance\bidil@leftskip\@nameuse{scr@tso@#1@indent}%
19192 ##1%
19193 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19194 \par
19195 \nobreak
19196 \ifnum 0=
19197 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19198 \global\@nobreaktrue
19199 \everypar{\global\@nobreakfalse\everypar{}}%
19200 \fi
19201 \endgroup
19202 \fi
19203 }
19204
19205 \renewcommand*{\scr@dte@tocline}[3]{%
19206 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19207 \else
19208 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19209 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19210 {%
19211 \bidil@leftskip \@nameuse{scr@tso@#1@indent}\relax
19212 \bidil@rightskip \@tocrmarg
19213 \parfillskip -\bidil@rightskip
19214 \@nameuse{Ifscr@tso@#1@raggedpage}{%
19215 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19216 }{}%
19217 \parindent \@nameuse{scr@tso@#1@indent}\relax
19218 \@afterindenttrue
19219 \interlinepenalty\@M
19220 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19221 \addtolength\bidil@rightskip\@flushglue
19222 \else
19223 \def\reserved@a{\raggedright}%
19224 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19225 \addtolength\bidil@rightskip\@flushglue
19226 \else
19227 \renewcommand\reserved@a{\raggedright}%
19228 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19229 \addtolength\bidil@rightskip\@flushglue
19230 \fi
19231 \fi
19232 \fi
19233 \leavevmode
19234 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19235 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19236 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{%
19237 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19238 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19239 \fi
19240 }%

```



```

19241 }{}%
19242 \advance\bidil@leftskip \@tempdima
19243 \null\nobreak\hskip -\bidil@leftskip
19244 {%
19245   \usetocbasicnumberline
19246   \let\scr@dte@numberline@box\numberline@box
19247   \def\numberline@box##1{%
19248     \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19249     \global\scr@dte@tocline@numberwidth
19250     \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19251     \ifdim \scr@dte@tocline@numberwidth
19252       >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19253       \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19254     \fi
19255     \@nameuse{Ifscr@tso@#1@dynnumwidth}}{}{%
19256     \ifdim \scr@dte@tocline@numberwidth
19257       >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19258       +\@nameuse{scr@tso@#1@numsep}\relax
19259       \PackageWarning{tocbasic}%
19260     }{}%
19261     number width of #1 toc entries should be
19262     increased!\MessageBreak
19263     Currently used number width =
19264     \the\wd\scr@dte@tocline@numbox,\MessageBreak
19265     Wanted number separation
19266     \space\space\space =
19267     \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19268     Reserved number width \space\space\space\space\space\space =
19269     \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19270   }%
19271   \fi
19272 }%
19273 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19274 \@nameuse{Ifscr@tso@#1@breakafternumber}}{}%
19275   {\parfillskip\@flushglue\par}\nobreak\hskip-\bidil@leftskip
19276 }{}%
19277 }%
19278 \@nameuse{scr@tso@#1@entryformat}}{}%
19279 #2%
19280 \nobreak
19281 {%
19282   \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
19283   \nobreak
19284   \@nameuse{scr@tso@#1@pagenumberbox}}{}%
19285   \@nameuse{scr@tso@#1@pagenumberformat}}{#3}%
19286 }%
19287 }%
19288 \@par
19289 }%
19290 }%

```



```

19291 }%
19292 \tocbasic@SetPenaltyByTOCLevel{#1}%
19293 \fi
19294 }
19295
19296 \bidi@undef\scr@dte@def@l@tocline
19297 \bidi@undef\scr@dte@tocline@init
19298 \DeclareTOCEntryStyle{tocline}[{%
19299 \DefineTOCEntryLengthOption{beforeskip}%
19300 {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19301 \DefineTOCEntryIfOption{breakafternumber}%
19302 {scr@tso@}{@breakafternumber}{line break after number flag}%
19303 \DefineTOCEntryIfOption{dynnumwidth}%
19304 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19305 \DefineTOCEntryCommandOption{entryformat}%
19306 {scr@tso@}{@entryformat}[1]{entry format}%
19307 \DefineTOCEntryCommandOption{entrynumberformat}%
19308 {scr@tso@}{@numberformat}[1]{entry number format}%
19309 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19310 {scr@tso@}{@linefill}{filling between text and page number}%
19311 \DefineTOCEntryLengthOption{numsep}%
19312 {scr@tso@}{@numsep}{entry number separation}%
19313 \DefineTOCEntryCommandOption{onstarthigherlevel}%
19314 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19315 \DefineTOCEntryCommandOption{onstartlowerlevel}%
19316 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19317 \DefineTOCEntryCommandOption{onstartsamelevel}%
19318 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19319 \DefineTOCEntryCommandOption{pagenumberbox}%
19320 {scr@tso@}{@pagenumberbox}[1]{page number box}%
19321 \DefineTOCEntryCommandOption{pagenumberformat}%
19322 {scr@tso@}{@pagenumberformat}[1]{page number format}%
19323 \DefineTOCEntryOption{raggedentrytext}[true]{%
19324 \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
19325 \ifx\FamilyKeyState\FamilyKeyStateProcessed
19326 \if@tempswa
19327 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19328 \raggedright
19329 \else
19330 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19331 \relax
19332 \fi
19333 \fi
19334 }%
19335 \DefineTOCEntryIfOption{raggedpagenumber}%
19336 {scr@tso@}{@raggedpage}{page number ragged flag}%
19337 \DefineTOCEntryLengthOption{indent}%
19338 {scr@tso@}{@indent}{entry indent}%
19339 \DefineTOCEntryLengthOption{numwidth}%
19340 {scr@tso@}{@numwidth}{entry number width}%

```



```

19341 \scr@ifundefinedorrelax{#1tocdepth}{%
19342   \ifstrstart{#1}{sub}{%
19343     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
19344       \expandafter\edef\csname #1tocdepth\endcsname{%
19345         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19346       }%
19347     }%
19348   }{%
19349 }{%
19350 \@ifundefined{#1tocdepth}{%
19351   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19352   \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19353   \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19354     \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19355       \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19356         \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19357           \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19358             \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19359             \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19360               \expandafter\let\csname #1tocdepth\endcsname
19361               \csname #1numdepth\endcsname
19362             }%
19363           }%
19364         }%
19365       }%
19366     }%
19367   }%
19368 }%
19369 }%
19370 }%
19371 }{%
19372 \scr@ifundefinedorrelax{\scr@tso@#1@indent}{%
19373   \@ifundefined{\scr@#1@tocindent}{%
19374     \ifstrstart{#1}{sub}{%
19375       \scr@ifundefinedorrelax{\scr@tso@\scr@dte@nosub{#1}@indent}{%
19376         \scr@ifundefinedorrelax{\scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19377           \expandafter\edef\csname \scr@tso@#1@indent\endcsname{%
19378             \glueexpr \noexpand\@nameuse{\scr@tso@\scr@dte@nosub{#1}@numwidth}%
19379             \relax
19380           }%
19381         }%
19382       }%
19383       \scr@ifundefinedorrelax{\scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19384         \expandafter\edef\csname \scr@tso@#1@indent\endcsname{%
19385           \glueexpr \noexpand\@nameuse{\scr@tso@\scr@dte@nosub{#1}@indent}%
19386           \relax
19387         }%
19388       }{%
19389         \expandafter\edef\csname \scr@tso@#1@indent\endcsname{%
19390           \glueexpr \noexpand\@nameuse{\scr@tso@\scr@dte@nosub{#1}@indent}%

```



