



The bidi *Package*

Documentation for *version 19.2*

to my Master, Ferdowsi The Great

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The *bid* Package

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

Documentation for [version 19.2](#)

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Contents

I	L^AT_EX Manual	4		
1	Basics	4		
1.1	Loading The Package	4	1.18	LTRitems and RTLitems Envi- ronments
1.2	bid's Symbol	5	1.19	LTbibitems and RTLbib- items Environments
1.3	Commands for Version number, and Date of The Package	6	1.20	\setLTRbibitems, \setRTLbibitems, and \setdefaultbibitems commands
1.4	Turning TeX--XeT features on and off	6	1.21	Typesetting margin par
1.5	Options of The Package	6	1.22	Typesetting of Headers and Footers
1.6	Paragraph Switching Commands	7	1.23	Tabular Typesetting
1.7	Paragraph Switching Environ- ments	8	1.24	Equation Numbers
1.8	Typesetting Short LTR and RTL Texts	8	2	Support For Various Packages and Classes
1.9	Footnotes	9	2.1	Color
1.9.1	Footnote Rule	10	2.2	The dblfnote package
1.10	Two Column Typesetting	10	2.3	Hyperref
1.11	RTL cases	11	2.4	The listings package
1.12	Typesetting Logos	11	2.5	flowfram Package
1.13	Separation Mark	11	2.6	Multicolumn Typesetting
1.14	\raggedright, \raggedleft commands, flushleft and flushright Environments	12	3	Extra bid Packages and Classes
1.15	Primitive-like commands	12	3.1	bid-longtable package
1.16	Something To know about \hbox	12	3.2	biditufte bundle
1.17	\bidillap and \bidirlap Commands	13	3.3	Typesetting T _E X and L ^A T _E X Codes
			3.4	Typesetting Poems
			3.5	Typesetting Resumé

3.6	Print Two Pages On A Single Page	20	7.7	amsthm-xetex-bidi.def	35
3.7	Producing Presentations	21	7.8	animate-xetex-bidi.def	35
4	Some Useful Internal Macros and Programming Tips	21	7.9	array-xetex-bidi.def	39
4.1	Equating Conditionals	21	7.10	article-xetex-bidi.def	40
4.2	RTL Conditional	21	7.11	artikel1-xetex-bidi.def	44
4.3	Main RTL Conditional	21	7.12	artikel2-xetex-bidi.def	49
4.4	Latin Conditional	21	7.13	artikel3-xetex-bidi.def	54
4.5	Tags Internal Macro	22	7.14	arydshln-xetex-bidi.def	60
4.6	Definition File Loaded Internal Macro	22	7.15	bidi.sty	62
4.7	Tabular Conditional	22	7.16	bidi.tex	65
4.8	Footnote Conditional	22	7.17	bidi2in1.sty	66
4.9	Direction Ensuring Macros	22	7.18	bidicode.sty	67
4.10	Reset Direction Macro	23	7.19	bidiftnextra.sty	70
II	Plain T_EX Manual	23	7.20	bidi-longtable.sty	74
5	Basics	23	7.21	bidimoderncv.cls	75
5.1	Loading The Package	23	7.22	biditools.sty	80
5.2	Commands for Version number, and Date of The Package	23	7.23	bidituftefloat.sty	103
5.3	Turning TeX--XeT features on and off	24	7.24	bidituftesidenote.sty	115
5.4	Paragraph Switching Commands	24	7.25	bidituftetoc.sty	126
5.5	Paragraph Switching Environments	24	7.26	bidituftegeneralstructure.sty	129
5.6	Typesetting Short LTR and RTL Texts	25	7.27	bidituftehyperref.sty	131
5.7	Primitive-like commands	26	7.28	bidituftetitle.sty	132
5.8	Something To know about \hbox	26	7.29	bidituft-handout.cls	135
5.9	Typesetting Logos	26	7.30	bidituft-book.cls	135
6	Some Useful Internal Macros and Programming Tips	26	7.31	bidipoem.sty	137
6.1	RTL Conditional	27	7.32	boek3-xetex-bidi.def	144
6.2	Main RTL Conditional	27	7.33	boek-xetex-bidi.def	147
6.3	Direction Ensuring Macros	27	7.34	bookest-xetex-bidi.def	151
6.4	Reset Direction Macro	27	7.35	book-xetex-bidi.def	152
7	bidi implementation	27	7.36	breqn-xetex-bidi.def	156
7.1	amsart-xetex-bidi.def	27	7.37	cals-xetex-bidi.def	157
7.2	adjmulticol-xetex-bidi.def	30	7.38	caption-xetex-bidi.def	158
7.3	algorithm2e-xetex-bidi.def	31	7.39	caption3-xetex-bidi.def	158
7.4	amsbook-xetex-bidi.def	32	7.40	colortbl-xetex-bidi.def	158
7.5	amsmath-xetex-bidi.def	34	7.41	color-xetex-bidi.def	159
7.6	amstext-xetex-bidi.def	34	7.42	combine-xetex-bidi.def	160
			7.43	crop-xetex-bidi.def	160
			7.44	cutwin-xetex-bidi.def	162
			7.45	cuted-xetex-bidi.def	163
			7.46	cvthemebidicasual.sty	170
			7.47	cvthemebidiclassic.sty	172
			7.48	dblfnote-xetex-bidi.def	175
			7.49	draftwatermark-xetex-bidi.def	178
			7.50	eso-pic-xetex-bidi.def	178
			7.51	empheq-xetex-bidi.def	179
			7.52	extarticle-xetex-bidi.def	182
			7.53	extbook-xetex-bidi.def	186
			7.54	extletter-xetex-bidi.def	189
			7.55	extrafootnotefeatures-xetex-bidi.def	190



7.56	extreport-xetex-bidi.def	227
7.57	fancybox-xetex-bidi.def	230
7.58	fancyhdr-xetex-bidi.def	231
7.59	fix2col-xetex-bidi.def	231
7.60	fleqn-xetex-bidi.def	232
7.61	float-xetex-bidi.def	233
7.62	floatrow-xetex-bidi.def	233
7.63	flowfram-xetex-bidi.def	234
7.64	footnote-xetex-bidi.def	236
7.65	framed-xetex-bidi.def	243
7.66	ftnright-xetex-bidi.def	247
7.67	graphicx-xetex-bidi.def	248
7.68	geometry-xetex-bidi.def	250
7.69	hvfloa-xetex-bidi.def	251
7.70	hyperref-xetex-bidi.def	257
7.71	leqno-xetex-bidi.def	268
7.72	letter-xetex-bidi.def	268
7.73	lettrine-xetex-bidi.def	269
7.74	listings-xetex-bidi.def	271
7.75	loadingorder-xetex-bidi.def	273
7.76	longtable-xetex-bidi.def	278
7.77	mdframed-xetex-bidi.def	280
7.78	bidi-media9.sty	282
7.79	memoir-xetex-bidi.def	293
7.80	midfloat-xetex-bidi.def	297
7.81	minitoc-xetex-bidi.def	301
7.82	multicol-xetex-bidi.def	301
7.83	multienum-xetex-bidi.def	304
7.84	natbib-xetex-bidi.def	305
7.85	newfloat-xetex-bidi.def	306
7.86	ntheorem-xetex-bidi.def	307
7.87	ntheorem-hyper-xetex-bidi.def	307
7.88	overpic-xetex-bidi.def	308
7.89	pdfpages-xetex-bidi.def	308
7.90	pgfcorescopes.code-xetex-bidi.def	309
7.91	picinpar-xetex-bidi.def	311
7.92	plain-xetex-bidi.def	313
7.93	pstricks-xetex-bidi.def	315
7.94	quotchap-xetex-bidi.def	316
7.95	ragged2e-xetex-bidi.def	316
7.96	rapport1-xetex-bidi.def	318
7.97	rapport3-xetex-bidi.def	323
7.98	refrep-xetex-bidi.def	329
7.99	report-xetex-bidi.def	333
7.100	rotating-xetex-bidi.def	337
7.101	scartcl-xetex-bidi.def	339
7.102	scrbook-xetex-bidi.def	350
7.103	scrlettr-xetex-bidi.def	361
7.104	scrreprt-xetex-bidi.def	363
7.105	sidecap-xetex-bidi.def	374
7.106	soul-xetex-bidi.def	374
7.107	stabular-xetex-bidi.def	375
7.108	subfigure-xetex-bidi.def	376
7.109	tabls-xetex-bidi.def	376
7.110	tabularx-xetex-bidi.def	377
7.111	tabulary-xetex-bidi.def	378
7.112	tc-xetex-bidi.def	379
7.113	titlesec-xetex-bidi.def	379
7.114	titletoc-xetex-bidi.def	380
7.115	tocbibind-xetex-bidi.def	381
7.116	tocloft-xetex-bidi.def	383
7.117	tocstyle-xetex-bidi.def	389
7.118	todonotes-xetex-bidi.def	394
7.119	wrapfig-xetex-bidi.def	397
7.120	xcolor-xetex-bidi.def	398
7.121	latex-xetex-bidi.def	400
7.122	xltxtra-xetex-bidi.def	415
8	Index	416
9	Change History	554



Introduction

bidi provides a convenient interface for typesetting bidirectional texts in plain \TeX and \LaTeX , using the \XeTeX engine.

bidi Info On The Terminal and In The Log File

If you use bidi package to write any input \TeX document, and then run `xelatex` on your document, bidi writes some information about itself to the terminal and to the log file. The information is something like:

```
*****
*
* bidi package (Bidirectional typesetting in
* plain TeX and LaTeX, using XeTeX engine)
*
* Description: A convenient interface for
* typesetting bidirectional texts in plain TeX
* and LaTeX. The package includes adaptations
* for use with many other commonly-used packages.
*
* Copyright (c) 2009--2016 Vafa Khalighi
*
* 2016/05/03, v19.2
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://github.com/persian-tex/bidi/issues
*
* Support: persian-tex@tug.org
*****
```

Part I

\LaTeX Manual

1 Basics

1.1 Loading The Package

You can load the package in the ordinary way;



```
\usepackage [Options] {bidi}
```

Where options of the package are explained later in [subsection 1.5](#).

When loading the package, it is important to know that:

- ❶ bidi should be the last package that you load, because otherwise you are certainly going to overwrite bidi's definitions and consequently, you will not get the expected output.
- ❷ In fact, bidi makes sure that some specific packages are loaded before bidi; these are those packages that bidi modifies them for bidirectional typesetting. If you load bidi before any of these packages, then you will get an error saying that you should load bidi as your last package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{bidi}
3 \usepackage{graphicx}
4 \begin{document}
5 This is just a test.
6 \end{document}
```

Where graphicx is loaded after bidi. If you run xelatex on this document, you will get an error which looks like this:

```
! Package bidi Error: Oops! you have loaded package graphicx after
bidi package. Please load package graphicx before bidi package, and
then try to run xelatex on your document again.
```

```
See the bidi package documentation for explanation.
Type H <return> for immediate help.
...
```

```
1.4 \begin{document}
```

```
?
```

1.2 bidi's Symbol

As you may know lion symbolizes T_EX but lion does not symbolizes bidi. **Simorgh**¹ (shown on the first page of this documentation) symbolizes bidi.

¹Simorgh is an Iranian benevolent, mythical flying creature which has been shown on the titlepage of this documentation. For more details see <http://en.wikipedia.org/wiki/Simurgh>



1.3 Commands for Version number, and Date of The Package

`\bidiversion` `\bididate`

☞ `\bidiversion` gives the current version of the package.

☞ `\bididate` gives the current date of the package.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
5 \end{document}
```

1.4 Turning TeX--XeT features on and off

The bidirectional typesetting in XeTeX is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by TeX, the typesetting of a document by TeX--XeT may therefore differ from that performed by TeX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original TeX. Two commands are provided for this purpose:

`\TeXXeTOn` `\TeXXeTOff`

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

1.5 Options of The Package

There are three options, namely `RTLdocument` and `rldocument`, which are essentially equivalent. If you pass any of these options to the package, you will be typesetting a document containing mainly RTL texts with some LTR texts. These options activate `\setRTL` (explained in [subsection 5.4](#)), `\RTLdblcol` (explained in [subsection 1.10](#)) and `\autofootnoterule` (explained in [subsubsection 1.9.1](#)).

It is clear that if you do not pass any of these options to the package, you will be typesetting a document containing mainly LTR texts with some RTL texts.

There is also `extrafootnotefeatures` option that allows footnotes to be typeset in different formats:



```

\normalfootnotes
\twocolumnfootnotes \threecolumnfootnotes \fourcolumnfootnotes
\fivecolumnfootnotes \sixcolumnfootnotes \sevendcolumnfootnotes
\eightcolumnfootnotes \nincolumnfootnotes \tencolumnfootnotes
\RTLcolumnfootnotes \LTRcolumnfootnotes
\paragraphfootnotes
\setLTRparagraphfootnotes \setRTLparagraphfootnotes

```

☞ `\normalfootnotes` typesets footnotes in Standard \LaTeX format.

☞ `\twocolumnfootnotes` to `\tencolumnfootnotes`, typeset footnotes in two-columns to ten-columns, respectively.

☞ `\RTLcolumnfootnotes` typesets footnotes columns RTL (first column on the RHS and each next column to the left of the previous column) and `\LTRcolumnfootnotes` typesets footnotes columns LTR (first column on the LHS and each next column to the right of the previous column). `\LTRcolumnfootnotes` is active by default.

☞ `\paragraphfootnotes` typesets footnotes in paragraph format.

☞ `\setLTRparagraphfootnotes` makes footnotes run from left to right. This command is active by default.

☞ `\setRTLparagraphfootnotes` makes footnotes run from right to left.

Please note that when using `extrafootnotefeatures` option, the footnote rule will be as wide as the text width and `\autofootnoterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects. Please also note that if you redefine `\baselinestretch` command or change the value of `\baselineskip` primitive before `\paragraphfootnotes` command, then you may get Arithmetic Overflow error. You should change these after using `\paragraphfootnotes` command.

1.6 Paragraph Switching Commands

```

\setLTR \setLR \unsetRL \unsetRTL
\setRTL \setRL \unsetLTR

```

☞ With any of the commands in the first row, you can typeset LTR paragraphs.

☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \setRTL%

```




```

5 Anyone who reads Old and Middle English literary texts will be
6 familiar with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8
9 \setLTR% Notice the blank line before \setLTR
10 Anyone who reads Old and Middle English literary texts will be
11 familiar with the mid-brown volumes of the EETS, with the symbol
12 of Alfred's jewel embossed on the front cover.
13 \end{document}

```

1.7 Paragraph Switching Environments

```

\begin{LTR}  <text>  \end{LTR}
\begin{RTL}  <text>  \end{RTL}

```

☞ With LTR environment, you can typeset LTR paragraphs.

☞ With RTL environment, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{RTL}
5 Anyone who reads Old and Middle English literary texts will be familiar
6 with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8 \begin{LTR}
9 Anyone who reads Old and Middle English literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 And we are still typesetting RTL.
14 \end{RTL}
15 \end{document}

```

1.8 Typesetting Short LTR and RTL Texts

```

\LRE{<text>}  \LR{<text>}
\RLE{<text>}  \RL{<text>}

```

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.



```

1 \begin{document}
2 \begin{RTL}
3 Anyone who reads Old and Middle English \LRE{Short LTR text} literary
4 texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \begin{LTR}
8 Anyone who reads Old and Middle English \RLE{Short RTL text} literary
9 texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 \end{RTL}
14 \end{document}

```

1.9 Footnotes

```

\footnote [num] {<text>} \LTRfootnote [num] {<text>} \RTLfootnote [num] {<text>}
\setfootnoteRL \setfootnoteLR \unsetfootnoteRL
\thanks{<text>} \LTRthanks{<text>} \RTLthanks{<text>}

```

- ☞ `\footnote` in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnote` will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnote` will always produce an RTL footnote, independent on the current mode.
- ☞ Specifying a `\setfootnoteRL` command anywhere will make `\footnote` produce an RTL footnote.
- ☞ Specifying either a `\setfootnoteLR` or an `\unsetfootnoteRL` command anywhere will make `\footnote` produce an LTR footnote.
- ☞ `\thanks` (to be used only inside `\author` or `\title` argument) in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRthanks` (to be used only inside `\author` or `\title` argument) will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLthanks` (to be used only inside `\author` or `\title` argument) will always produce an RTL footnote, independent on the current mode.



```
\footnotetext [num] {\text} \LTRfootnotetext [num] {\text}  
\RTLfootnotetext [num] {\text}
```

- ☞ `\footnotetext` used in conjunction with `\footnotemark`, in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnotetext` used in conjunction with `\footnotemark`, will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnotetext` used in conjunction with `\footnotemark`, will always produce an RTL footnote, independent on the current mode.

1.9.1 Footnote Rule

The behavior of footnote rules can also be controlled.

```
\autofootnoterule \rightfootnoterule \leftfootnoterule  
\LRfootnoterule \textwidthfootnoterule \SplitFootnoteRule  
\debugfootnotedirection
```

- ☞ `\autofootnoterule` will draw the footnote rule right or left aligned based on the direction of the first footnote following the rule (i.e., put in the current page).
- ☞ `\rightfootnoterule` will put footnote rule on the right-hand side.
- ☞ `\leftfootnoterule` or `\LRfootnoterule` will put footnote rule on the left-hand side.
- ☞ `\textwidthfootnoterule` will draw the footnote rule with a width equal to `\textwidth`.
- ☞ `\SplitFootnoteRule` puts a full-width rule above the split-off part of a split footnote.
- ☞ `\debugfootnotedirection` writes the direction of the first footnote on each page, in the log file.

1.10 Two Column Typesetting

```
\RTLdblcol \LTRdblcol
```

If you pass the `twocolumn` option to the class file and if the main direction of the document is RTL, then you get RTL two column and if the main direction of the document is LTR, then you get LTR two column. In addition, `\RTLdblcol` allows you to have RTL two column typesetting and `\LTRdblcol` allows you to have LTR two column typesetting as the options of the class file.



Also please note that in `twocolumn` documents, the width of the `\footnoterule` will be equal to `\columnwidth` no matter which footnote-rule commands you use; indeed, in `twocolumn` documents only `\textwidthfootnoterule` is active and other footnote-rule commands will not be effective.

`\RTLcases` command was previously known as `\rcases` command but since there was a clash with `mathtools` package (`mathtools` defines `rcases` environment), we had to rename `\rcases` command to `\RTLcases` command.

1.11 RTL cases

```
\RTLcases{\text{\langle brach1\rangle}\cr\text{\langle brach2\rangle}\cr\text{\langle brach3\rangle}...}
\text{\langle main\rangle}
```

`\RTLcases` is defined in `bidi` for typesetting RTL cases. `\text` is defined in `amsmath` package, so this means that you need to load `amsmath` package too.

```
1 \documentclass{article}
2 \usepackage{amsmath}
3 \usepackage{bidi}
4 \begin{document}
5 \setRTL
6 \[ \RTLcases{\text{men}\cr\text{women}}
7 \text{Humans Beings}
8 \]
9 \end{document}
```

1.12 Typesetting Logos

```
\XeTeX \XeLaTeX
```

`bidi` defines \XeTeX and \XeLaTeX logos and in addition, it makes sure that logos, \TeX , \LaTeX , $\text{\LaTeX}_{2\epsilon}$ are typeset LTR.

1.13 Separation Mark

```
\SepMark{\mark}\@SepMark
```

Generally in Standard \LaTeX , dot is used for separation between section numbers, equation numbers any anything else which needs to be separated. You can use `\SepMark` to use any other mark as the separation mark instead a dot.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \begin{document}
5 \section{First}
6 \subsection{Second}
7 \subsubsection{Third}
8 \end{document}
```



If you decide to change the numbering of chapters, sections, subsections, equations, figures and ..., you should either load `amsmath` package and use `\numberwithin` macro to do this or do the ordinary way, but instead dot write `\@SepMark`. Using dot instead `\@SepMark` will certainly make trouble.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \makeatletter
5 \renewcommand\theequation{\thesection\@SepMark\@arabic\c@equation}
6 \makeatother
7 \begin{document}
8 \section{First}
9 \begin{equation}
10 x^2+y^2=z^2
11 \end{equation}
12 \end{document}

```

1.14 `\raggedright`, `\raggedleft` commands, `flushleft` and `flushright` Environments

`\raggedright` command and `flushleft` environment put the text on the left hand side and `\raggedleft` command and `flushright` environment put the text on the right hand side, independent on the current mode.

1.15 Primitive-like commands

`\hboxR` `\hboxL` `\vboxR` `\vboxL`

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

1.16 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:



```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \hbox{This is a Test}
6 \end{document}

```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when \TeX starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \leavevmode\hbox{This is a Test}
6 \end{document}

```

1.17 `\bidillap` and `\bidirlap` Commands

In RTL mode, `\llap` and `\rlap` do opposite things. Since these two macros are used in a lot of classes and packages, instead of modifying these two macros, we have created two new macros `\bidillap` and `\bidirlap` which give logical results.

1.18 `LTRitems` and `RTLitems` Environments

If you typeset an `itemize`, or an `enumerate`, or a `description` environment where all `\items` are one directional, you have no problem at all as shown below:

```

1 \documentclass{article}
2 \begin{document}
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol of Alfred's
5 \begin{enumerate}
6 \item Anyone who reads Old and Middle English literary texts will be
7 familiar with the mid-brown volumes of the EETS, with the symbol of
8 Alfred's
9 \item Anyone who reads Old and Middle English literary texts will be
10 familiar with the mid-brown volumes of the EETS, with the symbol of
11 Alfred's
12 \end{enumerate}
13 \end{document}

```

However if the above example becomes bidirectional, as shown below:

```

1 \documentclass{article}
2 \usepackage{bidi}

```



```

3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \setRTL
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{enumerate}
15 \end{document}

```

Then some people may argue that this typographically does not look promising. For this purpose, RTLitems environment is provided which has the following syntax:

```

\begin{RTLitems}
  \item <text>
  ...
\end{RTLitems}

```

By using the RTLitems environment, the previous example will look like the following:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \begin{RTLitems}
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{RTLitems}
15 \end{enumerate}
16 \end{document}

```

Similarly, LTRitems environment is defined which has the following syntax:

```

\begin{LTRitems}
  \item <text>
  ...
\end{LTRitems}

```



1.19 LTRbibitems and RTLbibitems Environments

The syntax of LTRbibitems and RTLbibitems environments is exactly like the syntax of LTRitems and RTLitems environments but there are few differences:

- ☞ LTRitems and RTLitems environments should only be used for list-like environments (such as itemize, enumerate and description environments) but LTRbibitems and RTLbibitems environments should only be used for thebibliography environment.
- ☞ Clearly instead of `\item`, you have `\bibitem` inside LTRbibitems and RTLbibitems environments.

1.20 `\setLTRbibitems`, `\setRTLbibitems`, and `\setdefaultbibitems` commands

<code>\setLTRbibitems</code> <code>\setRTLbibitems</code> <code>\setdefaultbibitems</code>
--

- ☞ If your whole thebibliography environment is inside RTL mode, but all your `\bibitems` are LTR and you actually want to have `\bibname` to appear on the RHS, you can use `\setLTRbibitems` command before thebibliography environment.
- ☞ If your whole thebibliography environment is inside LTR mode, but all your `\bibitems` are RTL and you actually want to have `\bibname` to appear on the LHS, you can use `\setRTLbibitems` command before thebibliography environment.
- ☞ `\setdefaultbibitems` is the default, when your `\bibitems` are a mixture of LTR and RTL and it does not matter what mode (LTR or RTL) your thebibliography environment is in. Please note that you do not have to use `\setdefaultbibitems` command in this case at all.

Consider an example that your thebibliography environment is inside LTR mode and you have, say two `\bibitems`. The first `\bibitem` is LTR and the second `\bibitem` is RTL. One could typeset this senario as shown below:

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{thebibliography}{99}
5 \bibitem This is the first bibitem which is LTR.
6 \begin{RTLbibitems}
7 \bibitem This is the second bibitem which is RTL.
8 \end{RTLbibitems}
9 \end{thebibliography}
10 \end{document}
```



1.21 Typesetting margin par

By default, in RTL mode, `\marginpar` appears on LHS and its content is typeset RTL and in LTR mode, `\marginpar` appears on RHS and its content is typeset LTR. In addition, the following commands are provided:

```
\setRTLmarginpar \setLTRmarginpar \setdefaultmarginpar
\LTRmarginpar[⟨left-text⟩]{⟨right-text⟩}
\RTLmarginpar[⟨left-text⟩]{⟨right-text⟩}
```

- ☞ `\setRTLmarginpar` always makes `\marginpar` to appear on LHS and the content of `\marginpar` is typeset RTL (this is independent of the current mode).
- ☞ `\setLTRmarginpar` always makes `\marginpar` to appear on RHS and the content of `\marginpar` is typeset LTR (this is independent of the current mode).
- ☞ `\setdefaultmarginpar` gives the default behaviour of `\marginpar` as described above.
- ☞ `\LTRmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always LTR.
- ☞ `\RTLmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always RTL.
- ☞ in RTL mode, places of `⟨left-text⟩` and `⟨right-text⟩` swaps.

1.22 Typesetting of Headers and Footers

If the main direction of the document is RTL, then headers and footers are typeset RTL and if the main direction of the document is LTR, then headers and footers are typeset LTR.

1.23 Tabular Typesetting

In RTL mode, tabular are typeset RTL and in LTR mode, tabular are typeset LTR.

1.24 Equation Numbers

For `reqno`, equation numbers are on the right hand side and for `leqno`, equation numbers are on the left hand side, independent on the current mode.

2 Support For Various Packages and Classes

The bidi package supports `amsmath`, `amstext`, `amsthm`, `array`, `arydshln`, `breqn`, `cals`, `caption`, `color`, `colortbl`, `crop`, `cuted`, `cutwin`, `dblfnote`, `draftwatermark`, `empheq`, `fancyhdr`, `fancybox`, `fix2col`, `float`, `floatrow`, `flowfram`, `framed`, `ftnright`, `geometry`, `graphicx`, `hvfloa`, `hyperref`, `lettrine`, `listings`, `mdframed`, `midfloat`, `minitoc`, `multicol`, `multienum`, `newfloat`, `pdfpages`, `pstricks`, `quotchap`, `pinyin`, `ragged2e`, `rotating`, `sidecap`, `stabular`,



subfig, subfigure, supertabular, xtab, tabs, tabulary, PGF & TIKZ, tocbibind, tocloft, tocstyle, wrapfig, xcolor, xltextra packages, amsart, amsbook, artikel1, artikel2, artikel3, extarticle, flashcards, standrad article, boek, boek3, standard book, bookest, extbook, extletter, scrlettr, standard letter, memoir, extreport, rapport1, rapport3, refrep, standard report, scrartcl, scrbook, scrreprt classes and any other packages and classes that relies on these packages and classes. This means, you can use all these packages and classes in addition to other packages and classes that rely on these packages and classes and use their functionality fully for your bidirectional documents. We now give some details that you should know about the supported packages or classes.

2.1 Color

You can use color and xcolor packages to typeset texts in colours and colour boxes produced by `\colorbox` and `\fcolorbox` commands. Please note that your Coloured text should not span more than a line, if your text spans more than a line, you will be in trouble which means your whole document, page or paragraph may be coloured. If your texts spans more than a line, then you should use xecolor package. Also if you are going to use `\color` command to colour the text at the beginning of a paragraph, then you should have `\leavevmode` before `\color` command. For having coloured tabular, you can use colortbl package.

2.2 The dblfnote package

The dblfnote package makes footnotes double-columned. In addition bidi package adds bidirectional support for the dblfnote package by providing the following commands:

<code>\RTLdfnmakecol</code>	<code>\LTRdfnmakecol</code>
-----------------------------	-----------------------------

☞ `\RTLdfnmakecol` makes footnotes double-columned RTL.

☞ `\LTRdfnmakecol` makes footnotes double-columned LTR.

☞ If the main direction of the document is RTL, `\RTLdfnmakecol` is active and if the main direction of the document is LTR, `\LTRdfnmakecol` is active.

Please note that when using dblfnote package, the footnote rule will be as wide as the footnote column and `\autofootnoterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects.

2.3 Hyperref

The hyperref package works fine with bidirectional documents if and only if, your link will not span more than a line. If your link spans more than a line, then your whole document, or page or paragraph may be linked.



2.4 The listings package

Suppose that the main direction of the document is RTL, and you want to typeset a piece of C code in LTR mode but you also have the requirement that the caption of that particular code should be RTL. Since the direction of the code is LTR, then the direction of the caption also will be LTR and this is not something you want; sadly there is no easy way to do this. For this very reason, the `bidi` package adds a key to the `listings` package, namely `captiondirection`. This key can have the following values:

☞ `textdirection` follows the direction of the text (default).

☞ `RTL` sets the direction of the caption to RTL.

☞ `LTR` sets the direction of the caption to LTR.

Giving any other values gives you an error.

2.5 flowfram Package

You can use `flowfram` package for your bidirectional documents. Please note that `flowfram` package provides support for bidirectional column typesetting, for details, see its manual.

2.6 Multicolumn Typesetting

In the previous versions of `bidi` package, it was recommended that you need to use `fmultico` package instead the original `multicol` package for RTL multicolumn typesetting. This is not the case any more and you should not use buggy `fmultico` package any more. Simply load the original `multicol` package before loading `bidi`. `bidi` now supports `multicol` package and you can typeset bidirectional multi columns. When using `multicol` package, the following two additional commands are provided:

`\RTLmulticolcolumns` `\LTRmulticolcolumns`

If the main direction of the document is RTL, then you get RTL multi columns and if the main direction of the document is LTR, then you get LTR multi columns. In addition, `\RTLmulticolcolumns` allows you to have RTL multi columns and `\LTRmulticolcolumns` allows you to have LTR multi columns. In addition, you also can use `vwcol` package for variable width bidirectional column typesetting.

3 Extra bidi Packages and Classes



3.1 bidi-longtable package

For typesetting RTL tables with longtable package, an experimental package, bidi-longtable package, is provided. bidi-longtable package should be loaded after longtable package.

3.2 biditufte bundle

A modified version of tufte-latex, biditufte bundle, mainly for RTL typesetting, is provided. If you never used biditufte bundle or tufte-latex package and you want to use biditufte bundle, then you need to look at tufte-latex package's manual and examples. In addition, for using biditufte bundle, you need to know the following notes:

- ☞ You need to use biditufte-book class instead tufte-book class and biditufte-handout class instead tufte-handout class.
- ☞ biditufte bundle provides the following extra commands:

`\LTRsidenote \RTLsidenote \LTRmarginnote \RTLmarginnote`

- ☞ biditufte-book and biditufte-handout classes provide two extra options; RTLgeometry (active when loading either of classes) and LTRgeometry.
- ☞ biditufte bundle unlike tufts-latex package, only provides justified lines.
- ☞ Some features of tufte-latex that does not make any sense in RTL, do not exist in biditufte bundle (no need for soul, letterspace and macrotype packages).
- ☞ If you want to configure biditufte-book class for your own needs, then you can create a file with the name biditufte-book.cfg and put your \LaTeX macros in that file; similarly, if you want to configure biditufte-handout class for your own needs, then you can create a file with the name biditufte-handout.cfg and put your \LaTeX macros in that file.

3.3 Typesetting \TeX and \LaTeX Codes

The \LaTeX codes in this manual are typeset using the bidicode package. In standard \LaTeX you can not use footnotes inside `\chapter`, `\part`, `\section`, `\subsection`, `\subsubsection` and any other section-like commands, `\caption` and tabular environment.

bidi package provides bidiftnextra package that solves the issue of footnote in standard \LaTeX . bidiftnextra package should be loaded after bidi package.



3.4 Typesetting Poems

The bidi package provides bidipoem package for typesetting Persian poems. It provides four environments, `traditionalpoem`, `modernpoem` and starred version of these. In the starred version of these environments you do not need to type `\\` and that is the only difference with the normal version of the environments. The `traditionalpoem` environment and its starred version are also useful for typesetting Classic Arabic poetry, in fact this package may also be useful for other RTL languages.

When using bidipoem package, at least you need to run `xelatex` twice on your document. In fact, if you run `xelatex` just once on your document, you get a message saying “Unjustified poem. Rerun XeLaTeX to get poem right”.

When you typeset your poems, you might get underfull `\hbox` messages. This is absolutely normal and if you want to get rid of these underfull `\hbox` messages, then you would need to use Kashida.

If you need to change the default distance between two verses, you can do just that by:

```
\renewcommand\poemcolsepskip{\langle length \rangle}
```

```
\begin{traditionalpoem}  
  \langle verse1 \rangle & \langle verse2 \rangle \\  
  \langle verse3 \rangle & \langle verse4 \rangle \\  
  ...  
\end{traditionalpoem}
```

```
\begin{traditionalpoem*}  
  \langle verse1 \rangle & \langle verse2 \rangle  
  \langle verse3 \rangle & \langle verse4 \rangle  
  ...  
\end{traditionalpoem*}
```

3.5 Typesetting Resumé

The bidi package provides `bidimoderncv`² class for typesetting resumé. There are two examples, namely `test-casualcv.tex` and `test-classiccv.tex`, in the `doc` folder than you can look and learn how you can use it.

3.6 Print Two Pages On A Single Page

bidi package provides `bidi2in1` package for printing two pages on a single (landscape) A4 page. Page numbers appear on the included pages, and not on the landscape ‘container’ page.

²This class is the modified version of `moderncv` class.



3.7 Producing Presentations

At the moment, there is only one class that you can prepare your presentations with.

4 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.

4.1 Equating Conditionals

`\eqnewif{<\newconditional1>}{<\newconditional2>}`

In standard \LaTeX , `\newif` command is provided that you can define a new conditional with it. `\eqnewif` command is similar to `\newif` command but:

- ☞ With `\eqnewif` command, you can define two new conditionals instead one, so clearly it has two mandatory arguments.
- ☞ `\newconditional1` will be identical to `\newconditional2`, so that whenever `\newconditional1` is true, then `\newconditional2` is also true and whenever `\newconditional1` is false, then `\newconditional2` is also false and vice versa.

4.2 RTL Conditional

`\if@RTL`

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

4.3 Main RTL Conditional

`\if@RTLmain`

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

4.4 Latin Conditional

`\if@Latin`

`\if@Latin` inside any environment that uses Latin font is true and inside any environment that uses RTL font is false.



4.5 Tags Internal Macro

```
\@iftagsloaded{<tags name>}{<do thing(s) if the tag is loaded>}  
{<do thing(s) if the tag is not loaded>}
```

As you can see, the syntax of \@iftagsloaded is exactly the same as the syntax of \@ifpackageloaded and \@ifclassloaded. By tags, we mean things like leqno or reqno. Please note that in the argument <tags name>, the extension clo should not be given.

4.6 Definition File Loaded Internal Macro

```
\@ifdefinitionfileloaded{<definition file name>}  
{<do thing(s) if the definition file is loaded>}  
{<do thing(s) if the definition file is not loaded>}
```

As you can see, the syntax of \@ifdefinitionfileloaded is exactly the same as the syntax of \@ifpackageloaded and \@ifclassloaded. By definition file, we mean things like hyperref-bidi.def or wrapfig-bidi.def. Please note that in the argument <definition file name>, the extension def should not be given.

4.7 Tabular Conditional

```
\if@RTLtab
```

If the tabular is typeset RTL, \if@RTLtab is true and if the tabular is typeset LTR, \if@RTLtab is false.

4.8 Footnote Conditional

```
\if@RTL@footnote
```

When footnotes are typeset RTL, \if@RTL@footnote is true and when footnotes are typeset LTR, \if@RTL@footnote is false.

4.9 Direction Ensuring Macros

```
\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}  
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}
```

☞ \@ensure@RTL and \@ensure@RL internals make sure that <text> is always typeset RTL, independent on the current mode.

☞ \@ensure@LTR and \@ensure@LR internals make sure that <text> is always typeset LTR, independent on the current mode.



☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put `<text>` inside `\RLE` and if used in LTR mode, they put the text as it is.

4.10 Reset Direction Macro

```
\save@dir \saved@@dir \reset@dir
```

☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.

☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

Part II

Plain T_EX Manual

5 Basics

5.1 Loading The Package

You can load the package in the ordinary way;

```
\input bidi
```

When loading the package, it is important to know that: `bidi` should be the last package that you load, because otherwise you are certainly going to overwrite `bidi`'s definitions and consequently, you will not get the expected output.

5.2 Commands for Version number, and Date of The Package

```
\bidiversion \bididate
```

☞ `\bidiversion` gives the current version of the package.

☞ `\bididate` gives the current date of the package.

```
1 \input bidi
2 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
3 \end
```



5.3 Turning TeX--XeT features on and off

The bidirectional typesetting in XeTeX is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by TeX, the typesetting of a document by TeX--XeT may therefore differ from that performed by TeX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original TeX. Two commands are provided for this purpose:

`\TeXXeTOn \TeXXeTOff`

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

5.4 Paragraph Switching Commands

`\setLTR \setLR \unsetRL \unsetRTL
\setRTL \setRL \unsetLTR`

☞ With any of the commands in the first row, you can typeset LTR paragraphs.

☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```
1 \input bidi
2 \setRTL%
3 Anyone who reads Old and Middle English literary texts will be
4 familiar with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6
7 \setLTR% Notice the blank line before \setLTR
8 Anyone who reads Old and Middle English literary texts will be
9 familiar with the mid-brown volumes of the EETS, with the symbol
10 of Alfred's jewel embossed on the front cover.
11 \end
```

5.5 Paragraph Switching Environments

`\LTR <text> \endLTR
\RTL <text> \endRTL`

☞ With LTR environment, you can typeset LTR paragraphs.