```

19391             +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19392             \relax
19393         }%
19394     }%
19395 }%
19396 }{}%
19397 }{%
19398     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19399 }%
19400 }{}%
19401 \@ifundefined{scr@tso@#1@indent}{%
19402     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19403     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19404     \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19405     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19406     \scr@ifundefinedorrelax{1@chapter}{%
19407     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19408     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19409     \ifstr{#1}{subsubsection}{%
19410     \@namedef{scr@tso@#1@indent}{3.8em}%
19411     }{%
19412     \ifstr{#1}{paragraph}{%
19413     \@namedef{scr@tso@#1@indent}{7em}%
19414     }{%
19415     \ifstr{#1}{subparagraph}{%
19416     \@namedef{scr@tso@#1@indent}{10em}%
19417     }{%
19418     }%
19419     }%
19420     }%
19421     }%
19422     }%
19423     }{%
19424     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19425     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19426     \ifstr{#1}{subsubsection}{%
19427     \@namedef{scr@tso@#1@indent}{7.0em}%
19428     }{%
19429     \ifstr{#1}{paragraph}{%
19430     \@namedef{scr@tso@#1@indent}{10em}%
19431     }{%
19432     \ifstr{#1}{subparagraph}{%
19433     \@namedef{scr@tso@#1@indent}{12em}%
19434     }{%
19435     }%
19436     }%
19437     }%
19438     }%
19439     }%
19440     }%

```




```

19441         }%
19442     }%
19443 }%
19444 }%
19445 }{}%
19446 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19447     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19448         \ifstrstart{#1}{sub}{%
19449             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19450             \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19451                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19452                     +.9em%
19453             }%
19454         }%
19455     }%
19456 }{}%
19457 }{%
19458     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19459 }%
19460 }{}%
19461 \@ifundefined{scr@tso@#1@numwidth}{%
19462     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19463         \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19464             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19465                 \scr@ifundefinedorrelax{chapter}{%
19466                     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19467                         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19468                             \ifstr{#1}{subsubsection}{%
19469                                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19470                             }{%
19471                                 \ifstr{#1}{paragraph}{%
19472                                     \@namedef{scr@tso@#1@numwidth}{4.1em}%
19473                                 }{%
19474                                     \ifstr{#1}{subparagraph}{%
19475                                         \@namedef{scr@tso@#1@numwidth}{5m}%
19476                                     }{%
19477                                         }%
19478                                     }%
19479                                 }%
19480                             }%
19481                         }%
19482                     }{}%
19483                 }%
19484             }%
19485             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19486                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19487                     \ifstr{#1}{subsubsection}{%
19488                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
19489                     }{%
19490                         \ifstr{#1}{paragraph}{%
19491                             \@namedef{scr@tso@#1@numwidth}{5em}%
19492                         }{%
19493                             }%
19494                         }%
19495                     }%
19496                 }%
19497             }%
19498         }%
19499     }%

```



```

19491         \ifstr{#1}{subparagraph}{%
19492             \@namedef{scr@tso@#1@numwidth}{6em}%
19493         }{%
19494             }%
19495         }%
19496     }%
19497 }%
19498 }%
19499 }%
19500 }%
19501 }%
19502 }%
19503 }{}%
19504 \expandafter\renewcommand%
19505 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19506 \expandafter\renewcommand%
19507 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19508 \expandafter\renewcommand%
19509 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19510 \@ifundefined{scr@tso@#1@beforeskip}{%
19511     \ifstr{#1}{part}{%
19512         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19513     }{%
19514         \ifstr{#1}{chapter}{%
19515             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19516         }{%
19517             \ifstr{#1}{section}{%
19518                 \scr@ifundefinedorrelax{1@chapter}{%
19519                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19520                 }{}%
19521             }{}%
19522         }%
19523     }%
19524     \expandafter\renewcommand\expandafter*%
19525     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19526 }{}%
19527 \@ifundefined{scr@dte@#1@maxnumwidth}{%
19528     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19529     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19530 }{}%
19531 \renewcommand*{\scr@dte@donumwidth}{}%
19532 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19533 \expandafter\renewcommand\expandafter*%
19534 \csname scr@tso@#1@numsep\endcsname{.4em}%
19535 \expandafter\renewcommand%
19536 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
19537 \ifstr{#1}{part}{%
19538     \expandafter\renewcommand%
19539     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
19540 }{%

```



```

19541 \ifstr{#1}{chapter}{%
19542   \expandafter\renewcommand%
19543   \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19544 }{%
19545   \scr@ifundefinedorrelax{1@chapter}{%
19546     \ifstr{#1}{section}{%
19547       \expandafter\renewcommand%
19548       \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19549     }{}%
19550   }{}%
19551   \expandafter\renewcommand%
19552   \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
19553 }%
19554 }%
19555 \expandafter\renewcommand
19556 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
19557 \@ifundefined{scr@tso@#1@linefill}{%
19558   \ifstr{#1}{part}{%
19559     \@namedef{scr@tso@#1@linefill}{\hfill}%
19560   }{%
19561     \ifstr{#1}{chapter}{%
19562       \@namedef{scr@tso@#1@linefill}{\hfill}%
19563     }{%
19564       \scr@ifundefinedorrelax{1@chapter}{%
19565         \ifstr{#1}{section}{%
19566           \@namedef{scr@tso@#1@linefill}{\hfill}%
19567         }{}
19568       }{}
19569       \expandafter\renewcommand%
19570       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19571     }%
19572   }%
19573 }{}%
19574 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
19575 \ifstr{#1}{part}{%
19576   \expandafter\renewcommand%
19577   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
19578 }{%
19579   \expandafter\renewcommand%
19580   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19581     {\normalfont\normalcolor ##1}}%
19582 }%
19583 \expandafter\renewcommand%
19584 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
19585   \hb@xt@\@pnumwidth{\hfil ##1}}%
19586 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
19587 }{}%
19588 \scr@dte@tocline{#1}{##1}{##2}%
19589 }
19590

```



121 File tocstyle-xetex-bidi.def

```

19591 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
19592 \renewcommand*{\tocstyle@dottedtocline}[5]{%
19593   \let\numberline\tocstyle@numberline
19594   \ifnum #1>\c@tocdepth \else
19595     \if@tocstyle@penalties
19596       \begingroup
19597         \@tempcnta 20010
19598         \advance \@tempcnta by -#1
19599         \ifnum \@tempcnta>\lastpenalty
19600           \aftergroup\penalty\aftergroup\@lowpenalty
19601         \fi
19602       \endgroup
19603     \fi
19604     \edef\tocstyledepth{#1}%
19605     \tocstyle@activate@features
19606     \ifx\tocstyle@feature@entryvskip\relax
19607       \vskip \z@ \@plus.2\p@
19608     \else
19609       \addvspace{\tocstyle@feature@entryvskip}%
19610     \fi
19611     {%
19612       \parskip \z@ \parindent \z@ \if@RTL\righskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
19613       \tocstyle@feature@raggedhook
19614       \@tempdima #3\relax
19615       \@tempdimb #2\relax
19616       \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19617       \ifnum #1>\z@\relax
19618         \@tempcnta #1\relax \advance\@tempcnta \m@ne
19619         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19620           \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19621             \@tempdimb
19622             \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19623             \advance\@tempdimb
19624             \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19625           \fi
19626         \fi
19627       \fi
19628       \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19629       \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
19630         \ifdim \@tempdimb>
19631           \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
19632           \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19633             @#1\endcsname{\the\@tempdimb}%
19634         \fi
19635       \else
19636         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19637           @#1\endcsname{\the\@tempdimb}%
19638       \fi

```



```

19639 \iftocstyle@autolength
19640 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19641 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19642 \relax
19643 \fi
19644 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19645 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19646 \relax
19647 \fi
19648 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19649 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19650 \else
19651 \@tempdimb #2\relax
19652 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19653 \fi
19654 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
19655 \ifdim \@tempdima>
19656 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
19657 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19658 @\endcsname{\the\@tempdima}%
19659 \fi
19660 \else
19661 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19662 @\endcsname{\the\@tempdima}%
19663 \fi
19664 \ifcase\tocstyle@indentstyle\relax\else
19665 \@tempdimb \z@
19666 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19667 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19668 \relax
19669 \fi
19670 \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19671 \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19672 \fi
19673 \advance\parindent \@tempdimb\@afterindenttrue
19674 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
19675 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19676 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19677 \ifx\tocstyle@feature@parfillskip\relax\else
19678 \advance\parfillskip \tocstyle@feature@parfillskip\relax
19679 \fi
19680 \interlinepenalty\@M
19681 \leavevmode
19682 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
19683 \null\nobreak
19684 \iftocstyle@indentnotnumbered\else
19685 \hskip -\if@RTL\rightskip\else\leftskip\fi
19686 \fi
19687 \tocstyle@feature@entryhook
19688 {#4}\nobreak

```



```

19689 \ifx\tocstyle@feature@leaders\relax
19690 \leaders\hbox{$\m@th
19691 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
19692 \mkern \@dotsep mu$}\hfill
19693 \else
19694 \tocstyle@feature@leaders
19695 \fi
19696 \nobreak
19697 \ifx\tocstyle@feature@pagenumberbox\relax
19698 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
19699 \else
19700 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
19701 \fi
19702 \par
19703 }%
19704 \if\tocstyle@penalties
19705 \bgroup
19706 \@tempcnta 20009
19707 \advance\@tempcnta by -#1
19708 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
19709 \reserved@a
19710 \fi
19711 \fi}
19712 \renewcommand*{\tocstyle@numberline}[1]{%
19713 \begingroup
19714 \ifx\tocstyle@feature@spaceafternumber\relax
19715 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
19716 \else
19717 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
19718 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
19719 \fi
19720 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
19721 \ifdim \@tempdima >
19722 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
19723 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19724 @\tocstyledepth\endcsname{\the\@tempdima}%
19725 \fi
19726 \else
19727 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19728 @\tocstyledepth\endcsname{\the\@tempdima}%
19729 \fi
19730 \endgroup
19731 \iftocstyle@indentnotnumbered
19732 \hskip -\if@RTL\rightskip\else\leftskip\fi
19733 \fi
19734 \ifcase \tocstyle@indentstyle
19735 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
19736 \or
19737 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
19738 \else

```



```

19739 \ifx\tocstyle@feature@spaceafternumber\relax
19740 \hbox{\tocstyle@@numberline{#1}\enskip}%
19741 \else
19742 \hbox{\tocstyle@@numberline{#1}\hskip
19743 \tocstyle@feature@spaceafternumber\relax}%
19744 \fi
19745 \fi
19746 }
19747 \AtBeginDocument{%
19748 \ifcsname l@part\endcsname
19749 \ifcsname l@chapter\endcsname
19750 \setbox\@tempboxa\vbox{\hsize\maxdimen
19751 \l@part{\tocstyle@l@define{part}{-1}}{}}%
19752 \else
19753 \setbox\@tempboxa\vbox{\hsize\maxdimen
19754 \l@part{\tocstyle@l@define{part}{0}}{}}%
19755 \fi
19756 \fi
19757 \ifcsname l@chapter\endcsname
19758 \setbox\@tempboxa\vbox{\hsize\maxdimen
19759 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
19760 \fi
19761 \ifcsname l@section\endcsname
19762 \setbox\@tempboxa\vbox{\hsize\maxdimen
19763 \l@section{\tocstyle@l@define{section}{1}}{}}%
19764 \fi
19765 \ifcsname l@subsection\endcsname
19766 \setbox\@tempboxa\vbox{\hsize\maxdimen
19767 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
19768 \fi
19769 \ifcsname l@subsubsection\endcsname
19770 \setbox\@tempboxa\vbox{\hsize\maxdimen
19771 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
19772 \fi
19773 \ifcsname l@paragraph\endcsname
19774 \setbox\@tempboxa\vbox{\hsize\maxdimen
19775 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
19776 \fi
19777 \ifcsname l@subparagraph\endcsname
19778 \setbox\@tempboxa\vbox{\hsize\maxdimen
19779 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
19780 \fi
19781 \ifcsname l@table\endcsname
19782 \setbox\@tempboxa\vbox{\hsize\maxdimen
19783 \l@table{\tocstyle@l@define{table}{1}}{}}%
19784 \fi
19785 \ifcsname l@figure\endcsname
19786 \setbox\@tempboxa\vbox{\hsize\maxdimen
19787 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
19788 \fi

```



```

19789 \def\@tempa#1#2#3#4#5{%
19790 \ifnum #1>\c@tocdepth \else
19791 \vskip \z@ \@plus.2\p@
19792 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
19793 \parindent #2\relax\@afterindenttrue
19794 \interlinepenalty\@M
19795 \leavevmode
19796 \@tempdima #3\relax
19797 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19798 {#4}\nobreak
19799 \leaders\hbox{$\m@th
19800 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19801 mu$}\hfill
19802 \nobreak
19803 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
19804 \par}%
19805 \fi}%
19806 \ifx\@dottedtocline\@tempa\else
19807 \tocstyle@macrochangewarning\@dottedtocline
19808 \fi
19809 \let\tocstyle@saved@dottedtocline\@dottedtocline
19810 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
19811 \ifx\numberline\@tempa\else
19812 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
19813 \ifx\numberline\@tempa\else
19814 \tocstyle@macrochangewarning\numberline
19815 \fi
19816 \fi
19817 \let\tocstyle@saved@numberline\numberline
19818 }
19819 \renewcommand*{\tocstyle@l@define}[2]{%
19820 \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
19821 \edef\@tempa{%
19822 \noexpand\global\noexpand\let
19823 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
19824 \expandafter\noexpand\csname l@#1\endcsname
19825 \noexpand\gdef
19826 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
19827 \noexpand\@dottedtocline{#2}{\the\if@RTL\righskip\else\leftskip\fi}{\the\@tempdima}}%
19828 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
19829 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
19830 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
19831 }%
19832 }%
19833 \PackageInfo{tocstyle}{prepare \expandafter\string
19834 \csname l@#1\endcsname\space for redefinition}%
19835 \@tempa
19836 }

```



122 File todonotes-xetex-bidi.def