☞ With RTL environment, you can typeset RTL paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6 \LTR
7 Anyone who reads Old and Middle English literary texts will be familiar
8 with the mid-brown volumes of the EETS, with the symbol
9 of Alfred's jewel embossed on the front cover.
10 \endLTR
11 And we are still typesetting right to left.
12 \endRTL
13 \end
```

5.6 Typesetting Short LTR and RTL Texts

<code>\LRE{<text>}</code>	<code>\LR{<text>}</code>
<code>\RLE{<text>}</code>	<code>\RL{<text>}</code>

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English \LRE{Short left to right text}
4 literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \LTR
8 Anyone who reads Old and Middle English \RLE{Short right to left text}
9 literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \endLTR
13 \endRTL
14 \end
```



5.7 Primitive-like commands

`\hboxR` `\hboxL` `\vboxR` `\vboxL`

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

5.8 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:

```
1 \input bidi
2 \setRTL
3 \hbox{This is a Test}
4 \end
```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when \TeX starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```
1 \input bidi
2 \setRTL
3 \leavevmode\hbox{This is a Test}
4 \end
```

5.9 Typesetting Logos

`\XeTeX`

`bidi` defines \XeTeX logo and in addition, it makes sure that the logo, \TeX is typeset LTR.

6 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.



6.1 RTL Conditional

```
\if@RTL
```

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

6.2 Main RTL Conditional

```
\if@RTLmain
```

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

6.3 Direction Ensuring Macros

```
\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}  
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}
```

- ☞ `\@ensure@RTL` and `\@ensure@RL` internals make sure that `<text>` is always typeset RTL, independent on the current mode.
- ☞ `\@ensure@LTR` and `\@ensure@LR` internals make sure that `<text>` is always typeset LTR, independent on the current mode.
- ☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put `<text>` inside `\RLE` and if used in LTR mode, they put the text as it is.

6.4 Reset Direction Macro

```
\save@dir \saved@@dir \reset@dir
```

- ☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.
- ☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

7 bidi implementation

7.1 amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for amsart class for XeTeX  
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\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\lef
13 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27 \kern-.4\p@
28 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29 \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35 \insert\footins{%
36 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37 \normalfont\footnotesize
38 \interlinepenalty\interfootnotelinepenalty
39 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
40 \floatingpenalty\@MM \hsize\columnwidth
41 \@parboxrestore \parindent\normalparindent \sloppy
42 \protected@edef\@currentlabel{%
43 \csname p@footnote\endcsname\@thefnmark}%
44 \@makefnmark{%
45 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
46
47 \long\def\@RTLfootnotetext#1{%
48 \insert\footins{%
49 \@RTLtrue%
50 \normalfont\footnotesize
51 \interlinepenalty\interfootnotelinepenalty
52 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
53 \floatingpenalty\@MM \hsize\columnwidth
54 \@parboxrestore \parindent\normalparindent \sloppy
55 \protected@edef\@currentlabel{%
56 \csname p@footnote\endcsname\@thefnmark}%

```



```

57 \makefnintext{%
58 \rule{z@footnotesep}{\ignorespaces#1\unskip\strut\par}}
59
60
61
62 \long\def\@LTRfootnotetext#1{%
63 \insert\footins{%
64 \@RTLfalse%
65 \normalfont\footnotesize
66 \interlinepenalty\interfootnotelinepenalty
67 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
68 \floatingpenalty\@MM \hsize\columnwidth
69 \@parboxrestore \parindent\normalparindent \sloppy
70 \protected@edef\@currentlabel{%
71 \csname p@footnote\endcsname\@thefnmark}%
72 \makefnintext{%
73 \rule{z@footnotesep}{\ignorespaces#1\unskip\strut\par}}}
74
75
76 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
77 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
78 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
79
80 \renewenvironment{thebibliography}[1]{%
81 \@bibtitlestyle
82 \normalfont\bibliofont\labelsep .5em\relax
83 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
84 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
85 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
86 \leftmargin\labelwidth \advance\leftmargin\labelsep
87 \usecounter{enumiv}}%
88 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
89 \sfcode\@.=\@m
90 }{%
91 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
92 \endlist
93 }
94 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
95 \columnseprule\z@ \columnsep 35pt
96 \@indextitlestyle
97 \thispagestyle{plain}%
98 \let\item\@idxitem
99 \parindent\z@ \parskip\z@\@plus.3pt\relax
100 \if@RTL\raggedleft\else\raggedright\fi
101 \hyphenpenalty\@M
102 \footnotesize}
103 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
104 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
105 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
106 \def\maketitle{\par

```



```

107 \@topnum\z@ % this prevents figures from falling at the top of page 1
108 \@setcopyright
109 \thispagestyle{firstpage}% this sets first page specifications
110 \uppercasenonmath\shorttitle
111 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
112 \else \andify\shortauthors
113 \fi
114 \@maketitle@hook
115 \begingroup
116 \@maketitle
117 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
118 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
119 \edef\@tempa{%
120   \@nx\markboth{\the\toks4
121     \@nx\MakeUppercase{\the\toks0}}{\the\@temptokena}}%
122 \@tempa
123 \endgroup
124 \c@footnote\z@
125 \cleartopmattertags
126 }

```

7.2 adjmulticol-xetex-bidi.def

```

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

```



```

154 \fi
155 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
156 \let\orig@RTLfootnotetext\@RTLfootnotetext
157 \let\@RTLfootnotetext\mult@RTLfootnotetext
158 \fi
159 \@ifnextchar[\adjmult@cols{\adjmult@cols[]}]{}
160 \let\adjmc@page@sofar@orig=\page@sofar

```

7.3 algorithm2e-xetex-bidi.def

```

161 \ProvidesFile{algorithm2e-xetex-bidi.def}[2015/02/01 v0.1 bidi adaptations for algorithm2e pack
162 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
163 \else%
164 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
165 \fi%
166
167 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algorithmbox}}
168 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algorithmbox}\par}%
169 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algorithmbox}}
170 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algorithmbox}\par}%
171 \renewcommand{\@algocf@start}{%
172 \@algoskip%
173 \begin{bidi@lrbox}{\algocf@algorithmbox}%
174 \setlength{\algowidth}{\hsize}%
175 \vbox\bgroup% save all the algo in a box
176 \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
177 \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
178 % initialization
179 \addtolength{\hsize}{-1.5\algomargin}%
180 \let\@mathsemicolon=\;\def\;\{\ifmmode\@mathsemicolon\else\@endalgoln\fi}%
181 \raggedright\AlFnt}%
182 \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
183 \@algoinsideskip%
184 % \let\@emathdisplay=\]\def\]\{\algocf@endline\@emathdisplay\nl}%
185 }%
186 \renewcommand{\@algocf@finish}{%
187 \@algoinsideskip%
188 \egroup%end of vtop which contain all the text
189 \hfill\egroup%end of hbox wich contains [margin][vtop]
190 \ifthenelse{\boolean{algocf@slide}}{\DecMargin{\skipalgocfslide}}{}%
191 %
192 \egroup%end of main vbox
193 \end{bidi@lrbox}%
194 \algocf@makethealgo% print the algo
195 \@algoskip%
196 % restore dimension and macros
197 \setlength{\hsize}{\algowidth}%
198 \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
199 \let\;=\@mathsemicolon%
200 \let\]=\@emathdisplay%

```



201 }%

7.4 amsbook-xetex-bidi.def

```

202 \ProvidesFile{amsbook-xetex-bidi.def}[2015/11/14 v1.0 bidi adaptations for amsbook class for XeTeX]
203 \def\tocline#1#2#3#4#5#6#7{\relax
204   \ifnum #1>\c@tocdepth % then omit
205   \else
206     \par \addpenalty\@secpenalty\addvspace{#2}%
207     \begingroup \hyphenpenalty\@M
208     \@ifempty{#4}{%
209       \@tempdima\csname r@tocindent\number#1\endcsname\relax
210     }{%
211       \@tempdima#4\relax
212     }%
213     \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi
214     \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
215     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
216     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
217     \nobreak
218     \endgroup
219   \fi}
220 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
221 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
222 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
223 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
224 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
225   \columnseprule\z@ \columnsep 35\p@
226   \@indextitlestyle
227   \thispagestyle{plain}%
228   \let\item\@idxitem
229   \parindent\z@ \parskip\z@\@plus.3\p@\relax
230   \if@RTL\raggedleft\else\raggedright\fi
231   \hyphenpenalty\@M
232   \footnotesize}
233 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
234 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
235 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
236 \def\right@footnoterule{%
237   \kern-.4\p@
238   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
239   \kern11\p@\kern-\footnotesep}
240 \def\left@footnoterule{\kern-.4\p@
241   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
242
243 \long\def\@footnotetext#1{%
244   \insert\footins{%
245     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
246     \normalfont\footnotesize
247     \interlinepenalty\interfootnotelinepenalty

```



```

248 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
249 \floatingpenalty\@MM \hsize\columnwidth
250 \@parboxrestore \parindent\normalparindent \sloppy
251 \protected@edef\@currentlabel{%
252   \csname p@footnote\endcsname\@thefnmark}%
253 \@makefnintext{%
254   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
255
256 \long\def\@RTLfootnotetext#1{%
257   \insert\footins{%
258     \@RTLtrue%
259     \normalfont\footnotesize
260     \interlinepenalty\interfootnotelinepenalty
261     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
262     \floatingpenalty\@MM \hsize\columnwidth
263     \@parboxrestore \parindent\normalparindent \sloppy
264     \protected@edef\@currentlabel{%
265       \csname p@footnote\endcsname\@thefnmark}%
266     \@makefnintext{%
267       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
268
269
270 \long\def\@LTRfootnotetext#1{%
271   \insert\footins{%
272     \@RTLfalse%
273     \normalfont\footnotesize
274     \interlinepenalty\interfootnotelinepenalty
275     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
276     \floatingpenalty\@MM \hsize\columnwidth
277     \@parboxrestore \parindent\normalparindent \sloppy
278     \protected@edef\@currentlabel{%
279       \csname p@footnote\endcsname\@thefnmark}%
280     \@makefnintext{%
281       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
282
283
284
285 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
286 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
287 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
288
289 \renewenvironment{thebibliography}[1]{%
290   \@bibtylestyle
291   \normalfont\bibliofont\labelsep .5em\relax
292   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
293   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
294   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
295     \leftmargin\labelwidth \advance\leftmargin\labelsep
296     \usecounter{enumiv}}}%
297   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty

```



```

298 \sfcode`\.=\@m
299 }{%
300 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
301 \endlist
302 }
303 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
304 \begingroup
305 \fontsize{\@xivpt}{18}\bfseries\centering
306 \ifnum\c@secnumdepth>\m@ne
307 \leavevmode \hskip-\if@RTL\righskip\else\leftskip\fi
308 \rlap{\vbox to\z@{\vss
309 \centerline{\normalsize\mdseries
310 \uppercase\exp{\chaptername}\enspace\thechapter}
311 \vskip 3pc}}\hskip\if@RTL\righskip\else\leftskip\fi\fi
312 #1\par \endgroup
313 \skip@34p@ \advance\skip@-\normalbaselineskip
314 \vskip\skip@ }
315 \def\maketitle{\par
316 \@topnum\z@ % this prevents figures from falling at the top of page 1
317 \begingroup
318 \@maketitle
319 \endgroup
320 \c@footnote\z@
321 \def\do##1{\let##1\relax}%
322 \do\maketitle \do\@maketitle \do\title \do\@title \do\@title
323 \do\author \do\@xauthor \do\address \do\@xaddress
324 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
325 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
326 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
327 }

```

7.5 amsmath-xetex-bidi.def

```

328 \ProvidesFile{amsmath-xetex-bidi.def}[2014/09/04 v0.9 bidi adaptations for amsmath package for Xe
329 \let\veqno=\eqno
330 \iftagsleft@ \let\veqno=\leqno \fi
331 \renewcommand{\numberwithin}[3][\arabic]{%
332 \ifundefined{c@#2}{\@nocounterr{#2}}{%
333 \ifundefined{c@#3}{\@nocnterr{#3}}{%
334 \addtoreset{#2}{#3}%
335 \exp\xdef\csname the#2\endcsname{%
336 \exp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
337 }
338 \def\tagform@#1{\maketag@@@{\if@Latin\else\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\if@

```

7.6 amstext-xetex-bidi.def

```

339 \ProvidesFile{amstext-xetex-bidi.def}[2013/04/04 v0.1 bidi adaptations for amstext package for Xe
340 \def\textdef@#1#2#3{\hbox{%
341 \everymath{#1}%
342 \let\fontsize#2\selectfont

```



```

343 \if@Latin\else\beginR\fi#3\if@Latin\else\endR\fi}}

```

7.7 amsthm-xetex-bidi.def

```

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

```

7.8 animate-xetex-bidi.def

```

346 \ProvidesFile{animate-xetex-bidi.def}[2016/05/03 v0.2 bidi adaptations for animate package for X
347
348
349 %user command for embedding animation sequence
350 % #1: options
351 % #2: frame rate (fps)
352 % #3: basename of graphics file sequence (without frame number and extension)
353 % #4: first frame (integer)
354 % #5: last frame (integer)
355 \renewcommand{\animategraphics}[5][]{%
356   \@anim@endsanitize%
357   \leavevmode%
358   \ifpdf\else%
359     \if@anim@grxloaded%
360       \if@anim@xetex%
361         \DeclareGraphicsRule{.mps}{eps}{*}{*}%
362       \fi%
363     \else%
364       \if@anim@xetex%
365         \@anim@missing[xetex]{graphicx}%
366       \else%
367         \if@anim@dvi pdfmx%
368         \@anim@missing[dvipdfmx]{graphicx}%
369       \else%
370         \@anim@missing{graphicx}%
371       \fi%
372     \fi%
373   \fi%
374 \fi%
375 \@anim@reset% to default settings
376 \begingroup% make use of graphic[xs] search path
377 \beginL%
378 \ifcsname Ginput@path\endcsname%
379   \let\input@path\Ginput@path%
380 \fi%
381 %
382 \setkeys{anim@user}{#1}%
383 \ifthenelse{\boolean{@anim@autoplay}\OR\boolean{@anim@autoresume}}{%
384   \setboolean{@anim@autoplayorresume}{true}%
385 }{}%
386 \ifthenelse{\boolean{@anim@controls}\OR\boolean{@anim@palindrome}}{%
387   \setboolean{@anim@morejs}{true}%

```



```

388 }{}%
389 \ifx\empty\@anim@label\empty\else%
390   \setboolean{@anim@morejs}{true}%
391 \fi%
392 \ifthenelse{\NOT\boolean{@anim@controls}\AND\boolean{@anim@step}}{%
393   \setboolean{@anim@loop}{true}%
394 }{}%
395 \def\@anim@base{#3}%
396 \def\@anim@first{#4}%
397 \def\@anim@last{#5}%
398 %
399 \@anim@checkmultipage{\@anim@base}{\@anim@ftype}%test for multipage file
400 \if@anim@multipage\else% cope with wrong user input
401   \ifthenelse{\equal{#4}{} \OR \equal{#5}{} }{%
402     \PackageError{animate}{%
403       Missing frame number in \protect\animategraphics\space command%
404     }{}%
405   }{}%
406   \ifthenelse{\@anim@first<\z@ \OR \@anim@last<\z@ }{%
407     \PackageError{animate}{%
408       Negative frame numbers not allowed%
409     }{}%
410   }{}%
411 \fi%
412 \def\@anim@relop{>}%
413 \edef\@anim@numtemplate{\@anim@first}%
414 \ifnum\@anim@first>\@anim@last\relax%
415   \edef\@anim@every{-\@anim@every}%
416   \def\@anim@relop{<}%
417   \edef\@anim@numtemplate{\@anim@last}%
418 \fi%
419 \global\@anim@curframe=\@anim@first%
420 \global\@anim@curframe@zb=\z@%
421 %
422 \if@anim@draft%
423   \if@anim@multipage%
424     %store file in a box
425     \@anim@filebox{\@anim@pathtofile}{\@anim@first}%
426   \else%
427     %get file name extension
428     \@anim@getpath{\@anim@base\@anim@first}{\@anim@ftype}%
429     \@anim@filebox{\@anim@pathtofile}{1}%
430   \fi%
431   \@anim@scale{\@anim@box}%
432   %draw draftbox according to dimensions of the first frame
433   \@anim@draftbox%
434 \else%
435   \if@anim@controls%
436     %create button faces only once in the current colour combination
437     \ifcsname

```



```

438         btncol:\@anim@bgcolour:\@anim@fgcolour\endcsname\else%
439         \@anim@makebuttons{\the\@anim@num}%
440         \@anim@newkey{btncol:\@anim@bgcolour:\@anim@fgcolour}{\the\@anim@num}%
441         \fi%
442     \fi%
443     \xdef\@anim@nfps{#2\space}% current frame rate
444     \xdef\@anim@nfps{\expandafter\zap@space\@anim@nfps\@empty}%
445     \ifdim\@anim@nfps\p<\z@%
446         \PackageError{animate}{%
447             Negative frame rate '\@anim@nfps' is not allowed%
448         }{}%
449     \fi%
450     \xdef\@anim@fps{\@anim@nfps}%
451     %
452     %read all frames of the sequence
453     \loop\ifnum\@anim@curframe\@anim@relop\@anim@last\relax\else%
454         \if@anim@multipage%
455             %embed graphics
456             \@anim@ximage{\the\@anim@num}{\the\@anim@curframe@zb}{%
457                 \@anim@pathtofile}{\the\@anim@curframe}%
458             \else%
459                 %get path to current file end its extension
460                 \@anim@getpath{%
461                     \@anim@base\@anim@pad{\@anim@numtemplate}{\the\@anim@curframe}%
462                 }{\@anim@ftype}%
463                 %embed graphics
464                 \@anim@ximage{\the\@anim@num}{\the\@anim@curframe@zb}{%
465                     \@anim@pathtofile}{1}%
466                 \fi%
467                 \global\advance\@anim@curframe by \@anim@every%
468                 \global\advance\@anim@curframe@zb by \@ne%
469             \repeat%
470             \xdef\@anim@frames{\the\@anim@curframe@zb}% total number
471             \global\@anim@tmpcnt=\@anim@frames%
472             \global\advance\@anim@tmpcnt by -\@ne%
473             \xdef\@anim@maxframe{\the\@anim@tmpcnt}% highest frame index
474             %build timeline from optional timeline file
475             \@anim@sanitizeJS%
476             \if@anim@timeline\@anim@buildtmtn{\the\@anim@num}\fi%
477             % if last frame used as poster, write frame num to aux file
478             \ifnum\@anim@poster=\@anim@mone\relax%
479                 \@anim@keytoaux{a\the\@anim@num.poster}{\@anim@maxframe}%
480             \fi%
481             %insert animation widget & controls
482             \@anim@insertwidgets{\the\@anim@num}{%
483                 \@anim@getkeyval{btncol:\@anim@bgcolour:\@anim@fgcolour}}%
484             \@anim@endsanitize%
485         \fi%
486     \endL%
487 \endgroup%

```



```

488 \global\advance\@anim@num by \@ne%
489 }%
490 %adjust catcode of `:' character within \animategraphics
491 \let\@anim@animategraphics\animategraphics
492 \def\animategraphics{\@anim@sanitizeColon\@anim@animategraphics}
493
494
495
496 %user environment for animating inline graphics
497 % #1: options
498 % #2: frame rate (fps)
499 \renewenvironment{animateinline}[2][\%
500 \@anim@endsanitize%
501 \leavevmode%
502 \@anim@reset% to default settings
503 \begingroup%
504 \beginL%
505 % make use of graphic[xs] search path
506 \ifcsname Ginput@path\endcsname%
507 \let\input@path\Ginput@path%
508 \fi%
509 \setkeys{anim@user}{#1}%
510 \ifthenelse{\boolean{@anim@autoplay}}\OR\boolean{@anim@autoresume}}{%
511 \setboolean{@anim@autoplayorresume}{true}%
512 }{}%
513 \ifthenelse{\boolean{@anim@controls}}\OR\boolean{@anim@palindrome}}{%
514 \setboolean{@anim@morejs}{true}%
515 }{}%
516 \ifx\empty\@anim@label\empty\else%
517 \setboolean{@anim@morejs}{true}%
518 \fi%
519 \ifthenelse{\NOT\boolean{@anim@controls}}\AND\boolean{@anim@step}}{%
520 \setboolean{@anim@loop}{true}%
521 }{}%
522 \global\@anim@curframe@zb=\z@%
523 \global\@anim@skipfram=\z@%
524 \if@anim@draft\else%
525 %create button faces if necessary
526 \if@anim@controls%
527 \ifcsname
528 btncol:\@anim@bgcolour:\@anim@fgcolour\endcsname\else%
529 \@anim@makebuttons{\the\@anim@num}%
530 \@anim@newkey{btncol:\@anim@bgcolour:\@anim@fgcolour}{\the\@anim@num}%
531 \fi%
532 \fi%
533 \if@anim@step\else%
534 \xdef\@anim@nfps{-1}%
535 \@anim@processfpsarg{#2}%
536 \fi%
537 \fi%

```



```

538 \ifdefined\NoHyper\NoHyper\fi% silently suppress any hyperref specials
539 \let\newframe\@anim@newframe%
540 \let\multiframe\@anim@multiframe%
541 \@anim@beginframe%
542 \ignorespaces%
543 }{
544 \unskip%
545 \@anim@endframe{\the\@anim@num}{\the\@anim@curframe@zb}%
546 \ifdefined\endNoHyper\endNoHyper\fi%
547 \global\advance\@anim@curframe@zb by \@ne%
548 \if@anim@draft\else%
549 \xdef\@anim@frames{\the\@anim@curframe@zb}% total number
550 \global\@anim@tmpcnt=\@anim@frames%
551 \global\advance\@anim@tmpcnt by -\@ne%
552 \xdef\@anim@maxframe{\the\@anim@tmpcnt}% highest frame index
553 %build timeline from optional timeline file
554 \@anim@sanitizeJS%
555 \if@anim@timeline\@anim@buildtmtn{\the\@anim@num}\fi%
556 %insert animation widget & controls
557 \@anim@insertwidgets{\the\@anim@num}{%
558   \@anim@getkeyval{btncol:\@anim@bgcolour:\@anim@fgcolour}}%
559 \@anim@endsanitize%
560 % if last frame used as poster, write frame num to aux file
561 \ifnum\@anim@poster=\@anim@mone\relax%
562   \@anim@keytoaux{a\the\@anim@num.poster}{\@anim@maxframe}%
563 \fi%
564 \fi%
565 \endL%
566 \endgroup%
567 \global\advance\@anim@num by \@ne%
568 }
569 \let\@anim@animateinline\animateinline
570 \def\animateinline{\@anim@sanitizeColon\@anim@animateinline}

```

7.9 array-xetex-bidi.def

```

571 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for XeTeX]
572 \def\@testpach{\@chclass
573 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
574 \ifnum \@lastchclass=7 5 \else
575 \ifnum \@lastchclass=8 \tw@ \else
576 \ifnum \@lastchclass=9 \thr@@
577 \else \z@
578 \ifnum \@lastchclass = 10 \else
579 \edef\@nextchar{\expandafter\string\@nextchar}%
580 \@chnum
581 \if \@nextchar c\z@ \else
582 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
583 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
584 \z@ \@chclass

```




```

585 \if\@nextchar |\@ne \else
586 \if \@nextchar !6 \else
587 \if \@nextchar @7 \else
588 \if \@nextchar <8 \else
589 \if \@nextchar >9 \else
590 10
591 \@chnum
592 \if \@nextchar m\thr@@\else
593 \if \@nextchar p4 \else
594 \if \@nextchar b5 \else
595 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
596 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
597 \def\@tabular{\if@RTL\@RTLtabtrue\fi%
598 \leavevmode
599 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
600 \let\d@llarend\endR
601 \@tabarray}
602 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
603 \expandafter\let\csname endtabular*\endcsname=\endtabular
604 \def\@array[#1]#2{%
605 \@tempdima \ht \strutbox
606 \advance \@tempdima by\extrarowheight
607 \setbox \@arstrutbox \hbox{\vrule
608 \@height \arraystretch \@tempdima
609 \@depth \arraystretch \dp \strutbox
610 \@width \z@}%
611 \beginR
612 \@mkpream{#2}%
613 \xdef\@preamble{\noexpand \ialign \@halignto
614 \bgroup \@arstrut \@preamble
615 \tabskip \z@ \cr}%
616 \endgroup
617 \@arrayleft
618 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
619 \bgroup
620 \let \@sharp ##\let \protect \relax
621 \lineskip \z@
622 \baselineskip \z@
623 \m@th
624 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop
625 \def\@tabarray{\@ifnextchar [{\@array}{\@array[c]}}
626 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
627 \def\array{\col@sep\arraycolsep
628 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}
629 \@RTLtabfalse\@tabarray}

```

7.10 article-xetex-bidi.def

```

630 \ProvidesFile{article-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for standard article class]
631 \if@titlepage

```



```

632 \renewcommand\maketitle{\begin{titlepage}%
633 \let\footnotesize\small
634 \let\right@footnoterule\relax
635 \let\left@footnoterule\relax
636 \let\textwidth@footnoterule\relax
637 \let \footnote \thanks
638 \let \LTRfootnote \LTRthanks
639 \let \RTLfootnote \RTLthanks
640 \null\vfil
641 \vskip 60\p@
642 \begin{center}%
643 {\LARGE \@title \par}%
644 \vskip 3em%
645 {\large
646 \lineskip .75em%
647 \begin{tabular}[t]{c}%
648 \@author
649 \end{tabular}\par}%
650 \vskip 1.5em%
651 {\large \@date \par}% % Set date in \large size.
652 \end{center}\par
653 \@thanks
654 \vfil\null
655 \end{titlepage}%
656 \setcounter{footnote}{0}%
657 \global\let\thanks\relax
658 \global\let\LTRthanks\relax
659 \global\let\RTLthanks\relax
660 \global\let\maketitle\relax
661 \global\let\@thanks\@empty
662 \global\let\@author\@empty
663 \global\let\@date\@empty
664 \global\let\@title\@empty
665 \global\let\title\relax
666 \global\let\author\relax
667 \global\let\date\relax
668 \global\let\and\relax
669 }
670 \else
671 \renewcommand\maketitle{\par
672 \begingroup
673 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
674 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
675 \long\def\@makefntext##1{\parindent 1em\noindent
676 \hb@xt@1.8em{%
677 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
678 \if@twocolumn
679 \ifnum \col@number=\@ne
680 \@maketitle
681 \else

```



```

682         \twocolumn[\@maketitle]%
683         \fi
684     \else
685         \newpage
686         \global\@topnum\z@    % Prevents figures from going at top of page.
687         \@maketitle
688         \fi
689         \thispagestyle{plain}\@thanks
690     \endgroup
691     \setcounter{footnote}{0}%
692     \global\let\thanks\relax
693     \global\let\LTRthanks\relax
694     \global\let\RTLthanks\relax
695     \global\let\maketitle\relax
696     \global\let\@maketitle\relax
697     \global\let\@thanks\@empty
698     \global\let\@author\@empty
699     \global\let\@date\@empty
700     \global\let\@title\@empty
701     \global\let\title\relax
702     \global\let\author\relax
703     \global\let\date\relax
704     \global\let\and\relax
705 }
706 \def\@maketitle{%
707     \newpage
708     \null
709     \vskip 2em%
710     \begin{center}%
711         \let \footnote \thanks
712         \let \LTRfootnote \LTRthanks
713         \let \RTLfootnote \RTLthanks
714         {\LARGE \@title \par}%
715         \vskip 1.5em%
716         {\large
717             \lineskip .5em%
718             \begin{tabular}[t]{c}%
719                 \@author
720             \end{tabular}\par}%
721         \vskip 1em%
722         {\large \@date}%
723     \end{center}%
724     \par
725     \vskip 1.5em}
726 \fi
727 \renewcommand*{\l@part[2]}{%
728     \ifnum \c@tocdepth >-2\relax
729         \addpenalty\@secpenalty
730         \addvspace{2.25em \@plus\p@}%
731         \setlength\@tempdima{3em}%

```



```

732 \begingroup
733 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
734 \parfillskip -\@pnumwidth
735 {\leavevmode
736 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
737 \nobreak
738 \if@compatibility
739 \global\@nobreaktrue
740 \everypar{\global\@nobreakfalse\everypar{}}%
741 \fi
742 \endgroup
743 \fi}
744 \renewcommand*{\l@section[2]}{%
745 \ifnum \c@tocdepth >\z@
746 \addpenalty\@secpenalty
747 \addvspace{1.0em \@plus\p@}%
748 \setlength\@tempdima{1.5em}%
749 \begingroup
750 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
751 \parfillskip -\@pnumwidth
752 \leavevmode \bfseries
753 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
754 \hskip -\if@RTL\rightskip\else\leftskip\fi
755 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
756 \endgroup
757 \fi}
758 \renewcommand\left@footnoterule{%
759 \kern-3\p@
760 \hrule\@width.4\columnwidth
761 \kern2.6\p@}
762 \renewcommand\right@footnoterule{%
763 \kern-3\p@
764 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
765 \kern2.6\p@}
766 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
767 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
768 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
769 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
770 \def\@part[#1]#2{%
771 \ifnum \c@secnumdepth >\m@ne
772 \refstepcounter{part}%
773 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
774 \else
775 \addcontentsline{toc}{part}{#1}%
776 \fi
777 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
778 \interlinepenalty \@M
779 \normalfont
780 \ifnum \c@secnumdepth >\m@ne
781 \Large\bfseries \partname\nobreakspace\thepart

```



```

782     \par\nobreak
783     \fi
784     \huge \bfseries #2%
785     \markboth{}{}\par}%
786     \nobreak
787     \vskip 3ex
788     \@afterheading}
789 \renewenvironment{thebibliography}[1]
790     {\section*{\refname}%
791     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
792     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
793     \list{\@biblabel{\@arabic\c@enumiv}}%
794         {\settowidth\labelwidth{\@biblabel{#1}}%
795         \leftmargin\labelwidth
796         \advance\leftmargin\labelsep
797         \@openbib@code
798         \usecounter{enumiv}%
799         \let\p@enumiv\@empty
800         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
801     \sloppy
802     \clubpenalty4000
803     \@clubpenalty \clubpenalty
804     \widowpenalty4000%
805     \sfcode`.\@m}
806     {\def\@noitemerr
807     {\@latex@warning{Empty `thebibliography' environment}}}%
808     \endlist}
809 \renewenvironment{theindex}
810     {\if@twocolumn
811     \@restonecolfalse
812     \else
813     \@restonecoltrue
814     \fi
815     \columnseprule \z@
816     \columnsep 35\p@
817     \twocolumn[\section*{\indexname}]%
818     \@mkboth{\MakeUppercase\indexname}%
819     {\MakeUppercase\indexname}%
820     \thispagestyle{plain}\parindent\z@
821     \parskip\z@ \@plus .3\p@\relax
822     \let\item\@idxitem}
823     {\if@restonecol\onecolumn\else\clearpage\fi}

```

7.11 artikel1-xetex-bidi.def

```

824 \ProvidesFile{artikel1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel1 class for X
825 \renewenvironment{theindex}{%
826     \if@twocolumn
827     \@restonecolfalse
828     \else

```



```

829 \restonecoltrue
830 \fi
831 \columnseprule \z@
832 \columnsep 35\p@
833 \twocolumn[\section*{\indexname}]%
834 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
835 \thispagestyle{plain}\parindent\z@
836 \parskip\z@ \@plus .3\p@\relax
837 \let\item\@idxitem
838 }{%
839 \if@restonecol\onecolumn\else\clearpage\fi}
840 \renewcommand*{\head@style}{%
841 \interlinepenalty \@M
842 \hyphenpenalty=\@M \exhyphenpenalty=\@M
843 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
844 \if@titlepage
845 \renewenvironment{abstract}{%
846 \titlepage
847 \null\vfil
848 \section*{\SectFont\abstractname}
849 \noindent\ignorespaces}
850 {\par\vfil\null\endtitlepage}
851 \else
852 \renewenvironment{abstract}{%
853 \if@twocolumn
854 \section*{\abstractname}%
855 \else
856 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
857 \section*{\small\SectFont\abstractname}%
858 \noindent\ignorespaces
859 \fi}
860 {\if@twocolumn\else\par\egroup\fi}
861 \fi
862 \renewcommand*{\@regtocline}[3]{%
863 \ifnum #1>\c@tocdepth
864 \else
865 \vskip\z@\@plus.2\p@
866 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
867 \if@RTL\rightskip\else\leftskip\fi\unitindent
868 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
869 \parfillskip\z@
870 \@tempdima\unitindent
871 \parindent\z@
872 \leavevmode
873 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
874 \hskip 1em \nobreak{\slshape #3}\par
875 }%
876 \fi}
877 \if@oldtoc
878 \renewcommand*{\l@part}[2]{%

```



```

879 \ifnum \c@tocdepth >-2\relax
880 \addpenalty\@secpenalty
881 \addvspace{2.25em \@plus\p@}%
882 \begingroup
883 \setlength\@tempdima{3em}%
884 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
885 \parfillskip -\@pnumwidth
886 {\leavevmode
887 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
888 \nobreak
889 \if@compatibility
890 \global\@nobreaktrue
891 \everypar{\global\@nobreakfalse\everypar{}}%
892 \fi
893 \endgroup
894 \fi}
895 \else
896 \renewcommand*\l@part{%
897 \ifnum \c@tocdepth >-2\relax
898 \addpenalty\@secpenalty
899 \addvspace{2.25em \@plus \p@}%
900 \@regtocline{0}%
901 \fi}
902 \fi
903 \if@oldtoc
904 \renewcommand*\l@section[2]{%
905 \addpenalty\@secpenalty
906 \addvspace{1.0em \@plus\p@}%
907 \setlength\@tempdima{1.5em}%
908 \begingroup
909 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
910 \parfillskip -\@pnumwidth
911 \leavevmode \bfseries
912 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
913 \hskip -\if@RTL\rightskip\else\leftskip\fi
914 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
915 \endgroup}
916 \else
917 \renewcommand*\l@section{\@regtocline{1}}
918 \fi
919 \renewcommand*\thesubsection{\thesecmark\@arabic\c@subsection}
920 \renewcommand*\thesubsubsection{\thesecmark\@arabic\c@subsubsection}
921 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
922 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
923 \renewenvironment{thebibliography}[1]
924 {\section*\refname}%
925 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
926 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
927 \list{\@biblabel{\@arabic\c@enumiv}}%
928 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

929         \leftmargin\labelwidth
930         \advance\leftmargin\labelsep
931         \@openbib@code
932         \usecounter{enumiv}%
933         \let\p@enumiv\@empty
934         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
935     \sloppy\clubpenalty4000\widowpenalty4000%
936     \sfcode`.\@m}
937     {\def\@noitemerr
938      {\@latex@warning{Empty `thebibliography' environment}}}%
939     \endlist}
940 \renewcommand*\left@footnoterule{%
941   \kern-3\p@
942   \kern.5\baselineskip
943   \hrule\@width\unitindent
944   \kern.4\baselineskip
945 }
946 \renewcommand*\right@footnoterule{%
947   \kern-3\p@
948   \kern.5\baselineskip
949   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
950   \kern.4\baselineskip}
951 \if@titlepage
952 \renewcommand*\TitleFont{\rmfamily}
953 \renewcommand*\maketitle{%
954   \begin{titlepage}%
955     \let\footnotesize\small
956     \let\right@footnoterule\relax
957     \let\left@footnoterule\relax
958     \let\textwidth@footnoterule\relax
959     \let \footnote \thanks
960     \long\def\@makefnmark##1{\parindent\z@
961       \def\labelitemi{\textendash}\@revlabeltrue
962       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
963     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
964     \if@compatibility\setcounter{page}{0}\fi
965     \null\vfil
966     \vskip 60\p@
967     \begin{center}%
968       \TitleFont
969       {\LARGE \def\{\{\penalty -\@M}
970       \if@allcaps
971         \expandafter\uc@nothanks\@title\thanks\relax
972       \else
973         \@title
974       \fi\par}%
975     \vskip 3em%
976     {\large
977       \lineskip .75em \parindent\z@
978       \begin{tabular}[t]{c}%

```




```

979         \if@allcaps
980         \expandafter\uc@authornothanks\@author\and\relax
981         \else
982         \@author
983         \fi
984     \end{tabular}\par}%
985     \vskip 1.5em%
986     {\large
987     \if@allcaps
988     \uppercase\expandafter{\@date}%
989     \else
990     \@date
991     \fi\par}%
992     \end{center}\par
993     \@thanks
994     \vfil\null
995 \end{titlepage}%
996 \setcounter{footnote}{0}%
997 \global\let\thanks\relax
998 \global\let\maketitle\relax
999 \global\let\@thanks\@empty
1000 \global\let\@author\@empty
1001 \global\let\@title\@empty
1002 \global\let\@date\@empty
1003 \global\let\title\relax
1004 \global\let\author\relax
1005 \global\let\date\relax
1006 \global\let\and\relax
1007 }
1008 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1009 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1010     \futurelet\@tempa\uc@ax}
1011 \def\uc@ax{%
1012     \ifx\@tempa\relax
1013     \else
1014     \\\andname \\\expandafter\uc@authornothanks
1015     \fi}
1016 \def\uc@tx{\ifx\@tempa\relax
1017     \else \expandafter\uc@ty \fi}
1018 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1019 \else
1020 \renewcommand*\maketitle{\par
1021     \begin{group}
1022     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1023     \def\@makefnmark{\rlap{%
1024         \textsuperscript{\normalfont\@thefnmark}}}%
1025     \long\def\@makefntext{\xmakefntext{%
1026         \textsuperscript{\normalfont\@thefnmark}}}%
1027     \if@twocolumn
1028         \ifnum \col@number=\@ne

```



```

1029         \@maketitle
1030     \else
1031         \twocolumn[\@maketitle]%
1032     \fi
1033 \else
1034     \newpage
1035     \global\@topnum\z@
1036     \@maketitle
1037 \fi
1038 \thispagestyle{plain}\@thanks
1039 \endgroup
1040 \setcounter{footnote}{0}%
1041 \global\let\thanks\relax
1042 \global\let\maketitle\relax
1043 \global\let\@maketitle\relax
1044 \global\let\@thanks\@empty
1045 \global\let\@author\@empty
1046 \global\let\@title\@empty
1047 \global\let\@date\@empty
1048 \global\let\title\relax
1049 \global\let\author\relax
1050 \global\let\date\relax
1051 \global\let\and\relax
1052 }
1053 \def\@maketitle{%
1054     \newpage
1055     \null
1056     \vskip 2em%
1057     \begin{center}%
1058         \let \footnote \thanks
1059         {\LARGE \TitleFont \@title \par}%
1060         \vskip 1.5em%
1061         {\large \TitleFont
1062             \lineskip .5em%
1063             \begin{tabular}[t]{c}%
1064                 \@author
1065             \end{tabular}\par}%
1066         \vskip 1em%
1067         {\large \TitleFont \@date}%
1068     \end{center}%
1069     \par
1070     \vskip 1.5em}
1071 \fi

```

7.12 artikel2-xetex-bidi.def

```

1072 \ProvidesFile{artikel2-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel2 class for X
1073 \renewenvironment{theindex}{%
1074     \if@twocolumn
1075         \@restonecolfalse

```



```

1076 \else
1077   \@restonecoltrue
1078 \fi
1079 \columnseprule \z@
1080 \columnsep 35\p@
1081 \twocolumn[\section*{\indexname}]%
1082 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1083 \thispagestyle{plain}\parindent\z@
1084 \parskip\z@ \@plus .3\p@\relax
1085 \let\item\@idxitem
1086 }{%
1087 \if@restonecol\onecolumn\else\clearpage\fi}
1088 \renewcommand*\@regtocline[3]{%
1089 \ifnum #1>\c@tocdepth
1090 \else
1091   \vskip\z@ \@plus .2\p@
1092   {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1093   \if@RTL\righskip\else\leftskip\fi\unitindent
1094   \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
1095   \parfillskip\z@
1096   \@tempdima\unitindent
1097   \advance\@tempdima by \othermargin
1098   \parindent\z@
1099   \leavevmode
1100   \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
1101   \hskip 1em \nobreak{\slshape #3}\par
1102   }%
1103 \fi}
1104 \if@oldtoc
1105 \renewcommand*\l@section[2]{%
1106   \addpenalty\@secpenalty
1107   \addvspace{1.0em \@plus\p@}%
1108   \setlength\@tempdima{1.5em}%
1109   \begingroup
1110   \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
1111   \parfillskip -\@pnumwidth
1112   \leavevmode \bfseries
1113   \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
1114   \hskip -\if@RTL\righskip\else\leftskip\fi
1115   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1116   \endgroup}
1117 \else
1118 \renewcommand*\l@section{\@regtocline{1}}
1119 \fi
1120 \if@oldtoc
1121 \renewcommand*\l@part[2]{%
1122 \ifnum \c@tocdepth >-2\relax
1123   \addpenalty\@secpenalty
1124   \addvspace{2.25em \@plus\p@}%
1125   \begingroup