```

19837 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
19838 \newif\if@bidi@todonotes@textdirection@RTL
19839 \newif\if@bidi@todonotes@figposition@right
19840 \newcommand{\@bidi@todonotes@align}{}%
19841 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
19842 \newcommand{\@bidi@todonotes@textdirection}{}%
19843 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
19844 \ifcase\@bidi@todonotes@tempb\relax
19845 \@bidi@todonotes@textdirection@RTLtrue
19846 \let\@bidi@todonotes@textdirection\RLE
19847 \or
19848 \@bidi@todonotes@textdirection@RTLfalse
19849 \let\@bidi@todonotes@textdirection\LRE
19850 \fi}
19851 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
19852 \ifcase\@bidi@todonotes@tempb\relax
19853 \@bidi@todonotes@figposition@righttrue
19854 \or
19855 \@bidi@todonotes@figposition@rightfalse
19856 \fi}
19857 \if@todonotes@disabled%
19858 \else % \if@todonotes@disabled
19859 \renewcommand{\@todonotes@drawInlineNote}{%
19860 \if@todonotes@dviStyle%
19861 {\par\noindent\begin{tikzpicture}[remember picture]%
19862 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19863 \if@todonotes@authorgiven%
19864 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19865 \else%
19866 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19867 \fi
19868 {\par\noindent\begin{tikzpicture}[remember picture]%
19869 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19870 \else%
19871 {\par\noindent\begin{tikzpicture}[remember picture]%
19872 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19873 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al.
19874 \if@todonotes@authorgiven%
19875 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19876 \else%
19877 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19878 \fi};%
19879 \end{tikzpicture}\par}%
19880 \fi}%
19881 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
19882 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
19883 \node [coordinate] (inText) {};%
19884 \end{tikzpicture}%

```



```

19885 \marginpar[{\% Draw note in left margin
19886     \@todonotes@drawMarginNote%
19887     \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
19888 }]{\% Draw note in right margin
19889     \@todonotes@drawMarginNote%
19890     \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
19891 }%
19892 }%
19893 \renewcommand{\@todonotes@drawMarginNote}{\%
19894 \if@todonotes@dviStyle%
19895     \begin{tikzpicture}[remember picture]%
19896         \draw node[notestyle] {};%
19897     \end{tikzpicture}}\%
19898 \begin{minipage}{\@todonotes@textwidth}%
19899     \if@todonotes@authorgiven%
19900         \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
19901     \else%
19902         \@todonotes@sizecommand \@todonotes@text%
19903     \fi%
19904 \end{minipage}}\%
19905 \begin{tikzpicture}[remember picture]%
19906     \draw node[notestyle] (inNote) {};%
19907 \end{tikzpicture}%
19908 \else%
19909     \let\originalHbadness\hbadness%
19910     \hbadness 100000%
19911     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
19912         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19913         \node(X){\vphantom{X}};%
19914         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
19915             {\@todonotes@text}};%
19916         \if@todonotes@authorgiven%
19917             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
19918                 {\@todonotes@sizecommand\@todonotes@author}};%
19919             \node(Y)[below=of X]{};%
19920             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
19921                 {\@todonotes@text}};%
19922         \else%
19923             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
19924                 {\@todonotes@text}};%
19925         \fi%
19926     \end{tikzpicture}%
19927     \hbadness \originalHbadness%
19928 \fi}%
19929 \renewcommand{\missingfigure}[2][]{\%
19930 \setkeys{todonotes}{#1}%
19931 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
19932 \par
19933 \noindent
19934 \begin{tikzpicture}

```



```

19935 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
19936     (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
19937 \if@bidi@todonotes@figposition@right%
19938 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19939 \fi%
19940 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
19941     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
19942 \if@bidi@todonotes@figposition@right%
19943 \end{scope}
19944 \begin{scope}[xshift=-3.8cm]
19945 \fi%
19946 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19947 \draw (2, -0.3) node[right, text
19948     width=\@todonotes@currentfigwidth-4.5cm, align=\@bidi@todonotes@align] {#2};
19949 \if@bidi@todonotes@figposition@right%
19950 \end{scope}
19951 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19952 \fi%
19953 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19954 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19955 \if@bidi@todonotes@figposition@right%
19956 \end{scope}
19957 \fi%
19958 \end{tikzpicture}}\hfill
19959}% Ending \missingfigure command
19960 \fi % Ending \@todonotes@ifdisabled
19961 \presetkeys%
19962     {todonotes}%
19963     {align=left,%
19964     textdirection=lefttoright,%
19965     figposition=left}{}%

```

123 File wrapfig-xetex-bidi.def

```

19966 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
19967 \let\WF@@everypar\@everypar\@bidi@n@everypar
19968 \def\WF@putfigmaybe{%
19969 \ifinner
19970     \vskip-\parskip \global\WF@floatfalse
19971     \let\pagetotal\maxdimen % kludge flag for "not top of page"
19972 \else % outer page
19973     \@tempdima\pagedepth % save page depth
19974     {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
19975     \penalty\interlinepenalty % update pg. parameters
19976     \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
19977     \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
19978         \global\WF@floatfalse
19979     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
19980 \else
19981     \ifdim\WF@size>\@tempdimb

```



```

19982         \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
19983         \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
19984         \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
19985         \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
19986         \advance\dimen@.5\baselineskip
19987         \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
19988         \global\WF@floatfalse \pagebreak
19989         \fi
19990     \else % \WF@info{Fits in \the\@tempdimb;}%
19991         \global\WF@floatfalse
19992     \fi\fi
19993     \vskip\@tempdima\relax % (return erased page depth)
19994 \fi
19995 \noindent
19996 \ifWF@float
19997     \WF@fltmcs
19998 \else % putting here;
19999     \WF@info{Put \WF@wfname here;}%
20000     {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
20001         \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20002         \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20003     \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20004         \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20005         \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20006         \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20007         \xdef\WF@adjlw{\the\@tempdima}%
20008         \ifnum `l=\WF@place % fig on left
20009             \ifRTL%
20010                 \kern\@tempdimb \kern\columnsep
20011                 \def\@tempa{\hss}% position to left of the gap
20012                 \else%
20013                 \hss % figure overlaps space to the left
20014                 \def\@tempa{\kern\columnsep}% position to left of the gap
20015                 \fi%
20016             \else % fig on right
20017                 \ifRTL%
20018                     \hss
20019                     \@tempdima\z@
20020                     \def\@tempa{\kern\columnsep}
20021                 \else%
20022                 \@tempdima\z@ % no left indentation
20023                 \kern\@tempdimb \kern\columnsep
20024                 \def\@tempa{\hss}% figure overlaps space to the right
20025                 \fi%
20026             \fi
20027             \ifdim\@tempdimb<\hsize
20028                 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20029                 \xdef\WF@adjetlm{\the\@tempdima}%
20030             \else
20031                 \xdef\WF@wrapil{\z@ \the\hsize}%

```



```

20032 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
20033 \fi
20034 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20035 \global\advance\WF@size-\intextsep
20036 \else % \WF@info{Putting \WF@wfname in middle of page}%
20037 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20038 \fi \dp\WF@box\z@ \box\WF@box \@tempa
20039 }% end \hbox to Opt
20040 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20041 \fi}

```

124 File xcolor-xetex-bidi.def

```

20042 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for X
20043 \long\def\color@b@x#1#2#3%
20044 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20045 \setbox\z@ \hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20046 \dimen@ \ht\z@ \advance\dimen@\fbboxsep \ht\z@ \dimen@
20047 \dimen@ \dp\z@ \advance\dimen@\fbboxsep \dp\z@ \dimen@
20048 \ifdim\z@ > \dimen@ \color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@ \fi\ifmmode\else\if@RTL\endL\fi\fi}
20049 \def\normalcolor{\let\current@color\default@color\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20050 \DeclareRobustCommand\color
20051 {\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]
20052 \def\@undeclaredcolor[#1]#2%
20053 {\begingroup
20054 \let\@cls\@empty
20055 \XC@getmodclr12{#1}{#2}{}%
20056 {\ifblendcolors
20057 \ifx\colorblend\@empty\else
20058 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
20059 \XC@coremodel\@mod\@clr\@xcolor@{}}\@mod\@clr
20060 \fi
20061 \fi
20062 \ifconvertcolorsU
20063 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20064 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20065 \fi
20066 \ifmaskcolors
20067 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20068 \let\@mod\XC@mmod
20069 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20070 \expandafter\XC@mul\@tmp,\@clr
20071 \fi
20072 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20073 \expandafter\endgroup\@tmp}}
20074 \def\@declaredcolor#1%
20075 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20076 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20077 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20078 \ifconvertcolorsU\XC@tsttrue\fi

```



```

20079 \fi
20080 \ifXC@tst
20081 \expandafter\XC@declaredcolor\else
20082 \expandafter\XC@declaredcolor\fi}
20083 \def\XC@undeclaredcolor#1#2%
20084 {\@ifundefinedmodel{#1}%
20085 {\c@lor@error{model `#1'}}%
20086 {\@nameuse{color@#1}\current@color{#2}%
20087 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
20088 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20089 \def\XC@declaredcolor
20090 {\XC@let@Nc\XC@current@color{\string\color\XC@tmp}%
20091 \edef\current@color{\XC@current@color}%
20092 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20093 \DeclareRobustCommand\bidicolor
20094 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20095 \def\@bidiundeclaredcolor[#1]#2%
20096 {\beginR
20097 \let\@cls\@empty
20098 \XC@getmodclr12{#1}{#2}{}%
20099 {\ifblendcolors
20100 \ifx\colorblend\@empty\else
20101 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20102 \XC@coremodel\@mod\@clr\xcolor@{}{\@mod\@clr
20103 \fi
20104 \fi
20105 \ifconvertcolorsU
20106 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20107 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20108 \fi
20109 \ifmaskcolors
20110 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20111 \let\@mod\XC@mmod
20112 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20113 \expandafter\XC@mul\@tmp,\@clr
20114 \fi
20115 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20116 \expandafter\endR\@tmp}}
20117 \def\XC@bidiundeclaredcolor#1#2%
20118 {\@ifundefinedmodel{#1}%
20119 {\c@lor@error{model `#1'}}%
20120 {\@nameuse{color@#1}\current@color{#2}%
20121 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
20122 \XC@display}}
20123 \def\@bidideclaredcolor#1%
20124 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20125 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20126 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20127 \ifconvertcolorsU\XC@tsttrue\fi
20128 \fi

```



```

20129 \ifXC@@tst
20130   \expandafter\XC@bidideclaredcolor\else
20131   \expandafter\XC@bidideclaredcolor\fi}
20132 \def\XC@bidideclaredcolor
20133 {\XC@split\XC@@tmp
20134   \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}}%
20135   \expandafter\endgroup\@tmp}
20136 \def\XC@bidideclaredcolor
20137 {\XC@let\NC\XC@current@color{\string\color\XC@@tmp}%
20138   \edef\current@color{\XC@current@color}%
20139   \XC@display}
20140 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20141 \def\color@fbbox#1#2#3{\protect\color@fbx{#1}{#2}{#3}}
20142 \def\color@fbbox#1#2#3#4%
20143   {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
20144     {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20145 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode}

```

125 File latex-xetex-bidi.def

```

20146 \ProvidesFile{latex-xetex-bidi.def}[2017/12/29 v1.3.2 bidi adaptations for 'latex.ltx' for Xe
20147 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
20148 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
20149 \TeXXeTOn
20150 \def\bidi@RTL@everypar{\setbox\z@\lastbox\ifRTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20151   \let\bidi@o@everypar=\everypar
20152   \newtoks\bidi@n@everypar
20153   \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20154   \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20155   \let\everypar=\bidi@n@everypar
20156 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20157 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20158 \protected\def\hboxR{\hbox\bgroup
20159   \everyhbox{%
20160     \aftergroup\egroup
20161     \everyhbox{}}%
20162   \beginR
20163     \@hboxRconstructtrue
20164     \bgroup
20165     \aftergroup\endR
20166     \aftergroup\egroup
20167   }\hbox}
20168 \protected\def\hboxL{\hbox\bgroup
20169   \everyhbox{%
20170     \aftergroup\egroup
20171     \everyhbox{}}%
20172   \beginL
20173     \@hboxRconstructfalse
20174     \bgroup
20175     \aftergroup\endL

```



```

20176 \aftergroup\egroup
20177 }\hbox}
20178 \protected\def\ vboxR{\ vbox\ bgroup
20179 \everyvbox{%
20180 \aftergroup\egroup
20181 \everyvbox{}}%
20182 \@RTLtrue
20183 \@RTLtabtrue
20184 \bgroup
20185 \aftergroup\egroup
20186 }\ vbox}
20187 \protected\def\ vboxL{\ vbox\ bgroup
20188 \everyvbox{%
20189 \aftergroup\egroup
20190 \everyvbox{}}%
20191 \@RTLfalse
20192 \@RTLtabfalse
20193 \bgroup
20194 \aftergroup\egroup
20195 }\ vbox}
20196 \newcommand*{\ bidi@leftskip}{\ if@RTL\ rightskip\ else\ leftskip\ fi}
20197 \newcommand*{\ bidi@rightskip}{\ if@RTL\ leftskip\ else\ rightskip\ fi}
20198 \def\ LTR{\ par\ @RTLfalse\ @RTL@footnotefalse\ @RTLtabfalse\ hsize\ linewidth\ parshape\ z@}
20199 \def\ endLTR{\ par}
20200 \def\ RTL{\ par\ @RTLtrue\ @RTL@footnotetrue\ @RTLtabtrue\ hsize\ linewidth\ parshape\ z@}
20201 \def\ endRTL{\ par}
20202 \def\ setRTL{\ @RTLtrue\ @RTL@footnotetrue\ @RTLtabtrue}
20203 \def\ setLTR{\ @RTLfalse\ @RTL@footnotefalse\ @RTLtabfalse}
20204 \let\ unsetRTL=\ setLTR
20205 \let\ unsetLTR=\ setRTL
20206 \let\ LR=\ LRE
20207 \let\ RL=\ RLE
20208 \def\ @ensureRTL#1{\ if@RTL#1\ else\ RLE{#1}\ fi}
20209 \def\ @ensureLTR#1{\ if@RTL\ LRE{#1}\ else#1\ fi}
20210 \let\ @ensureRL=\ @ensureRTL
20211 \let\ @ensureLR=\ @ensureLTR
20212 \def\ @ensure@dir#1{\ if@RTL\ RLE{#1}\ else{#1}\ fi}
20213 \let\ @ensure@maindir=\ @ensure@dir
20214 \def\ @@RTL{RTL}
20215 \def\ @@LTR{LTR}
20216 \def\ save@dir{\ if@RTL\ gdef\ saved@@dir{RTL}\ else\ gdef\ saved@@dir{LTR}\ fi}
20217 \def\ reset@dir{\ ifx\ saved@@dir\ @@RTL\ setRTL\ else\ ifx\ saved@@dir\ @@LTR\ setLTR\ else\ relax\ fi\ fi}
20218 \let\ @@TeX\ TeX
20219 \def\ TeX{\ @ensure@LTR{\ @@TeX}}
20220 \let\ @@LaTeX\ LaTeX
20221 \def\ LaTeX{\ @ensure@LTR{\ @@LaTeX}}
20222 \let\ @@LaTeXe\ LaTeXe
20223 \def\ LaTeXe{\ @ensure@LTR{\ @@LaTeXe}}
20224 \long\def\ bidi@reflect@box#1{%
20225 \leavevmode

```