```



```

1126 \setlength\@tempdima{3em}%
1127 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1128 \parfillskip -\@pnumwidth
1129 {\leavevmode
1130 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1131 \nobreak
1132 \if@compatibility
1133 \global\@nobreaktrue
1134 \everypar{\global\@nobreakfalse\everypar{}}%
1135 \fi
1136 \endgroup
1137 \fi}
1138 \else
1139 \renewcommand*\l@part{%
1140 \ifnum \c@tocdepth >-2\relax
1141 \addpenalty\@secpenalty
1142 \addvspace{2.25em \@plus \p@}%
1143 \@regtocline{0}%
1144 \fi}
1145 \fi
1146 \renewcommand*\head@style{%
1147 \interlinepenalty \@M
1148 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1149 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1150 \if@titlepage
1151 \renewenvironment{abstract}{%
1152 \titlepage
1153 \null\vfil
1154 \section*{\SectFont\abstractname}%
1155 \noindent\ignorespaces}
1156 {\par\vfil\null\endtitlepage}
1157 \else
1158 \renewenvironment{abstract}{%
1159 \if@twocolumn
1160 \section*{\abstractname}%
1161 \else
1162 \section*{\hspace\unitindent\small\SectFont\abstractname}%
1163 \list{}{\setlength\listparindent{\unitindent}%
1164 \setlength\parindent {\z@}%
1165 \setlength\leftmargin {\unitindent}%
1166 \setlength\rightmargin {\unitindent}%
1167 \setlength\parsep {\z@}}%
1168 \item[]%
1169 \fi}
1170 {\if@twocolumn\else\par\endlist\fi}
1171 \fi
1172 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1173 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1174 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1175 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}

```



```

1176 \renewcommand*\left@footnoterule{%
1177   \kern-3\p@
1178   \hrule\@width 3\unitindent
1179   \kern 2.6\p@
1180 }
1181 \renewcommand*\right@footnoterule{%
1182   \kern-3\p@
1183   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
1184   \kern 2.6\p@}
1185 \renewenvironment{thebibliography}[1]
1186   {\section*{\refname}%
1187    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1188    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1189    \list{\@biblabel{\@arabic\c@enumiv}}%
1190          {\settowidth\labelwidth{\@biblabel{#1}}%
1191           \leftmargin\labelwidth
1192           \advance\leftmargin\labelsep
1193           \@openbib@code
1194           \usecounter{enumiv}%
1195           \let\p@enumiv\@empty
1196           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1197   \sloppy\clubpenalty4000\widowpenalty4000%
1198   \sfcode`\.\@m}
1199   {\def\@noitemerr
1200    {\@latex@warning{Empty `thebibliography' environment}}%
1201    \endlist}
1202 \if@titlepage
1203 \renewcommand*\TitleFont{\rmfamily}
1204 \renewcommand*\maketitle{%
1205   \begin{titlepage}%
1206     \let\footnotesize\small
1207     \let\right@footnoterule\relax
1208     \let\left@footnoterule\relax
1209     \let\textwidth@footnoterule\relax
1210     \let \footnote \thanks
1211     \long\def\@makefnmark##1{\parindent\z@
1212       \def\labelitemi{\textendash}\@revlabeltrue
1213       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1214     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1215     \if@compatibility\setcounter{page}{0}\fi
1216     \null\vfil
1217     \vskip 60\p@
1218     \begin{center}%
1219       \TitleFont
1220       {\LARGE \def\\{\penalty -\@M}
1221        \if@allcaps
1222          \expandafter\uc@nothanks\@title\thanks\relax
1223        \else
1224          \@title
1225        \fi\par}%

```



```

1226 \vskip 3em%
1227 {\large
1228 \lineskip .75em \parindent\z@
1229 \begin{tabular}[t]{c}%
1230 \if@allcaps
1231 \expandafter\uc@authornothanks\@author\and\relax
1232 \else
1233 \@author
1234 \fi
1235 \end{tabular}\par}%
1236 \vskip 1.5em%
1237 {\large
1238 \if@allcaps
1239 \uppercase\expandafter{\@date}%
1240 \else
1241 \@date
1242 \fi\par}%
1243 \end{center}\par
1244 \@thanks
1245 \vfil\null
1246 \end{titlepage}%
1247 \setcounter{footnote}{0}%
1248 \global\let\thanks\relax
1249 \global\let\maketitle\relax
1250 \global\let\@thanks\@empty
1251 \global\let\@author\@empty
1252 \global\let\@title\@empty
1253 \global\let\@date\@empty
1254 \global\let\title\relax
1255 \global\let\author\relax
1256 \global\let\date\relax
1257 \global\let\and\relax
1258 }
1259 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1260 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1261 \futurelet\@tempa\uc@ax}
1262 \def\uc@ax{%
1263 \ifx\@tempa\relax
1264 \else
1265 \\\andname \\\expandafter\uc@authornothanks
1266 \fi}
1267 \def\uc@tx{\ifx\@tempa\relax
1268 \else \expandafter\uc@ty \fi}
1269 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1270 \else
1271 \renewcommand*\maketitle{\par
1272 \begin{group
1273 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1274 \long\def\@makefnintext##1{\parindent\z@
1275 \def\labelitemi{\textendash}%

```



```

1276      \leavevmode\hb@xt@.5\unitindent{%
1277      \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1278  \if@twocolumn
1279      \ifnum \col@number=\@ne
1280          \@maketitle
1281      \else
1282          \twocolumn[\@maketitle]%
1283      \fi
1284  \else
1285      \newpage
1286      \global\@topnum\z@
1287      \@maketitle
1288  \fi
1289  \thispagestyle{plain}\@thanks
1290 \endgroup
1291 \setcounter{footnote}{0}%
1292 \global\let\thanks\relax
1293 \global\let\maketitle\relax
1294 \global\let\@maketitle\relax
1295 \global\let\@thanks\@empty
1296 \global\let\@author\@empty
1297 \global\let\@title\@empty
1298 \global\let\@date\@empty
1299 \global\let\title\relax
1300 \global\let\author\relax
1301 \global\let\date\relax
1302 \global\let\and\relax
1303 }
1304 \def\@maketitle{%
1305     \newpage
1306     \null
1307     \vskip 2em%
1308     \begin{center}%
1309         \let \footnote \thanks
1310         {\LARGE \TitleFont \@title \par}%
1311         \vskip 1.5em%
1312         {\large \TitleFont
1313             \lineskip .5em%
1314             \begin{tabular}[t]{c}%
1315                 \@author
1316             \end{tabular}\par}%
1317         \vskip 1em%
1318         {\large \TitleFont \@date}%
1319     \end{center}%
1320     \par
1321     \vskip 1.5em}
1322 \fi

```

7.13 artikel3-xetex-bidi.def



```

1323 \ProvidesFile{artikel3-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for artikel3 class for X
1324 \renewenvironment{theindex}{%
1325   \if@twocolumn
1326     \@restonecolfalse
1327   \else
1328     \@restonecoltrue
1329   \fi
1330   \columnseprule \z@
1331   \columnsep 35\p@
1332   \twocolumn[\section*{\indexname}]%
1333   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1334   \thispagestyle{plain}\parindent\z@
1335   \parskip\z@ \@plus .3\p@\relax
1336   \let\item\@idxitem
1337 }{%
1338   \if@restonecol\onecolumn\else\clearpage\fi}
1339 \renewcommand*{\head@style}{%
1340   \interlinepenalty \@M
1341   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1342   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1343 \renewcommand*{\regtocline}[3]{%
1344   \ifnum #1>\c@tocdepth
1345   \else
1346     \vskip\z@\@plus.2\p@
1347     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1348     \if@RTL\rightskip\else\leftskip\fi\unitindent
1349     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1350     \parfillskip\z@
1351     \@tempdima\unitindent
1352     \parindent\z@
1353     \leavevmode
1354     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1355     \hskip 1em \nobreak{\slshape #3}\par
1356   }%
1357   \fi}
1358 \if@oldtoc
1359 \renewcommand*{\l@part}[2]{%
1360   \ifnum \c@tocdepth >-2\relax
1361     \addpenalty\@secpenalty
1362     \addvspace{2.25em \@plus\p@}%
1363     \begingroup
1364       \setlength\@tempdima{3em}%
1365       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1366       \parfillskip -\@pnumwidth
1367       {\leavevmode
1368         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1369       \nobreak
1370       \if@compatibility
1371       \global\@nobreaktrue
1372       \everypar{\global\@nobreakfalse\everypar{}}%

```




```

1373     \fi
1374   \endgroup
1375 \fi}
1376 \else
1377   \renewcommand*\l@part{%
1378     \ifnum \c@tocdepth >-2\relax
1379     \addpenalty\@secpenalty
1380     \addvspace{2.25em \@plus \p@}%
1381     \@regtocline{0}%
1382   \fi}
1383 \fi
1384
1385 \if@oldtoc
1386 \renewcommand*\l@section[2]{%
1387   \addpenalty\@secpenalty
1388   \addvspace{1.0em \@plus \p@}%
1389   \setlength\@tempdima{1.5em}%
1390   \begingroup
1391   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1392   \parfillskip -\@pnumwidth
1393   \leavevmode \bfseries
1394   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1395   \hskip -\if@RTL\rightskip\else\leftskip\fi
1396   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1397 \endgroup}
1398 \else
1399 \renewcommand*\l@section{\@regtocline{1}}
1400 \fi
1401 \if@titlepage
1402 \renewenvironment{abstract}{%
1403   \titlepage
1404   \null\vfil
1405   \section*\SectFont\abstractname}%
1406 \noindent\ignorespaces}
1407 {\par\vfil\null\endtitlepage}
1408 \else
1409 \renewenvironment{abstract}{%
1410   \if@twocolumn
1411     \section*\abstractname}%
1412   \else
1413     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1414     \section*\small\SectFont\abstractname}%
1415     \noindent\ignorespaces
1416   \fi}
1417 {\if@twocolumn\else\par\egroup\fi}
1418 \fi
1419 \renewcommand*\left@footnoterule{%
1420   \kern-3\p@
1421   \kern.5\baselineskip
1422   \hrule\@width\unitindent

```



```

1423 \kern.4\baselineskip
1424 }
1425 \renewcommand*\right@footnoterule{%
1426 \kern-3\p@
1427 \kern.5\baselineskip
1428 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1429 \kern.4\baselineskip}
1430 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1431 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1432 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1433 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1434 \renewenvironment{thebibliography}[1]
1435 {
1436 \section*{\refname}%
1437 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1438 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1439 \list{\@biblabel{\@arabic\c@enumiv}}%
1440 {\settowidth\labelwidth{\@biblabel{#1}}%
1441 \leftmargin\labelwidth
1442 \advance\leftmargin\labelsep
1443 \openbib@code
1444 \usecounter{enumiv}%
1445 \let\p@enumiv\empty
1446 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1447 \sloppy\clubpenalty4000\widowpenalty4000
1448 \sfcode`.\@m
1449 {\def\@noitemerr
1450 {\@latex@warning{Empty `thebibliography' environment}}%
1451 \endlist}
1452 \if@titlepage
1453 \renewcommand*\TitleFont{\rmfamily}
1454 \renewcommand*\maketitle{%
1455 \begin{titlepage}%
1456 \let\footnotesize\small
1457 \let\right@footnoterule\relax
1458 \let\left@footnoterule\relax
1459 \let\textwidth\footnoterule\relax
1460 \let\footnote\thanks
1461 \long\def\@makefnmark##1{\parindent\z@
1462 \def\labelitemi{\textendash}\@revlabeltrue
1463 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1464 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1465 \if@compatibility\setcounter{page}{0}\fi
1466 \null\vfil
1467 \vskip 60\p@
1468 \begin{center}%
1469 \TitleFont
1470 {\LARGE \def\@penalty{-\@M}
1471 \if@allcaps
1472 \expandafter\uc@nothanks\@title\thanks\relax

```



```

1473         \@title
1474         \fi\par}%
1475     \vskip 3em%
1476     {\large
1477         \lineskip .75em \parindent\z@
1478         \begin{tabular}[t]{c}%
1479             \if@allcaps
1480                 \expandafter\uc@authornothanks\@author\and\relax
1481             \else
1482                 \@author
1483             \fi
1484         \end{tabular}\par}%
1485     \vskip 1.5em%
1486     {\large
1487         \if@allcaps
1488             \uppercase\expandafter{\@date}%
1489         \else
1490             \@date
1491         \fi\par}%
1492     \end{center}\par
1493     \@thanks
1494     \vfil\null
1495 \end{titlepage}%
1496 \setcounter{footnote}{0}%
1497 \global\let\thanks\relax
1498 \global\let\maketitle\relax
1499 \global\let\@thanks\@empty
1500 \global\let\@author\@empty
1501 \global\let\@title\@empty
1502 \global\let\@date\@empty
1503 \global\let\title\relax
1504 \global\let\author\relax
1505 \global\let\date\relax
1506 \global\let\and\relax
1507 }
1508 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1509 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1510     \futurelet\@tempa\uc@ax}
1511 \def\uc@ax{%
1512     \ifx\@tempa\relax
1513     \else
1514         \\\andname \\\expandafter\uc@authornothanks
1515     \fi}
1516 \def\uc@tx{\ifx\@tempa\relax
1517     \else \expandafter\uc@ty \fi}
1518 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1519 \else
1520 \renewcommand*\maketitle{\par
1521     \begingroup
1522     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%

```



```

1523 \def\@makefnmark{\rlap{%
1524 \textsuperscript{\normalfont\@thefnmark}}}%
1525 \long\def\@makefntext{\@xmakefntext{%
1526 \textsuperscript{\normalfont\@thefnmark}}}%
1527 \if@twocolumn
1528 \ifnum \col@number=\@ne
1529 \maketitle
1530 \else
1531 \twocolumn[\maketitle]%
1532 \fi
1533 \else
1534 \newpage
1535 \global\@topnum\z@
1536 \maketitle
1537 \fi
1538 \thispagestyle{plain}\@thanks
1539 \endgroup
1540 \setcounter{footnote}{0}%
1541 \global\let\thanks\relax
1542 \global\let\maketitle\relax
1543 \global\let\@maketitle\relax
1544 \global\let\@thanks\@empty
1545 \global\let\@author\@empty
1546 \global\let\@title\@empty
1547 \global\let\@date\@empty
1548 \global\let\title\relax
1549 \global\let\author\relax
1550 \global\let\date\relax
1551 \global\let\and\relax
1552 }
1553 \def\@maketitle{%
1554 \newpage
1555 \null
1556 \vskip 2em%
1557 \if@titlecentered
1558 \begin{center}%
1559 \let \footnote \thanks
1560 {\LARGE \TitleFont \@title \par}%
1561 \vskip 1.5em%
1562 {\large \TitleFont
1563 \lineskip .5em%
1564 \begin{tabular}[t]{c}%
1565 \@author
1566 \end{tabular}\par}%
1567 \vskip 1em%
1568 {\large \TitleFont \@date}%
1569 \end{center}%
1570 \else
1571 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
1572 {\large \TitleFont \lineskip .5em \tabcolsep\z@

```



```

1573         \def\and{%% \begin{tabular} has already started
1574             \end{tabular}\hskip 1em plus .17fil
1575             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
1576             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1577     \vskip 1em {\large \TitleFont \@date}
1578 \fi
1579 \par
1580 \vskip 1.5em}
1581 \fi

```

7.14 arydshln-xetex-bidi.def

```

1582 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for
1583 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1584 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
1585 \expandafter\let\csname endtabular*\endcsname\endtabular
1586 \let\adl@array\@array
1587 \def\@array{\adl@everyvbox\everyvbox
1588     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1589     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1590     \let\adl@noalign\noalign
1591     \adl@array}
1592 \ifadl@usingarypkg
1593 \def\@testpach{\@chclass
1594     \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1595     \ifnum \@lastchclass=7 5 \else
1596     \ifnum \@lastchclass=8 \tw@ \else
1597     \ifnum \@lastchclass=9 \thr@@
1598     \else \z@
1599     \ifnum \@lastchclass = 10 \else
1600     \edef\@nextchar{\expandafter\string\@nextchar}%
1601     \@chnum
1602     \if \@nextchar c\z@ \else
1603     \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1604     \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1605     \z@ \@chclass
1606     \if \@nextchar \|\@ne \let\@arrayrule\adl@arrayrule \else
1607     \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1608     \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1609     \if \@nextchar !6 \else
1610     \if \@nextchar @7 \else
1611     \if \@nextchar <8 \else
1612     \if \@nextchar >9 \else
1613     10
1614     \@chnum
1615     \if \@nextchar m\thr@@\else
1616     \if \@nextchar p4 \else
1617     \if \@nextchar b5 \else
1618     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1619     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```



```

1620
1621 \def\@classz{\@classx
1622   \@tempcnta \count@
1623   \prepnext@tok
1624   \@addtopreamble{\ifcase \@chnum
1625     \hfil
1626     \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1627     \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1628     \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1629     \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1630     \adl@endmbox\or
1631     \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1632     \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1633     \fi}\prepnext@tok}
1634 \def\adl@class@start{4}
1635 \def\adl@class@iiiorvii{7}
1636
1637 \else
1638 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1639   \ifnum \@lastchclass=\thr@@ 5\relax \else
1640     \z@ \if #1c\@chnum \z@ \else
1641       \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1642       \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1643       \@chclass
1644       \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1645       \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1646       \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1647       \if #1@\tw@ \else
1648       \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1649     \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1650
1651 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1652   \or \or \@addamp \or
1653   \@acolampacol \or \@firststampfalse \@acol \fi
1654   \edef\@preamble{\@preamble
1655     \ifcase \@chnum
1656       \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1657       \or \adl@putlrc{\$relax\@sharp$}\hfil
1658       \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1659 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1660   \or \or \@addamp \or
1661   \@acolampacol \or \@firststampfalse \@acol \fi
1662   \edef\@preamble{\@preamble
1663     \ifcase \@chnum
1664       \hfil\adl@putlrc{\@sharp\unskip}\hfil
1665       \or \adl@putlrc{\@sharp\unskip}\hfil
1666       \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1667 \def\adl@class@start{6}
1668 \def\adl@class@iiiorvii{3}
1669 \fi

```



```

1670 \ifpackageloaded{colortbl}{%
1671 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1672 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1673 \let\@endpbox\adl@org@endpbox}
1674 \let\adl@CT@setup\CT@setup
1675 \def\CT@setup{\adl@CT@setup
1676 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1677 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1678 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1679 \let\adl@act@CT@setup\CT@setup
1680 \def\@classz{\@classx
1681 \@tempcnta\count@ \prepnext@tok
1682 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1683 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1684 \expandafter\adl@extract@drsc
1685 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1686 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1687 \@addtopreamble{\ifRTL\beginL\fi%
1688 \setbox\z@\hbox\bgroup\bgroup\ifRTL\beginR\fi
1689 \ifcase \@chnum
1690 \hskip\stretch{.5}\kern\z@
1691 \d@llarbegin
1692 \insert@column
1693 \d@llarend\hskip\stretch{.5}%
1694 \or \d@llarbegin \insert@column \d@llarend \hfill
1695 \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1696 \or $\vcenter
1697 \@startpbox{\@nextchar}\insert@column \@endpbox $%
1698 \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1699 \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1700 \fi
1701 \ifRTL\endR\fi\egroup\egroup
1702 \begingroup
1703 \CT@setup
1704 \CT@column@color
1705 \CT@row@color
1706 \CT@cell@color
1707 \CT@do@color
1708 \endgroup
1709 \@tempdima\ht\z@
1710 \advance\@tempdima\minrowclearance
1711 \vrule\@height\@tempdima\@width\z@
1712 \unhbox\z@\ifRTL\endL\fi}%
1713 \prepnext@tok}
1714 \let\adl@act@classz\@classz
1715 \let\adl@org@classz\@classz
1716 }{}

```

7.15 bidi.sty



```

1717 \NeedsTeXFormat{LaTeX2e}
1718 \def\bididate{2016/05/03}
1719 \def\bidiversion{v19.2}
1720 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1721 Bidirectional typesetting in plain TeX and LaTeX]
1722 \edef\@bidi@info{*****~J%
1723 * ~J%
1724 * bidi package (Bidirectional typesetting in~J%
1725 * plain TeX and LaTeX, using XeTeX engine)~J%
1726 * ~J%
1727 * Description: A convenient interface for~J%
1728 * typesetting bidirectional texts in plain TeX~J%
1729 * and LaTeX. The package includes adaptations~J%
1730 * for use with many other commonly-used packages.~J%
1731 * ~J%
1732 * Copyright (c) 2009--2016 Vafa Khalighi~J%
1733 * ~J%
1734 * \bididate, \bidiversion~J%
1735 * ~J%
1736 * License: LaTeX Project Public License, version~J%
1737 * 1.3c or higher (your choice)~J%
1738 * ~J%
1739 * Location on CTAN: /macros/xetex/latex/bidi~J%
1740 * ~J%
1741 * Issue tracker: https://github.com/persian-tex/bidi/issues~J%
1742 * ~J%
1743 * Support: persian-tex@tug.org~J%
1744 *****}
1745 \typeout{\@bidi@info}
1746 \edef\bidi@everyjob{\the\everyjob}
1747 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1748 \RequirePackage{iftex}
1749 \RequireXeTeX
1750 \RequirePackage{biditools}
1751 \RequirePackage{zref-abspace}
1752 \RequirePackage{auxhook}
1753 \RequirePackage{ltxcmds}
1754 \RequirePackage{xkeyval}
1755 \eqnewif{\if@RTLmain}{\if@rlmain}
1756 \eqnewif{\if@RTL}{\if@rl}
1757 \newif\if@Latin
1758 \eqnewif{\if@RTLtab}{\if@tab@rl}
1759 \newif\if@RTLmarginpar
1760 \newif\if@LTRmarginpar
1761 \newif\if@LTRbibitems
1762 \newif\if@RTLbibitems
1763 \newif\if@extrafootnotefeatures
1764 \newif\if@parafootRTL
1765 \newif\if@RTLcolumnfootnotes
1766 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}

```




```

1767 \newif\if@bidi@list@minipage@parbox
1768 \newif\if@bidi@list@minipage@parbox@not@nob
1769 \RTLmainfalse
1770 \AtBeginDocument{%
1771   \if@RTLmain\else
1772     \if@RTL\@RTLmaintrue%
1773     \else\@RTLmainfalse%
1774     \fi%
1775   \fi%
1776 }
1777 \let\n@xt=\
1778 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1779 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1780 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1781 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1782 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1783   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1784 \input{latex-xetex-bidi.def}
1785 \input{loadingorder-xetex-bidi.def}
1786 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1787   \ifcase\bidi@tempb\relax
1788     \@RTLtrue
1789   \or
1790     \@RTLfalse
1791   \fi}
1792 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1793   \ifcase\bidi@tempb\relax
1794     \@RTLtrue
1795   \or
1796     \@RTLfalse
1797   \fi}
1798 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1799   \ifcase\bidi@tempb\relax
1800     \autofootnoterule
1801   \or
1802     \leftfootnoterule
1803   \or
1804     \rightfootnoterule
1805   \or
1806     \SplitFootnoteRule
1807   \or
1808     \textwidthfootnoterule
1809   \fi}
1810 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1811   \ifcase\bidi@tempb\relax
1812     \@RTL@footnotetrue
1813   \or
1814     \@RTL@footnotefalse
1815   \fi}
1816 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%

```



```

1817 \ifcase\bidit@tempb\relax
1818   \footdir@debugtrue
1819 \or
1820   \footdir@debugfalse
1821 \fi}
1822 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1823   \ifcase\bidit@tempb\relax
1824     \@extrafootnotefeaturestrue
1825 \or
1826     \@extrafootnotefeaturesfalse
1827 \fi}
1828
1829 \ProcessOptionsX
1830
1831 \if@extrafootnotefeatures
1832   \input{extrafootnotefeatures-xetex-bidi.def}
1833 \fi

```

7.16 bidi.tex

```

1834 \def\bididate{2015/10/16}
1835 \def\bidiversion{v0.3}
1836 \catcode`\@=11
1837 \let \protect \relax
1838 \newlinechar`\^^J
1839 \edef\@bidi@info{*****^^J%
1840 * ^^J%
1841 * bidi package (Bidirectional typesetting in^^J%
1842 * plain TeX and LaTeX, using XeTeX engine)^^J%
1843 * ^^J%
1844 * Description: A convenient interface for^^J%
1845 * typesetting bidirectional texts in plain TeX^^J%
1846 * and LaTeX. The package includes adaptations^^J%
1847 * for use with many other commonly-used packages.^^J%
1848 * ^^J%
1849 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1850 * ^^J%
1851 * \bididate, \bidiversion^^J%
1852 * ^^J%
1853 * License: LaTeX Project Public License, version^^J%
1854 * 1.3c or higher (your choice)^^J%
1855 * ^^J%
1856 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1857 * ^^J%
1858 * Issue tracker: https://github.com/persian-tex/bidi/issues^^J%
1859 * ^^J%
1860 * Support: persian-tex@tug.org^^J%
1861 *****}
1862 \message{\@bidi@info}
1863 \edef\bidi@everyjob{\the\everyjob}

```



```

1864 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1865 \input iftex.sty
1866 \RequireXeTeX
1867 \newif\if@RTLmain
1868 \newif\if@RTL
1869 \newif\if@sentedir
1870 \newif\if@RTL@footnote
1871 \@RTLmainfalse
1872 \def\setRTLmain{%
1873   \if@RTLmain\else
1874     \if@RTL\@RTLmaintrue%
1875     \else\@RTLmainfalse%
1876     \fi%
1877   \fi%
1878 }
1879 \let\n@xt=\
1880 \protected\def\LRE{\protect\pLRE}%
1881 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1882 \protected\def\RLE{\protect\pRLE}
1883 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1884 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1885   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1886 \input plain-xetex-bidi.def
1887 \catcode`\@=12

```

7.17 bidi2in1.sty

```

1888 \NeedsTeXFormat{LaTeX2e}
1889 \ProvidesPackage{bidi2in1}
1890 \pagestyle{plain}
1891 \newcount\evenpage
1892 \newcount\oddpage
1893 \twocolumn
1894 \def\@oddfoot{\evenpage=\thepage%
1895 \multiply\evenpage by 2%
1896 \oddpage=\the\evenpage%
1897 \advance\oddpage by -1%
1898 \hfil\the\evenpage\hfil\hfil\the\oddpage\hfil}%
1899 \def\@evenfoot{\evenpage=\thepage%
1900 \multiply\evenpage by 2%
1901 \oddpage=\the\evenpage%
1902 \advance\oddpage by -1%
1903 \hfil\the\oddpage\hfil\hfil\the\evenpage\hfil}%
1904 \textwidth 9.49in
1905 \textheight 6.7in
1906 \columnsep 0.9in
1907 \columnseprule 0.125pt
1908 \headheight 0cm
1909 \topmargin 0in
1910 \marginparwidth 0in

```



```

1911 \marginparsep 0in
1912 \hoffset 0.05in % Corrected
1913 \voffset -0.5in %top margin space is 1.0in by default
1914 \oddsidemargin 0in
1915 \evensidemargin 0in
1916 \headsep 0cm
1917 \topskip 0cm
1918 \parskip 0.15in      %
1919 \headsep 0pt
1920 \special{papersize=11.69in,8.26in}
1921 \renewcommand\maketitle{\par
1922 \begingroup
1923 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1924 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1925 \long\def\@makefntext##1{\parindent 1em\noindent
1926 \hb@xt@1.8em{%
1927 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1928 \@maketitle
1929 \@thanks
1930 \endgroup
1931 \setcounter{footnote}{0}%
1932 \global\let\thanks\relax
1933 \global\let\maketitle\relax
1934 \global\let\@maketitle\relax
1935 \global\let\@thanks\@empty
1936 \global\let\@author\@empty
1937 \global\let\@date\@empty
1938 \global\let\@title\@empty
1939 \global\let\title\relax
1940 \global\let\author\relax
1941 \global\let\date\relax
1942 \global\let\and\relax
1943 }

```

7.18 bidicode.sty

```

1944 \NeedsTeXFormat{LaTeX2e}
1945 \ProvidesPackage{bidicode}
1946 \RequirePackage{xcolor}
1947 \RequirePackage{showexpl}
1948 \definecolor{hellgelb}{rgb}{1,1,0.85}
1949 \definecolor{colKeys}{rgb}{0,0,1}
1950 \definecolor{colIdentifier}{rgb}{0,0,0}
1951 \definecolor{colComments}{rgb}{1,0,0}
1952 \definecolor{colString}{rgb}{0,0.5,0}
1953 \lstset{
1954     language=[LaTeX]TEX,
1955     float=hbp,
1956     basicstyle=\ttfamily\small,
1957     identifierstyle=\color{colIdentifier},

```



```

1958 keywordstyle=\color{colKeys},
1959 stringstyle=\color{colString},
1960 commentstyle=\color{colComments},
1961 columns=flexible,
1962 tabsize=4,
1963 gobble =1,
1964 extendedchars=true,
1965 showspaces=false,
1966 showstringspaces=false,
1967 numbers=left,
1968 numbersep=0.9em,
1969 numberstyle=\tiny, %
1970 frame=single,
1971 captionpos=b,
1972 xleftmargin=1em,
1973 breaklines=true,
1974 breakautoindent=false,
1975 breakindent=0pt,
1976 escapeinside=**,
1977 pos=r,
1978 explpreset={%
1979 xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1980 morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1981 }
1982 \newcommand\HLON{%
1983 \gdef\lst@alloverstyle##1{%
1984 \fboxrule=0pt
1985 \fboxsep=0pt
1986 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1987 }}
1988 \newcommand\HLOFF{%
1989 \xdef\lst@alloverstyle##1{##1}%
1990 }
1991 \newcommand\Larg [1]{{\normalfont\itshape#1/}}
1992 \newcommand\Larga[1]{{\langle$\Larg{#1}$\rangle$}}
1993 \newcommand\Largb[1]{{\lcb\Larg{#1}\rcb}}
1994 \newcommand\Largs[1]{{\lsb\Larg{#1}\rsb}}
1995 \newcommand\Lagr[1]{{\lrb\Larg{#1}\rrb}}
1996 \newcommand\LBEG[1]{{\normalfont\ttfamily\bs{}}begin\lcb#1\rcb}}
1997 \newcommand\LEND[1]{{\normalfont\ttfamily\bs{}}end\lcb#1\rcb}}
1998
1999 \DeclareRobustCommand\bs{{\normalfont\ttfamily\symbol{92}}}
2000 \DeclareRobustCommand\lcb{{\normalfont\ttfamily\char`{}}
2001 \DeclareRobustCommand\rcb{{\normalfont\ttfamily\char`}}}}
2002 \DeclareRobustCommand\lsb{{\normalfont\ttfamily[]}}
2003 \DeclareRobustCommand\rsb{{\normalfont\ttfamily[]}}
2004 \DeclareRobustCommand\lrb{{\normalfont\ttfamily()}}
2005 \DeclareRobustCommand\rrb{{\normalfont\ttfamily)}}
2006
2007 \def\Lcs#1{\nxLcs{#1}}

```



```

2008 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2009 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2010
2011 \def\Coordx#1{$x_{#1}$}
2012 \def\Coordy#1{$y_{#1}$}
2013 \def\Coordz#1{$z_{#1}$}
2014 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2015 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2016 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2017 \def\CAny{\Coordx{}}\kern 1pt\Coordy{}
2018 \def\CIIIAny{\Coordx{}}\kern 1pt\Coordy{}}\kern 1pt\Coordz{}
2019 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2020 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2021 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2022 \def\coordx#1{($x_{#1}$)}
2023 \def\coordy#1{($y_{#1}$)}
2024 \def\coordz#1{($z_{#1}$)}
2025 \def\cAny{(\Coordx{}}\kern 1pt\Coordy{}}
2026 \def\ciiiiAny{(\Coordx{}}\kern 1pt\Coordy{}}\kern 1pt\Coordz{}}
2027
2028 \newsavebox{\boxdef}
2029 \newenvironment{BDef}
2030   {\begin{lrbox}\boxdef
2031     \def\arraystretch{1.0}
2032     \begin{tabular}{@{}l@{}l@{}l@{}}
2033   }
2034   {\end{tabular}\end{lrbox}}
2035
2036   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2037   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2038 }
2039
2040 \newenvironment{BDef*}
2041   {\begin{lrbox}\boxdef
2042     \def\arraystretch{1.0}
2043     \begin{tabular}{@{}l@{}l@{}l@{}}
2044   }
2045   {\end{tabular}\end{lrbox}}
2046   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2047   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2048 }
2049 \newenvironment{BCmd}{
2050   \@beginparpenalty-\@lowpenalty
2051   \topsep\BDefaboveskip
2052   \fbboxsep3pt
2053   \flushleft}
2054   {\@endparpenalty\@M
2055   \@topsepadd\BDefbelowskip
2056   \endflushleft}
2057

```



```

2058 \newenvironment{BCmd*}{
2059   \@beginparpenalty\@M
2060   \topsep\BDefinelineskip
2061   \fbboxsep3pt
2062   \flushleft}
2063 {\@endparpenalty5000
2064  \endflushleft}
2065
2066 \newskip\BDefaboveskip
2067 \newskip\BDefbelowskip
2068 \newskip\BDefinlineskip
2069 \setlength\BDefaboveskip{10pt plus 4pt}
2070 \setlength\BDefbelowskip{6pt}
2071 \setlength\BDefinlineskip{6pt}
2072
2073 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2074 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2075 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2076 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

7.19 bidiftnxtra.sty

```

2077 \NeedsTeXFormat{LaTeX2e}
2078 \ProvidesPackage{bidiftnxtra}
2079 \newtoks\bidip@ftn
2080 \let\FN@sffootnote\footnote
2081 \let\FN@sff@LTRfootnote\LTRfootnote
2082 \let\FN@sff@RTLfootnote\RTLfootnote
2083 \def\footnote{\ifx\protect\@typeset@protect
2084   \expandafter\FN@sff@footnote
2085   \else
2086     \expandafter\FN@sff@gobble@opt
2087   \fi
2088 }
2089 \def\LTRfootnote{\ifx\protect\@typeset@protect
2090   \expandafter\FN@sff@LTRfootnote
2091   \else
2092     \expandafter\FN@sff@gobble@opt
2093   \fi
2094 }
2095 \def\RTLfootnote{\ifx\protect\@typeset@protect
2096   \expandafter\FN@sff@RTLfootnote
2097   \else
2098     \expandafter\FN@sff@gobble@opt
2099   \fi
2100 }
2101 \edef\FN@sff@gobble@opt{\noexpand\protect
2102   \expandafter\noexpand\csname FN@sff@gobble@opt \endcsname}
2103 \expandafter\def\csname FN@sff@gobble@opt \endcsname{%
2104   \@ifnextchar[%]

```



```

2105 \FN@sfgobble@twobrace
2106 \@gobble
2107 }
2108 \def\FN@sfgobble@twobrace[#1]#2{
2109 \let\FN@sfgobble@footnotemark\footnotemark
2110 \def\footnotemark{\ifx\protect\@typeset@protect
2111 \expandafter\FN@sfgobble@footnotemark
2112 \else
2113 \expandafter\FN@sfgobble@optonly
2114 \fi
2115 }
2116 \edef\FN@sfgobble@optonly{\noexpand\protect
2117 \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
2118 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
2119 \@ifnextchar[%]
2120 \FN@sfgobble@brace
2121 }%
2122 }
2123 \def\FN@sfgobble@brace[#1]{
2124 \def\@tabular{\ifRTL\global\@RTLtabtrue\fi
2125 \leavevmode \hbox \bgroup
2126 \let\@footnotetext\@bidi@p@ftntext
2127 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2128 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2129 \let\@xfootnotenext\@bidi@p@xftntext
2130 \let\@xfootnote\@bidi@p@xfootnote
2131 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2132 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2133 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2134 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2135 \ifRTLtab\beginR \fi
2136 $\let\@acol\@tabacol
2137 \let\@classz\@tabclassz
2138 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2139 \def\endtabular{\crr\egroup\ifRTLtab\egroup\endR\egroup\fi
2140 \egroup $\ifRTLtab\endR\fi\egroup
2141 \ifx\@cuptype\@undefined
2142 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi%
2143 \global\@RTLtabfalse}
2144 \long\def\@bidi@p@ftntext#1{%
2145 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2146 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2147 \long\def\@bidi@p@LTRftntext#1{%
2148 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2149 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2150 \long\def\@bidi@p@RTLftntext#1{%
2151 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2152 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2153
2154

```




```

2155 \long\def\bidip@xftntext[#1]#2{%
2156   \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
2157
2158 \long\def\bidip@xLTRftntext[#1]#2{%
2159   \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
2160
2161 \long\def\bidip@xRTLftntext[#1]#2{%
2162   \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
2163
2164
2165 \def\bidip@xfootnote[#1]{%
2166   \begingroup
2167     \csname c@\@mpfn\endcsname #1\relax
2168     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2169   \endgroup
2170   \@footnotemark\bidip@xftntext[#1]}
2171
2172
2173 \def\bidip@xLTRfootnote[#1]{%
2174   \begingroup
2175     \csname c@\@mpfn\endcsname #1\relax
2176     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2177   \endgroup
2178   \@footnotemark\bidip@xLTRftntext[#1]}
2179
2180
2181 \def\bidip@xRTLfootnote[#1]{%
2182   \begingroup
2183     \csname c@\@mpfn\endcsname #1\relax
2184     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2185   \endgroup
2186   \@footnotemark\bidip@xRTLftntext[#1]}
2187
2188 \def\@xfloat #1[#2]{%
2189   \nodocument
2190   \def \@capttype {#1}%
2191   \def \@fps {#2}%
2192   \@onelevel@sanitize \@fps
2193   \def \reserved@b {!}%
2194   \ifx \reserved@b \@fps
2195     \@fpsadddefault
2196   \else
2197     \ifx \@fps \@empty
2198       \@fpsadddefault
2199     \fi
2200   \fi
2201   \ifhmode
2202     \@bsphack
2203     \@floatpenalty -\@Mii
2204   \else