```

20226 \setbox\z@\hbox{{#1}}%
20227 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20228 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
20229 }
20230 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20231 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20232 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20233 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
20234 \let\setRL=\setRTL
20235 \let\setLR=\setLTR
20236 \let\unsetRL=\setLTR
20237 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
20238 \@ifpackageloaded{array}{%
20239 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20240 \leavevmode
20241 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
20242 \let\dollarend\end\group
20243 \@tabarray}
20244 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20245 }{%
20246 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20247 \leavevmode \hbox \bgroup
20248 $\left.\let\@acol\@tabacol
20249 \let\@classz\@tabclassz
20250 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20251
20252 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20253 \egroup\right\rbrace $\egroup}}
20254 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20255 \ialign{##\hfil$\&\quad{##}\hfil\crr#1\crr}}\,\right\}}
20256 \renewenvironment{RTLcases}{%
20257 \bidi@matrix@check\RTLcases\env@RTLcases
20258 }{%
20259 \endbidi@tabular@RTLcases%
20260 }
20261 \def\env@RTLcases{%
20262 \let\@ifnextchar\bidi@new@ifnextchar
20263 \def\arraystretch{1.2}%
20264 \bidi@tabular@RTLcases{\@r@{\quad}r@{}}%
20265 }
20266 \def\SepMark#1{\gdef\@SepMark{#1}}
20267 \SepMark{.}
20268 \def\@thmcountersep{\@SepMark}
20269 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20270 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20271 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20272 \newcommand*{\bidi@thebibliography@font@hook}{ }
20273 \def\list#1#2{%
20274 \ifnum \@listdepth >5\relax
20275 \@toodeep

```



```

20276 \else
20277   \global\advance\@listdepth\@ne
20278 \fi
20279 \rightmargin\z@
20280 \listparindent\z@
20281 \itemindent\z@
20282 \csname @list\romannumeral\the\@listdepth\endcsname
20283 \def\@itemlabel{#1}%
20284 \let\makelabel\@mklab
20285 \@nmbrlistfalse
20286 #2\relax
20287 \@trivlist
20288 \parskip\parsep
20289 \parindent\listparindent
20290 \advance\linewidth -\rightmargin
20291 \advance\linewidth -\leftmargin
20292 \if@bidi@list@minipage@parbox
20293 \if@RTL
20294 \advance\@totalleftmargin \leftmargin
20295 \else
20296 \advance\@totalleftmargin \rightmargin
20297 \fi
20298 \else
20299 \if@hboxRconstruct
20300 \if@bidi@list@minipage@parbox@not@nob
20301 \if@RTL
20302   \advance\@totalleftmargin \rightmargin
20303 \else
20304   \advance\@totalleftmargin \leftmargin
20305 \fi
20306 \else
20307 \if@RTL
20308 \advance\@totalleftmargin \leftmargin
20309 \else
20310 \advance\@totalleftmargin \rightmargin
20311 \fi\fi
20312 \else
20313 \if@RTL
20314   \advance\@totalleftmargin \rightmargin
20315 \else
20316   \advance\@totalleftmargin \leftmargin
20317 \fi\fi\fi
20318 \parshape \@ne \@totalleftmargin \linewidth
20319 \ignorespaces}
20320 \long\def\@iiparbox#1#2[#3]#4#5{%
20321 \leavevmode
20322 \@pboxswfalse
20323 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
20324 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
20325 \setlength\@tempdima{#4}%

```



```

20326 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
20327 \ifx\relax#2\else
20328 \setlength\@tempdimb{#2}%
20329 \edef\@parboxto{to\the\@tempdimb}%
20330 \fi
20331 \if#1b\vbox
20332 \else\if #1t\vtop
20333 \else\ifmmode\vcenter
20334 \else\@pboxswtrue $\vcenter
20335 \fi\fi\fi
20336 \@parboxto{\let\hss\vss\let\unhbox\unvbox
20337 \csname bm@#3\endcsname}%
20338 \if@pboxsw \m@th$\fi
20339 \@end@tempboxa}
20340 \def\@bidi@lrbox#1{%
20341 \edef\reserved@a{%
20342 \endgroup
20343 \setbox#1\hbox{%
20344 \begingroup\aftergroup}%
20345 \def\noexpand\@currentvir{\@currentvir}%
20346 \def\noexpand\@currentvline{\on@line}}%
20347 \reserved@a
20348 \@endpefalse
20349 \color@begingroup
20350 \ignorespaces}
20351 \def\@bidi@lrbox{\unskip\color@endgroup}
20352 \newenvironment{LTRitems}
20353 {\par\@RTLfalse\@RTLtabfalse
20354 \if@bidi@list@minipage@parbox
20355 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20356 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20357 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20358 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20359 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\ignorespaces}{\vskip\z@}
20360 \newenvironment{RTLitems}
20361 {\par\@RTLtrue\@RTLtabtrue
20362 \if@bidi@list@minipage@parbox
20363 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20364 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20365 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20366 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20367 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\ignorespaces}{\vskip\z@}
20368 \newenvironment{LTRbibitems}
20369 {\par\@RTLfalse\@RTLtabfalse
20370 \if@bidi@list@minipage@parbox
20371 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20372 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20373 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20374 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20375 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else

```



```

20376         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20377     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\
20378     \ignorespaces}{\vskip\z@}
20379 \newenvironment{RTLbibitems}
20380     {\par\@RTLtrue\@RTLtabtrue
20381     \if@bidi@list@minipage@parbox
20382     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20383     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20384     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20385     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20386     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
20387     \ignorespaces}{\vskip\z@}
20388 \def\raggedright{%
20389     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
20390     \leftskip\z@skip
20391     \parindent\z@\parfillskip\z@skip}
20392 \let\bidi@orig@raggedleft\raggedleft
20393 \let\bidi@orig@raggedright\raggedright
20394 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@hboxRcons
20395 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@hboxRcons
20396 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20397 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20398 \def\centerline#1{%
20399 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20400 \else\@@line{\hss#1\hss}\fi}
20401 \def\leftline#1{%
20402 \if@RTL\@@line{\beginR#1\endR\hss}
20403 \else\@@line{#1\hss}\fi}
20404 \def\rightline#1{%
20405 \if@RTL\@@line{\hss\beginR#1\endR}
20406 \else\@@line{\hss#1}\fi}
20407 \let\bidi@orig@leftline\leftline
20408 \let\bidi@orig@rightline\rightline
20409 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
20410 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\
20411 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20412 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20413 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20414     \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20415 \def\narrower{%
20416     \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20417     \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20418 \def\underline#1{%
20419     \relax
20420     \ifmmode\@@underline{#1}%
20421     \else
20422 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20423 \else
20424 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20425 \if@compatibility

```