```



```

2205     \@floatpenalty-\@Miii
2206     \fi
2207     \ifinner
2208         \@parmoderr\@floatpenalty\z@
2209     \else
2210         \@next\@currbox\@freelist
2211         {%
2212             \@tempcnta \sixt@@n
2213             \expandafter \@tfor \expandafter \reserved@a
2214                 \expandafter :\expandafter =\@fps
2215             \do
2216             {%
2217                 \if \reserved@a h%
2218                     \ifodd \@tempcnta
2219                     \else
2220                         \advance \@tempcnta \@ne
2221                     \fi
2222                 \fi
2223                 \if \reserved@a t%
2224                     \@setfpsbit \tw@
2225                 \fi
2226                 \if \reserved@a b%
2227                     \@setfpsbit 4%
2228                 \fi
2229                 \if \reserved@a p%
2230                     \@setfpsbit 8%
2231                 \fi
2232                 \if \reserved@a !%
2233                     \ifnum \@tempcnta>15
2234                         \advance\@tempcnta -\sixt@@n\relax
2235                     \fi
2236                 \fi
2237             }%
2238             \@tempcntb \csname ftype@\@capytype \endcsname
2239             \multiply \@tempcntb \@xxxii
2240             \advance \@tempcnta \@tempcntb
2241             \global \count\@currbox \@tempcnta
2242         }%
2243     \@fltovf
2244     \fi
2245     \global \setbox\@currbox
2246         \color@vbox
2247         \normalcolor
2248         \vbox \bgroup
2249             \let\@footnotetext\@bidi@p@fnttext
2250             \let\@LTRfootnotetext\@bidi@p@LTRfnttext
2251             \let\@RTLfootnotetext\@bidi@p@RTLfnttext
2252             \let\@xfootnotenext\@bidi@p@xftntext
2253             \let\@xfootnote\@bidi@p@xfootnote
2254             \let\@xLTRfootnotenext\@bidi@p@xLTRfnttext

```



```

2255      \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2256      \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2257      \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2258      \hsize\columnwidth
2259      \@parboxrestore
2260      \@floatboxreset
2261 }
2262 \def \@endfloatbox{%
2263     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2264     \@minipagefalse
2265     \outer@nobreak
2266     \egroup                %% end of vbox
2267     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2268     \color@endbox
2269 }

```

7.20 bidi-longtable.sty

```

2270 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
2271 \def\longtable{\if@RTL\@RTLtabtrue\fi%
2272     \par
2273     \ifx\multicols\@undefined
2274     \else
2275         \ifnum\col@number>\@ne
2276         \@twocolumntrue
2277         \fi
2278     \fi
2279     \if@twocolumn
2280     \LT@err{longtable not in 1-column mode}\@ehc
2281     \fi
2282     \begingroup
2283     \@ifnextchar[\LT@array{\LT@array[x]}}
2284 \def\endlongtable{%
2285     \crr
2286     \noalign{%
2287         \let\LT@entry\LT@entry@chop
2288         \xdef\LT@save@row{\LT@save@row}}%
2289     \LT@echunk
2290     \LT@start
2291     \unvbox\z@
2292     \LT@get@widths
2293     \if@files
2294         {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2295             \gdef\expandafter\@noexpand
2296             \csname LT@\romannumeral\c@LT@tables\endcsname
2297             {\LT@save@row}}}%
2298     \fi
2299     \ifx\LT@save@row\LT@@save@row
2300     \else
2301         \LT@warn{Column \c@width s have changed\MessageBreak

```



```

2302         in table \thetable}%
2303     \LT@final@warn
2304 \fi
2305 \endgraf\penalty -\LT@end@pen
2306 \endgroup
2307 \global\@mparbottom\z@
2308 \pagegoal\vsizel
2309 \endgraf\penalty\z@\addvspace\LTpost
2310 \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2311 \def\LT@output{%
2312     \ifnum\outputpenalty <-\@Mi
2313     \ifnum\outputpenalty > -\LT@end@pen
2314     \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2315     \else
2316     \setbox\z@\vbox{\unvbox\@cclv}%
2317     \ifdim \ht\LT@lastfoot>\ht\LT@foot
2318     \dimen@\pagegoal
2319     \advance\dimen@-\ht\LT@lastfoot
2320     \ifdim\dimen@<\ht\z@
2321     \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2322     \makecol
2323     \outputpage
2324     \setbox\z@\vbox{\box\LT@head}%
2325     \fi
2326 \fi
2327 \global\@colroom\@colht
2328 \global\vsizel\@colht
2329 \vbox
2330 {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastf
2331 \fi
2332 \else
2333 \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RTLta
2334 \makecol
2335 \outputpage
2336 \global\vsizel\@colroom
2337 \copy\LT@head\nobreak
2338 \fi}

```

7.21 bidimoderncv.cls

```

2339 \NeedsTeXFormat{LaTeX2e}
2340 \ProvidesClass{bidimoderncv}
2341 \newif\if@DEBUG\@DEBUGfalse
2342 \DeclareOption{a4paper}{
2343     \setlength\paperheight{297mm}
2344     \setlength\paperwidth{210mm}}
2345 \DeclareOption{a5paper}{
2346     \setlength\paperheight{210mm}
2347     \setlength\paperwidth{148mm}}
2348 \DeclareOption{b5paper}{

```



```

2349 \setlength\paperheight{250mm}
2350 \setlength\paperwidth{176mm}}
2351 \DeclareOption{letterpaper}{
2352 \setlength\paperheight{11in}
2353 \setlength\paperwidth{8.5in}}
2354 \DeclareOption{legalpaper}{
2355 \setlength\paperheight{14in}
2356 \setlength\paperwidth{8.5in}}
2357 \DeclareOption{executivepaper}{
2358 \setlength\paperheight{10.5in}
2359 \setlength\paperwidth{7.25in}}
2360 \DeclareOption{landscape}{
2361 \setlength\@tempdima{\paperheight}
2362 \setlength\paperheight{\paperwidth}
2363 \setlength\paperwidth{\@tempdima}}
2364 \newcommand\@ptsizes{
2365 \DeclareOption{10pt}{\renewcommand\@ptsizes{0}}
2366 \DeclareOption{11pt}{\renewcommand\@ptsizes{1}}
2367 \DeclareOption{12pt}{\renewcommand\@ptsizes{2}}
2368 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2369 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2370 \newif\if@colour\@colourtrue
2371 \DeclareOption{nocolour}{\@colourfalse}
2372 \ExecuteOptions{a4paper,11pt,colour,final}
2373 \ProcessOptions\relax
2374 \input{size1\@ptsizes.clo}
2375 \RequirePackage{color}
2376 \RequirePackage{graphicx}
2377 \RequirePackage{ifthen}
2378 \RequirePackage{marvosym}
2379 \addtolength{\oddsidemargin}{-54pt}
2380 \addtolength{\textwidth}{109pt}
2381 \addtolength{\topmargin}{-70pt}
2382 \addtolength{\textheight}{122pt}
2383 \addtolength{\marginparsep}{-5pt}
2384 \addtolength{\marginparwidth}{-10pt}
2385 \RequirePackage{url}
2386 \RequirePackage{hyperref}
2387 \hypersetup{
2388 breaklinks,
2389 baseurl = http://,%
2390 pdfborder = 0 0 0,%
2391 pdfpagemode = UseNone,%
2392 pdfstartpage = 1}
2393 \AtEndOfClass{
2394 \AtBeginDocument{
2395 \hypersetup{
2396 pdfauthor = \@firstname~\@familyname,%
2397 pdftitle = \@title,%
2398 pdfsubject = \@firstname~\@familyname,%

```



```

2399 pdfkeywords = \@resumename-\@firstname-\@familyname}}}
2400 \urlstyle{tt}
2401 \RequirePackage{fancyhdr}
2402 \fancypagestyle{plain}{%
2403 \renewcommand{\headrulewidth}{0pt}
2404 \renewcommand{\footrulewidth}{0pt}
2405 \fancyhf{}}
2406 \pagestyle{plain}
2407 \setlength\lineskip{1\p@}
2408 \setlength\normallineskip{1\p@}
2409 \renewcommand\baselinestretch{}
2410 \setlength{\parindent}{0pt}
2411 \setlength{\parskip}{0pt}
2412 \setlength\columnsep{10\p@}
2413 \setlength\columnseprule{0\p@}
2414 \pagestyle{empty}
2415 \pagenumbering{arabic}
2416 \raggedbottom
2417 \onecolumn
2418 \providecommand*\listitemsymbol{\textbullet}
2419 \providecommand*\addresssymbol{}
2420 \providecommand*\mobilesymbol{\Mobilefone}
2421 \providecommand*\phonesymbol{\Telefon}
2422 \providecommand*\faxsymbol{\FAX}
2423 \providecommand*\emailsymbol{\Letter}
2424 \definecolor{firstnamecolour}{rgb}{0,0,0}
2425 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2426 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2427 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2428 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2429 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2430 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2431 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2432 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2433 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2434 \providecommand*\firstnamefont{}
2435 \providecommand*\familynamefont{}
2436 \providecommand*\titlefont{}
2437 \providecommand*\addressfont{}
2438 \providecommand*\quotefont{}
2439 \providecommand*\sectionfont{}
2440 \providecommand*\subsectionfont{}
2441 \providecommand*\hintfont{\small}
2442 \providecommand*\firstnamestyle[1]{\{\@firstnamefont\@firstnamecolour#1\}}
2443 \providecommand*\familynamestyle[1]{\{\@familynamefont\@familynamecolour#1\}}
2444 \providecommand*\titlestyle[1]{\{\@titlefont\@titlecolour#1\}}
2445 \providecommand*\addresstyle[1]{\{\@addressfont\@addresscolour#1\}}
2446 \providecommand*\quotestyle[1]{\{\@quotefont\@quotecolour#1\}}
2447 \providecommand*\sectionstyle[1]{\{\@sectionfont\@sectiontitlecolour#1\}}
2448 \providecommand*\subsectionstyle[1]{\{\@subsectionfont\@subsectioncolour#1\}}

```



```

2449 \providecommand*{\hintstyle}[1]{\hintfont\hintcolour#1}
2450 \newcommand*{\cvtheme}[2][\def\@cvtheme{#2}
2451 \def\@cvthemeoptions{#1}}
2452 \def\@cvthemeoptions{#1}}
2453 \cvtheme{bidi-casual}
2454 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\cvtheme}}
2455 \newcommand*{\resumename}[1]{\def\@resumename{#1}}
2456 \newcommand*{\firstname}[1]{\def\@firstname{#1}}
2457 \newcommand*{\familyname}[1]{\def\@familyname{#1}}
2458 \renewcommand*{\title}[1]{\def\@title{#1}}
2459 \newcommand*{\address}[1]{\def\@address{#1}}
2460 \newcommand*{\mobile}[1]{\def\@mobile{#1}}
2461 \newcommand*{\phone}[1]{\def\@phone{#1}}
2462 \renewcommand*{\fax}[1]{\def\@fax{#1}}
2463 \newcommand*{\email}[1]{\def\@email{#1}}
2464 \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
2465 \def\@photowidth{0pt}
2466 \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2467 \newcommand*{\quote}[1]{\def\@quote{#1}}
2468 \newlength{\quotewidth}
2469 \newlength{\hintscolumnwidth}
2470 \newlength{\separatorcolumnwidth}
2471 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2472 \newlength{\maincolumnwidth}
2473 \newlength{\doubleitemmaincolumnwidth}
2474 \newlength{\listitemsymbolwidth}
2475 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
2476 \newlength{\listitemmaincolumnwidth}
2477 \newlength{\listdoubleitemmaincolumnwidth}
2478 \newcommand*{\recomputethemelengths}{}
2479 \newcommand*{\recomputelengths}{%
2480 \setlength{\quotewidth}{0.65\textwidth}%
2481 \setlength{\maincolumnwidth}{\textwidth}%
2482 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2483 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2484 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2485 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2486 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2487 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2488 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2489 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2490 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2491 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2492 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2493 \renewcommand{\headwidth}{\textwidth}%
2494 \recomputethemelengths}
2495 \setlength{\hintscolumnwidth}{0.15\textwidth}
2496 \recomputelengths
2497 \title{}
2498 \renewcommand*{\maketitle}{}

```



```

2499 \newcommand*{\section}[1]{%
2500 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2501 \phantomsection}%
2502 \addcontentsline{toc}{part}{#1}%
2503 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}%
2504 \hspace{\separatorcolumnwidth}%
2505 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\@{1ex}}
2506 \newcommand*{\subsection}[1]{%
2507 \cvline[0.45em]{\subsectionstyle{#1}}
2508 \newcommand*{\cvline}[3][.25em]{%
2509 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}%
2510 \bidi@raggedleft\hintfont{#2} &{#3}%
2511 \end{tabular}}\@{#1}}
2512 \newcommand*{\cvdoubleitem}[4]{%
2513 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2514 \hfill%
2515 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2516 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2517 \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}
2518 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2519 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2520 \hfill%
2521 \ifthenelse{\equal{#3}{}}{
2522 }{
2523 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}
2524 \newcommand*{\cventry}[6]{%
2525 \cvline{#1}{%
2526 {\bfseries#2}%
2527 \ifx#3\else{, {\slshape#3}}\fi%
2528 \ifx#4\else{, #4}\fi%
2529 \ifx#5\else{, #5}\fi%
2530 .%
2531 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}\fi
2532 }%
2533 \newcommand*{\cvlanguage}[3]{%
2534 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}%
2535 \newcommand*{\cvcomputer}[4]{%
2536 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2537 \newcommand*{\link}[2][\%
2538 \ifthenelse{\equal{#1}{}}{
2539 {\href{#2}{#2}}%
2540 {\href{#2}{#1}}}
2541 \newcommand*{\httplink}[2][\%
2542 \ifthenelse{\equal{#1}{}}{
2543 {\href{http://#2}{#2}}%
2544 {\href{http://#2}{#1}}}
2545 \newcommand*{\emailink}[2][\%
2546 \ifthenelse{\equal{#1}{}}{
2547 {\href{mailto:#2}{#2}}%
2548 {\href{mailto:#2}{#1}}}

```




```

2549 \newif\if@displaypagenumbers\@displaypagenumberstrue
2550 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2551 \AtBeginDocument{%
2552   \if@displaypagenumbers%
2553     \ifundefined{r@lastpage}{\}%
2554     \ifthenelse{\pageref{lastpage} > 1}{%
2555       \fancypagestyle{plain}{%
2556         \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref{lastpage}}
2557         \pagestyle{plain}}}%
2558     \AtEndDocument{\label{lastpage}}%
2559   \fi}
2560 \newlength{\bibindent}
2561 \setlength{\bibindent}{1.5em}
2562 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2563 \newenvironment{thebibliography}[1]{%
2564   {%
2565     \section{\refname}%
2566     \small%
2567     \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2568     \begin{list}{\bibliographyitemlabel}%
2569       {%
2570         \setlength{\topsep}{0pt}%
2571         \setlength{\labelwidth}{\hintscolumnwidth}%
2572         \setlength{\labelsep}{\separatorcolumnwidth}%
2573         \leftmargin\labelwidth%
2574         \advance\leftmargin\labelsep%
2575         \@openbib@code%
2576         \usecounter{enumiv}%
2577         \let\p@enumiv\@empty%
2578         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2579         \sloppy\clubpenalty4000\widowpenalty4000%
2580       }%
2581     {%
2582       \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2583       \end{list}%
2584     }
2585 \newcommand\newblock{\hspace{.11em}\@plus.33em\@minus.07em}
2586 \let\@openbib@code\@empty

```

7.22 biditools.sty

```

2587 \NeedsTeXFormat{LaTeX2e}
2588 \ProvidesPackage{biditools}[2015/11/14 v0.8 Programming tools for bidi package]
2589 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2590   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2591   \ifx\@tempa\@tempb \global\let#2#1%
2592   \else
2593     \edef\@tempb{\meaning#2}%
2594     \ifx\@tempa\@tempb
2595     \else

```



```

2596     \@latex@error{Unable to properly define \string#2; primitive
2597     \noexpand#1no longer primitive}\@eha
2598     \fi
2599 \fi
2600 \endgroup}
2601 \newtoks\@bidi@envbody
2602 \newtoks\@bidi@emptytoks
2603 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2604 \def\bidi@collect@body#1{%
2605     \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2606 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2607 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2608 \begingroup
2609 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@body
2610 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2611 \bidi@process@envbody
2612 }
2613 \def\bidi@push@begins#1\begin#2{%
2614     \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2615 }
2616 \def\bidi@collect@@body#1\end#2{%
2617     \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2618     \ifx\@empty\begin@bidi@stack
2619         \endgroup
2620         \@checkend{#2}%
2621         \bidi@addto@envbody{#1}%
2622     \else
2623         \bidi@addto@envbody{#1\end{#2}}%
2624     \fi
2625     \bidi@process@envbody % A little tricky! Note the grouping
2626 }
2627 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2628 \long\def\bidi@collect@long@body#1{%
2629     \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2630 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2631 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2632 \begingroup
2633 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@body
2634 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2635 \bidi@process@envbody
2636 }
2637 \long\def\bidi@push@long@begins#1\begin#2{%
2638     \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2639 }
2640 \long\def\bidi@collect@long@@body#1\end#2{%
2641     \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@st.
2642     \ifx\@empty\begin@bidi@stack
2643         \endgroup
2644         \@checkend{#2}%
2645         \bidi@addto@long@envbody{#1}%

```



```

2646 \else
2647   \bidi@addto@long@envbody{#1\end{#2}}%
2648 \fi
2649 \bidi@process@envbody % A little tricky! Note the grouping
2650 }
2651 \long\def\bidi@new@ifnextchar#1#2#3{%
2652   \let\reserved@d= #1%
2653   \def\reserved@a{#2}\def\reserved@b{#3}%
2654   \futurelet\@let@token\bidi@new@ifnch
2655 }
2656 \def\bidi@new@ifnch{%
2657   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2658   \reserved@b
2659 }
2660 \def\bidi@matrix@check#1{%
2661   \expandafter\ifx\csname\@currenvir\endcsname#1%
2662   \else\bidi@matrix@error#1%
2663     \expandafter\@gobble
2664   \fi
2665 }
2666 \def\bidi@matrix@error#1{%
2667   \PackageError{biditools}{%
2668     Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2669   }{%
2670     '\string#1{...}' is old bidi package syntax whose use is
2671     ill-advised in the old versions of bidi package.%
2672   }%
2673 }
2674 \def\@tagsextension{clo}
2675 \def\@definitionfileextension{def}
2676 \def\@texfileextension{tex}
2677 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2678 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2679 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2680 \def\eqnewif#1#2{%
2681   \count@ \escapechar \escapechar \m@ne
2682   \let#1\iffalse
2683   \let#2\iffalse
2684   \eq@if#1#2\iftrue
2685   \eq@if#1#2\iffalse
2686   \escapechar \count@
2687 \def\eq@if#1#2#3{%
2688   \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2689     \expandafter\@gobbletwo\string#3\endcsname
2690     {\let#1#3%
2691     \let#2#3}%
2692   \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2693     \expandafter\@gobbletwo\string#3\endcsname
2694     {\let#2#3%
2695     \let#1#3}%

```



```

2696 \def\@bidi@removefromreset#1#2{%
2697   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2698   \def\@elt##1{%
2699     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2700     \else
2701       \noexpand\@elt{##1}%
2702     \fi}%
2703   \expandafter\xdef\csname cl@#2\endcsname{%
2704     \csname cl@#2\endcsname}}
2705 \newcommand*{\if@bidi@csdef}[1]{%
2706   \ifcsname#1\endcsname
2707   \expandafter\@firstoftwo
2708   \else
2709   \expandafter\@secondoftwo
2710   \fi}
2711 \newcommand*{\if@bidi@csundef}[1]{%
2712   \ifcsname#1\endcsname
2713   \expandafter\ifx\csname#1\endcsname\relax
2714     \expandafter\expandafter
2715     \expandafter\@firstoftwo
2716   \else
2717     \expandafter\expandafter
2718     \expandafter\@secondoftwo
2719   \fi
2720   \else
2721   \expandafter\@firstoftwo
2722   \fi}
2723 \newcommand{\if@bidi@def}[1]{%
2724   \ifdefined#1%
2725   \expandafter\@firstoftwo
2726   \else
2727   \expandafter\@secondoftwo
2728   \fi}
2729 \newcommand{\if@bidi@undef}[1]{%
2730   \ifdefined#1%
2731   \ifx#1\relax
2732     \expandafter\expandafter
2733     \expandafter\@firstoftwo
2734   \else
2735     \expandafter\expandafter
2736     \expandafter\@secondoftwo
2737   \fi
2738   \else
2739   \expandafter\@firstoftwo
2740   \fi}
2741 \newcommand{\if@bidi@blank}[1]{% from url.sty
2742   \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2743 \long\def\bidi@ifblank@i#1#2&#3#4#5: {#4}
2744 \newcommand{\bidi@notblank}[1]{%
2745   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}

```



```

2746 \newcommand{\if@bidi@defmacro}{%
2747 \long\edef\if@bidi@defmacro#1{%
2748 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2749 \noexpand\meaning#1\detokenize{macro}:&}
2750 \edef\bidi@ifdefmacro{%
2751 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2752 \bidi@ifdefmacro{\bidi@notblank{#2}}
2753 \newcommand*{\if@bidi@csmacro}[1]{%
2754 \if@bidi@csdef{#1}
2755 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2756 {\@secondoftwo}}
2757 \newcommand{\if@bidi@defprimitive}[1]{%
2758 \ifprimitive#1%
2759 \expandafter\@firstoftwo
2760 \else
2761 \expandafter\@secondoftwo
2762 \fi}
2763 \newcommand{\if@bidi@csprimitive}[1]{%
2764 \begingroup\expandafter\expandafter\expandafter\endgroup%
2765 \expandafter\ifprimitive\csname#1\endcsname%
2766 \expandafter\@firstoftwo
2767 \else
2768 \expandafter\@secondoftwo
2769 \fi}
2770 \newcommand*{\bidi@csdefcs}[2]{%
2771 \expandafter\@ifdefinable \csname#1\endcsname{%
2772 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2773 \newcommand*{\bidi@csletcs}[2]{%
2774 \expandafter\@ifdefinable \csname#1\endcsname{%
2775 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2776 \newcommand*{\bidi@cslet}[2]{%
2777 \expandafter\@ifdefinable \csname#1\endcsname{%
2778 \expandafter\let\csname#1\endcsname#2}}
2779 \newcommand{\bidi@namelongdef}[1]{%
2780 \long\expandafter\def\csname #1\endcsname{
2781 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2782 \def\bidi@ensure@new@command#1{%
2783 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2784 \expandafter\if@bidi@csundef\@gtempa
2785 {\new@command#1}{\relax%
2786 \let\@ifdefinable\@rc@ifdefinable%
2787 \new@command#1}}
2788 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2789
2790 \protected\def\bidi@error{\PackageError{bidi}}
2791 \protected\def\bidi@warning{\PackageWarning{bidi}}
2792 \protected\def\bidi@info{\PackageInfo{bidi}}
2793
2794 \newcommand*{\bidi@newrobustcmd}{%
2795 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}

```



```

2796
2797 \def\bidinew@command#1{\@testopt{\bidinewcommand#1}0}
2798
2799 \def\bidinewcommand#1[#2]{%
2800   \@ifnextchar[%
2801     {\bidixargdef#1[#2]}
2802     {\ifx\l@ngrel@x\relax
2803       \let\l@ngrel@x\protected
2804       \else
2805         \protected\def\l@ngrel@x{\protected\long}%
2806       \fi
2807       \@argdef#1[#2]}}
2808
2809 \long\def\bidixargdef#1[#2][#3]#4{%
2810   \@ifdefinable#1{%
2811     \expandafter\protected
2812     \expandafter\def
2813     \expandafter#1%
2814     \expandafter{%
2815       \expandafter\@testopt
2816       \csname\string#1\endcsname{#3}}}%
2817   \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
2818
2819 \bidinewrobustcmd*{\bidirenewrobustcmd}{\@star@or@long\bidirenew@command}
2820
2821 \def\bidirenew@command#1{%
2822   \if@bidi@undef{#1}
2823     {\bidi@error{\string#1 undefined}\@ehc}
2824     {}%
2825   \let\@ifdefinable\@rc@ifdefinable
2826   \bidinew@command#1}
2827
2828
2829
2830 \bidinewrobustcmd*{\bidiproviderobustcmd}{\@star@or@long\bidiprovide@command}
2831
2832 \def\bidiprovide@command#1{%
2833   \if@bidi@undef{#1}
2834     {\def\reserved@a{\bidinew@command#1}}
2835     {\def\reserved@a{\bidirenew@command\reserved@a}}%
2836   \reserved@a}
2837
2838 \newcommand*{\bidi@csuse}[1]{%
2839   \ifcsname#1\endcsname
2840     \csname#1\endcsname\expandafter\endcsname
2841     \fi}
2842
2843 \newcommand{\bidi@expandonce}[1]{%
2844   \unexpanded\expandafter{#1}}
2845

```



```

2846 \def\bidiprotected{%
2847   \let\@protect\protect
2848   \let\protect\@unexpandable@protect
2849   \afterassignment\restore@protect}
2850
2851 \bidinewrobustcmd{\bidiappto}[2]{%
2852   \if@bidi@undef{#1}
2853     {\edef#1{\unexpanded{#2}}}
2854     {\edef#1{\bidieexpandonce#1\unexpanded{#2}}}}
2855 \bidinewrobustcmd{\bidieappto}[2]{%
2856   \if@bidi@undef{#1}
2857     {\edef#1{#2}}
2858     {\edef#1{\bidieexpandonce#1#2}}}
2859 \bidinewrobustcmd{\bidigappto}[2]{%
2860   \if@bidi@undef{#1}
2861     {\xdef#1{\unexpanded{#2}}}
2862     {\xdef#1{\bidieexpandonce#1\unexpanded{#2}}}}
2863 \bidinewrobustcmd{\bidixappto}[2]{%
2864   \if@bidi@undef{#1}
2865     {\xdef#1{#2}}
2866     {\xdef#1{\bidieexpandonce#1#2}}}
2867
2868 \bidinewrobustcmd*{\bidiprotected@appto}{\bidiprotected\bidieappto}
2869 \bidinewrobustcmd*{\bidiprotected@xappto}{\bidiprotected\bidixappto}
2870
2871
2872
2873 \bidinewrobustcmd{\bidipreto}[2]{%
2874   \if@bidi@undef{#1}
2875     {\edef#1{\unexpanded{#2}}}
2876     {\edef#1{\unexpanded{#2}\bidieexpandonce#1}}}
2877 \bidinewrobustcmd{\bidiepreto}[2]{%
2878   \if@bidi@undef{#1}
2879     {\edef#1{#2}}
2880     {\edef#1{#2\bidieexpandonce#1}}}
2881 \bidinewrobustcmd{\bidigpreto}[2]{%
2882   \if@bidi@undef{#1}
2883     {\xdef#1{\unexpanded{#2}}}
2884     {\xdef#1{\unexpanded{#2}\bidieexpandonce#1}}}
2885 \bidinewrobustcmd{\bidixpreto}[2]{%
2886   \if@bidi@undef{#1}
2887     {\xdef#1{#2}}
2888     {\xdef#1{#2\bidieexpandonce#1}}}
2889
2890 \bidinewrobustcmd*{\bidiprotected@epreto}{\bidiprotected\bidiepreto}
2891 \bidinewrobustcmd*{\bidiprotected@xpreto}{\bidiprotected\bidixpreto}
2892
2893
2894
2895 \bidinewrobustcmd*{\bidicsappto}[1]{\expandafter\bidiappto\csname#1\endcsname}

```



```

2896 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2897 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2898 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2899 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2900 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2901
2902
2903
2904 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2905 \bidi@newrobustcmd*{\bidi@cssepreto}[1]{\expandafter\bidi@sepreto\csname#1\endcsname}
2906 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2907 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2908 \bidi@newrobustcmd*{\bidi@protected@cssepreto}{\bidi@protected\bidi@cssepreto}
2909 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2910
2911
2912
2913 \bidi@newrobustcmd{\if@bidi@patchable}{%
2914   \bidi@dbg@trce\if@bidi@patchable
2915   \begingroup
2916   \@makeother\#%
2917   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2918
2919 \long\def\bidi@ifpatchable#1#2{%
2920   \endgroup
2921   \bidi@dbg@init#1%
2922   \if@bidi@undef{#1}
2923     {\bidi@dbg@fail{def}\@secondoftwo}
2924     {\bidi@dbg@info{def}%
2925       \if@bidi@defmacro{#1}
2926         {\bidi@dbg@info{mac}%
2927           \bidi@ifscanable{#1}
2928             {\bidi@ifhashcheck{#2}
2929               {\bidi@dbg@info{tok}%
2930                 \bidi@ifpattern#1{#2}
2931                 {\bidi@dbg@info{pat}%
2932                   \bidi@dbg@info{pos}\@firstoftwo}
2933                   {\bidi@dbg@fail{pat}\@secondoftwo}}
2934                 {\bidi@dbg@fail{hsh}\@secondoftwo}}
2935                 {\bidi@dbg@fail{tok}\@secondoftwo}}
2936                 {\bidi@dbg@fail{mac}\@secondoftwo}}}
2937
2938 \long\def\bidi@ifpatchable@i#1{%
2939   \endgroup
2940   \bidi@dbg@init#1%
2941   \if@bidi@undef{#1}
2942     {\bidi@dbg@fail{def}\@secondoftwo}
2943     {\bidi@dbg@info{def}%
2944       \if@bidi@defmacro{#1}
2945         {\bidi@dbg@info{mac}%

```




```

2946 \if@bidi@defparam{#1}
2947   {\bidi@dbg@info{prm}%
2948     \bidi@ifscanable{#1}
2949       {\bidi@dbg@info{tok}%
2950         \bidi@dbg@info{pos}\@firstoftwo}
2951       {\bidi@dbg@fail{tok}\@secondoftwo}}
2952   {\bidi@dbg@info{prl}%
2953     \if@bidi@defprotected{#1}
2954       {\bidi@dbg@info{pro}}
2955     }%
2956     \bidi@dbg@info{pos}\@firstoftwo}}
2957   {\bidi@dbg@fail{mac}\@secondoftwo}}
2958
2959 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2960   \bidi@dbg@trce\bidi@patchcmd
2961   \begingroup
2962   \@makeother\#%
2963   \bidi@@patchcmd}
2964
2965 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2966   \bidi@ifpatchable#2{#3}
2967   {\bidi@dbg@succ{ret}%
2968     \begingroup
2969     \edef\bidi@resrvda{%
2970       \def\noexpand\bidi@resrvda#####1\detokenize{macro:}####2->####3&{%
2971         #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2972       \def\noexpand\bidi@resrvdb#####1\detokenize{#3}####2&{%
2973         #####1\detokenize{#4}####2}%
2974       \edef\noexpand\bidi@resrvda{%
2975         \noexpand\bidi@resrvda\meaning#2&}}%
2976     \bidi@resrvda
2977     \bidi@patchcmd@scantoks\bidi@resrvda
2978     \let#2\bidi@resrvda
2979     \bidi@undef\bidi@resrvda
2980     \@firstoftwo}
2981   {\@secondoftwo}}
2982
2983 \def\bidi@patchcmd@scantoks#1{%
2984   \edef\bidi@resrvda{\endgroup
2985     \unexpanded{\makeatletter\scantokens}{#1}%
2986     \catcode\number`\@=\the\catcode`\@ \relax}%
2987   \bidi@resrvda}
2988
2989 \newcommand\bidi@isloaded[2][]{
2990   \expandafter\ifx\csname if@bidi@#2loaded@endcsname\relax
2991     \expandafter\newif\csname if@bidi@#2loaded@endcsname
2992     \fi
2993     \@ifpackageloaded{#2}
2994     {\csname @bidi@#2loaded@true\endcsname #1}
2995     {\csname @bidi@#2loaded@false\endcsname}}

```



```

2996
2997 \protected\def\bid@ifscanable#1{%
2998   \begingroup
2999   \edef\bid@resrvda{%
3000     \def\noexpand\bid@resrvda####1\detokenize{macro}:####2->####3&{%
3001       ####1\def\string\bid@resrvda####2{####3}}}%
3002   \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda\meaning#1&}}%
3003   \bid@resrvda
3004   \makeatletter
3005   \scantokens\expandafter{\bid@resrvda}%
3006   \expandafter\endgroup\ifx#1\bid@resrvda
3007     \expandafter\@firstoftwo
3008   \else
3009     \expandafter\@secondoftwo
3010   \fi}
3011
3012
3013 \protected\long\def\bid@ifhashcheck#1{%
3014   \begingroup
3015   \edef\bid@resrvda{\detokenize{#1}}%
3016   \expandafter\endgroup
3017   \expandafter\bid@ifhashcheck@i\meaning\bid@resrvda&}
3018
3019 \edef\bid@ifhashcheck@i#1&{%
3020   \noexpand\expandafter
3021   \noexpand\bid@ifhashcheck@ii
3022   \noexpand\strip@prefix#1\string#\string#&}
3023
3024 \edef\bid@ifhashcheck@ii{%
3025   \def\noexpand\bid@ifhashcheck@ii##1\string#\string####2&
3026   \bid@ifhashcheck@ii{\if@bid@blank{##2}}}%
3027
3028
3029 \protected\long\def\bid@ifpattern#1#2{%
3030   \begingroup
3031   \edef\bid@resrvda{%
3032     \def\noexpand\bid@resrvda####1\detokenize{#2}####2&{%
3033       \endgroup\noexpand\noexpand\noexpand\if@bid@blank{####2}}}%
3034   \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda
3035     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3036   \noexpand\bid@resrvda}
3037   \bid@resrvda\@secondoftwo\@firstoftwo}
3038
3039
3040 \newcommand{\if@bid@defparam}{%
3041   \long\edef\if@bid@defparam#1{%
3042     \noexpand\expandafter\noexpand\bid@ifdefparam
3043     \noexpand\meaning#1\detokenize{macro}:->&}
3044   \edef\bid@ifdefparam{%
3045     \def\noexpand\bid@ifdefparam##1\detokenize{macro}:##2->##3&}

```



```

3046 \bidi@ifdefparam{\bidi@notblank{#2}}
3047
3048
3049 \newcommand{\if@bidi@defprotected}{%
3050 \long\edef\if@bidi@defprotected#1{%
3051 \noexpand\expandafter\noexpand\bidi@ifdefprotected
3052 \noexpand\meaning#1\string\protected&}
3053 \edef\bidi@ifdefprotected{%
3054 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
3055 \bidi@ifdefprotected{\bidi@notblank{#2}}
3056
3057
3058 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3059
3060 \let\bidi@dbg@trce\@gobble
3061 \let\bidi@dbg@init\@gobble
3062 \let\bidi@dbg@info\@gobble
3063 \let\bidi@dbg@succ\@gobble
3064 \let\bidi@dbg@fail\@gobble
3065
3066
3067
3068 \bidi@newrobustcmd*{\bidi@apptocmd}{%
3069 \bidi@dbg@trce\bidi@apptocmd
3070 \begingroup
3071 \@makeother\#%
3072 \bidi@hooktocmd\bidi@append}
3073
3074
3075
3076 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3077 \bidi@dbg@trce\bidi@pretocmd
3078 \begingroup
3079 \@makeother\#%
3080 \bidi@hooktocmd\bidi@prepend}
3081
3082 \long\def\bidi@hooktocmd#1#2#3{%
3083 \endgroup
3084 \bidi@dbg@init#2%
3085 \if@bidi@undef{#2}
3086 {\bidi@dbg@fail{def}\@secondoftwo}
3087 {\bidi@dbg@info{def}%
3088 \if@bidi@defmacro{#2}
3089 {\bidi@dbg@info{mac}%
3090 \if@bidi@defparam{#2}
3091 {\bidi@dbg@info{prm}%
3092 \bidi@ifscanable{#2}
3093 {\bidi@ifhashcheck{#3}
3094 {\bidi@dbg@info{tok}%
3095 \bidi@dbg@succ{ret}%

```



```

3096         \bidi@hooktocmd@i#1#2{#3}%
3097         \@firstoftwo}
3098         {\bidi@dbg@fail{hsh}\@secondoftwo}}
3099         {\bidi@dbg@fail{tok}\@secondoftwo}}
3100     {\bidi@dbg@info{prl}%
3101      \if@bidi@defprotected{#2}
3102      {\bidi@dbg@info{pro}%
3103       \bidi@dbg@succ{red}%
3104       \protected}
3105      {\bidi@dbg@succ{red}}}%
3106     \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3107     \@firstoftwo}}
3108     {\bidi@dbg@fail{mac}\@secondoftwo}}}}
3109
3110 \long\def\bidi@hooktocmd@i#1#2#3{%
3111   \begingroup
3112   \edef\bidi@resrvda{%
3113     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3114       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
3115     \edef\noexpand\bidi@resrvda{%
3116       \noexpand\bidi@resrvda\meaning#2&}}}%
3117   \bidi@resrvda
3118   \bidi@patchcmd@scantoks\bidi@resrvda
3119   \let#2\bidi@resrvda
3120   \bidi@undef\bidi@resrvda}
3121
3122 \long\def\bidi@append#1#2{#1#2}
3123 \long\def\bidi@prepend#1#2{#2#1}
3124
3125 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3126 \newcommand*{\bidi@endpreamblehook}{}
3127
3128 \bidi@preto\document{%
3129   \endgroup
3130   \let\bidi@AtEndPreamble\@firstofone
3131   \bidi@endpreamblehook
3132   \protected\def\bidi@AtEndPreamble{\@notprerr@gobble}%
3133   \bidi@undef\bidi@endpreamblehook
3134   \begingroup}
3135
3136 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3137 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3138
3139 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3140 \newcommand*{\bidi@afterendpreamblehook}{}
3141
3142 \bidi@appto\document{%
3143   \let\bidi@AfterEndPreamble\@firstofone
3144   \bidi@afterendpreamblehook
3145   \protected\def\bidi@AfterEndPreamble{\@notprerr@gobble}%

```



```

3146 \bidi@undef\bidi@afterendpreamblehook
3147 \ignorespaces}
3148
3149 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3150
3151 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterendddocumenthook}
3152 \newcommand*{\bidi@afterendddocumenthook}{\}
3153
3154 \bidi@patchcmd\enddocument
3155 {\deadcycles}
3156 {\let\bidi@AfterEndDocument\@firstofone
3157 \bidi@afterendddocumenthook
3158 \deadcycles}
3159 {}
3160 {\let\bidi@@end@@end
3161 \def@@end{%
3162 \let\bidi@AfterEndDocument\@firstofone
3163 \bidi@afterendddocumenthook
3164 \bidi@@end}}
3165
3166 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3167 \bidi@csgappto{\bidi@begin@#1@hook}}
3168
3169 \bidi@patchcmd\begin
3170 {\csname #1\endcsname}
3171 {\bidi@csuse{\bidi@begin@#1@hook}%
3172 \csname #1\endcsname}
3173 {}
3174 {\bidi@warning{%
3175 Patching '\string\begin' failed!\MessageBreak
3176 '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3177
3178
3179
3180 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3181 \bidi@csgappto{\bidi@end@#1@hook}}
3182
3183 \bidi@patchcmd\end
3184 {\csname end#1\endcsname}
3185 {\bidi@csuse{\bidi@end@#1@hook}%
3186 \csname end#1\endcsname}
3187 {}
3188 {\bidi@warning{%
3189 Patching '\string\end' failed!\MessageBreak
3190 '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3191
3192
3193
3194 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3195 \bidi@csgappto{\bidi@beforebegin@#1@hook}}

```



```

3196
3197 \bidi@pretocmd\begin
3198 {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3199 {}
3200 {\bidi@warning{%
3201     Patching '\string\begin' failed!\MessageBreak
3202     '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
3203
3204
3205
3206 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3207     \bidi@csgappto{@bidi@afterend@#1@hook}}
3208
3209 \bidi@patchcmd\end
3210 {\if@ignore}
3211 {\bidi@csuse{@bidi@afterend@#1@hook}%
3212     \if@ignore}
3213 {}
3214 {\bidi@warning{%
3215     Patching '\string\end' failed!\MessageBreak
3216     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3217
3218 \CheckCommand{\InputIfFileExists}[2]{%
3219     \IfFileExists{#1}%
3220     {#2\@addtofilelist{#1}\@input \@filef@und}}
3221
3222 \renewcommand{\InputIfFileExists}[2]{%
3223     \begingroup\expandafter\expandafter\expandafter\endgroup
3224     \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3225     \expandafter\@secondoftwo
3226     \else
3227     \bidi@replacefile@msgf{\csname #1-@bidi@alias\endcsname}{#1}%
3228     \expandafter\@firstoftwo
3229     \fi
3230     {%
3231     \expandafter\InputIfFileExists\expandafter{\csname
3232     #1-@bidi@alias\endcsname}{#2}%
3233     }%
3234     {\IfFileExists{#1}{%
3235     \bidi@load@hook{before}{#1}%
3236     #2\@addtofilelist{#1}%
3237     \@input \@filef@und
3238     \bidi@load@hook{after}{#1}%
3239     }}%
3240 }
3241
3242 \newcommand*{\bidi@loadwithoptions}{}
3243 \newcommand*{\bidi@loadwithoptions}{}
3244 \let\bidi@loadwithoptions\loadwithoptions
3245

```



```

3246 \renewcommand*{\@loadwithoptions}[3]{%
3247   \begingroup\expandafter\expandafter\expandafter\endgroup
3248   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3249     \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3250   \else
3251     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3252     \def\bidi@@loadwithoptions{%
3253       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}}%
3254     }%
3255   \fi
3256   \bidi@@loadwithoptions
3257 }
3258
3259 \newcommand*{\bidi@onefilewithoptions}{%
3260 \let\bidi@onefilewithoptions\@onefilewithoptions
3261 \def\bidi@@onefilewithoptions#1[#2][#3]#4{%
3262   \begingroup\expandafter\expandafter\expandafter\endgroup
3263   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3264     \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3265   \else
3266     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3267     \edef\bidi@@onefilewithoptions{%
3268       \noexpand\bidi@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3269   \fi
3270   \bidi@@onefilewithoptions[#{#2}][#{#3}]{#4}%
3271   \bidi@load@hook{lateafter}{#1.#4}%
3272 }
3273
3274 \newcommand*{\bidi@ReplaceInput}[2]{%
3275   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3276 }
3277
3278 \newcommand*{\bidi@UnReplaceInput}[1]{%
3279   \ifcsname #1-@bidi@alias\endcsname
3280     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3281   \fi
3282 }
3283
3284 \newcommand*{\@bidi@replacefilewithext}[3]{%
3285   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3286 }
3287 \newcommand*{\bidi@ReplacePackage}[2]{%
3288   \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3289 }
3290 \newcommand*{\bidi@ReplaceClass}[2]{%
3291   \@bidi@replacefilewithext{#1}{#2}\@clsextension
3292 }
3293 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3294   \ifcsname #1.#2-@bidi@aliasname\endcsname
3295     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax

```



```

3296 \fi
3297 }
3298 \newcommand*{\bidi@UnReplacePackage}[1]{%
3299 \bidi@unreplacefilewithext{#1}\@pkgextension
3300 }
3301 \newcommand*{\bidi@UnReplaceClass}[1]{%
3302 \bidi@unreplacefilewithext{#1}\@clsextension
3303 }
3304 \newcommand*{\bidi@replacefile@msg}[2]{%
3305 \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3306 }
3307
3308 \newcommand*{\bidi@load@hook}[2]{%
3309 \ifundefined{#2-@#1}{%
3310 \nameuse{#2-@#1}%
3311 \expandafter\let\csname #2-@#1\endcsname=\relax}}
3312 \newcommand*{\bidi@set@load@hook}[2]{%
3313 \ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{}}%
3314 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3315 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3316 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3317 \newcommand*{\bidi@BeforeClass}[1]{%
3318 \bidi@set@load@hook{before}{#1.\@clsextension}}
3319 \newcommand*{\bidi@AfterClass}{%
3320 \@ifstar {\@s@bidi@AfterClass}{%
3321 \ifnextchar +\@@bidi@AfterClass{%
3322 \ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3323 }%
3324 }%
3325 }
3326
3327 \newcommand*{\@@@bidi@AfterClass}[2]{%
3328 \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3329 \aftergroup\@s@bidi@AfterClass
3330 \else
3331 \aftergroup\bidi@AfterAtEndOfClass
3332 \fi
3333 \endgroup{#2}%
3334 }
3335
3336 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3337 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3338 \newcommand*{\@@@bidi@AfterClass}[2]{%
3339 \begingroup
3340 \expandafter\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3341 \aftergroup\@s@bidi@AfterClass
3342 \else
3343 \aftergroup\@bidi@AfterClass
3344 \fi
3345 \endgroup{#2}%

```




```

3346 }
3347
3348 \newcommand*{\@bidi@AfterClass}[1]{%
3349   \bidi@set@load@hook{after}{#1.\@clsextension}}
3350 \newcommand*{\@s@bidi@AfterClass}[1]{%
3351   \begingroup
3352     \ifclassloaded{#1}{%
3353       \aftergroup\@secondoftwo
3354     }{%
3355       \aftergroup\@bidi@AfterClass
3356     }%
3357   \endgroup
3358   {#1}%
3359 }
3360
3361
3362 \newcommand*{\bidi@BeforePackage}[1]{%
3363   \bidi@set@load@hook{before}{#1.\@pkgextension}}
3364 \newcommand*{\bidi@AfterPackage}{%
3365   \@ifstar {\@s@bidi@AfterPackage}{%
3366     \@ifnextchar +\@bidi@AfterPackage{%
3367       \@ifnextchar !\@@@bidi@AfterPackage\@bidi@AfterPackage
3368     }%
3369   }%
3370 }
3371 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3372   \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3373     \aftergroup\@s@bidi@AfterPackage
3374   \else
3375     \aftergroup\bidi@AfterAtEndOfPackage
3376   \fi
3377   \endgroup{#2}%
3378 }
3379 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
3380   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3381 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3382   \begingroup
3383     \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3384       \aftergroup\@s@bidi@AfterPackage
3385     \else
3386       \aftergroup\@bidi@AfterPackage
3387     \fi
3388   \endgroup{#2}%
3389 }
3390 \newcommand*{\@bidi@AfterPackage}[1]{%
3391   \bidi@set@load@hook{after}{#1.\@pkgextension}}
3392 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3393   \begingroup
3394     \ifpackageloaded{#1}{%
3395       \aftergroup\@secondoftwo

```



```

3396     }{%
3397         \aftergroup\@bidi@AfterPackage
3398     }%
3399 \endgroup
3400 {#1}%
3401 }
3402
3403 \newcommand*{\bidi@excludedpackages}{}
3404 \let\bidi@excludedpackages\@empty
3405 \newcommand*{\bidi@saved@RequirePackage}{}
3406 \newcommand*{\bidi@PreventPackageFromLoading}{}%
3407 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3408         {\@bidi@PreventPackageFromLoading\PackageWarning}%
3409 }
3410 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{}%
3411 \ifnextchar [%]
3412     {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1 []}%
3413 }
3414 \newcommand*{\@bidi@PreventPackageFromLoading}{}
3415
3416 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3417     \edef\reserved@a{\zap@space#3 \@empty}%
3418     \ifx \reserved@a\@empty
3419         #1{biditools}{}%
3420         \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3421         argument ignored%
3422     }%
3423 \else
3424     \ifx\bidi@excludedpackages\@empty
3425         \let\bidi@saved@RequirePackage\RequirePackage
3426         \let\RequirePackage\bidi@RequirePackage
3427         \def\reserved@a##1##{%
3428             \@latex@error
3429             {\noexpand \usepackage before \string\documentclass}%
3430             {\noexpand \usepackage may only appear in the document
3431              preamble, i.e.,\MessageBreak
3432              between \noexpand\documentclass and
3433              \string\begin{document}.}%
3434             \@gobble}%
3435         \ifx\reserved@a\usepackage\else
3436             \ifx\usepackage\bidi@saved@RequirePackage\else
3437                 \PackageWarning{biditools}{}%
3438                 Maybe serious problem: unexpected definition of\MessageBreak
3439                 \string\usepackage
3440             }%
3441             \fi
3442             \let\usepackage\RequirePackage
3443         \fi
3444     \fi
3445 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%

```



```

3446 \reserved@b\do {%
3447 \ifx\reserved@a\@empty
3448 #1{biditools}{%
3449 empty package argument for
3450 \string\bid@PreventPackageFromLoading\MessageBreak
3451 ignored%
3452 }%
3453 \else
3454 \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3455 #1{biditools}{%
3456 package `\'reserved@a' already loaded.\MessageBreak
3457 Cannot prevent it from being loaded%
3458 }%
3459 }{%
3460 \edef\bid@excludedpackages{\bid@excludedpackages,%
3461 \reserved@a}%
3462 \if\relax\detokenize{#2}\relax\else
3463 \@ifundefined{bid@exclude@package@\reserved@a @do}{%
3464 \@namedef{bid@exclude@package@\reserved@a @do}{}%
3465 }{}%
3466 \expandafter\def
3467 \csname bid@exclude@package@\reserved@a
3468 @do\expandafter\expandafter\expandafter\endcsname
3469 \expandafter\expandafter\expandafter{%
3470 \csname bid@exclude@package@\reserved@a @do\endcsname
3471 #2%
3472 }%
3473 \fi
3474 }%
3475 \fi
3476 }%
3477 \ifx\bid@excludedpackages\@empty
3478 \bid@ResetPreventPackageFromLoading
3479 \fi
3480 \fi
3481 }
3482
3483 \@onlypreamble\bid@PreventPackageFromLoading
3484 \newcommand*{\bid@ResetPreventPackageFromLoading}{%
3485 \let\bid@excludedpackages\@empty
3486 \ifx\RequirePackage\bid@RequirePackage
3487 \ifx\usepackage\RequirePackage
3488 \let\usepackage\bid@saved@RequirePackage
3489 \fi
3490 \let\RequirePackage\bid@saved@RequirePackage
3491 \fi
3492 }
3493 \@onlypreamble\bid@ResetPreventPackageFromLoading
3494 \newcommand*{\bid@StorePreventPackageFromLoading}[1]{%
3495 \let#1\bid@excludedpackages

```



```

3496 }
3497 \@onlypreamble\@bidi@StorePreventPackageFromLoading
3498 \newcommand*{\@bidi@UnPreventPackageFromLoading}{%
3499   \ifstar {\@tempswatrue\@bidi@UnPreventPackageFromLoading}%
3500           {\@tempswafalse\@bidi@UnPreventPackageFromLoading}%
3501 }
3502
3503 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
3504   \edef\reserved@a{\zap@space#1 \@empty}%
3505   \if@tempswa
3506     \for\reserved@a:=\reserved@a\do {%
3507       \ifx\reserved@a\@empty \else
3508         \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
3509           \expandafter\let
3510           \csname bidi@exclude@package@\reserved@a @do\endcsname
3511           \undefined
3512       \fi
3513     }%
3514   \fi
3515   \ifcsname bidi@excludedpackages\endcsname
3516     \let\reserved@a\bidi@excludedpackages
3517     \let\bidi@excludedpackages\@empty
3518     \expandafter\@for\expandafter\reserved@c
3519     \expandafter:\expandafter=\reserved@a
3520     \do{%
3521       \ifx\reserved@c\@empty\else
3522         \@expandtwoargs\in@{,\reserved@c,}{,\reserved@a,}%
3523         \ifin@
3524         \else
3525           \edef\bidi@excludedpackages{%
3526             \bidi@excludedpackages,\reserved@c
3527           }%
3528         \fi
3529       \fi
3530     }%
3531   \ifx\bidi@excludedpackages\@empty\bidi@ResetPreventPackageFromLoading\fi
3532   \fi
3533 }
3534
3535
3536
3537 \newcommand*{\@bidi@RequirePackage}[2][ ]{%
3538   \let\reserved@c\@empty
3539   \let\reserved@d\@empty
3540   \edef\reserved@a{\zap@space#2 \@empty}%
3541   \expandafter\@for\expandafter\reserved@a\expandafter:\expandafter=\reserved@a
3542   \do {%
3543     \begingroup
3544     \@tempswatrue
3545     \@for\reserved@a:=\bidi@excludedpackages\do {%

```



```

3546     \ifx\reserved@a\reserved@b
3547         \@tempswafalse
3548     \fi
3549 }%
3550 \if@tempswa
3551     \xdef\reserved@c{\reserved@c,\reserved@b}%
3552 \else
3553     \ifx\reserved@b\@empty\else
3554         \PackageInfo{biditools}{Excluding package `reserved@b'\MessageBreak
3555             from loading}%
3556         \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
3557             }{%
3558                 \expandafter\g@addto@macro\expandafter\reserved@d
3559                 \csname bidi@exclude@package@\reserved@b @do\endcsname
3560             }%
3561     \fi
3562 \fi
3563 \endgroup
3564 }%
3565 \ifx\reserved@c\@empty
3566     \let\reserved@a\bidi@gobbleopt
3567 \else
3568     \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
3569         \expandafter\@gobble\reserved@c\@empty}}%
3570 \fi
3571 \expandafter\reserved@d
3572 \reserved@a
3573 }
3574
3575 \newcommand{\bidi@gobbleopt}[1][{}]{%
3576 \AtEndDocument{%
3577     \let\bidi@saved@checkend=\@checkend
3578     \renewcommand*{\@checkend}[1]{%
3579         \def\reserved@a{#1}\def\reserved@b{document}%
3580         \bidi@saved@checkend{#1}%
3581         \ifx\reserved@a\reserved@b
3582             \let\bidi@saved@clearpage=\clearpage
3583             \renewcommand*{\clearpage}{\bidi@saved@clearpage
3584                 \bidi@hook@bcma
3585                 \bidi@restore@newpage
3586                 \let\clearpage=\bidi@saved@clearpage}%
3587             \fi%
3588             \let\bidi@saved@dofilelist\@dofilelist
3589             \def\@dofilelist{%
3590                 \bidi@hook@acma
3591                 \let\@dofilelist\bidi@saved@dofilelist
3592                 \bidi@saved@dofilelist
3593             }%
3594         }%
3595 }

```



```

3596
3597
3598 \newcommand*{\bidi@saved@checkend}{%
3599 \newcommand*{\bidi@saved@dofilelist}{%
3600 \newcommand*{\bidi@redefine@newpage}{%
3601   \let\bidi@saved@newpage\newpage
3602   \def\bidi@restore@newpage{%
3603     \renewcommand*{\newpage}{%
3604       \PackageWarningNoLine{%
3605         biditools%
3606       }{%
3607         \string\newpage\space at main aux file!\MessageBreak
3608         You have output material at the main aux file.\MessageBreak
3609         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3610         are processed before the output from aux file%
3611       }%
3612       \let\newpage\bidi@saved@newpage
3613       \newpage
3614     }%
3615   }%
3616   \renewcommand*{\newpage}{%
3617     \PackageError{%
3618       biditools%
3619     }{%
3620       \string\newpage\space at \string\bidi@BeforeClosingMainAux
3621     }{%
3622       You should never use \string\newpage\space or
3623       \string\clear(double)page or other output material at the\MessageBreak
3624       argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
3625       If you'll continue, the \string\newpage\space will be ignored to
3626       avoid corruption of\MessageBreak
3627       every prior use of \string\bidi@BeforeClosingMainAux.
3628     }%
3629   }%
3630 }
3631
3632 \newcommand*{\bidi@restore@newpage}{%
3633 \newcommand*{\bidi@hook@bcma}{%
3634 \newcommand*{\bidi@hook@acma}{%
3635 \newcommand*{\bidi@BeforeClosingMainAux}{%
3636   \ifx\bidi@hook@bcma\@empty
3637     \gdef\bidi@hook@bcma{%
3638       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{####1}%
3639       \let\protected@write\bidi@protected@immediate@write
3640       \bidi@redefine@newpage
3641     }%
3642   \fi
3643   \g@addto@macro\bidi@hook@bcma%
3644 }
3645

```



```

3646 \newcommand*{\bidi@AfterReadingMainAux}{%
3647   \ifx\bidi@hook@acma\@empty
3648     \gdef\bidi@hook@acma{%
3649       \renewcommand*{\bidi@AfterReadingMainAux}[1]{###1}%
3650       \let\protected@write\bidi@protected@immediate@write
3651     }%
3652   \fi
3653   \g@addto@macro\bidi@hook@acma%
3654 }
3655
3656 \long\def\bidi@protected@immediate@write#1#2#3{%
3657   \begingroup
3658     #2%
3659     \let\protect\@unexpandable@protect
3660     \edef\reserved@a{\immediate\write#1{#3}}%
3661     \reserved@a
3662   \endgroup
3663   \if@nobreak\ifvmode\nobreak\fi\fi
3664 }
3665
3666 \def\bidi@patch@counter{0}%
3667 \if\bidi@csundef{numexpr}{%
3668   \def\bidi@patch@stepcounter{%
3669     \begingroup
3670       \count@\bidi@patch@counter\relax
3671       \advance\count@\@ne\relax
3672     \edef\x{\endgroup
3673       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
3674     }%
3675     \x
3676   }%
3677 }{%
3678   \def\bidi@patch@stepcounter{%
3679     \edef\bidi@patch@counter{%
3680       \the\numexpr\bidi@patch@counter+\@ne\relax
3681     }%
3682   }%
3683 }
3684 \def\bidi@patch@list{}
3685 \def\bidi@patch@Add{%
3686   \bidi@appto\bidi@patch@list
3687 }
3688 \def\bidi@patch@AfterPackage#1{%
3689   \@ifpackageloaded{#1}{%
3690     \@firstofone
3691   }{%
3692     \bidi@patch@AfterPackage{#1}%
3693   }%
3694 }
3695 \def\bidi@patch@AfterPackage#1{%

```



```

3696 \edef\bidipatch@temp{#1}%
3697 \bidipatch@stepcounter
3698 \expandafter\bidipatch@@AfterPackage
3699 \csname bidipatch@\bidipatch@counter\expandafter\endcsname{%
3700   \bidipatch@temp
3701 }%
3702 }
3703 \def\bidipatch@@AfterPackage#1#2#3{%
3704   \begingroup
3705     \toks@{#3}%
3706     \xdef\bidipatch@gtemp{%
3707       \noexpand\@ifpackageloaded{#2}{%
3708         \noexpand\let\noexpand#1\noexpand\relax
3709         \the\toks@
3710       }{}%
3711     }%
3712   \endgroup
3713   \let#1\bidipatch@gtemp
3714   \bidipatch@Add#1%
3715   \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
3716 }
3717
3718 \def\bidipatch@try#1#2#3{%
3719   \if@bidi@cundefined{#1}{}{%
3720     \csname #1\endcsname{#2}{#3}%
3721   }%
3722 }
3723
3724 \AtBeginDocument{\bidipatch@list}
3725
3726 \bidipatch@AtEndPreamble{\bidipatch@list}%
3727
3728 \bidipatch@AfterEndPreamble{%
3729   \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
3730   \let\bidipatch@OrgIfPackageLater\@ifpackagelater
3731   \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
3732   \let\bidipatch@OrgIfClassLater\@ifclasslater
3733   \bidipatch@list
3734   \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded
3735   \let\@ifpackagelater\bidipatch@OrgIfPackageLater
3736   \let\@ifclassloaded\bidipatch@OrgIfClassLoaded
3737   \let\@ifclasslater\bidipatch@OrgIfClassLater
3738 }%

```

7.23 biduntfloat.sty

```

3739 \NeedsTeXFormat{LaTeX2e}
3740 \ProvidesPackage{biduntfloat}[2011/06/14 v0.1
3741 bidi implementation of tufte float]
3742 \RequirePackage{xifthen}

```




```

3743 \newcommand{\@biditytfloat@pkgname}{biditytfloat}
3744 \newcommand{\biditytfloatError}[2]{\PackageError{\@biditytfloat@pkgname}{#1}{#2}}
3745 \newcommand{\biditytfloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@biditytfloat@debug}}{\bidi
3746 \newcommand{\biditytfloatInfoNL}[1]{\PackageInfo{\@biditytfloat@pkgname}{#1@gobble}}
3747 \newboolean{\@biditytfloat@RTLgeometry}
3748 \setboolean{\@biditytfloat@RTLgeometry}{true}
3749 \DeclareOption{RTLgeometry}{\setboolean{\@biditytfloat@RTLgeometry}{true}}
3750 \DeclareOption{LTRgeometry}{\setboolean{\@biditytfloat@RTLgeometry}{false}}
3751 \newboolean{\@biditytfloat@a4paper}
3752 \DeclareOption{a4paper}{\setboolean{\@biditytfloat@a4paper}{true}}
3753 \newboolean{\@biditytfloat@b5paper}
3754 \DeclareOption{b5paper}{\setboolean{\@biditytfloat@b5paper}{true}}
3755 \newboolean{\@biditytfloat@symmetric}
3756 \newboolean{\@biditytfloat@twoside}
3757 \DeclareOption{twoside}{%
3758 \@twosidetrue \@mparswitchtrue%
3759 \setboolean{\@biditytfloat@twoside}{true}%
3760 \setboolean{\@biditytfloat@symmetric}{true}%
3761 }
3762 \DeclareOption{oneside}{%
3763 \@twosidefalse \@mparswitchfalse%
3764 \setboolean{\@biditytfloat@twoside}{false}%
3765 \setboolean{\@biditytfloat@symmetric}{false}%
3766 }
3767 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3768 \newboolean{\@biditytfloat@debug}
3769 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodetect
3770 \ProcessOptions
3771 %% Globally sets the length
3772 \newcommand*{\gsetlength}[2]{%
3773 \setlength{#1}{#2}%
3774 \global#1=#1\relax%
3775 }
3776 %% Globally sets a boolean
3777 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
3778 \lowercase{\def\@tempa{#2}}%
3779 \@ifundefined{\@tempa}{\@tempa}%
3780 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}{\@ehc}%
3781 {\@ifundefined{#1\@tempa}%
3782 {\PackageError{ifthen}{Boolean #1 undefined}{\@ehc}%
3783 {\global\csname#1\@tempa\endcsname}%
3784 }%
3785 }
3786 %% Set the font sizes and baselines to match biditytfloat's books
3787 \renewcommand\normalsize{%
3788 \setfontsize\normalsize\@xpt{14}%
3789 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3790 \abovedisplayshortskip \z@ \@plus3\p@
3791 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3792 \belowdisplayskip \abovedisplayskip

```



```

3793 \let\@listi\@listI}
3794 \normalbaselineskip=14pt
3795 \normalsize
3796 \renewcommand\footnotesize{%
3797 \setfontsize\footnotesize\viipt{10}%
3798 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3799 \abovedisplayshortskip \z@ \@plus\p@
3800 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
3801 \def\@listi{\leftmargin\leftmargini
3802 \topsep 3\p@ \@plus\p@ \@minus\p@
3803 \parsep 2\p@ \@plus\p@ \@minus\p@
3804 \itemsep \parsep}%
3805 \belowdisplayskip \abovedisplayskip
3806 }
3807 %% Paragraph indentation and separation for marginal text
3808 \newcommand{\@bidiutefloat@margin@par}{%
3809 \setlength{\RaggedRightParindent}{0.5pc}%
3810 \setlength{\JustifyingParindent}{0.5pc}%
3811 \setlength{\parindent}{0.5pc}%
3812 \setlength{\parskip}{0pt}%
3813 }
3814 \RequirePackage{ragged2e}
3815 \ifthenelse{\boolean{@bidiutefloat@RTLgeometry}}{%
3816 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=
3817 \ifthenelse{\boolean{@bidiutefloat@afourpaper}}
3818 {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=
3819 {}
3820 \ifthenelse{\boolean{@bidiutefloat@bfivepaper}}
3821 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,m
3822 {}}%
3823 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=
3824 \ifthenelse{\boolean{@bidiutefloat@afourpaper}}
3825 {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=
3826 {}
3827 \ifthenelse{\boolean{@bidiutefloat@bfivepaper}}
3828 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,ma
3829 {}
3830 \ifthenelse{\boolean{@bidiutefloat@symmetric}}
3831 {}
3832 {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
3833 \setlength\marginparpush{10pt}
3834 %% Font for margin items
3835 \newcommand{\@bidiutefloat@marginfont}{\normalfont\footnotesize}
3836 \newcommand*{\@bidiutefloat@caption@font}{\@bidiutefloat@marginfont}
3837 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidiutefloat@caption@font}{#1}}
3838 \newcommand{\@bidiutefloat@justification}{\justifying}%
3839 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3840 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3841 \newboolean{@bidiutefloat@changepage}
3842 \IfFileExists{changepage.sty}{%

```



```

3843 \biditytfloatDebugInfoNL{Found changepage.sty}
3844 \RequirePackage[strict]{changepage}
3845 \setboolean{@biditytfloat@changepage}{true}
3846 }{%
3847 \biditytfloatDebugInfoNL{Found chngpage.sty}
3848 \RequirePackage[strict]{chngpage}
3849 \setboolean{@biditytfloat@changepage}{false}
3850 }
3851 \newboolean{@biditytfloat@odd@page}
3852 \setboolean{@biditytfloat@odd@page}{true}
3853 \newcommand*{\@biditytfloat@checkoddpag}{%
3854 \checkoddpag%
3855 \ifthenelse{\boolean{@biditytfloat@changepage}}{%
3856 \ifoddpag%
3857 \setboolean{@biditytfloat@odd@page}{true}%
3858 \else%
3859 \setboolean{@biditytfloat@odd@page}{false}%
3860 \fi%
3861 }{%
3862 \ifcpoddpag%
3863 \setboolean{@biditytfloat@odd@page}{true}%
3864 \else%
3865 \setboolean{@biditytfloat@odd@page}{false}%
3866 \fi%
3867 }%
3868 }
3869 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running heads
3870 \newlength{\@biditytfloat@fullwidth}
3871 \newlength{\@biditytfloat@caption@fill}
3872 \newcommand{\@biditytfloatRecalculate}{%
3873 \setlength{\@biditytfloat@overhang}{\marginparwidth}
3874 \addtolength{\@biditytfloat@overhang}{\marginparsep}
3875
3876 \setlength{\@biditytfloat@fullwidth}{\textwidth}
3877 \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
3878 \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
3879
3880 \setlength{\@biditytfloat@caption@fill}{\textwidth}
3881 \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
3882 }
3883 \AtBeginDocument{\@biditytfloatRecalculate}
3884 \RequirePackage{optparams}% provides multiple optional arguments for commands
3885 \RequirePackage{placeins}
3886 \newsavebox{\@biditytfloat@margin@floatbox}
3887 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
3888 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3889 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
3890 \begin{minipage}{\marginparwidth}%
3891 \@biditytfloat@caption@font%
3892 \def\@captype{#2}%

```



```

3893 \hbox{\vspace*{#1}%
3894 \@bidiutfefloat@caption@justification%
3895 \@bidiutfefloat@margin@par%
3896 \noindent%
3897 }
3898 {\end{minipage}%
3899 \end{lrbox}%
3900 \marginpar{\usebox{\@bidiutfefloat@margin@floatbox}}%
3901 }
3902 \newenvironment{marginfigure}[1][-1.2ex]%
3903 {\begin{\@bidiutfefloat@margin@float}[#1]{figure}}
3904 {\end{\@bidiutfefloat@margin@float}}
3905 \newenvironment{margintable}[1][-1.2ex]%
3906 {\begin{\@bidiutfefloat@margin@float}[#1]{table}}
3907 {\end{\@bidiutfefloat@margin@float}}
3908 \newcommand*{\@bidiutfefloat@justification@autodetect}{\justifying}%
3909
3910 \newcommand{\@bidiutfefloat@float@debug@info}{}% contains debug info generated as the float is
3911 \newcommand{\@bidiutfefloat@float@debug}[1]{% adds debug info to the queue for output
3912 \ifthenelse{\equal{\@bidiutfefloat@float@debug@info}{}%
3913 {\def\@bidiutfefloat@float@debug@info{#1}}%
3914 {\g@addto@macro\@bidiutfefloat@float@debug@info{\MessageBreak#1}}%
3915 }
3916 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3917 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidiutfefloat@float@debug
3918 \newboolean{\@bidiutfefloat@float@recto}
3919 \newcommand{\forcerectofloat}{\gsetboolean{\@bidiutfefloat@float@recto}{true}\@bidiutfefloat
3920 \newcommand{\forceversofloat}{\gsetboolean{\@bidiutfefloat@float@recto}{false}\@bidiutfefloat
3921 \newsavebox{\@bidiutfefloat@figure@box}
3922 \newsavebox{\@bidiutfefloat@caption@box}
3923 \let\@bidiutfefloat@orig@float\@float
3924 \let\@bidiutfefloat@orig@endfloat\end@float
3925 \newlength{\@bidiutfefloat@caption@vertical@offset}
3926 \setlength{\@bidiutfefloat@caption@vertical@offset}{0pt}
3927 \newcommand{\@bidiutfefloat@stored@shortcaption}{}
3928 \newcommand{\@bidiutfefloat@stored@caption}{}
3929 \newcommand{\@bidiutfefloat@stored@label}{}
3930 \long\def\@bidiutfefloat@caption[#1][#2]#3{%
3931 \ifthenelse{\isempty{#1}}%
3932 {\gdef\@bidiutfefloat@stored@shortcaption{#3}}%
3933 {\gdef\@bidiutfefloat@stored@shortcaption{#1}}%
3934 \gsetlength{\@bidiutfefloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3935 \gdef\@bidiutfefloat@stored@caption{#3}%
3936 }
3937 \newcommand{\@bidiutfefloat@label}[1]{%
3938 \gdef\@bidiutfefloat@stored@label{#1}%
3939 }
3940 \newcommand{\@bidiutfefloat@fps}{}
3941 \newboolean{\@bidiutfefloat@float@star}
3942 \newlength{\@bidiutfefloat@float@contents@width}

```



```

3943 \newenvironment{@biditytfloat@float}[3][htbp]%
3944 {% begin @biditytfloat@float
3945   % Should this float be full-width or just text-width?
3946   \ifthenelse{\equal{#3}{star}}{%
3947     {\gsetboolean{@biditytfloat@float@star}{true}}%
3948     {\gsetboolean{@biditytfloat@float@star}{false}}%
3949   % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3950   \@biditytfloat@checkoddpag%
3951   \ifthenelse{\boolean{@biditytfloat@odd@page}}%
3952     {\gsetboolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Detected page
3953     {\gsetboolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Detected pag
3954   % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3955   \renewcommand{\@biditytfloat@fps}{#1}%
3956   \@biditytfloat@float@debug{Allowed positions: [#1]}%
3957   \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
3958     {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bottom]
3959     {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top]}}%
3960   % Capture the contents of the \caption and \label commands to use later
3961   \global\let\@biditytfloat@orig@caption\caption%
3962   \global\let\@biditytfloat@orig@label\label%
3963   \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[[]][Opt]}}%
3964   \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
3965   % Handle subfigure package compatibility
3966   \ifthenelse{\boolean{@biditytfloat@packages@subfigure}}{%
3967     % don't move the label while inside a \subfigure or \subtable command
3968     \global\let\label\@biditytfloat@orig@label%
3969   }{% subfigure package is not loaded
3970     \@biditytfloat@orig@float{#2}[#1]%
3971     \ifthenelse{\boolean{@biditytfloat@float@star}}%
3972     {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
3973     {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
3974     \begin{lrbox}{\@biditytfloat@figure@box}%
3975     \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
3976   }{% end @biditytfloat@float
3977     \par\hbox{\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{% align
3978     \end{minipage}%
3979     \end{lrbox}%
3980     % build the caption box
3981     \begin{lrbox}{\@biditytfloat@caption@box}%
3982     \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
3983     \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@caption
3984     \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label{\@b
3985     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
3986     \end{minipage}%
3987     \end{lrbox}%
3988     % now typeset the stored boxes
3989     \begin{fullwidth}%
3990     \begin{minipage}[\floatalignment]{\linewidth}%
3991     \ifthenelse{\boolean{@biditytfloat@float@star}}%
3992     {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@biditytfloat

```



```

3993     {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@biditytfloat@
3994     \end{minipage}%
3995     \end{fullwidth}%
3996     \@biditytfloat@orig@endfloat% end original LaTeX float environment
3997     % output debug info
3998     \ifthenelse{\boolean{@biditytfloat@debug}}{%
3999     \typeout{^^J^^J----- biditytfloat package float information -----}%
4000     \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
4001     {\typeout{Warning: Float unlabeled!}}%
4002     {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4003     \typeout{Page number: [\thepage]}%
4004     \def\MessageBreak{^^J}%
4005     \typeout{\@biditytfloat@float@debug@info}%
4006     \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4007     {\typeout{Symmetric: [true]}}%
4008     {\typeout{Symmetric: [false]}}%
4009     \typeout{-----^^J^^J}%
4010     }{}%
4011     % reset commands and temp boxes and captions
4012     \gdef\@biditytfloat@float@debug@info{}%
4013     \let\caption\@biditytfloat@orig@caption%
4014     \let\label\@biditytfloat@orig@label%
4015     \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4016     \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4017     \gdef\@biditytfloat@stored@shortcaption{}%
4018     \gdef\@biditytfloat@stored@caption{}%
4019     \gdef\@biditytfloat@stored@label{}%
4020     \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4021     }
4022     \newcommand{\@biditytfloat@float@textwidth}[3][0pt]{%
4023     \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}%
4024     % asymmetric or page is odd, so caption is on the right
4025     \hbox{%
4026     \usebox{#2}%
4027     \hspace{\marginparsep}%
4028     \smash{\raisebox{#1}{\usebox{#3}}}%
4029     }
4030     \@biditytfloat@float@debug{Caption position: [right]}%
4031     }{% symmetric pages and page is even, so caption is on the left
4032     \hbox{%
4033     \smash{\raisebox{#1}{\usebox{#3}}}%
4034     \hspace{\marginparsep}%
4035     \usebox{#2}%
4036     }
4037     \@biditytfloat@float@debug{Caption position: [left]}%
4038     }%
4039     }
4040     \newcommand{\@biditytfloat@float@fullwidth}[3][0pt]{%
4041     \ifthenelse{\equal{\floatalignment}{b}}%
4042     {% place caption above figure

```



```

4043 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@rect}
4044 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{Cap
4045 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{Cap
4046 }{\% place caption below figure
4047 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@rect}
4048 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{Cap
4049 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{Cap
4050 }%
4051 }
4052 \renewenvironment{figure}[1][htbp]%
4053 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4054 {\end{@biditytfloat@float}}
4055 \renewenvironment{table}[1][htbp]
4056 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4057 {\end{@biditytfloat@float}}
4058 \renewenvironment{figure*}[1][htbp]%
4059 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4060 {\end{@biditytfloat@float}}
4061 \renewenvironment{table*}[1][htbp]%
4062 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4063 {\end{@biditytfloat@float}}
4064 \newenvironment{fullwidth}
4065 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4066 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@
4067 {\begin{adjustwidth}{-}\@biditytfloat@overhang}}%
4068 }%
4069 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4070 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4071 {\end{adjustwidth}}}%
4072 }
4073 \long\def\@caption#1[#2]#3{%
4074 \par%
4075 \addcontentsline{\csname ext@#1\endcsname}{#1}%
4076 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4077 \begingroup%
4078 \@parboxrestore%
4079 \if@minipage%
4080 \@setminipage%
4081 \fi%
4082 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4083 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4084 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4085 \endgroup}
4086 %%
4087 % Turns newlines into spaces. Based on code from the `titlesec' package.
4088 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
4089 \@ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
4090 }
4091 \def\@biditytfloat@newlinetospace@i{%
4092 \ifdim\lastskip>\z@ \else\space\fi

```




```

4093 \ignorespaces%
4094 }
4095 \DeclareRobustCommand{\newlinetospace}[1]{%
4096 \let\@bidityfteheading@orig@cr\\% save the original meaning of \\
4097 \def\\{\@bidityfteheading@newlinetospace}% turn \\ and \\* into \space
4098 \let\newline\\% turn \newline into \space
4099 #1%
4100 \let\\\@bidityfteheading@orig@cr% revert to original meaning of \\
4101 }
4102 \RequirePackage{fancyhdr}
4103 \pagestyle{fancy}
4104 \AtBeginDocument{%
4105 \ifthenelse{\boolean{@bidityftefloat@symmetric}}
4106   {\fancyhfoffset[LE,RO]{\@bidityftefloat@overhang}}
4107   {\fancyhfoffset[RE,RO]{\@bidityftefloat@overhang}}
4108 }
4109 % The running heads/feet don't have rules
4110 \renewcommand{\headrulewidth}{0pt}
4111 \renewcommand{\footrulewidth}{0pt}
4112 % The 'fancy' page style is the default style for all pages.
4113 \fancyhf{} % clear header and footer fields
4114 \ifthenelse{\boolean{@bidityftefloat@symmetric}}
4115   {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4116   \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4117   {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4118 % The 'plain' page style is used on chapter opening pages.
4119 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4120 % bottom of pages -- the folios are unexpressed.
4121 \fancypagestyle{plain}{
4122 \fancyhf{} % clear header and footer fields
4123 % Uncomment the following five lines of code if you want the opening page
4124 % of the chapter to express the folio in the lower outside corner.
4125 % \ifthenelse{\boolean{@bidityftefloat@symmetric}}
4126 %   {\fancyfoot[LE,RO]{\thepage}}
4127 %   {\fancyfoot[RE,RO]{\thepage}}
4128 }
4129 % The 'empty' page style suppresses all headers and footers.
4130 % It's used on title pages and 'intentionally blank' pages.
4131 \fancypagestyle{empty}{
4132 \fancyhf{} % clear header and footer fields
4133 }
4134 \def\morefloats{% provides a total of 52 floats
4135 \ifthenelse{\isundefined{\bx@S}}{%
4136 \bidityftefloatDebugInfoNL{Adding 34 more float slots.}
4137 \newinsert\bx@S
4138 \newinsert\bx@T
4139 \newinsert\bx@U
4140 \newinsert\bx@V
4141 \newinsert\bx@W
4142 \newinsert\bx@X