```

20426 \let\undertext=\underline
20427 \fi
20428 \def\@tabular{%
20429 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20430 $\let\@acol\@tabacol
20431 \let\@classz\@tabclassz
20432 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20433 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20434 \egroup $\if@RTLtab\endR\fi\egroup}
20435 \expandafter \let \csname endtabular*\endcsname = \endtabular
20436 \def\@array[#1]#2{%
20437 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20438 \bgroup
20439 \setbox\@arstrutbox\hbox{%
20440 \vrule \@height\arraystretch\ht\strutbox
20441 \@depth\arraystretch \dp\strutbox
20442 \@width\z@}%
20443 \@mkpream{#2}%
20444 \edef\@preamble{%
20445 \ialign \noexpand\@halignto
20446 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20447 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20448 \let\@tabularnewline\%
20449 \let\par\@empty
20450 \let\@sharp##%
20451 \set@typeset@protect
20452 \lineskip\z@skip\baselineskip\z@skip
20453 \ifhmode \@preamerr\z@ \@@par\fi
20454 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
20455 \@preamble}
20456 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20457 \let\@classiv\@arrayclassiv
20458 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20459 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20460 \ifnum \@lastchclass=3 5 \else
20461 \z@ \if #1c\@chnum \z@ \else
20462 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
20463 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20464 \@chclass \if #1|\@one \else
20465 \if #1@\tw@ \else
20466 \if #1p3 \else \z@ \@preamerr 0\fi
20467 \fi \fi \fi \fi \fi \fi
20468 \fi}
20469 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20470 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20471 \def\bm@t{\unhbox\@tempboxa\hss}
20472 \def\bm@b{\hss\unhbox\@tempboxa}
20473 \def\@dottedtocline#1#2#3#4#5{%
20474 \ifnum #1>\c@tocdepth \else
20475 \vskip \z@ \@plus.2\p@

```



```

20476 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
20477 \parindent #2\relax\@afterindenttrue
20478 \interlinepenalty\@M
20479 \leavevmode
20480 \@tempdima #3\relax
20481 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
20482 {#4}\nobreak
20483 \leaders\hbox{$\m@th
20484 \mkern \dotsep mu\hbox{.}\mkern \dotsep
20485 mu$}\hfill
20486 \nobreak
20487 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20488 \par}%
20489 \fi}
20490
20491 \newcount\ bidi@column@check@number
20492
20493 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
20494
20495 \def\ bidi@set@column@status#1#2{%
20496 \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
20497
20498 \if@twocolumn
20499 \newcommand\DetectColumn[3][1]{%
20500 \ifx\ bidi@firstcolumn@status@write\relax
20501 \PackageError{bidi}%
20502 {Option 'DetectColumn' not selected}%
20503 {\string\DetectColumn\space
20504 requires the use of the 'DetectColumn'
20505 option on the package}%
20506 \fi
20507 \global\advance\ bidi@column@check@number\@ne
20508 \edef\ bidi@column@type{\expandafter\ifx
20509 \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
20510 0\else
20511 \csname bidi@column-\the\ bidi@column@check@number\endcsname
20512 \fi}%
20513 \ifcase \ bidi@column@type\relax
20514 \ifcase #1\or #2\or#3\fi % 0 not known use first column as default
20515 \or
20516 #2% % 1 First column
20517 \or
20518 #3% % 2 Second (Last column)
20519 \else
20520 \ERROR
20521 \fi
20522 \edef\next{\write\@auxout
20523 {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}%
20524 {\ bidi@column@type}}}%
20525 \next

```



```

20526 }
20527
20528 \AtEndDocument{\def\bidi@set@column@status#1#2{%
20529     \ifnum #2=\bidi@current@column@status\else
20530         \@tempswatrue
20531     \fi}%
20532 }
20533 \fi
20534
20535 \def\RTL@outputdblcol{%
20536     \if@firstcolumn
20537         \global\@firstcolumnfalse
20538         \global\setbox\@leftcolumn\copy\@outputbox
20539         \splitmaxdepth\maxdimen
20540         \vbadness\maxdimen
20541         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20542         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20543         \toks@\expandafter{\topmark}%
20544         \xdef\@firstcoltopmark{\the\toks@}%
20545         \toks@\expandafter{\splitfirstmark}%
20546         \xdef\@firstcolfirstmark{\the\toks@}%
20547         \ifx\@firstcolfirstmark\@empty
20548             \global\let\@setmarks\relax
20549         \else
20550             \gdef\@setmarks{%
20551                 \let\firstmark\@firstcolfirstmark
20552                 \let\topmark\@firstcoltopmark}%
20553         \fi
20554     \else
20555         \global\@firstcolumntrue
20556         \setbox\@outputbox\vbox{%
20557             \hb@xt@\textwidth{%
20558                 \hskip \columnwidth
20559                 \hfil
20560                 {\normalcolor\vrule \@width\columnseprule}%
20561                 \hfil
20562                 \hb@xt@\columnwidth{%
20563                     \bidi@firstcolumn@status@write%
20564                     \box\@leftcolumn \hss}%
20565                 \hskip -\textwidth
20566                 \hb@xt@\columnwidth{%
20567                     \bidi@lastcolumn@status@write%
20568                     \box\@outputbox \hss}%
20569                 \hskip \columnsep
20570                 \hskip \columnwidth }}%
20571     \@combinedblfloats
20572     \setmarks
20573     \outputpage
20574     \begingroup
20575     \@dblfloatplacement

```



```

20576 \startdblcolumn
20577 \@whiles\if@fcolmade \fi{\@outputpage
20578 \startdblcolumn}%
20579 \endgroup
20580 \fi}%
20581
20582 \def\LTR@outputdblcol{%
20583 \if@firstcolumn
20584 \global\@firstcolumnfalse
20585 \global\setbox\@leftcolumn\copy\@outputbox
20586 \splitmaxdepth\maxdimen
20587 \vbadness\maxdimen
20588 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20589 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20590 \toks@{\expandafter{\topmark}}%
20591 \xdef\@firstcoltopmark{\the\toks@}%
20592 \toks@{\expandafter{\splitfirstmark}}%
20593 \xdef\@firstcolfirstmark{\the\toks@}%
20594 \ifx\@firstcolfirstmark\@empty
20595 \global\let\@setmarks\relax
20596 \else
20597 \gdef\@setmarks{%
20598 \let\firstmark\@firstcolfirstmark
20599 \let\topmark\@firstcoltopmark}%
20600 \fi
20601 \else
20602 \global\@firstcolumntrue
20603 \setbox\@outputbox\vbox{%
20604 \hb@xt@\textwidth{%
20605 \hb@xt@\columnwidth{%
20606 \bidi@firstcolumn@status@write%
20607 \box\@leftcolumn \hss}%
20608 \hfil
20609 {\normalcolor\vrule \@width\columnseprule}%
20610 \hfil
20611 \hb@xt@\columnwidth{%
20612 \bidi@lastcolumn@status@write%
20613 \box\@outputbox \hss}}}%
20614 \@combinedblfloats
20615 \setmarks
20616 \@outputpage
20617 \beginingroup
20618 \@dblfloatplacement
20619 \startdblcolumn
20620 \@whiles\if@fcolmade \fi{\@outputpage
20621 \startdblcolumn}%
20622 \endgroup
20623 \fi}%
20624
20625

```




```

20626 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
20627 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
20628 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
20629 \def\LTRmarginpar{%
20630   \ifhmode
20631     \@bsphack
20632     \@floatpenalty -\@Mii
20633   \else
20634     \@floatpenalty-\@Miii
20635   \fi
20636   \ifinner
20637     \@parmoderr
20638     \@floatpenalty\z@
20639   \else
20640     \next\@currbox\@freelist{ }{}%
20641     \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20642     {\@floatpenalty\z@
20643       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20644   \fi
20645   \ifnextchar [\@LTRxmpar\@LTRympar}
20646 \long\def\@LTRxmpar[#1]#2{%
20647   \@LTRsavemarbox\@marbox{#1}%
20648   \@LTRsavemarbox\@currbox{#2}%
20649   \@xympar}
20650 \long\def\@LTRympar#1{%
20651   \@LTRsavemarbox\@marbox{#1}%
20652   \global\setbox\@currbox\copy\@marbox
20653   \@xympar}
20654 \long\def \@LTRsavemarbox #1#2{%
20655   \global\setbox #1%
20656     \color@vbox
20657     \vtop{%
20658       \hsize\marginparwidth
20659       \@parboxrestore
20660       \@LTRmarginparreset
20661       #2%
20662       \@minipagefalse
20663       \outer@nobreak
20664     }%
20665   \color@endbox
20666 }
20667 \def \@LTRmarginparreset {%
20668   \reset@font
20669   \normalsize
20670   \@minipagetrue
20671   \everypar{\@minipagefalse\everypar{}\beginL}%
20672 }
20673 \def\RTLmarginpar{%
20674   \ifhmode
20675     \@bsphack

```