```




```

4143 \newinsert\bx@Y
4144 \newinsert\bx@Z
4145 \newinsert\bx@a
4146 \newinsert\bx@b
4147 \newinsert\bx@c
4148 \newinsert\bx@d
4149 \newinsert\bx@e
4150 \newinsert\bx@f
4151 \newinsert\bx@g
4152 \newinsert\bx@h
4153 \newinsert\bx@i
4154 \newinsert\bx@j
4155 \newinsert\bx@k
4156 \newinsert\bx@l
4157 \newinsert\bx@m
4158 \newinsert\bx@n
4159 \newinsert\bx@o
4160 \newinsert\bx@p
4161 \newinsert\bx@q
4162 \newinsert\bx@r
4163 \newinsert\bx@s
4164 \newinsert\bx@t
4165 \newinsert\bx@u
4166 \newinsert\bx@v
4167 \newinsert\bx@w
4168 \newinsert\bx@x
4169 \newinsert\bx@y
4170 \newinsert\bx@z
4171 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4172 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4173 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4174 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4175 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4176 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4177 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4178 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4179 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4180 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4181 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4182 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4183 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4184 \ifthenelse{\isundefined{\bx@AA}}{%
4185 \biditytfloatDebugInfoNL{Adding 26 more float slots.}
4186 \newinsert\bx@AA
4187 \newinsert\bx@BB
4188 \newinsert\bx@CC
4189 \newinsert\bx@DD
4190 \newinsert\bx@EE
4191 \newinsert\bx@FF
4192 \newinsert\bx@GG

```



```

4193 \newinsert\bx@HH
4194 \newinsert\bx@II
4195 \newinsert\bx@JJ
4196 \newinsert\bx@KK
4197 \newinsert\bx@LL
4198 \newinsert\bx@MM
4199 \newinsert\bx@NN
4200 \newinsert\bx@OO
4201 \newinsert\bx@PP
4202 \newinsert\bx@QQ
4203 \newinsert\bx@RR
4204 \newinsert\bx@SS
4205 \newinsert\bx@TT
4206 \newinsert\bx@UU
4207 \newinsert\bx@VV
4208 \newinsert\bx@WW
4209 \newinsert\bx@XX
4210 \newinsert\bx@YY
4211 \newinsert\bx@ZZ
4212 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4213 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4214 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4215 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4216 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4217 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4218 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4219 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4220 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4221 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4222 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4223 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4224 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4225 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4226 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4227 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4228 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4229 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4230 }{%
4231 \bidiutfefloatError{You may only call \string\morefloats\space twice. See the\MessageBreak
4232 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\MessageBreak
4233 }%
4234 }%
4235 }
4236 \newboolean{@bidiutfefloat@packages@subfigure}
4237 \setboolean{@bidiutfefloat@packages@subfigure}{false}
4238 \AtBeginDocument{%
4239 \ifpackageloaded{subfigure}
4240 {\gsetboolean{@bidiutfefloat@packages@subfigure}{true}}
4241 {\gsetboolean{@bidiutfefloat@packages@subfigure}{false}}%
4242 }

```



```

4243 \AtBeginDocument{%
4244   \ifpackageloaded{float}{%
4245     % Save the redefined float environment (instead of the LaTeX float environment)
4246     \let\@bidiutftefloat@orig@float\@float
4247     \let\@bidiutftefloat@orig@endfloat\endfloat
4248
4249     % Define Tuftian float styles (with the caption in the margin)
4250     \newcommand{\floatc@bidiutftefloatplain}[2]{%
4251       \begin{lrbox}{\@bidiutftefloat@caption@box}%
4252         \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4253           \bidiutftefloat@caption@font{\@fs@cfont #1:} #2\par%
4254         }\end{minipage}%
4255       \end{lrbox}%
4256       \smash{\hspace{\@bidiutftefloat@caption@fill}\usebox{\@bidiutftefloat@caption@box}}%
4257     }
4258     \newcommand{\fs@bidiutftefloatplain}{%
4259       \def\@fs@cfont{\@bidiutftefloat@caption@font}%
4260       \let\@fs@capt\floatc@bidiutftefloatplain%
4261       \def\@fs@pre{%
4262         \def\@fs@post{%
4263           \def\@fs@mid{%
4264             \let\@fs@iftopcapt\iftrue%
4265           }
4266           \let\fs@bidiutftefloatplaintop=\fs@bidiutftefloatplain
4267           \let\floatc@bidiutftefloatplaintop=\floatc@bidiutftefloatplain
4268           \newcommand\floatc@bidiutftefloatruled[2]{%
4269             {\@fs@cfont #1} #2\par%
4270           }
4271           \newcommand\fs@bidiutftefloatruled{%
4272             \def\@fs@cfont{\@bidiutftefloat@caption@font}%
4273             \let\@fs@capt\floatc@bidiutftefloatplain%
4274             \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4275             \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4276             \def\@fs@mid{%
4277               \let\@fs@iftopcapt\iftrue%
4278             }
4279             \newcommand\fs@bidiutftefloatboxed{%
4280               \def\@fs@cfont{%
4281                 \let\@fs@capt\floatc@bidiutftefloatplain%
4282                 \def\@fs@pre{%
4283                   \setbox\@currbox\vbox{\hbadness10000
4284                     \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4285                       \hrule \hbox to\hsize{\vrule\kern3pt
4286                         \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4287                 }%
4288                 \def\@fs@mid{\kern2pt}%
4289                 \def\@fs@post{%
4290                   \let\@fs@iftopcapt\iftrue%
4291                 }
4292               }%

```



```

4293 % Nothing to do
4294 }
4295 }
4296 \AtBeginDocument{%
4297   \@ifpackageloaded{algorithm}{%
4298     % Set the float style to the TufTian version
4299     \ifthenelse{\equal{\ALG@floatstyle}{plain}}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{list}
4300     \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to bittuftefloat}%
4301     \floatstyle{bidituftefloat\ALG@floatstyle}%
4302     \restylefloat{algorithm}%
4303   }{}%
4304 }{%
4305   % Nothing to do
4306 }
4307 }
4308 \PassOptionsToPackage{caption=false}{subfig}

```

```

4309 \NeedsTeXFormat{LaTeX2e}
4310 \ProvidesPackage{bidiuftesidenote}[2015/04/30 v0.3
4311 bidi implementation of tufte sidenote]
4312 \RequirePackage{xifthen}
4313 \RequirePackage{ragged2e}
4314 \RequirePackage{setspace}
4315 \RequirePackage{biditytools}
4316 \def\bidityuftesidenotemarginpar{%
4317   \ifhmode
4318     \@bsphack
4319     \@floatpenalty -\@Mii
4320   \else
4321     \@floatpenalty-\@Miii
4322   \fi
4323   \ifinner
4324     \@parmoderr
4325     \@floatpenalty\z@
4326   \else
4327     \@next\@currbox\@freelist{}{}%
4328     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4329     {\@floatpenalty\z@
4330      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4331   \fi
4332   \@ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteympar}
4333 \long\def\@bidityftesidenotexmpar[#1]#2{%
4334   \@bidityftesidenotesavemarbox\@marbox{#1}%
4335   \@bidityftesidenotesavemarbox\@currbox{#2}%
4336   \@xympar}
4337 \long\def\@bidityftesidenoteympar#1{%
4338   \@bidityftesidenotesavemarbox\@marbox{#1}%
4339   \global\setbox\@currbox\copy\@marbox

```

```

4340 \xympar}
4341 \long\def \@bidityftesidenotesavemarbox #1#2{%
4342 \global\setbox #1%
4343 \color@vbox
4344 \vtop{%
4345 \hsize\marginparwidth
4346 \@parboxrestore
4347 \@bidityftesidenotemarginparreset
4348 #2%
4349 \@minipagefalse
4350 \outer@nobreak
4351 }%
4352 \color@endbox
4353 }
4354 \def \@bidityftesidenotemarginparreset {%
4355 \reset@font
4356 \normalsize
4357 \@minipagetrue
4358 \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
4359 }
4360 \def\LTRbidityftesidenotemarginpar{%
4361 \ifhmode
4362 \@@bsphack
4363 \@floatpenalty -\@Mii
4364 \else
4365 \@floatpenalty-\@Miii
4366 \fi
4367 \ifinner
4368 \@parmoderr
4369 \@floatpenalty\z@
4370 \else
4371 \@next\@currbox\@freelist{}}}%
4372 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4373 {\@floatpenalty\z@
4374 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4375 \fi
4376 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4377 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4378 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4379 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4380 \xympar}
4381 \long\def\@LTRbidityftesidenoteympar#1{%
4382 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4383 \global\setbox\@currbox\copy\@marbox
4384 \xympar}
4385 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4386 \global\setbox #1%
4387 \color@vbox
4388 \vtop{%
4389 \hsize\marginparwidth

```



```

4390         \@parboxrestore
4391         \@LTRbiditytesidenotemarginparreset
4392         #2%
4393         \@minipagefalse
4394         \outer@nobreak
4395     }%
4396     \color@endbox
4397 }
4398 \def \@LTRbiditytesidenotemarginparreset {%
4399     \reset@font
4400     \normalsize
4401     \@minipagetrue
4402     \everypar{\@minipagefalse\everypar{}\beginL}%
4403 }
4404 \def\RTLbiditytesidenotemarginpar{%
4405     \ifhmode
4406         \@bsphack
4407         \@floatpenalty -\@Mii
4408     \else
4409         \@floatpenalty-\@Miii
4410     \fi
4411     \ifinner
4412         \@parmoderr
4413         \@floatpenalty\z@
4414     \else
4415         \@next\@currbox\@freelist{}\}%
4416         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4417         {\@floatpenalty\z@
4418         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4419     \fi
4420     \@ifnextchar [\@RTLbiditytesidenotexmpar\@RTLbiditytesidenoteympar}
4421 \long\def\@RTLbiditytesidenotexmpar[#1]#2{%
4422     \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
4423     \@RTLbiditytesidenotesavemarbox\@currbox{#2}%
4424     \@xympar}
4425 \long\def\@RTLbiditytesidenoteympar#1{%
4426     \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
4427     \global\setbox\@currbox\copy\@marbox
4428     \@xympar}
4429 \long\def \@RTLbiditytesidenotesavemarbox #1#2{%
4430     \global\setbox #1%
4431     \color@vbox
4432     \vtop{%
4433         \hsize\marginparwidth
4434         \@parboxrestore
4435         \@RTLbiditytesidenotemarginparreset
4436         #2%
4437         \@minipagefalse
4438         \outer@nobreak
4439     }%

```



```

4440 \color@endbox
4441 }
4442 \def \@RTLbidiuftesidenotemarginparreset {%
4443     \reset@font
4444     \normalsize
4445     \@minipagetrue
4446     \everypar{\@minipagefalse\everypar{}\beginR}%
4447 }
4448 \newcommand{\@bidiuftesidenote@marginfont}{\normalfont\footnotesize}
4449 \newcommand*{\@bidiuftesidenote@sidenote@font}{\@bidiuftesidenote@marginfont}
4450 \newcommand*{\@bidiuftesidenote@marginnote@font}{\@bidiuftesidenote@marginfont}
4451 \newcommand*{\@bidiuftesidenote@citation@font}{\@bidiuftesidenote@marginfont}
4452 \newcommand*{\@bidiuftelTRSidenote@citation@font}{\@bidiuftesidenote@marginfont}
4453 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidiuftesidenote@sidenote@font}{#1}}
4454 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidiuftesidenote@marginnote@font}{#1}}
4455 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidiuftesidenote@citation@font}{#1}}
4456 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidiuftelTRSidenote@citation@font}{#1}}
4457 \newcommand*{\@bidiuftesidenote@sidenote@justification}{\@bidiuftesidenote@justification@au}
4458 \newcommand*{\@bidiuftesidenote@marginnote@justification}{\@bidiuftesidenote@justification@au}
4459 \newcommand*{\@bidiuftesidenote@citation@justification}{\@bidiuftesidenote@justification@au}
4460 \newcommand*{\@bidiuftesidenote@justification@autodetect}{\justifying}%
4461 \newcommand{\@bidiuftesidenote@margin@par}{%
4462     \setlength{\RaggedRightParindent}{0.5pc}%
4463     \setlength{\JustifyingParindent}{0.5pc}%
4464     \setlength{\parindent}{0.5pc}%
4465     \setlength{\parskip}{0pt}%
4466 }
4467 %%
4468 % Globally sets the length
4469 \ifundefined{gsetlength}{%
4470 \newcommand*{\gsetlength}[2]{%
4471     \setlength{#1}{#2}%
4472     \global#1=#1\relax%
4473 }%
4474 }{}
4475 %%
4476 % Globally sets a boolean
4477 \ifundefined{gsetboolean}{%
4478 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
4479     \lowercase{\def\@tempa{#2}}%
4480     \ifundefined{\@tempa}{%
4481         {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
4482         {\ifundefined{#1\@tempa}%
4483             {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
4484             {\global\csname#1\@tempa\endcsname}%
4485         }%
4486     }%
4487 }{}
4488 %%
4489 % A function that removes leading and trailing spaces from the supplied macro.

```



```

4490 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4491 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
4492 % being trimmed of leading and trailing white space.
4493 \catcode`\Q=3
4494 \def\@bidityftesidenote@trim@spaces#1{%
4495   % Use grouping to emulate a multi-token afterassignment queue
4496   \begingroup%
4497   % Put ``\toks 0 {' into the afterassignment queue
4498   \aftergroup\toks\aftergroup0\aftergroup{%
4499   % Apply \trimb to the replacement text of #1, adding a leading
4500   % \noexpand to prevent brace stripping and to serve another purpose
4501   % later.
4502   \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4503   % Transfer the trimmed text back into #1.
4504   \edef#1{\the\toks0}%
4505 }
4506 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4507 % clean up any leftover bizarre Qs, and trim a leading space. In
4508 % order for \trimc to work properly we need to put back a Q first.
4509 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4510 % Execute \vfuzz assignment to remove leading space; the \noexpand
4511 % will now prevent unwanted expansion of a macro or other expandable
4512 % token at the beginning of the trimmed text. The \endgroup will feed
4513 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4514 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4515 \catcode`\Q=11
4516 %%
4517 % Citations should go in the margin as sidenotes
4518
4519 \RequirePackage{natbib}
4520 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environmen
4521 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4522 \renewcommand\BR@b@bibitem[2] []{%
4523   \ifthenelse{\isempty{#1}}{%
4524     {\BR@bibitem{#2}}%
4525     {\BR@bibitem{#1}{#2}}%
4526     \BR@c@bibitem{#2}%
4527 }
4528 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4529 %%
4530 % Normal \cite behavior
4531 \newcounter{@bidityftesidenote@num@bibkeys}%
4532 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt]{%
4533   % Snag the last bibentry in the list for later comparison
4534   \let\@temp@last@bibkey\@empty%
4535   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4536   \sidenote[] [#1]{%
4537     % Loop through all the bibentries, separating them with semicolons and spaces
4538     \normalsize\normalfont\@bidityftesidenote@citation@font%
4539     \setcounter{@bidityftesidenote@num@bibkeys}{0}%

```




```

4540 \for\@temp@bibkeyx:=#2\do{%
4541 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4542 {\ifthenelse{\equal{\value{@biditufte sidenote@num@bibkeys}}{0}}{\and\}%
4543 \@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4544 \bibentry{\@temp@bibkeyx}}%
4545 {\@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4546 \bibentry{\@temp@bibkeyx};\}%
4547 \stepcounter{@biditufte sidenote@num@bibkeys}%
4548 }%
4549 }%
4550 }
4551 \newcommand{\@biditufteLTRsidenote@normal@cite}[2][Opt]{%
4552 % Snag the last bibentry in the list for later comparison
4553 \let\@temp@last@bibkey\empty%
4554 \for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4555 \LTRsidenote[] [#1]{%
4556 % Loop through all the bibentries, separating them with semicolons and spaces
4557 \normalsize\normalfont\@biditufteLTRsidenote@citation@font%
4558 \setcounter{@biditufte sidenote@num@bibkeys}{0}%
4559 \@for\@temp@bibkeyx:=#2\do{%
4560 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4561 {\ifthenelse{\equal{\value{@biditufte sidenote@num@bibkeys}}{0}}{\and\}%
4562 \@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4563 \bibentry{\@temp@bibkeyx}}%
4564 {\@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4565 \bibentry{\@temp@bibkeyx};\}%
4566 \stepcounter{@biditufte sidenote@num@bibkeys}%
4567 }%
4568 }%
4569 }
4570 \newcommand{\@biditufteRTLsidenote@normal@cite}[2][Opt]{%
4571 % Snag the last bibentry in the list for later comparison
4572 \let\@temp@last@bibkey\empty%
4573 \for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4574 \RTLsidenote[] [#1]{%
4575 % Loop through all the bibentries, separating them with semicolons and spaces
4576 \normalsize\normalfont\@biditufteRTLsidenote@citation@font%
4577 \setcounter{@biditufte sidenote@num@bibkeys}{0}%
4578 \@for\@temp@bibkeyx:=#2\do{%
4579 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4580 {\ifthenelse{\equal{\value{@biditufte sidenote@num@bibkeys}}{0}}{\and\}%
4581 \@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4582 \bibentry{\@temp@bibkeyx}}%
4583 {\@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4584 \bibentry{\@temp@bibkeyx};\}%
4585 \stepcounter{@biditufte sidenote@num@bibkeys}%
4586 }%
4587 }%
4588 }
4589 %%

```



```

4590 % Macros for holding the list of cite keys until after the \sidenote
4591 \gdef\@bidityftesidenote@citations{ } % list of cite keys
4592 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4593   \ifx\@bidityftesidenote@citations\@empty\else
4594     \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
4595   \fi
4596   \g@addto@macro\@bidityftesidenote@citations{#1}
4597 }
4598 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4599 % Snag the last bibentry in the list for later comparison
4600 \let\@temp@last@bibkey\@empty%
4601 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4602 \marginpar{%
4603   \hbox{\vspace*{#1}%
4604     \@bidityftesidenote@citation@font%
4605     \@bidityftesidenote@citation@justification%
4606     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4607     \vspace*{-1\baselineskip}%
4608 % Loop through all the bibentries, separating them with semicolons and spaces
4609     \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4610     \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4611       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4612         {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\{and\ }%
4613           \@bidityftesidenote@trim@spaces\@temp@bibkeyx}% trim spaces around bibkey
4614           \bibentry{\@temp@bibkeyx}}%
4615         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx}% trim spaces around bibkey
4616           \bibentry{\@temp@bibkeyx};\ }%
4617       \stepcounter{\@bidityftesidenote@num@bibkeys}%
4618     }%
4619   }%
4620 }
4621 %%
4622 % \cite behavior when executed within a sidenote
4623 \newcommand{\@bidityftesidenote@sidenote@citations}{ } % contains list of \cites in sidenote
4624 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
4625   \@bidityftesidenote@add@citation{#1}
4626 }
4627 %%
4628 % Set the default \cite style. This is set and reset by the \sidenote command.
4629 \let\cite\@bidityftesidenote@normal@cite
4630 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
4631 \let\RTLcite\@bidityfteRTLsidenote@normal@cite
4632 %%
4633 % Transform existing \footnotes into \sidenotes
4634 % Sidenote: ``Where God meant footnotes to go.' '---bidityftesidenote
4635 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4636 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@
4637 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@
4638 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4639 % sidenote's text block.

```



```

4640 \bidi@patch@AfterPackage{bidi}{\long\def\@makefntext#1{\@textsuperscript{\@bidityftesidenote@
4641 % Set the in-text footnote mark in the same typeface as the body text itself.
4642 \bidi@patch@AfterPackage{bidi}{\def\@makefntmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@
4643 \providecommand*\multiplefootnotemarker}{3sp}
4644 \providecommand*\multfootsep}{,}
4645 \bidi@patch@AfterPackage{bidi}{%
4646 \renewcommand{\@footnotemark}{%
4647 \leavevmode%
4648 \ifhmode%
4649 \edef\@x@sf{\the\spacefactor}%
4650 \@bidityftesidenote@check@multiple@sidenotes%
4651 \nobreak%
4652 \fi%
4653 \@makefntmark%
4654 \ifhmode\spacefactor\@x@sf\fi%
4655 \relax%
4656 }%
4657 }
4658 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
4659 \ifdim\lastkern=\multiplefootnotemarker\relax%
4660 \edef\@x@sf{\the\spacefactor}%
4661 \unkern%
4662 \textsuperscript{\multfootsep}%
4663 \spacefactor\@x@sf\relax%
4664 \fi
4665 }
4666 \bidi@patch@AfterPackage{bidi}{%
4667 \renewcommand\@footnotetext[2][0pt]{%
4668 \bidityftesidenotemarginpar{%
4669 \hbox{\vspace*{#1}}%
4670 \def\baselinestretch {\setspace@singlespace}%
4671 \reset@font\footnotesize%
4672 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4673 \vspace*{-1\baselineskip}\noindent%
4674 \protected@edef\@currentlabel{%
4675 \csname p@footnote\endcsname\@thefntmark%
4676 }%
4677 \color@begingroup%
4678 \@makefntext{%
4679 \ignorespaces#2%
4680 }%
4681 \color@endgroup%
4682 }%
4683 }%
4684 \renewcommand\@LTRfootnotetext[2][0pt]{%
4685 \LTRbidityftesidenotemarginpar{%
4686 \hbox{\vspace*{#1}}%
4687 \def\baselinestretch {\setspace@singlespace}%
4688 \reset@font\footnotesize%
4689 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text

```



```

4690 \vspace*{-1\baselineskip}\noindent%
4691 \protected@edef\@currentlabel{%
4692     \csname p@footnote\endcsname\@thefnmark%
4693 }%
4694 \color@begingroup%
4695     \makefnmark{%
4696         \ignorespaces#2%
4697     }%
4698 \color@endgroup%
4699 }%
4700 }%
4701 \renewcommand\@RTLfootnotetext[2][Opt]{%
4702     \RTLbidityftesidenotemarginpar{%
4703         \hbox{}\vspace*{#1}%
4704         \def\baselinestretch {\setspace@singlespace}%
4705         \reset@font\footnotesize%
4706         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4707         \vspace*{-1\baselineskip}\noindent%
4708         \protected@edef\@currentlabel{%
4709             \csname p@footnote\endcsname\@thefnmark%
4710         }%
4711         \color@begingroup%
4712             \makefnmark{%
4713                 \ignorespaces#2%
4714             }%
4715         \color@endgroup%
4716     }%
4717 }%
4718 }
4719 %
4720 % Define \sidenote command. Can handle \cite.
4721 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
4722 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
4723 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4724 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
4725     \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4726     \gdef\@bidityftesidenote@citations{}}% clear out any old citations
4727     \ifthenelse{\NOT\isempty{#2}}{%
4728         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4729     }{%
4730         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4731     }%
4732     \ifthenelse{\isempty{#1}}{%
4733         % no specific footnote number provided
4734         \stepcounter\@mpfn%
4735         \protected@xdef\@thefnmark{\thempfn}%
4736         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4737     }{%
4738         % specific footnote number provided
4739         \begingroup%

```



```

4740 \csname c@\mpfn\endcsname #1\relax%
4741 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4742 \endgroup%
4743 \@footnotemark\@footnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4744 }%
4745 \@bidituftesidenote@print@citations% print any citations
4746 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4747 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite co
4748 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite co
4749 \unskip\ignorespaces% remove extra white space
4750 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4751 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4752 }
4753 \long\def\@LTRbidituftesidenote@sidenote[#1][#2]#3{%
4754 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4755 \gdef\@bidituftesidenote@citations{}% clear out any old citations
4756 \ifthenelse{\NOT\isempty{#2}}{%
4757 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
4758 }{%
4759 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
4760 }%
4761 \ifthenelse{\isempty{#1}}{%
4762 % no specific footnote number provided
4763 \stepcounter\mpfn%
4764 \protected@xdef\@thefnmark{\thempfn}%
4765 \@footnotemark\@LTRfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4766 }{%
4767 % specific footnote number provided
4768 \begingroup%
4769 \csname c@\mpfn\endcsname #1\relax%
4770 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4771 \endgroup%
4772 \@footnotemark\@LTRfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4773 }%
4774 \@bidituftesidenote@print@citations% print any citations
4775 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4776 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite co
4777 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite co
4778 \unskip\ignorespaces% remove extra white space
4779 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4780 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4781 }
4782 \long\def\@RTLbidituftesidenote@sidenote[#1][#2]#3{%
4783 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4784 \gdef\@bidituftesidenote@citations{}% clear out any old citations
4785 \ifthenelse{\NOT\isempty{#2}}{%
4786 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
4787 }{%
4788 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
4789 }%

```



```

4790 \ifthenelse{\isempty{#1}}{%
4791   % no specific footnote number provided
4792   \stepcounter{\mpfn%
4793     \protected@xdef\@thefnmark{\thempfn}%
4794     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4795   }{%
4796     % specific footnote number provided
4797     \begingroup%
4798       \csname c@\mpfn\endcsname #1\relax%
4799       \unrestored@protected@xdef\@thefnmark{\thempfn}%
4800     \endgroup%
4801     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4802   }%
4803   \@bidityftesidenote@print@citations%           print any citations
4804   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
4805   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4806   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4807   \unskip\ignorespaces%                          remove extra white space
4808   \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
4809   \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4810 }
4811 \newcommand{\sidenote}{\@optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
4812 \newcommand{\LTRsidenote}{\@optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
4813 \newcommand{\RTLsidenote}{\@optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
4814 \bidi@patch@AfterPackage{bidi}{%
4815   \renewcommand{\footnote}{\@optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
4816   \renewcommand{\LTRfootnote}{\@optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
4817   \renewcommand{\RTLfootnote}{\@optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
4818 }
4819 %%
4820 % Sidenote without the footnote mark
4821 \newcommand\marginnote[2] [Opt]{%
4822   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4823   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
4824   \bidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
4825     \@bidityftesidenote@print@citations%        print any citations
4826     \let\cite\@bidityftesidenote@normal@cite%    go back to using normal in-text \cite command
4827     \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4828     \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4829 }
4830 \newcommand\LTRmarginnote[2] [Opt]{%
4831   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4832   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
4833   \LTRbidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
4834     \@bidityftesidenote@print@citations%        print any citations
4835     \let\cite\@bidityftesidenote@normal@cite%    go back to using normal in-text \cite command
4836     \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4837     \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4838 }
4839 \newcommand\RTLmarginnote[2] [Opt]{%

```



```

4840 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4841 \gdef\@bidityftesidenote@citations{% clear out any old citations
4842 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
4843 \@bidityftesidenote@print@citations% print any citations
4844 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4845 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4846 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4847 }

```

7.25 bidityftetoc.sty

```

4848 \NeedsTeXFormat{LaTeX2e}
4849 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
4850 bidi implementation of tufte toc]
4851 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
4852 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
4853 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
4854 %%
4855 % Turn off section numbering
4856 \setcounter{secnumdepth}{-1}
4857 \newboolean{@bidityftetoc@toc}
4858 \setboolean{@bidityftetoc@toc}{true}
4859 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
4860 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
4861 \ProcessOptions
4862 %%
4863 % Make Tufatian-style section headings and TOC formatting
4864 \bidity@patch@AfterPackage{bidi}{%
4865 \titleformat{\chapter}%
4866 [display]% shape
4867 {\relax\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format app
4868 {\itshape\huge\thechapter}% label
4869 {0pt}% horizontal separation between label and title body
4870 {\huge\rmfamily\itshape}% before the title body
4871 [\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the title bo
4872 \titleformat{\section}%
4873 [hang]% shape
4874 {\normalfont\Large\itshape}% format applied to label+text
4875 {\thesection}% label
4876 {1em}% horizontal separation between label and title body
4877 {}% before the title body
4878 []% after the title body
4879 \titleformat{\subsection}%
4880 [hang]% shape
4881 {\normalfont\large\itshape}% format applied to label+text
4882 {\thesubsection}% label
4883 {1em}% horizontal separation between label and title body
4884 {}% before the title body
4885 []% after the title body
4886 \titleformat{\paragraph}%

```



```

4887 [runin]% shape
4888 {\normalfont\itshape}% format applied to label+text
4889 {\theparagraph}% label
4890 {1em}% horizontal separation between label and title body
4891 {}% before the title body
4892 []% after the title body
4893 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4894 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4895 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
4896 }
4897 % Subsubsection and following section headings shouldn't be used.
4898 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4899 \renewcommand\subsubsection{%
4900 \biditytetocError{\noexpand\subsubsection is undefined by this class.%
4901 \MessageBreak See Robert Bringhurst's _The Elements of
4902 \MessageBreak Typographic Style_, section 4.2.2.
4903 \MessageBreak \noexpand\subsubsection was used}
4904 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4905 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4906 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
4907 }
4908 \renewcommand\subparagraph{%
4909 \biditytetocError{\noexpand\subparagraph is undefined by this class.%
4910 \MessageBreak See Robert Bringhurst's _The Elements of
4911 \MessageBreak Typographic Style_, section 4.2.2.
4912 \MessageBreak \noexpand\subparagraph was used}
4913 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4914 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4915 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
4916 }
4917 % Formatting for main TOC (printed in front matter)
4918 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4919 \ifthenelse{\boolean{@biditytetoc@toc}}{%
4920 \bidi@patch@AfterPackage{bidi}{%
4921 \titlecontents{part}% FIXME
4922 [0em] % distance from left margin
4923 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4924 {\contentslabel{2em}} % before w/label (label = ``II'')
4925 {} % before w/o label
4926 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4927 [\end{fullwidth}] % after
4928 \titlecontents{chapter}%
4929 [0em] % distance from left margin
4930 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4931 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4932 {\hspace*{0em}} % before w/o label
4933 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4934 [\end{fullwidth}] % after
4935 \titlecontents{section}% FIXME
4936 [0em] % distance from left margin

```




```

4937 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting
4938 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4939 {\hspace*{2em}} % before w/o label
4940 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4941 [\end{fullwidth}] % after
4942 \titlecontents{subsection}% FIXME
4943 [0em] % distance from left margin
4944 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting
4945 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
4946 {\hspace*{4em}} % before w/o label
4947 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4948 [\end{fullwidth}] % after
4949 \titlecontents{paragraph}% FIXME
4950 [0em] % distance from left margin
4951 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global forma
4952 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4953 {\hspace*{6em}} % before w/o label
4954 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4955 [\end{fullwidth}] % after
4956 }%
4957 }{}
4958 %%
4959 % Format lists of figures/tables
4960 \renewcommand\listoffigures{%
4961   \@ifundefined{chapter}%
4962     {\section*{\listfigurename}}%
4963     {\chapter*{\listfigurename}}%
4964 % \begin{fullwidth}%
4965   \@starttoc{lof}%
4966 % \end{fullwidth}%
4967 }
4968 \renewcommand\listoftables{%
4969   \@ifundefined{chapter}%
4970     {\section*{\listtablename}}%
4971     {\chapter*{\listtablename}}%
4972 % \begin{fullwidth}%
4973   \@starttoc{lot}%
4974 % \end{fullwidth}%
4975 }
4976 \newcommand{\@bidiuftetoc@lof@line}[2]{%
4977   % #1 is the figure/table number and its caption text
4978   % #2 is the page number on which the figure/table appears
4979   \leftskip 0.0em
4980   \rightskip 0em
4981   \parfillskip 0em plus 1fil
4982   \parindent 0.0em
4983   \@afterindenttrue
4984   \interlinepenalty\@M
4985   \leavevmode
4986   \@tempdima 2.0em

```



```

4987 \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
4988 \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
4989 {#1}\nobreak\qqquad\nobreak#2%
4990 \par%
4991 }
4992 \renewcommand*\l@figure{\@bittuftetoc@lof@line}
4993 \let\l@table\l@figure

```

7.26 bittuftegeneralstructure.sty

```

4994 \NeedsTeXFormat{LaTeX2e}
4995 \ProvidesPackage{bittuftegeneralstructure}[2011/06/18 v0.1
4996 bidi implementation of tufte general structure]
4997 \renewcommand\small{%
4998   \@setfontsize\small\@xpt{12}%
4999   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5000   \abovedisplayshortskip \z@ \@plus2\p@
5001   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5002   \def\@listi{\leftmargin\leftmargini
5003             \topsep 4\p@ \@plus2\p@ \@minus2\p@
5004             \parsep 2\p@ \@plus\p@ \@minus\p@
5005             \itemsep \parsep}%
5006   \belowdisplayskip \abovedisplayskip
5007 }
5008 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5009 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5010 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5011 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
5012 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5013 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5014 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5015 \setlength\leftmargini {1pc}
5016 \setlength\leftmarginii {1pc}
5017 \setlength\leftmarginiii {1pc}
5018 \setlength\leftmarginiv {1pc}
5019 \setlength\leftmarginv {1pc}
5020 \setlength\leftmarginvi {1pc}
5021 \setlength\labelsep {.5pc}
5022 \setlength\labelwidth {\leftmargini}
5023 \addtolength\labelwidth{-\labelsep}
5024 \setlength{\parindent}{1.0pc}%
5025 \setlength{\parskip}{0pt}%
5026 \RequirePackage{ragged2e}
5027 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5028 % Paragraph indentation and separation for normal text
5029 \newcommand{\@bittuftegeneralstructure@reset@par}{%
5030   \setlength{\RaggedRightParindent}{1.0pc}%
5031   \setlength{\JustifyingParindent}{1.0pc}%
5032   \setlength{\parindent}{1pc}%
5033   \setlength{\parskip}{0pt}%

```



```

5034 }
5035 \@biditytgeneralstructure@reset@par
5036 % Require paralist package for tighter lists
5037 \RequirePackage{paralist}
5038 % Add rightmargin to compactenum
5039 \def\@compactenum@{%
5040   \expandafter\list\csname label\@enumctr\endcsname{%
5041     \usecounter{\@enumctr}%
5042     \rightmargin=2em% added this
5043     \parsep\plparsep
5044     \itemsep\plitemsep
5045     \topsep\pltopsep
5046     \partopsep\plpartopsep
5047     \def\makelabel##1{\hss\llap{##1}}}}
5048 %%
5049 % An environment for paragraph-style section
5050 \providecommand\newthought[1]{%
5051   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5052   \noindent\textbf{#1}%
5053 }
5054 %%
5055 % Redefine the display environments (quote, quotation, etc.)
5056 \renewenvironment{verse}
5057   {\let\\\@centercr
5058    \list{}\itemsep \z@
5059    \itemindent -1pc%
5060    \listparindent\itemindent
5061    \rightmargin \leftmargin
5062    \advance\leftmargin 1pc}%
5063   \small%
5064   \item\relax}
5065 {\endlist}
5066 \renewenvironment{quotation}
5067   {\list{}\listparindent 1pc%
5068    \itemindent \listparindent
5069    \rightmargin \leftmargin
5070    \parsep \z@ \@plus\p@}%
5071   \small%
5072   \item\relax\noindent\ignorespaces}
5073 {\endlist}
5074 \renewenvironment{quote}
5075   {\list{}\listparindent 1pc%
5076    \rightmargin \leftmargin
5077    \small%
5078    \item\relax}
5079 {\endlist}
5079 % Italicize description run-in headings (instead of the default bold)
5080 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5081 %%
5082 % Redefine \bibsection to not mark the running heads.
5083 % (Code modified from natbib.sty.)