```

20676 \floatpenalty -\@Mii
20677 \else
20678 \floatpenalty-\@Miii
20679 \fi
20680 \ifinner
20681 \@parmoderr
20682 \floatpenalty\z@
20683 \else
20684 \next\@currbox\@freelist{}\}%
20685 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20686 {\floatpenalty\z@
20687 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20688 \fi
20689 \@ifnextchar [\@RTLxmpar\@RTLympar}
20690 \long\def\@RTLxmpar[#1]#2{%
20691 \@RTLSavemarbox\@marbox{#1}%
20692 \@RTLSavemarbox\@currbox{#2}%
20693 \@xympar}
20694 \long\def\@RTLympar#1{%
20695 \@RTLSavemarbox\@marbox{#1}%
20696 \global\setbox\@currbox\copy\@marbox
20697 \@xympar}
20698 \long\def \@RTLSavemarbox #1#2{%
20699 \global\setbox #1%
20700 \color@vbox
20701 \vtop{%
20702 \hsize\marginparwidth
20703 \@parboxrestore
20704 \@RTLmarginparreset
20705 #2%
20706 \@minipagefalse
20707 \outer@nobreak
20708 }%
20709 \color@endbox
20710 }
20711 \def \@RTLmarginparreset {%
20712 \reset@font
20713 \normalsize
20714 \@minipagetrue
20715 \everypar{\@minipagefalse\everypar{}\beginR}%
20716 }
20717 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
20718 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
20719 \if@twocolumn
20720 \if@firstcolumn \@tempcnta\m@ne \fi
20721 \else
20722 \if@mparswitch
20723 \ifodd\c@page \else\@tempcnta\m@ne \fi
20724 \fi
20725 \if@reversemargin \@tempcnta -\@tempcnta \fi

```



```

20726 \fi
20727 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
20728 \@tempdima\@mparbottom
20729 \advance\@tempdima -\@pageht
20730 \advance\@tempdima\ht\@marbox
20731 \ifdim\@tempdima >\z@
20732 \latex@warning@no@line {Marginpar on page \thepage\space moved}%
20733 \else
20734 \@tempdima\z@
20735 \fi
20736 \global\@mparbottom\@pageht
20737 \global\advance\@mparbottom\@tempdima
20738 \global\advance\@mparbottom\dp\@marbox
20739 \global\advance\@mparbottom\marginparpush
20740 \advance\@tempdima -\ht\@marbox
20741 \global\setbox \@marbox
20742 \vbox {\vskip \@tempdima
20743 \box \@marbox}%
20744 \global \ht\@marbox \z@
20745 \global \dp\@marbox \z@
20746 \kern -\@pagedp
20747 \nointerlineskip
20748 \hb@xt@\columnwidth
20749 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
20750 \hskip\columnwidth \hskip\marginparsep
20751 \else
20752 \hskip -\marginparsep \hskip -\marginparwidth
20753 \fi
20754 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
20755 \nointerlineskip
20756 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
20757 \long\def\@ympar#1{%
20758 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
20759 \global\setbox\@currbox\copy\@marbox
20760 \@xympar}
20761 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
20762 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
20763 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
20764 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
20765 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
20766 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
20767 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
20768 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
20769 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
20770 \fi}
20771
20772 \newcommand*{\bidi@font@@outputpage}{\}
20773
20774 \def\@outputpage{%
20775 \begingroup % the \endgroup is put in by \aftergroup

```



```

20776 \let \protect \noexpand
20777 \@resetactivechars
20778 \global\let\@@if@newlist@if@newlist
20779 \global\@newlistfalse
20780 \@parboxrestore
20781 \shipout \vbox{%
20782   \set@typeset@protect
20783   \aftergroup \endgroup
20784   \aftergroup \set@typeset@protect
20785                                     % correct? or just restore by ending
20786                                     % the group?
20787 \if@specialpage
20788   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
20789 \fi
20790 \if@twoside
20791   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
20792   \if@RTLmain
20793     \let\@themargin\evensidemargin
20794   \else
20795     \let\@themargin\oddsidemargin
20796   \fi
20797 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
20798   \if@RTLmain
20799     \let\@themargin\oddsidemargin
20800   \else
20801     \let\@themargin\evensidemargin
20802   \fi
20803 \fi
20804 \ifx\@thehead\@empty \let\@thehead\hfil \fi
20805 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
20806 \else %% not @twoside
20807   \ifx\@oddhead\@empty \let\@thehead\hfil \fi
20808   \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
20809 \fi
20810 \reset@font
20811 \normalsize
20812 \bidi@font@@outputpage
20813 \normalsfcodes
20814 \let\label\@gobble
20815 \let\index\@gobble
20816 \let\glossary\@gobble
20817 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
20818 \begin@dv
20819 \vskip \topmargin
20820 \moveright\@themargin \vbox {%
20821   \setbox\@tempboxa \vbox to\headheight{%
20822     \vfil
20823     \color@hbox
20824     \normalcolor
20825     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@

```



```

20826         \color@endbox
20827     }%                               %% 22 Feb 87
20828     \dp\@tempboxa \z@
20829     \box\@tempboxa
20830     \vskip \headsep
20831     \box\@outputbox
20832     \ifvoid\@bidi@copyins@
20833     \else
20834         \vskip\skip\@bidi@copyins@
20835         \unvbox\@bidi@copyins@
20836     \fi
20837     \baselineskip \footskip
20838     \color@hbox
20839         \normalcolor
20840         \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
20841     \color@endbox
20842 }%
20843 }%
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20845 \global \@colht \textheight
20846 \stepcounter{page}%
20847 \let\firstmark\botmark
20848 }
20849 \long\def\@makecaption#1#2{%
20850     \vskip\abovecaptionskip
20851     \sbox\@tempboxa{#1: #2}%
20852     \ifdim \wd\@tempboxa >\hsize
20853         \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
20854     \else
20855         \global \@minipagefalse
20856         \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
20857     \fi
20858     \vskip\belowcaptionskip}
20859 \let\@bidi@saved@eqno=\eqno
20860 \let\@bidi@saved@leqno=\leqno
20861 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
20862 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
20863 \ifpackageloaded{amsmath}{%
20864 \def\@eqnnum{\@normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
20865 }
20866 \input{footnote-xetex-bidi.def}
20867 \if@twocolumn
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20869     \let\leftfootnoterule\relax
20870     \let\rightfootnoterule\relax
20871     \textwidthfootnoterule
20872 \fi
20873 \if@bidi@csundef{@idxitem}{%
20874 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
20875 }

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20917 }{}
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20973 \renewcommand*{\SC@justify@caption}{%
20974 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
20975 \renewcommand*{\SC@FLOAT}[2]{%

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