```



```

5084 \@ifundefined{chapter}%
5085   {\renewcommand\bibsection{\section*{\refname}}}
5086   {\@ifundefined{NAT@sectionbib}%
5087     {\renewcommand\bibsection{\chapter{\bibname}}}
5088     {\renewcommand\bibsection{\section*{\bibname}}}}
5089 \RequirePackage{multicol}
5090 \renewenvironment{theindex}{%
5091 \@ifundefined{chapter}%
5092   {\section*{\indexname}}%
5093   {\chapter{\indexname}}%
5094   \begin{fullwidth}%
5095   \small%
5096   \parskip0pt%
5097   \parindent0pt%
5098   \let\item\@idxitem%
5099   \begin{multicols}{3}%
5100 }{%
5101   \end{multicols}%
5102   \end{fullwidth}%
5103 }
5104 \AtBeginDocument{%
5105 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5106 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5107 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5108 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5109 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

7.27 **bidituftehyperref.sty**

```

5110 \NeedsTeXFormat{LaTeX2e}
5111 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5112 bidi implementation of tufte hyperref]
5113 %%
5114 % Color
5115 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5116 \newboolean{@bidituftehyperref@loadhyper}
5117 \setboolean{@bidituftehyperref@loadhyper}{true}
5118 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
5119 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
5120 \ProcessOptions
5121 %% Loads the hyperref package and sets some default options.
5122 \newcommand{\bidituftehyperrefLoadHyperref}{%
5123 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5124 \hypersetup{%
5125   bookmarksdepth = section,
5126   citecolor = DarkGreen,
5127   linkcolor = DarkBlue,
5128 %   pagecolor = DarkBlue,
5129   urlcolor = DarkGreen,
5130 }%

```



```

5131 }
5132 \ifthenelse{\boolean{@biditytfttehyperref@loadhyper}}{%
5133   \biditytfttehyperrefLoadHyperref%
5134 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5135   \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5136 }

```

7.28 biditytfttitle.sty

```

5137 \NeedsTeXFormat{LaTeX2e}
5138 \ProvidesPackage{biditytfttitle}[2011/06/18 v0.1
5139 bidi implementation of tufte title]
5140 \RequirePackage{biditytools}
5141 %%
5142 % `titlepage' option -- creates a full title page with \maketitle
5143 \newboolean{@biditytfttitle@titlepage}
5144 \DeclareOption{titlepage}{\setboolean{@biditytfttitle@titlepage}{true}}
5145 \DeclareOption{notitlepage}{\setboolean{@biditytfttitle@titlepage}{false}}
5146 % Default `book' and `handout' options
5147 \ifclassloaded{book}{%
5148 \ExecuteOptions{titlepage}}{%
5149 \ifclassloaded{article}{%
5150 \ExecuteOptions{notitlepage}}%
5151 {}}
5152 \ProcessOptions
5153 %%
5154 % Modified \title, \author, and \date commands. These store the
5155 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5156 \newcommand{\plaintitle}{}% plain-text-only title
5157 \newcommand{\plainauthor}{}% plain-text-only author
5158 \newcommand{\plainpublisher}{}% plain-text-only publisher
5159 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5160 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5161 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5162 \newcommand{\@publisher}{}% full publisher with \thanks{}
5163 \newcommand{\thedate}{\today}
5164 \biditypatch@AfterPackage{bidi}{%
5165 \renewcommand{\thanks}[1]{\footnote{#1}}
5166 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5167 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5168 }
5169 \renewcommand{\title}[2][]{%
5170   \gdef\@title{#2}%
5171   \begingroup%
5172     % TODO store contents of \thanks command
5173     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5174     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5175     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5176     \protected@xdef\thanklesstitle{#2}%
5177   \endgroup%

```



```

5178 \ifthenelse{\isempty{#1}}%
5179   {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5180   {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5181 \@ifundefined{hypersetup}%
5182   {}% hyperref is not loaded; do nothing
5183   {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5184 }
5185 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5186 \renewcommand{\author}[2][]{%
5187   \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
5188   \begingroup%
5189     % TODO store contents of \thanks command
5190     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5191     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5192     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5193     \protected@xdef\thanklessauthor{#2}%
5194   \endgroup%
5195   \ifthenelse{\isempty{#1}}%
5196     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5197     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5198   \@ifundefined{hypersetup}%
5199     {}% hyperref is not loaded; do nothing
5200     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5201 }
5202 \renewcommand{\date}[1]{%
5203   \gdef\@date{#1}%
5204   \begingroup%
5205     % TODO store contents of \thanks command
5206     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5207     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5208     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5209     \protected@xdef\thedata{#1}%
5210   \endgroup%
5211 }
5212 %%
5213 % Provides a \publisher command to set the publisher
5214 \newcommand{\publisher}[2][]{%
5215   \gdef\@publisher{#2}%
5216   \begingroup%
5217     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5218     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5219     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5220     \protected@xdef\thanklesspublisher{#2}%
5221   \endgroup%
5222   \ifthenelse{\isempty{#1}}%
5223     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5224     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5225 }
5226 %%
5227 % Produces a full title page

```



```

5228 \newcommand{\maketitlepage}[0]{%
5229   \cleardoublepage%
5230   {%
5231     \bfseries%
5232     \begin{fullwidth}%
5233     \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5234     \vspace{11.5pc}%
5235     \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5236     \vfill%
5237     \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5238     \end{fullwidth}%
5239   }
5240   \thispagestyle{empty}%
5241   \clearpage%
5242 }
5243 %%
5244 % Title block
5245 \bidi@AfterEndPreamble{%
5246 \renewcommand{\maketitle}{%
5247   \newpage%
5248   \global\@topnum\z@% prevent floats from being placed at the top of the page
5249   \begin{group}%
5250     \setlength{\parindent}{0pt}%
5251     \setlength{\parskip}{4pt}%
5252     \let\@title\@empty%
5253     \let\@author\@empty%
5254     \let\@date\@empty%
5255     \gdef\@title{\LARGE\itshape\@title\par}%
5256     \gdef\@author{\Large\itshape\@author\par}%
5257     \gdef\@date{\Large\itshape\@date\par}%
5258     \@title%
5259     \@author%
5260     \@date%
5261   \end{group}%
5262   \thispagestyle{plain}% suppress the running head
5263 }%
5264 }
5265 %%
5266 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
5267 % class.)
5268 \bidi@AfterEndPreamble{%
5269 \ifthenelse{\boolean{@bidentitetitle@titlepage}}{
5270   {\renewcommand{\maketitle}{\maketitlepage}}
5271 }{
5272 }
5273 %%
5274 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5275 % without headers and footers
5276 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5277   \hbox{}

```



```

5278 %\vspace*{\fill}
5279 %\begin{center}
5280 % This page intentionally contains only this sentence.
5281 %\end{center}
5282 %\vspace{\fill}
5283 \thispagestyle{empty}
5284 \newpage
5285 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

7.29 bidentufte-handout.cls

```

5286 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5287 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5288 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5289 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5290 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5291 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5292 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5293 \ProcessOptions\relax
5294 \LoadClass{article}
5295 \RequirePackage{bidentuftefloat}
5296 \RequirePackage{bidentuftesidenote}
5297 \RequirePackage{bidentuftetoc}
5298 \RequirePackage{bidentuftegeneralstructure}
5299 \RequirePackage{bidentuftehyperref}
5300 \RequirePackage{bidentuftetitle}
5301 \renewenvironment{abstract}
5302 {\begin{quotation}}
5303 {\end{quotation}}
5304 \AtBeginDocument{%
5305 \IfFileExists{bidentufte-handout.cfg}
5306 {\input{bidentufte-handout.cfg}
5307 \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}
5308 {}%
5309 }

```

7.30 bidentufte-book.cls

```

5310 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5311 \ProvidesClass{bidentufte-book}[2011/06/18 v0.1 bidentufte-book class]
5312 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5313 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5314 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5315 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5316 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5317 \ProcessOptions\relax
5318 \LoadClass{book}
5319 \RequirePackage{bidentuftefloat}
5320 \RequirePackage{bidentuftesidenote}
5321 \RequirePackage{bidentuftetoc}
5322 \RequirePackage{bidentuftegeneralstructure}

```




```

5323 \RequirePackage{bidiutftehyperref}
5324 \RequirePackage{bidiutftetitle}
5325 %%
5326 % Set up any book-specific stuff now
5327 %%
5328 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5329 % to the opening page of Chapter 1. The running heads, when they appear,
5330 % contain only the (arabic) page number in the outside corner.
5331 %\newif\if@mainmatter \@mainmattertrue
5332 \renewcommand\frontmatter{%
5333   \cleardoublepage%
5334   \@mainmatterfalse%
5335   \pagenumbering{arabic}%
5336   %\pagestyle{plain}%
5337   \fancyhf{}%
5338   \ifthenelse{\boolean{@bidiutftefloat@twoside}}{%
5339     {\fancyhead[LE,R0]{\thepage}}%
5340     {\fancyhead[RE,R0]{\thepage}}%
5341   }
5342 %%
5343 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5344 % numbering---it continues where it left off in the front matter.
5345 \renewcommand\mainmatter{%
5346   \cleardoublepage%
5347   \@mainmattertrue%
5348   \fancyhf{}%
5349   \ifthenelse{\boolean{@bidiutftefloat@twoside}}{%
5350     {\renewcommand\chaptermark}[1]{\markboth{##1}{}}%
5351     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5352     \fancyhead[R0]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5353     {\fancyhead[RE,R0]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5354   }
5355 %%
5356 % The back matter contains appendices, indices, glossaries, endnotes,
5357 % bibliographies, list of contributors, illustration credits, etc.
5358 \renewcommand\backmatter{%
5359   \if@openright%
5360     \cleardoublepage%
5361   \else%
5362     \clearpage%
5363   \fi%
5364   \@mainmatterfalse%
5365 }
5366 %%
5367 % Only show the chapter titles in the table of contents
5368 \setcounter{tocdepth}{0}
5369 \AtBeginDocument{%
5370 \IfFileExists{bidiutfte-book.cfg}
5371   {\input{bidiutfte-book.cfg}
5372   \ClassInfo{bidiutfte-book}{Loading bidiutfte-book configuration file \@gobble}}

```



```

5373 {}%
5374 }

```

7.31 bidipoem.sty

```

5375 \NeedsTeXFormat{LaTeX2e}
5376 \ProvidesPackage{bidipoem}%
5377 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5378
5379 % Usage:
5380 %
5381 % \Setversedim #1#2 % define the layout (within a group):
5382 % #1 = length of both half-verses
5383 % #2 = separation distance = length of a connection, if present
5384 % Variant:
5385 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5386 % #1 = length of first (=right) half-verse
5387 % #2 = length of second (=left) half-verse
5388 % #3 = separation distance = length of a connection, if present
5389 %
5390 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5391 % #1 = text of first (=right) half-verse
5392 % #2 = text of second (=left) half-verse
5393 % Variant:
5394 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5395 % #1 = text of first (=right) half-verse
5396 % #2 = text of connection
5397 % #3 = text of second (=left) half-verse
5398 %
5399 % Alternative (if preferred):
5400 %
5401 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5402
5403
5404 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5405
5406 % define the layout, verses will be centered
5407
5408 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5409 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5410
5411 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5412 \bidipoem@hvind \textwidth
5413 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5414 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5415 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@n
5416
5417 \def \bidipoem@set@verseI [#1]{% optional parameter
5418 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5419

```



```

5420 \newcommand*{\bidipoem@set@verse}[1]{% separation
5421 \advance \bidipoem@hvind -\bidipoem@hrlen \bidipoem@hvsep #1\relax
5422 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5423
5424 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5425 \ifdim Opt > \bidipoem@hvind %
5426 \bidipoem@spreadbox \bidipoem@hrlen {#1}\ \hfill % first block
5427 \else
5428 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hrlen {#1}\fi
5429 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5430 \bidipoem@spreadbox \bidipoem@hrlen {#3}% second block
5431 \par }
5432
5433 % macro for two half verses
5434 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5435 \ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
5436 \else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5437 \bidipoem@half@verses@next}
5438
5439 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5440 \traditionalconnverses {#1}{#2}{#3}}
5441
5442
5443 {\catcode\^^M=\active % these lines must end with %
5444 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
5445 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5446 {\catcode\^^M=\active % these lines must end with %
5447 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
5448 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5449 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5450 \def\poemmarginskip{1em plus 1fil minus 1em}
5451 \def\poemextrabaselineskip{0\baselineskip}
5452 \def\poemskip{\medskip}
5453 \newcommand{\bidipoem@openbox}{\leavevmode
5454 \hbox to.77778em{%
5455 \hfil\vrule
5456 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5457 \vrule\hfil}}
5458 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5459 \newdimen\versewidth
5460 \newtoks\bidipoem@p@ftn
5461 \def\poem@verse#1{%
5462 \ifdim\wd#1>\new@poem@width
5463 \xdef\new@poem@width{\the\wd#1}%
5464 \ifdim\new@poem@width>\poem@width
5465 \xdef\poem@width{\new@poem@width}%
5466 \global\let\poem@needrun\relax
5467 \fi
5468 \fi
5469 \hbox to\poem@width{\unhbox#1}%

```



```

5470 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5471 }
5472 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmargin\skip\relax}
5473 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
5474 \def\poem@lineversesep{%
5475 \nobreak
5476 \hskip\z@ plus 1filll%
5477 \penalty600%
5478 \hskip\poemcolsepskip
5479 \hskip\z@ plus -2filll%
5480 \vadjust{}}%
5481 \nobreak
5482 \hskip\z@ plus 1filll%
5483 }
5484 \def\poem@lineparsebegin{%
5485 \halign\bgroup
5486 \global\setbox\verse@i=\hbox{%
5487 \let\@footnotetext\bidipoem@p@ftntext%
5488 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5489 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5490 \let\@xfootnotenext\bidipoem@p@xftntext%
5491 \let\@xfootnote\bidipoem@p@xfootnote%
5492 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5493 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5494 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5495 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5496 \ignorespaces##\unskip}&&
5497 \global\setbox\verse@ii=\hbox{%
5498 \let\@footnotetext\bidipoem@p@ftntext%
5499 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5500 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5501 \let\@xfootnotenext\bidipoem@p@xftntext%
5502 \let\@xfootnote\bidipoem@p@xfootnote%
5503 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5504 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5505 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5506 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5507 \ignorespaces##\unskip}
5508 \cr
5509 }
5510 \def\poem@lineparseend{%
5511 \crcr\egroup
5512 \vskip-\baselineskip
5513 }
5514 \def\traditionalpoem@cr{%
5515 \cr\poem@line
5516 }
5517 \newbox\verse@i
5518 \newbox\verse@ii
5519 \newif\ifpoem@started

```



```

5520
5521 \def\poem@line{%
5522 \poem@lineparseend
5523 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5524 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5525 \ifpoem@started
5526 \ifdim\wd\verse@ii>\z@\else
5527 \nopagebreak[3]
5528 \fi
5529 \leavevmode
5530 \poem@linebegin
5531 \poem@verse\verse@i
5532 \ifdim\wd\verse@ii>\z@
5533 \poem@lineversesep
5534 \poem@verse\verse@ii
5535 \fi
5536 \poem@lineend
5537 % \nopagebreak
5538 \par
5539 \vskip\poemextrabaseskip
5540 \fi
5541 \poem@lineparsebegin
5542 }
5543 \def\@traditionalpoem{%
5544 \stepcounter{poem@no}
5545 \ifnum\max@poem@no<\number\c@poem@no%
5546 \xdef\poem@width{\z@}%
5547 \else
5548 \xdef\poem@width{\poem@prop{poem@width}}%
5549 \fi
5550 \xdef\new@poem@width{\z@}%
5551 \global\versewidth=\poem@width

5552 \poemskip\par
5553 \begingroup
5554 \tabskip=\z@
5555 \parskip=\z@
5556 \parindent=\z@
5557 \parfillskip=\z@
5558 \rightskip=\z@
5559 \leftskip=\z@
5560 \widowpenalty=10000% No break between verses of the same line.
5561 \clubpenalty=10000% Same as above. Not really needed.
5562 \def\newblock{\hfil\poemblocksep\hfil\null}%
5563 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5564 \def\{\{\global\poem@startedtrue\traditionalpoem@cr}%
5565 \global\poem@startedfalse
5566 \csname poem@obeylines\endcsname
5567 \let\poem@obeylines\relax
5568 \poem@lineparsebegin

```



```

5569 }
5570 \def\@endtraditionalpoem{%
5571 \cr
5572 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5573 \noalign{%
5574 \skip0=\poemextrabaseskip
5575 \vskip-\skip0
5576 \vskip-\baseskip
5577 }%
5578 \fi\fi
5579 \poem@lineparseend
5580 \endgroup
5581 \par
5582 \vskip\baseskip
5583 \poemskip
5584 \if@nolist \else
5585 \ifdim\lastskip >\z@
5586 \@tempkipa\lastskip \vskip -\lastskip
5587 \advance\@tempkipa\parskip \advance\@tempkipa -\outerparskip
5588 \vskip\@tempkipa
5589 \fi
5590 \@endparenv
5591 \fi
5592 \ifdim\new@poem@width<\poem@width
5593 \global\let\poem@needrun\relax
5594 \fi
5595 \poem@write@aux{\poem@width\romannumeral\c@poem@no}\new@poem@width}%
5596 \ifx\AtEndDocument\undefined\poem@finish\fi
5597 }
5598
5599
5600 \long\def\bidipoem@p@ftntext#1{%
5601 \edef\@temp{x\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
5602 \global\bidipoem@p@ftn\expandafter{\@temp{#1}}}%
5603 \long\def\bidipoem@p@LTRftntext#1{%
5604 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
5605 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5606 \long\def\bidipoem@p@RTLftntext#1{%
5607 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
5608 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5609
5610 \long\def\bidipoem@p@xftntext[#1]#2{%
5611 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5612
5613 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5614 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5615
5616 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5617 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5618

```



```

5619 \def\bidipoem@p@xfootnote[#1]{%
5620   \begingroup
5621     \csname c@%mpfn\endcsname #1\relax
5622     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5623   \endgroup
5624   \@footnotemark\bidipoem@p@xftntext[#1]}
5625
5626 \def\bidipoem@p@xLTRfootnote[#1]{%
5627   \begingroup
5628     \csname c@%mpfn\endcsname #1\relax
5629     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5630   \endgroup
5631   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5632
5633 \def\bidipoem@p@xRTLfootnote[#1]{%
5634   \begingroup
5635     \csname c@%mpfn\endcsname #1\relax
5636     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5637   \endgroup
5638   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5639
5640
5641
5642 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5643 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines}
5644 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5645 \def\poem@finish{%
5646   \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5647   \ifx\poem@needrun\relax
5648     \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5649     \global\let\poem@needrun\undefined
5650   \fi
5651 }
5652 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5653 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5654 \ifx\max@poem@no\undefined
5655   \def\max@poem@no{0}%
5656 \fi
5657 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
5658 \newcommand{\poem@write@aux}[2]{%
5659   \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5660   \@x
5661 }
5662 \def\@modernpoem{%
5663   \par
5664   \begingroup
5665     \parskip=\z@
5666     \parindent=\z@
5667   \def\[{ {\@settab\@tabplus\ignorespaces}%
5668   \def\]{ {\@tabminus\ignorespaces}%

```



```

5669 \def\newblock{\poemblocksep}%
5670 \let\newpoem@tabcr\@tabcr
5671 \def\modernpoem@par{% Redefine \par for possible \obeylines
5672   \ifpoem@started\else
5673     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5674       \@stopfield
5675     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5676     \@contfield
5677   \fi
5678 \fi
5679 \ifpoem@started\newpoem@tabcr\fi}%
5680 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5681 \global\poem@startedfalse
5682 \csname poem@obeylines\endcsname
5683 \let\poem@obeylines\relax
5684 \begin{tabbing}%
5685 }
5686 \def\@endmodernpoem{%
5687 \global\poem@startedfalse
5688 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5689   \@stopfield
5690 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5691 \@contfield
5692 \fi
5693 \ifpoem@started\else\let\@stopline\@stopfield\fi
5694 \end{tabbing}%
5695 \endgroup
5696 \par
5697 \if@nparlist \else
5698   \ifdim\lastskip >\z@
5699     \@tempskipa\lastskip \vskip -\lastskip
5700     \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5701     \vskip\@tempskipa
5702   \fi
5703   \endparenv
5704 \fi
5705 }
5706 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5707 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@par}
5708 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5709 \gdef\@startfield{%
5710 \global\setbox\@curfield\hbox\bgroup%
5711 \let\@footnotetext\bidipoem@p@ftntext%
5712 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5713 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5714 \let\@xfootnotenext\bidipoem@p@xftntext%
5715 \let\@xfootnote\bidipoem@p@xfootnote%
5716 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5717 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5718 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%

```




```

5719 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5720 \color@begingroup}
5721 \gdef\@stopfield{%
5722   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
5723 \gdef\@contfield{%
5724   \global\setbox\@curfield\hbox\bgroup%
5725   \let\@footnotetext\bidipoem@p@ftntext%
5726   \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5727   \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5728   \let\@xfootnotenext\bidipoem@p@xftntext%
5729   \let\@xfootnote\bidipoem@p@xfootnote%
5730   \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5731   \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5732   \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5733   \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5734   \color@begingroup\unhbox\@curfield}

```

7.32 boek3-xetex-bidi.def

```

5735 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX e
5736 \renewenvironment{theindex}{%
5737   \if@twocolumn
5738     \@restonecolfalse
5739   \else
5740     \@restonecoltrue
5741   \fi
5742   \columnseprule \z@
5743   \columnsep 35\p@
5744   \twocolumn[\@makeschapterhead{\indexname}]%
5745   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5746   \thispagestyle{plain}\parindent\z@
5747   \parskip\z@ \@plus .3\p@\relax
5748   \let\item\@idxitem
5749   }{%
5750   \if@restonecol\onecolumn\else\clearpage\fi}
5751 \renewcommand*{\head@style}{%
5752   \interlinepenalty \@M
5753   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5754   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5755 \renewcommand*{\@regtocline[3]}{%
5756   \ifnum #1>\c@tocdepth
5757   \else
5758     \vskip\z@ \@plus.2\p@
5759     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5760     \if@RTL\rightskip\else\leftskip\fi\unitindent
5761     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5762     \parfillskip\z@
5763     \@tempdima\unitindent
5764     \parindent\z@
5765     \leavevmode

```



```

5766     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5767     \hskip 1em \nobreak{\slshape #3}\par
5768     }%
5769     \fi}
5770 \if@oldtoc
5771 \renewcommand*\l@part[2]{%
5772   \ifnum \c@tocdepth >-2\relax
5773     \addpenalty{-\@highpenalty}%
5774     \addvspace{2.25em \@plus\p@}%
5775     \begingroup
5776       \setlength\@tempdima{3em}%
5777       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5778       \parfillskip -\@pnumwidth
5779       {\leavevmode
5780         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5781         \nobreak
5782         \global\@nobreaktrue
5783         \everypar{\global\@nobreakfalse\everypar{}}%
5784       \endgroup
5785     \fi}
5786 \else
5787   \renewcommand*\l@part{%
5788     \ifnum \c@tocdepth >-2\relax
5789       \addpenalty{-\@highpenalty}%
5790       \addvspace{2.25em \@plus\p@}%
5791       \@regtocline{0}%
5792     \fi}
5793 \fi
5794 \if@oldtoc
5795 \renewcommand*\l@chapter[2]{%
5796   \addpenalty{-\@highpenalty}%
5797   \vskip 1.0em \@plus\p@
5798   \setlength\@tempdima{1.5em}%
5799   \begingroup
5800     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5801     \parfillskip -\@pnumwidth
5802     \leavevmode \bfseries
5803     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5804     \hskip -\if@RTL\rightskip\else\leftskip\fi
5805     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5806     \penalty\@highpenalty
5807   \endgroup}
5808 \else
5809   \renewcommand*\l@chapter{\@regtocline{0}}
5810 \fi
5811 \renewenvironment{abstract}{%
5812   \titlepage
5813   \null\vfil
5814   \section*{\SectFont \abstractname}
5815   \noindent\ignorespaces}

```



```

5816      {\par\vfil\null\endtitlepage}
5817 \renewenvironment{thebibliography}[1]
5818     {\chapter*{\bibname}%
5819      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5820      \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
5821      \list{\@biblabel{\@arabic\c@enumiv}}%
5822           {\settowidth\labelwidth{\@biblabel{#1}}%
5823            \leftmargin\labelwidth
5824            \advance\leftmargin\labelsep
5825            \openbib@code
5826            \usecounter{enumiv}%
5827            \let\p@enumiv\empty
5828            \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5829      \sloppy\clubpenalty4000\widowpenalty4000
5830      \sfcode`. \m}
5831      {\def\@noitemerr
5832       {\@latex@warning{Empty `thebibliography' environment}}%
5833       \endlist}
5834 \renewcommand*\left@footnoterule{%
5835   \kern-3\p@
5836   \kern.5\baselineskip
5837   \hrule\@width\unitindent
5838   \kern.4\baselineskip
5839 }
5840 \renewcommand*\right@footnoterule{%
5841   \kern-3\p@
5842   \kern.5\baselineskip
5843   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5844   \kern.4\baselineskip}
5845 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5846 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5847 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5848 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5849 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5850 \renewcommand*\theequation{%
5851   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5852 \renewcommand*\thefigure{%
5853   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
5854 \renewcommand*\thetable{%
5855   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
5856 \renewcommand*\maketitle{%
5857   \begin{titlepage}%
5858     \let\footnotesize\small
5859     \let\right@footnoterule\relax
5860     \let\left@footnoterule\relax
5861     \let\textwidth\footnoterule\relax
5862     \let\footnote\thanks
5863     \long\def\@makefnmark##1{\parindent\z@
5864      \def\labelitemi{\textendash}\@revlabeltrue
5865      \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}

```



```

5866 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5867 \if@compatibility\setcounter{page}{0}\fi
5868 \null\vfil
5869 \vskip 60\p@
5870 \begin{center}%
5871 \TitleFont
5872 {\LARGE \def\{\penalty -\@M}
5873 \if@allcaps
5874 \expandafter\uc@nothanks\@title\thanks\relax
5875 \else
5876 \@title
5877 \fi\par}%
5878 \vskip 3em%
5879 {\large
5880 \lineskip .75em \parindent\z@
5881 \begin{tabular}[t]{c}%
5882 \if@allcaps
5883 \expandafter\uc@authornothanks\@author\and\relax
5884 \else
5885 \@author
5886 \fi
5887 \end{tabular}\par}%
5888 \vskip 1.5em%
5889 {\large
5890 \if@allcaps
5891 \uppercase\expandafter{\@date}%
5892 \else
5893 \@date
5894 \fi\par}%
5895 \end{center}\par
5896 \@thanks
5897 \vfil\null
5898 \end{titlepage}%
5899 \setcounter{footnote}{0}%
5900 \global\let\thanks\relax
5901 \global\let\maketitle\relax
5902 \global\let\@thanks\@empty
5903 \global\let\@author\@empty
5904 \global\let\@title\@empty
5905 \global\let\@date\@empty
5906 \global\let\title\relax
5907 \global\let\author\relax
5908 \global\let\date\relax
5909 \global\let\and\relax
5910 }

```

7.33 boek-xetex-bidi.def

```

5911 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX eng
5912 \renewenvironment{theindex}{%

```



```

5913 \if@twocolumn
5914   \@restonecolfalse
5915 \else
5916   \@restonecoltrue
5917 \fi
5918 \columnseprule \z@
5919 \columnsep 35\p@
5920 \twocolumn[\@makeschapterhead{\indexname}]%
5921 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5922 \thispagestyle{plain}\parindent\z@
5923 \parskip\z@ \@plus .3\p@\relax
5924 \let\item\@idxitem
5925 }{%
5926 \if@restonecol\onecolumn\else\clearpage\fi}
5927 \renewcommand*{\head@style}{%
5928   \interlinepenalty \@M
5929   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5930   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5931 \renewcommand*{\regtocline}[3]{%
5932   \ifnum #1>\c@tocdepth
5933   \else
5934     \vskip\z@ \@plus .2\p@
5935     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5936       \if@RTL\rightskip\else\leftskip\fi\unitindent
5937       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5938       \parfillskip\z@
5939       \@tempdima\unitindent
5940       \parindent\z@
5941       \leavevmode
5942       \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5943       \hskip 1em \nobreak{\slshape #3}\par
5944     }%
5945   \fi}
5946 \if@oldtoc
5947 \renewcommand*{\l@part}[2]{%
5948   \ifnum \c@tocdepth >-2\relax
5949     \addpenalty{-\@highpenalty}%
5950     \addvspace{2.25em \@plus\p@}%
5951     \begingroup
5952       \setlength{\@tempdima}{3em}%
5953       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5954       \parfillskip -\@pnumwidth
5955       {\leavevmode
5956         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5957       \nobreak
5958       \global\@nobreaktrue
5959       \everypar{\global\@nobreakfalse\everypar{}}%
5960     \endgroup
5961   \fi}
5962 \else

```



```

5963 \renewcommand*\l@part{%
5964     \ifnum \c@tocdepth >-2\relax
5965     \addpenalty{-\@highpenalty}%
5966     \addvspace{2.25em \@plus \p@}%
5967     \@regtocline{0}%
5968 \fi}
5969 \fi
5970 \if@oldtoc
5971 \renewcommand*\l@chapter[2]{%
5972     \addpenalty{-\@highpenalty}%
5973     \vskip 1.0em \@plus\p@
5974     \setlength\@tempdima{1.5em}%
5975     \begingroup
5976     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5977     \parfillskip -\@pnumwidth
5978     \leavevmode \bfseries
5979     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5980     \hskip -\if@RTL\rightskip\else\leftskip\fi
5981     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5982     \penalty\@highpenalty
5983 \endgroup}
5984 \else
5985 \renewcommand*\l@chapter{\@regtocline{0}}
5986 \fi
5987 \renewcommand*\left@footnoterule{%
5988     \kern-3\p@
5989     \kern.5\baselineskip
5990     \hrule\@width\unitindent
5991     \kern.4\baselineskip
5992 }
5993 \renewcommand*\right@footnoterule{%
5994     \kern-3\p@
5995     \kern.5\baselineskip
5996     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5997     \kern.4\baselineskip}
5998 \renewenvironment{abstract}{%
5999     \titlepage
6000     \null\vfil
6001     \section*{\SectFont \abstractname}
6002     \noindent\ignorespaces}
6003 {\par\vfil\null\endtitlepage}
6004 \renewenvironment{thebibliography}[1]
6005 {\chapter*{\bibname}%
6006     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6007 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6008     \list{\@biblabel{\@arabic\c@enumiv}}%
6009         {\settowidth\labelwidth{\@biblabel{#1}}%
6010         \leftmargin\labelwidth
6011         \advance\leftmargin\labelsep
6012         \@openbib@code

```



```

6013         \usecounter{enumiv}%
6014         \let\p@enumiv\@empty
6015         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6016     \sloppy\clubpenalty4000\widowpenalty4000%
6017     \sfcode`\.\@m}
6018     {\def\@noitemerr
6019      {\@latex@warning{Empty `thebibliography' environment}}}%
6020     \endlist}
6021 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6022 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6023 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6024 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6025 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6026 \renewcommand*\theequation{%
6027   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6028 \renewcommand*\thefigure{%
6029   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6030 \renewcommand*\thetable{%
6031   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6032 \renewcommand*\maketitle{%
6033   \begin{titlepage}%
6034     \let\footnotesize\small
6035     \let\right@footnoterule\relax
6036     \let\left@footnoterule\relax
6037     \let\textwidth\footnoterule\relax
6038     \let \footnote \thanks
6039     \long\def\@makefnmark##1{\parindent\z@
6040       \def\labelitemi{\textendash}\@revlabeltrue
6041       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6042     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6043     \if@compatibility\setcounter{page}{0}\fi
6044     \null\vfil
6045     \vskip 60\p@
6046     \begin{center}%
6047       \TitleFont
6048       {\LARGE \def\\{\penalty -\@M}
6049         \if@allcaps
6050           \expandafter\uc@nothanks\@title\thanks\relax
6051         \else
6052           \@title
6053         \fi\par}%
6054     \vskip 3em%
6055     {\large
6056       \lineskip .75em \parindent\z@
6057       \begin{tabular}[t]{c}%
6058         \if@allcaps
6059           \expandafter\uc@authornothanks\@author\and\relax
6060         \else
6061           \@author
6062         \fi

```



```

6063         \end{tabular}\par}%
6064     \vskip 1.5em%
6065     {\large
6066         \if@allcaps
6067             \uppercase\expandafter{\@date}%
6068         \else
6069             \@date
6070         \fi\par}%
6071     \end{center}\par
6072     \@thanks
6073     \vfil\null
6074 \end{titlepage}%
6075 \setcounter{footnote}{0}%
6076 \global\let\thanks\relax
6077 \global\let\maketitle\relax
6078 \global\let\@thanks\@empty
6079 \global\let\@author\@empty
6080 \global\let\@title\@empty
6081 \global\let\@date\@empty
6082 \global\let\title\relax
6083 \global\let\author\relax
6084 \global\let\date\relax
6085 \global\let\and\relax
6086 }

```

7.34 bookest-xetex-bidi.def

```

6087 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeTeX]
6088 \def\@makechapterhead#1{%
6089     \vspace*{20\p@}
6090     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6091         \ifnum \c@secnumdepth >\m@ne
6092             \if@mainmatter
6093                 {\colorA\huge\scshape \@chapapp\space \thechapter}
6094                 \par\nobreak
6095                 \vskip 10\p@
6096             \fi
6097         \fi
6098         \interlinepenalty\@M
6099         {\colorB\hrule}
6100         \vskip 15\p@
6101         \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6102             {\colorA\Huge \bfseries #1}\par\nobreak
6103         \if@RTL\end{flushleft}\else\end{flushright}\fi
6104         \vskip 5\p@
6105         {\colorB\hrule}
6106         \vskip 30\p@
6107     }}
6108 \def\@makeschapterhead#1{%
6109     \vspace*{20\p@}

```




```

6110 {\parindent \z@ \raggedright \normalfont
6111 {\colorB\hrule}
6112 \vskip 15\p@
6113 \begin{center}
6114   {\colorA\Huge \bfseries #1}\par\nobreak
6115 \end{center}
6116 \vskip 5\p@
6117 {\colorB\hrule}
6118 \vskip 30\p@
6119 }}

```

7.35 book-xetex-bidi.def

```

6120 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class for .
6121 \renewenvironment{theindex}
6122   {\if@twocolumn
6123     \@restonecolfalse
6124     \else
6125       \@restonecoltrue
6126     \fi
6127     \columnseprule \z@
6128     \columnsep 35\p@
6129     \twocolumn[\@makeschapterhead{\indexname}]%
6130     \@mkboth{\MakeUppercase\indexname}%
6131              {\MakeUppercase\indexname}%
6132     \thispagestyle{plain}\parindent\z@
6133     \parskip\z@ \@plus .3\p@\relax
6134     \let\item\@idxitem}
6135   {\if@restonecol\onecolumn\else\clearpage\fi}
6136 \@ifclassloaded{bookest}{\}{%
6137   \if@titlepage
6138     \renewcommand\maketitle{\begin{titlepage}%
6139     \let\footnotesize\small
6140     \let\right@footnoterule\relax
6141     \let\left@footnoterule\relax
6142     \let\textwidth\footnoterule\relax
6143     \let \footnote \thanks
6144     \let \LTRfootnote \LTRthanks
6145     \let \RTLfootnote \RTLthanks
6146     \null\vfil
6147     \vskip 60\p@
6148     \begin{center}%
6149       {\LARGE \@title \par}%
6150       \vskip 3em%
6151       {\large
6152         \lineskip .75em%
6153         \begin{tabular}[t]{c}%
6154           \@author
6155         \end{tabular}\par}%
6156       \vskip 1.5em%

```



```

6157     {\large \@date \par}%           % Set date in \large size.
6158 \end{center}\par
6159 \@thanks
6160 \vfil\null
6161 \end{titlepage}%
6162 \setcounter{footnote}{0}%
6163 \global\let\thanks\relax
6164 \global\let\LTRthanks\relax
6165 \global\let\RTLthanks\relax
6166 \global\let\maketitle\relax
6167 \global\let\@thanks\@empty
6168 \global\let\@author\@empty
6169 \global\let\@date\@empty
6170 \global\let\@title\@empty
6171 \global\let\title\relax
6172 \global\let\author\relax
6173 \global\let\date\relax
6174 \global\let\and\relax
6175 }
6176 \else
6177 \renewcommand\maketitle{\par
6178 \begingroup
6179   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6180   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6181   \long\def\@makefntext##1{\parindent 1em\noindent
6182     \hb@xt@1.8em{%
6183       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6184   \if@twocolumn
6185     \ifnum \col@number=\@ne
6186       \@maketitle
6187     \else
6188       \twocolumn[\@maketitle]%
6189     \fi
6190   \else
6191     \newpage
6192     \global\@topnum\z@    % Prevents figures from going at top of page.
6193     \@maketitle
6194   \fi
6195   \thispagestyle{plain}\@thanks
6196 \endgroup
6197 \setcounter{footnote}{0}%
6198 \global\let\thanks\relax
6199 \global\let\LTRthanks\relax
6200 \global\let\RTLthanks\relax
6201 \global\let\maketitle\relax
6202 \global\let\@maketitle\relax
6203 \global\let\@thanks\@empty
6204 \global\let\@author\@empty
6205 \global\let\@date\@empty
6206 \global\let\@title\@empty

```



```

6207 \global\let\title\relax
6208 \global\let\author\relax
6209 \global\let\date\relax
6210 \global\let\and\relax
6211 }
6212 \def\@maketitle{%
6213 \newpage
6214 \null
6215 \vskip 2em%
6216 \begin{center}%
6217 \let \footnote \thanks
6218 \let \LTRfootnote \LTRthanks
6219 \let \RTLfootnote \RTLthanks
6220 {\LARGE \@title \par}%
6221 \vskip 1.5em%
6222 {\large
6223 \lineskip .5em%
6224 \begin{tabular}[t]{c}%
6225 \@author
6226 \end{tabular}\par}%
6227 \vskip 1em%
6228 {\large \@date}%
6229 \end{center}%
6230 \par
6231 \vskip 1.5em}
6232 \fi}
6233 \renewcommand*\l@part[2]{%
6234 \ifnum \c@tocdepth >-2\relax
6235 \addpenalty{-\@highpenalty}%
6236 \addvspace{2.25em \@plus\p@}%
6237 \setlength\@tempdima{3em}%
6238 \begingroup
6239 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6240 \parfillskip -\@pnumwidth
6241 {\leavevmode
6242 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6243 \nobreak
6244 \global\@nobreaktrue
6245 \everypar{\global\@nobreakfalse\everypar{}}%
6246 \endgroup
6247 \fi}
6248 \renewcommand*\l@chapter[2]{%
6249 \ifnum \c@tocdepth >\m@ne
6250 \addpenalty{-\@highpenalty}%
6251 \vskip 1.0em \@plus\p@
6252 \setlength\@tempdima{1.5em}%
6253 \begingroup
6254 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6255 \parfillskip -\@pnumwidth
6256 \leavevmode \bfseries

```



```

6257      \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
6258      \hskip -\if@RTL\righskip\else\leftskip\fi
6259      #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6260      \penalty\@highpenalty
6261      \endgroup
6262      \fi}
6263 \renewcommand\left@footnoterule{%
6264   \kern-3\p@
6265   \hrule\@width.4\columnwidth
6266   \kern2.6\p@}
6267 \renewcommand\right@footnoterule{%
6268   \kern-3\p@
6269   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6270   \kern2.6\p@}
6271 \renewcommand\theequation
6272   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6273 \renewcommand \thefigure
6274   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6275 \renewcommand \thetable
6276   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6277 \renewcommand \thechapter {\@arabic\c@chapter}
6278 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6279 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6280 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6281 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6282 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6283 \def\@makechapterhead#1{%
6284   \vspace*{50\p@}%
6285   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6286     \ifnum \c@secnumdepth >\m@ne
6287       \if@mainmatter
6288         \huge\bfseries \@chapapp\space \thechapter
6289         \par\nobreak
6290         \vskip 20\p@
6291       \fi
6292     \fi
6293     \interlinepenalty\@M
6294     \Huge \bfseries #1\par\nobreak
6295     \vskip 40\p@
6296   }}
6297 \def\@makeschapterhead#1{%
6298   \vspace*{50\p@}%
6299   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6300     \normalfont
6301     \interlinepenalty\@M
6302     \Huge \bfseries #1\par\nobreak
6303     \vskip 40\p@
6304   }}
6305 \renewcommand\backmatter{%
6306   \if@openright

```



```

6307 \cleardoublepage
6308 \else
6309 \clearpage
6310 \fi
6311 \@mainmatterfalse}
6312 \renewenvironment{thebibliography}[1]
6313 { \chapter*{\bibname}%
6314 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6315 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6316 \list{\@biblabel{\@arabic\c@enumiv}}%
6317 {\settowidth\labelwidth{\@biblabel{#1}}%
6318 \leftmargin\labelwidth
6319 \advance\leftmargin\labelsep
6320 \@openbib@code
6321 \usecounter{enumiv}%
6322 \let\p@enumiv\@empty
6323 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6324 \sloppy
6325 \clubpenalty4000
6326 \@clubpenalty \clubpenalty
6327 \widowpenalty4000%
6328 \sfcode`.\@m}
6329 {\def\@noitemerr
6330 {\@latex@warning{Empty `thebibliography' environment}}}%
6331 \endlist}

```

7.36 breqn-xetex-bidi.def

```

6332 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for XeTeX]
6333 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6334 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6335 \if@noskipsec \leavevmode \fi
6336 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6337 \if\eq@group\else\eq@prelim\fi
6338 \setkeys{breqn}{#1}%
6339 \the\eqstyle
6340 \eq@setnumber
6341 \begingroup
6342 \eq@setup@a
6343 \eq@startup
6344 }
6345 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6346 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6347 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6348 \global\let\GRP@label\@empty
6349 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6350 \global\grp@linewidth\z@\global\grp@wdNum\z@
6351 \global\let\grp@eqs@numbered\@False
6352 \global\let\grp@aligned\@True
6353 \global\let\grp@shiftnumber\@False

```



```

6354 \eq@prelim
6355 \setkeys{breqn}{#1}%
6356 \if\grp@hasNumber \grp@setnumber \fi
6357 }
6358 \def@dseries[#1]{\if@RTL\@RTLfalse\fi%
6359 \let\display@setup\dseries@display@setup
6360 % Question: should this be the default for dseries???
6361 \global\eq@wdCond\z@
6362 \@dmath[layout={M},#1]%
6363 \mathsurround\z@\@math \penalty\Mi
6364 \let\endmath\ends@math
6365 \def\premath{%
6366 \ifdim\lastskip<.3em \unskip
6367 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6368 }%
6369 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6370 \ignorespaces
6371 }
6372 \def\eqnumform#1{\if@Latin\else\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@Latin\else\endR\fi}
6373 \renewenvironment{dsuspend}{%
6374 \global\setbox\EQ@box\vbox\bgroup\if@Latin\else\@RTLtrue\fi \@parboxrestore
6375 \parshape 1 \displayindent \displaywidth\relax
6376 \hsize=\columnwidth \noindent\ignorespaces
6377 }{%
6378 \par\egroup
6379 \global\setbox\GRP@box\vbox{%
6380 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
6381 \unvbox\GRP@box
6382 }%
6383 \global\GRP@queue\@xp{\the\GRP@queue
6384 \elt{\let\eq@isIntertext\@True}%
6385 }%
6386 }

```

7.37 cals-xetex-bidi.def

```

6387 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX e
6388 \renewenvironment{calstable}[1][c]{%
6389 \if@RTL\@RTLtabtrue\cals@activate@rtl\fi
6390 \if l#1%
6391 \if@RTLtab\leftskip\fill \rightskip\z@\else\leftskip\z@ \rightskip\fill\fi
6392 \else\if r#1%
6393 \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
6394 \else\if c#1%
6395 \leftskip\fill \rightskip\fill
6396 \fi\fi\fi
6397 \let\cals@thead@tokens=\relax
6398 \let\cals@tfoot@tokens=\relax
6399 \let\cals@tbreak@tokens=\relax
6400 \cals@tfoot@height=0pt \relax

```



```

6401 \let\cals@last@context=n%
6402 \let\cals@current@context=b%
6403 \parindent=Opt %
6404 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
6405 %% Alignment inside is independent on center/flushright outside
6406 \parfillskip=Opt plus1fil\relax
6407 \let\cals@borderL=\relax
6408 \let\cals@borderR=\relax
6409 \let\cals@borderT=\relax
6410 \let\cals@borderB=\relax
6411 }{% End of the table
6412 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
6413
6414 \renewcommand\alignL{%
6415 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fill\else\cals@paddingL=\dimen0\
6416 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
6417
6418 \renewcommand\alignR{%
6419 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\
6420 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

7.38 caption-xetex-bidi.def

```

6421 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for Xe
6422 \let\@makecaption\caption@makecaption

```

7.39 caption3-xetex-bidi.def

```

6423 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for Xe
6424 \renewcommand*\caption@par{%
6425 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

7.40 colortbl-xetex-bidi.def

```

6426 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for Xe
6427 \def\CT@setup{%
6428 \@tempdimb\col@sep
6429 \@tempdimc\col@sep
6430 \def\CT@color{%
6431 \global\let\CT@do@color\CT@@do@color
6432 \bidicolor}}
6433 \def\@classz{\@classx
6434 \@tempcnta\count@
6435 \prepnext@tok
6436 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6437 \@addtopreamble{\if@RTLtab\beginL\fi%
6438 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6439 \ifcase \@chnum
6440 \hskip\stretch{.5}\kern\z@
6441 \d@llarbegin
6442 \insert@column
6443 \d@llarend\hskip\stretch{.5}\or

```



```

6444 \dollarbegin \insert@column \dollarend \hfill \or
6445 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
6446 $\vcenter
6447 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6448 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6449 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6450 \fi
6451 \if@RTLtab\endR\fi\egroup\egroup
6452 \beginngroup
6453 \CT@setup
6454 \CT@column@color
6455 \CT@row@color
6456 \CT@cell@color
6457 \CT@do@color
6458 \endgroup
6459 \@tempdima\ht\z@
6460 \advance\@tempdima\minrowclearance
6461 \vrule\@height\@tempdima\@width\z@
6462 \unhbox\z@\if@RTLtab\endL\fi}%
6463 \prepnext@tok}

```

7.41 color-xetex-bidi.def

```

6464 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX]
6465 \long\def\color@b@x#1#2#3{%
6466 \leavevmode\ifhmode\else\if@RTL\beginL\fi\fi
6467 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6468 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6469 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6470 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}}%
6471 \box\z@}\ifhmode\else\if@RTL\endL\fi\fi}
6472 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6473 \DeclareRobustCommand\color{%
6474 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}%
6475 \def\@declaredcolor#1{%
6476 \@ifundefined{\string\color @#1}%
6477 {\c@lor@error{`#1'}}%
6478 {\expandafter\let\expandafter\current@color
6479 \csname\string\color @#1\endcsname
6480 \set@color}%
6481 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6482 \def\@undeclaredcolor[#1]#2{%
6483 \@ifundefined{color@#1}%
6484 {\c@lor@error{model `#1'}}%
6485 {\csname color@#1\endcsname\current@color{#2}%
6486 \set@color}%
6487 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6488 \DeclareRobustCommand\bidicolor{%
6489 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}%
6490 \def\@bidiundeclaredcolor[#1]#2{%

```




```

6491 \@ifundefined{color@#1}%
6492   {\c@lor@error{model `#1'}}%
6493   {\csname color@#1\endcsname\current@color{#2}%
6494     \set@color}%
6495   \ignorespaces}
6496 \def\@bidideclaredcolor#1{%
6497   \@ifundefined{\string\color @#1}%
6498     {\c@lor@error{`#1'}}%
6499     {\expandafter\let\expandafter\current@color
6500       \csname\string\color @#1\endcsname
6501       \set@color}%
6502   \ignorespaces}
6503 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6504 \def\color@fbox#1#2#3{%
6505   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6506 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.42 combine-xetex-bidi.def

```

6507 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeT
6508 \renewcommand{\c@ll@chapsecii}[2]{%
6509   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6510   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6511   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6512 }
6513 \renewcommand{\c@ll@chapseci}{%
6514   \setlength\@tempdima{0em}%
6515   \begingroup
6516     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6517     \parfillskip -\@pnumwidth
6518     \leavevmode
6519 }
6520 \renewenvironment{tocindent}[1]{%
6521   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{}

```

7.43 crop-xetex-bidi.def

```

6522 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX e
6523 \renewcommand*\CROP@@ulc{%
6524   \if@RTLmain%
6525     \begin{picture}(0,0)
6526       \unitlength\p@\thinlines
6527       \put(-40,0){\circle{10}}
6528       \put(-30,-5){\line(0,1){10}}
6529       \put(-35,0){\line(1,0){30}}
6530       \put(-10,30){\circle{10}}
6531       \put(-5,30){\line(1,0){10}}
6532       \put(0,35){\line(0,-1){30}}
6533     \end{picture}%
6534   \else%
6535     \begin{picture}(0,0)

```



```

6536         \unitlength\p@\thinlines
6537         \put(-30,0){\circle{10}}
6538         \put(-30,-5){\line(0,1){10}}
6539         \put(-35,0){\line(1,0){30}}
6540         \put(0,30){\circle{10}}
6541         \put(-5,30){\line(1,0){10}}
6542         \put(0,35){\line(0,-1){30}}
6543     \end{picture}%
6544     \fi%
6545 }
6546 \renewcommand*\CROP@@urc{%
6547     \if@RTLmain%
6548         \begin{picture}(0,0)
6549             \unitlength\p@\thinlines
6550             \put(20,0){\circle{10}}
6551             \put(30,-5){\line(0,1){10}}
6552             \put(35,0){\line(-1,0){30}}
6553             \put(-10,30){\circle{10}}
6554             \put(-5,30){\line(1,0){10}}
6555             \put(0,35){\line(0,-1){30}}
6556         \end{picture}%
6557     \else%
6558         \begin{picture}(0,0)
6559             \unitlength\p@\thinlines
6560             \put(30,0){\circle{10}}
6561             \put(30,-5){\line(0,1){10}}
6562             \put(35,0){\line(-1,0){30}}
6563             \put(0,30){\circle{10}}
6564             \put(-5,30){\line(1,0){10}}
6565             \put(0,35){\line(0,-1){30}}
6566         \end{picture}%
6567     \fi%
6568 }
6569 \renewcommand*\CROP@@llc{%
6570     \if@RTLmain%
6571         \begin{picture}(0,0)
6572             \unitlength\p@\thinlines
6573             \put(-40,0){\circle{10}}
6574             \put(-30,-5){\line(0,1){10}}
6575             \put(-35,0){\line(1,0){30}}
6576             \put(-10,-30){\circle{10}}
6577             \put(-5,-30){\line(1,0){10}}
6578             \put(0,-35){\line(0,1){30}}
6579         \end{picture}%
6580     \else%
6581         \begin{picture}(0,0)
6582             \unitlength\p@\thinlines
6583             \put(-30,0){\circle{10}}
6584             \put(-30,-5){\line(0,1){10}}
6585             \put(-35,0){\line(1,0){30}}

```



```

6586      \put(0,-30){\circle{10}}
6587      \put(-5,-30){\line(1,0){10}}
6588      \put(0,-35){\line(0,1){30}}
6589      \end{picture}%
6590      \fi%
6591  }
6592  \renewcommand*\CROP@lrc{%
6593    \if@RTLmain%
6594      \begin{picture}(0,0)
6595        \unitlength\p@\thinlines
6596        \put(20,0){\circle{10}}
6597        \put(30,-5){\line(0,1){10}}
6598        \put(35,0){\line(-1,0){30}}
6599        \put(-10,-30){\circle{10}}
6600        \put(-5,-30){\line(1,0){10}}
6601        \put(0,-35){\line(0,1){30}}
6602      \end{picture}%
6603    \else%
6604      \begin{picture}(0,0)
6605        \unitlength\p@\thinlines
6606        \put(30,0){\circle{10}}
6607        \put(30,-5){\line(0,1){10}}
6608        \put(35,0){\line(-1,0){30}}
6609        \put(0,-30){\circle{10}}
6610        \put(-5,-30){\line(1,0){10}}
6611        \put(0,-35){\line(0,1){30}}
6612      \end{picture}%
6613    \fi%
6614  }
6615  \@ifpackagewith{crop}{cam}{%
6616    \CROP@execopt{cam}%
6617  }{}

```

7.44 cutwin-xetex-bidi.def

```

6618  \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeTeX]
6619  \renewcommand*\c@twcompctr[2]{%
6620    \def\c@twfirst{1}
6621    \loop\advance\c@twwinlines\m@ne
6622    \setbox\c@twslicea=\vsplit#1 to\baselineskip
6623    \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6624    \c@twprune{\c@twslicea}{\c@twlftside}%
6625    \c@twprune{\c@twsliceb}{\c@twrtside}%
6626    \ifnum\c@twfirst=\@ne
6627      \setbox#2=\vbox{\unvbox#2\hbox
6628        to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
6629    \else
6630      \setbox#2=\vbox{\unvbox#2\hbox
6631        to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
6632    \fi

```



```

6633 \def\c@twfirst{2}
6634 \ifnum\c@twwinlines>\z@\repeat}
6635 \renewcommand*{\c@twcompodctr}[2]{%
6636 \def\c@twrounds{1}
6637 \def\c@twfirst{1}
6638 \@for\c@twlspec:=\c@twb\do{%
6639 \ifnum\c@twrounds=1
6640 \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6641 \c@twprune{\c@twslicea}{\c@twlspec}%
6642 \def\c@twrounds{2}
6643 \else
6644 \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6645 \c@twprune{\c@twsliceb}{\c@twlspec}%
6646 \ifnum\c@twfirst=1
6647 \setbox#2=\vbox{\unvbox#2\hbox
6648 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
6649 \def\c@twfirst{2}
6650 \else
6651 \setbox#2=\vbox{\unvbox#2\hbox
6652 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
6653 \fi
6654 \def\c@twrounds{1}
6655 \fi}}

```

7.45 cuted-xetex-bidi.def

```

6656 \ProvidesFile{cuted-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for cuted package for XeTeX]
6657 \def\RTL@outputdblcol{%
6658 \if@firstcolumn \global\@firstcolumnfalse
6659 \global\setbox\@leftcolumn \box\@outputbox
6660 \else
6661 \global\@firstcolumntrue
6662 \setbox\@outputbox \vbox {\hbox to\textwidth {%
6663 \hskip \columnwidth
6664 \hfil \vrule width\columnseprule \hfil
6665 \hbox to\columnwidth {\box\@leftcolumn \hss}%
6666 \hskip -\textwidth
6667 \hbox to\columnwidth{\box\@outputbox \hss}%
6668 \hskip \columnsep
6669 \hskip \columnwidth }}%
6670 \ifvoid\hold@viper
6671 \else
6672 \setbox\@outputbox \vbox to\textheight{%
6673 \box\hold@viper
6674 \box\@outputbox
6675 \vss
6676 }%
6677 \fi
6678 \@combinedblfloats \@outputpage
6679 \begingroup \@dblfloatplacement \@startdblcolumn

```



```

6680 \@whilesw\if@fcolmade \fi
6681 {\@outputpage \@startdblcolumn }%
6682     \ifvoid\@viper
6683     \else
6684         \global\setbox\@viper\vbox{%
6685             \vskip-\stripsep
6686             \unvbox\@viper
6687         }%
6688     \@viperoutput
6689     \fi
6690 \endgroup
6691 \fi}
6692 \def\LTR@outputdblcol{%
6693     \if@firstcolumn
6694         \global \@firstcolumnfalse
6695         \global \setbox\@leftcolumn \box\@outputbox
6696     \else
6697         \global\@firstcolumntrue
6698         \setbox\@outputbox \vbox {%
6699             \hb@xt@\textwidth {%
6700                 \hb@xt@\columnwidth {%
6701                     \box\@leftcolumn \hss}%
6702                 \hfil
6703                 \vrule \@width\columnseprule
6704                 \hfil
6705                 \hb@xt@\columnwidth {%
6706                     \box\@outputbox \hss}%
6707                 }%
6708             }%
6709     \ifvoid\hold@viper
6710     \else
6711         \setbox\@outputbox \vbox to\textheight{%
6712             \box\hold@viper
6713             \box\@outputbox
6714             \vss
6715         }%
6716     \fi
6717 \@combinedblfloats
6718 \@outputpage
6719 \beginingroup
6720     \@dblfloatplacement
6721     \@startdblcolumn
6722     \@whilesw\if@fcolmade \fi
6723     {\@outputpage
6724         \@startdblcolumn}%
6725     \ifvoid\@viper
6726     \else
6727         \global\setbox\@viper\vbox{%
6728             \vskip-\stripsep
6729             \unvbox\@viper

```



```

6730         }%
6731         \@viperoutput
6732     \fi
6733 \endgroup
6734 \fi
6735 }
6736 \def \@addviper {%
6737     \if@firstcolumn
6738         \@insertfalse
6739         \@reqcolroom .5\@pageht
6740         \ht@viper\@reqcolroom
6741         \advance \@reqcolroom \ht@viper
6742         \advance \@reqcolroom \stripsep
6743         \ifvoid\hold@viper\@tempdima=z@\else\@tempdima\ht\hold@viper\fi
6744 %%
6745     \@tempdimb \ht@viper
6746     \loop
6747     \setbox\v@aaa\copy\@holdpg
6748     \setbox\v@ccc\vbox to\@tempdimb{%
6749         \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
6750     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6751     \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6752     \loop
6753     \setbox\v@aaa\copy\@holdpg
6754     \setbox\v@ccc\vbox to\@tempdimb{%
6755         \vsplit\v@aaa to\@tempdimb\vss}%
6756     \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
6757     \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
6758     \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6759     \setbox\v@ccc\vbox to\@tempdimb{%
6760         \vsplit\@holdpg to\@tempdimb\vss}%
6761 %%
6762     \setbox\@tempboxa \vbox {%
6763         \hb@xt@\textwidth {%
6764             \if@RTLmain%
6765                 \hskip \columnwidth
6766                 \hfil \vrule width\columnseprule \hfil
6767                 \hb@xt@\columnwidth {%
6768                     \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6769                 \hskip -\textwidth
6770                 \hb@xt@\columnwidth {%
6771                     \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6772                 \hskip \columnsep
6773                 \hskip \columnwidth
6774             \else%
6775                 \hb@xt@\columnwidth {%
6776                     \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6777                 \hfil
6778                 \vrule \@width\columnseprule
6779                 \hfil

```



```

6780         \hb@xt@\columnwidth {%
6781         \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6782         \fi}%
6783     }%
6784 \ifvoid\hold@viper
6785     \global\setbox\hold@viper \vbox {%
6786         \unvbox\@tempboxa
6787         \penalty\interlinepenalty
6788         \vskip\stripsep
6789         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6790         \outputpenalty \z@
6791     }%
6792 \else
6793     \global\setbox\hold@viper \vbox {%
6794         \unvbox\hold@viper
6795         \unvbox\@tempboxa
6796         \penalty\interlinepenalty
6797         \vskip\stripsep
6798         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6799         \outputpenalty \z@
6800     }%
6801 \fi
6802 \ifdim \@colroom>\@reqcolroom
6803     \global\setbox\hold@viper \vbox {%
6804         \unvbox\hold@viper
6805         \box\@viper
6806         \penalty\interlinepenalty
6807         \vskip\stripsep
6808         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6809         \outputpenalty \z@
6810     }%
6811     \@inserttrue
6812     \advance\@tempdima by-\ht\hold@viper
6813     \global \advance \@colht \@tempdima
6814     \ifdim \@colht<2.5\baselineskip
6815     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6816         too tall on page \thepage (1 stulpelis)}}%
6817         \@emptycol
6818         \if@firstcolumn
6819         \else
6820             \@emptycol
6821         \fi
6822         \global\@lastvipertrue
6823     \else
6824         \global \vsize \@colht
6825         \global \@colroom \@colht
6826         \check@floats
6827         \ifdim\@tempdima>\z@
6828             \global\advance\@colroom by-\@tempdima
6829         \fi

```



```

6830         \ifdim\@colroom<\z@
6831             \global\@colroom 1pt
6832             \ifdim\@tempdima>\@colht
6833                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6834                     netelpe lape \thepage (1 stulpelis)}%
6835             \fi
6836             \@emptycol
6837             \if@firstcolumn
6838             \else
6839                 \@emptycol
6840             \fi
6841             \global\@lastvipertrue
6842         \fi
6843     \fi
6844 \fi
6845 \else
6846     \@insertfalse
6847     \@reqcolroom\@colht
6848     \advance\@reqcolroom \@pageht
6849     \ht@viper.5\@reqcolroom
6850     \@reqcolroom\ht@viper
6851     \advance \@reqcolroom \ht@viper
6852     \advance \@reqcolroom \stripsep
6853     \if@flushend@auto@baselineskip
6854         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
6855             \global\lastskip@d\lastskip
6856             \global\lastskip@b\lastskip
6857         \loop
6858             \global\lastskip@a\lastskip@b
6859             \unskip\unpenalty
6860             \global\lastskip@b\lastskip
6861             \global\advance\lastskip@d by\lastskip
6862             \ifdim\lastskip@b=-\lastskip@a
6863                 \global\advance\lastskip@d by-\lastskip
6864             \else
6865                 \repeat
6866             \ifdim\lastskip@b=-\lastskip@a
6867                 \ifdim\lastskip@b=\z@
6868                     \setbox\lastbox@a\lastbox
6869                     \global\advance\lastskip@d by\ht\lastbox@a
6870                     \global\advance\lastskip@d by\lastskip
6871                     \unskip\unpenalty
6872                     \setbox\lastbox@a\lastbox
6873                     \global\advance\lastskip@d by\dp\lastbox@a
6874                 \else
6875                     \global\lastskip@d\lastskip
6876                     \global\advance\lastskip@d by\topskip
6877                 \fi
6878             \fi
6879             \global\advance\lastskip@d by-\topskip

```




```

6880         }%
6881         \ifdim\ht\@holdpg>\@colht
6882         \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
6883         \par\eject
6884         \vbox to \@colht{\unvbox\@holdpg\unskip}}%
6885         }%
6886     \else
6887         \global\setbox\@holdpg\vbox{%
6888         \unvbox\@leftcolumn\unskip\unpenalty
6889         \vskip\lastskip@d
6890         \the\At@ViperColsBreak
6891         \unvbox\@holdpg
6892         \unskip
6893         }%
6894     \fi
6895 \else
6896     \global\setbox\@holdpg\vbox{%
6897         \unvbox\@leftcolumn
6898         \setbox\@tempboxa\lastbox
6899         \on@stripcols@break
6900         \the\At@ViperColsBreak
6901         \unvbox\@holdpg
6902         }%
6903     \fi
6904     \global\At@ViperColsBreak{}%
6905     \ht@viper .5\ht\@holdpg
6906     \ifdim \ht@viper>\@colht
6907         \ht@viper \@colht
6908     \fi
6909     \ifvoid\hold@viper\@tempdima=z\else\@tempdima\ht\hold@viper\fi
6910 %%
6911     \@tempdimb \ht@viper
6912     \loop
6913         \setbox\v@aaa\copy\@holdpg
6914         \setbox\v@ccc\vbox to\@tempdimb{%
6915             \vsplit\v@aaa to\@tempdimb
6916             \vss
6917             \vsplit\v@aaa to\@tempdimb
6918             }%
6919         \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6920     \ifvoid\v@aaa
6921     \else
6922         \advance\@tempdimb 1\p@
6923     \repeat
6924     \loop
6925         \setbox\v@aaa\copy\@holdpg
6926         \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
6927         \wlog{(2)Left:\the\ht\v@ccc\space
6928             Right:\the\ht\v@aaa\space
6929             Output:\the\@tempdimb

```



```

6930         }%
6931     \ifdim\ht\v@ccc<\ht\v@aaa
6932         \@tempdimb \the\ht\v@aaa
6933     \repeat
6934     \wlog{- LAST -^^JLeft:\the\ht\v@ccc
6935             ^^JRight:\the\ht\v@aaa
6936             ^^JOutput:\the\@tempdimb
6937         }%
6938     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
6939     \setbox\@tempboxa\vbox{%
6940         \hb@xt@\textwidth {%
6941             \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6942             \hfil
6943             \vrule \@width\columnseprule
6944             \hfil
6945             \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6946         }%
6947     }%
6948     \ifvoid\hold@viper
6949         \global\setbox\hold@viper \vbox {%
6950             \unvbox\@tempboxa
6951             \penalty\interlinepenalty
6952             \vskip\stripsep
6953             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6954             \outputpenalty \z@
6955         }%
6956     \else
6957         \global\setbox\hold@viper \vbox {%
6958             \unvbox\hold@viper
6959             \unvbox\@tempboxa
6960             \penalty\interlinepenalty
6961             \vskip\stripsep
6962             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6963             \outputpenalty \z@
6964         }%
6965     \fi
6966     \ifdim \@colht>\@reqcolroom
6967         \global\setbox\hold@viper \vbox {%
6968             \unvbox\hold@viper
6969             \box\@viper
6970             \penalty\interlinepenalty
6971             \vskip\stripsep
6972             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6973             \outputpenalty \z@
6974         }%
6975         \@inserttrue
6976         \global\@firstcolumntrue
6977         \advance\@tempdima by-\ht\hold@viper
6978         \global \advance \@colht \@tempdima
6979         \ifdim \@colht<2.5\baselineskip

```



```

6980      \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6981                                too tall on page \thepage (2 stulpelis)}}%
6982      \@emptycol
6983      \if@firstcolumn
6984      \else
6985        \@emptycol
6986      \fi
6987      \global\@lastvipertrue
6988    \else
6989      \global \vsize \colht
6990      \global \@colroom \colht
6991      \check@floats
6992      \ifdim\@tempdima>\z@
6993        \global\advance\@colroom by-\@tempdima
6994      \fi
6995      \ifdim\@colroom<\z@
6996        \global\@colroom 1pt
6997        \ifdim\@tempdima>\colht
6998          \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6999                                netelpa lape \thepage (2 stulpelis)}}%
7000        \fi
7001        \@emptycol
7002        \if@firstcolumn
7003        \else
7004          \@emptycol
7005        \fi
7006        \global\@lastvipertrue
7007      \fi
7008    \fi
7009  \fi
7010 \fi
7011 \if@insert
7012 \else
7013   \advance\@tempdima by-\ht\hold@viper
7014   \global \advance \colht \@tempdima
7015   \global\setbox\hold@viper \vbox {%
7016                                     \unvbox\hold@viper
7017                                     \csname viper@top@hook\endcsname
7018                                     \vsplit\@viper to \colht
7019                                     \vss
7020                                     }%
7021   \vbox{}%
7022   \global\@firstcolumnfalse
7023   \newpage
7024 \fi
7025 }

```

7.46 cvthemebidicasual.sty

```

7026 \NeedsTeXFormat{LaTeX2e}

```



```

7027 \ProvidesPackage{cvthemebidicasual}
7028 \DeclareOption{blue}{}
7029 \newif\if@colourorange\@colourorangefalse
7030 \DeclareOption{orange}{\@colourorange>true}
7031 \newif\if@colourgreen\@colourgreenfalse
7032 \DeclareOption{green}{\@colourgreentrue}
7033 \newif\if@coloured\@colouredfalse
7034 \DeclareOption{red}{\@colouredtrue}
7035 \newif\if@colourgrey\@colourgreyfalse
7036 \DeclareOption{grey}{\@colourgreytrue}
7037 \DeclareOption*{
7038   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
7039 \ExecuteOptions{colour}
7040 \ProcessOptions\relax
7041 \renewcommand*{\listitemsymbol}{\textbullet}
7042 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7043 \familynamecolour{808080}
7044 \firstnamecolour{A9A9A9}
7045 \quotecolour{696969}
7046 \addresscolour{696969}
7047 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7048 \sectiontitlecolour{1E90FF}
7049 \subsectioncolour{4682B4}
7050 \definecolor{rulecolour}{gray}{0.6}
7051 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7052 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7053 \if@colourorange
7054   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7055   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7056   \sectiontitlecolour{FF8C00}
7057   \subsectioncolour{FF8C00}
7058   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7059   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7060 \if@colourgreen
7061   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7062   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7063   \sectiontitlecolour{008000}
7064   \subsectioncolour{008000}
7065   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7066   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7067 \if@coloured
7068   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7069   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7070   \sectiontitlecolour{FF0000}
7071   \subsectioncolour{FF0000}
7072   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7073   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7074 \if@colourgrey
7075   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7076   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}

```



```

7077 \sectiontitlecolour{808080}
7078 \subsectioncolour{808080}
7079 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7080 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7081 \renewcommand*{\ttdefault}{pcr}
7082 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7083 \renewcommand*{\familynamefont}{\firstnamefont}
7084 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7085 \renewcommand*{\quoteont}{\large\slshape}
7086 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7087 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7088 \renewcommand*{\maketitle}{%
7089   {%
7090     \ifthenelse{\isundefined{\@photo}}{%
7091       {}%
7092       {\color{firstnamedcolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7093       \hfill%
7094       \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7095       {\color{firstnamedcolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7096     \ifthenelse{\isundefined{\@quote}}{%
7097       {}%
7098       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.
7099     }%
7100 \newif\if@firstfooterelement\@firstfooterelementtrue
7101 \providecommand*{\footersymbol}{%
7102 \renewcommand*{\footersymbol}{%
7103   \if@firstfooterelement%
7104   \else%
7105     {~~\color{footersymbolcolor}\textbullet~~}\fi}
7106 \providecommand*{\makefooter}{%
7107 \renewcommand*{\makefooter}{%
7108   \fancypagestyle{plain}{%
7109     \fancyfoot[c]{%
7110       \parbox{0.8\textwidth}{%
7111         \centering%
7112         \addressfont\@addresscolour%
7113         \ifthenelse{\isundefined{\@address}}{\}{%
7114           \addresssymbol~\@address\\%
7115           \@firstfooterelementfalse}%
7116         \ifthenelse{\isundefined{\@mobile}}{\}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7117         \ifthenelse{\isundefined{\@phone}}{\}{\footersymbol\phonesymbol~\@phone\@firstfooterelemen
7118         \ifthenelse{\isundefined{\@fax}}{\}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}
7119         \ifthenelse{\isundefined{\@email}}{\}{\footersymbol\emailsymbol~\emailink{\@email}\@first
7120         \ifthenelse{\isundefined{\@extrainfo}}{\}{\footersymbol\@extrainfo\@firstfooterelementfalse}
7121       }%
7122     \pagestyle{plain}}
7123 \AtBeginDocument{\makefooter}

```

7.47 cvthemebidiclassic.sty



```

7124 \NeedsTeXFormat{LaTeX2e}
7125 \ProvidesPackage{cvthemebidiclassic}
7126 \DeclareOption{blue}{\}
7127 \newif\if@colourorange\@colourorangefalse
7128 \DeclareOption{orange}{\@colourorange>true}
7129 \newif\if@colourgreen\@colourgreenfalse
7130 \DeclareOption{green}{\@colourgreentrue}
7131 \newif\if@colourred\@colourredfalse
7132 \DeclareOption{red}{\@colourred>true}
7133 \newif\if@colourgrey\@colourgreyfalse
7134 \DeclareOption{grey}{\@colourgrey>true}
7135 \DeclareOption*{
7136   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7137 \ExecuteOptions{colour}
7138 \ProcessOptions\relax
7139 \renewcommand*{\listitemsymbol}{\textbullet}
7140 \firstnamecolour{}
7141 \familynamecolour{}
7142 \titlecolour{808080}
7143 \quotecolour{696969}
7144 \addresscolour{696969}
7145 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7146 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7147 \sectiontitlecolour{1E90FF}
7148 \subsectioncolour{4682B4}
7149 \if@colourorange
7150   \addresscolour{FF8C00}
7151   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7152   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7153   \sectiontitlecolour{FF8C00}
7154   \subsectioncolour{FF8C00}\fi
7155 \if@colourgreen
7156   \addresscolour{008000}
7157   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7158   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7159   \sectiontitlecolour{008000}
7160   \subsectioncolour{008000}\fi
7161 \if@colourred
7162   \addresscolour{FF0000}
7163   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7164   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7165   \sectiontitlecolour{FF0000}
7166   \subsectioncolour{FF0000}\fi
7167 \if@colourgrey
7168   \addresscolour{808080}
7169   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7170   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7171   \sectiontitlecolour{808080}
7172   \subsectioncolour{808080}\fi
7173 \renewcommand*{\ttdefault}{pcr}

```



```

7174 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7175 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7176 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7177 \renewcommand*{\familynamefont}{\firstnamefont}
7178 \renewcommand*{\quote font}{\large\slshape}
7179 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7180 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7181 \newlength{\maketitlenamemaxwidth}
7182 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7183 \newlength{\maketitlenamewidth}
7184 \setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}
7185 \newlength{\maketitlepicturewidth}
7186 \setlength{\maketitlepicturewidth}{\maketitlenamewidth}
7187 \newlength{\maketitledetailswidth}
7188 \setlength{\maketitledetailswidth}{\maketitlepicturewidth}
7189 \renewcommand*{\recomputethemelengths}{%
7190 \setlength{\maketitledetailswidth}{\textwidth}%
7191 \addtolength{\maketitledetailswidth}{-\maketitlenamewidth}%
7192 \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
7193 \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}%
7194 \recomputethemelengths}
7195 \newif\if@firstdetailselement\@firstdetailselementtrue
7196 \newcommand*{\maketitledetailsnewline}{%
7197 \if@firstdetailselement%
7198 \@firstdetailselementfalse%
7199 \else%
7200 \\\[.2em]\fi}
7201 \renewcommand*{\maketitle}{%
7202 % name and title
7203 \begin{minipage}[b]{\maketitlenamewidth}%
7204 \firstnamefont{\@firstname~}\familynamefont{\@familyname}%
7205 \ifthenelse{\equal{\@title}{}}{\\\[1.25em]\titlefont{\@title}}%
7206 \end{minipage}%
7207 % optional data
7208 \begin{minipage}[b]{\maketitledetailswidth}%
7209 \bidi@raggedleft\addressfont\@addresscolour%
7210 \ifthenelse{\isundefined{\@address}}{\%
7211 \maketitledetailsnewline%
7212 \addresssymbol~\@address}%
7213 \ifthenelse{\isundefined{\@mobile}}{\%
7214 \maketitledetailsnewline\mobilesymbol~\@mobile}%
7215 \ifthenelse{\isundefined{\@phone}}{\%
7216 \maketitledetailsnewline\phonesymbol~\@phone}%
7217 \ifthenelse{\isundefined{\@fax}}{\%
7218 \maketitledetailsnewline\faxsymbol~\@fax}%
7219 \ifthenelse{\isundefined{\@email}}{\%
7220 \maketitledetailsnewline\emailsymbol~\@email}%
7221 \ifthenelse{\isundefined{\@extrainfo}}{\%
7222 \maketitledetailsnewline\@extrainfo}%
7223 \end{minipage}%
7224 % optional photo
7225 \ifthenelse{\isundefined{\@photo}}{\%
7226 \\\[.2em]\fi}
7227 \hspace*{\separatorcolumnwidth}\color{firstnamedcolor}\framebox{\includegraphics[width=\maketitlepicturewidth]{\@photo}}

```



```

7224 % optional quote
7225 \ifthenelse{\isundefined{\@quote}}{%
7226   }%
7227   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}}\[2.
7228 }

```

7.48 dblfnote-xetex-bidi.def

```

7229 \ProvidesFile{dblnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for
7230 \let\autofooterule\relax
7231 \let\rightfootnoterule\relax
7232 \let\leftfootnoterule\relax
7233 \let\textwidthfootnoterule\relax
7234 \let\LRfootnoterule\relax
7235 \def\footnoterule{\kern-3\p@
7236   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7237 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7238 \let\@footnotetext\dfn@footnotetext}
7239 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
7240   \let\insert\dfn@gobble
7241   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7242   \def\@makefnmark{\smash{\dfn@makefnmark}}
7243   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7244   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7245   \ifdim\dfn@dima>\z@else
7246     \dfn@dima1sp\relax
7247     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7248   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7249     \ifvoid\dfn@ins\else
7250       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7251     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7252   \setbox\dfn@boxa\copy\dfn@ins
7253   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7254   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7255   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7256   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}}%
7257   \xdef\dfn@list{\dfn@list\@elt{number\dfn@dima}{number\@tempdima}}}}
7258 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7259 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7260 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7261   \let\insert\dfn@gobble
7262   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7263   \def\@makefnmark{\smash{\dfn@makefnmark}}
7264   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7265   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7266   \ifdim\dfn@dima>\z@else
7267     \dfn@dima1sp\relax
7268     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7269   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7270     \ifvoid\dfn@ins\else

```




```

7271 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7272 \ifdfn@allowbreak \unvbox \else \box \fi \dfn@boxa}%
7273 \setbox\dfn@boxa\copy\dfn@ins
7274 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7275 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7276 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7277 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7278 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7279 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7280 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7281 \def\dfn@RTLmakecol{\ifvoid\footins\else
7282 \dfn@dima\ht\footins
7283 \@tempcnta\z@ \dfn@countins
7284 \@tempdima\z@ \let\@elt\dfn@elt@getht
7285 \dfn@list\@nil
7286 \ifdim\@tempdima=\z@\else
7287 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7288 \global\setbox\dfn@ins\box\dfn@ins
7289 \@tempswatrue
7290 \ifdfn@trysingle
7291 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7292 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7293 \advance\@tempdima-\skip\footins
7294 \advance\@tempdima-\ht\dfn@boxa
7295 \ifdim\@tempdima<\z@\else \@tempswafalse
7296 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7297 \footnoterule \unvbox\dfn@boxa}\fi\fi
7298 \if@tempswa
7299 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7300 \global\setbox\footins\vbox{\hbox{%
7301 \hskip \DFNcolumnwidth
7302 \hskip\DFNcolumnsep
7303 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7304 \unvbox\dfn@boxb\vss}\hss}
7305 \hskip -\textwidth
7306 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7307 \vbox to\@tempdima{
7308 \setbox\@tempboxa\vbox{\footnoterule}
7309 \ifdfn@ruleboth \unvbox\@tempboxa
7310 \else \@tempdima\ht\@tempboxa
7311 \advance\@tempdima\dp\@tempboxa
7312 \vskip\@tempdima
7313 \prevdepth\dp\@tempboxa \fi
7314 \unvbox\dfn@boxa\vss}\fi\hss}
7315 \hskip \DFNcolumnsep
7316 \hskip \DFNcolumnwidth}}}\fi\fi
7317 \global\dfn@fnht\z@
7318 \ifx\dfn@list\@empty\else
7319 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7320 \dfn@list \global\advance\dfn@fnht\dfn@dimb

```



```

7321 \let\@elt\relax
7322 \ifdim\dfn@dimb>\z@
7323 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7324 \insert\footins{\floatingpenalty\@MM
7325 \vbox to\dfn@dimb{}}\fi
7326 \ifdim\dfn@fnht>\@tempdima
7327 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7328 \global\dfn@fnht\@tempdima
7329 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7330 \xdef\dfn@afteroutput{\insert\footins{
7331 \floatingpenalty\@MM
7332 \vbox to\number\@tempdimb sp{}}%
7333 \global\let\noexpand\dfn@afteroutput\relax}%
7334 \fi\fi
7335 \fi}%
7336 \let\footnoterule\relax \dfn@latex@makecol
7337 \let\footnoterule\dfn@footnoterule}
7338 \def\dfn@LTRmakecol{{\ifvoid\footins\else
7339 \dfn@dima\ht\footins
7340 \@tempcnta\z@ \dfn@countins
7341 \@tempdima\z@ \let\@elt\dfn@elt@getht
7342 \dfn@list\@nil
7343 \ifdim\@tempdima=\z@\else
7344 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7345 \global\setbox\dfn@ins\box\dfn@ins
7346 \@tempswatrue
7347 \ifdfn@trysingle
7348 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7349 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7350 \advance\@tempdima\skip\footins
7351 \advance\@tempdima-\ht\dfn@boxa
7352 \ifdim\@tempdima<\z@\else \@tempswafalse
7353 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7354 \footnoterule \unvbox\dfn@boxa}\fi\fi
7355 \if@tempswa
7356 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7357 \global\setbox\footins\vbox{\hbox{%
7358 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7359 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7360 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7361 \vbox to\@tempdima{
7362 \setbox\@tempboxa\vbox{\footnoterule}
7363 \ifdfn@ruleboth \unvbox\@tempboxa
7364 \else \@tempdima\ht\@tempboxa
7365 \advance\@tempdima\dp\@tempboxa
7366 \vskip\@tempdima
7367 \prevdepth\dp\@tempboxa \fi
7368 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7369 \global\dfn@fnht\z@
7370 \ifx\dfn@list\@empty\else

```



```

7371 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7372 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7373 \let\@elt\relax
7374 \ifdim\dfn@dimb>\z@
7375 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7376 \insert\footins{\floatingpenalty\@MM
7377 \vbox to\dfn@dimb{}}\fi
7378 \ifdim\dfn@fnht>\@tempdima
7379 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7380 \global\dfn@fnht\@tempdima
7381 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7382 \xdef\dfn@afteroutput{\insert\footins{
7383 \floatingpenalty\@MM
7384 \vbox to\number\@tempdimb sp{}}%
7385 \global\let\noexpand\dfn@afteroutput\relax}%
7386 \fi\fi
7387 \fi}%
7388 \let\footnoterule\relax \dfn@latex@makecol
7389 \let\footnoterule\dfn@footnoterule}
7390 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7391 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7392 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7393 \DFNalwaysdouble

```

7.49 draftwatermark-xetex-bidi.def

```

7394 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar
7395 \renewcommand\SetWatermarkText[1]{%
7396 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.50 eso-pic-xetex-bidi.def

```

7397 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for X
7398 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7399 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}%
7400
7401 \ESO@isMEMOIR{%
7402 \renewcommand\AtTextUpperLeft[1]{%
7403 \begingroup
7404 \ifodd\c@page
7405 \@tempdima=\spinemargin
7406 \else
7407 \@tempdima=\paperwidth
7408 \advance\@tempdima-\textwidth
7409 \advance\@tempdima-\spinemargin
7410 \fi
7411 \@tempdimb=-\uppermargin
7412 \AtPageUpperLeft{%
7413 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7414 }%
7415 \endgroup

```



```

7416 }
7417 }{
7418 \renewcommand\AtTextUpperLeft[1]{
7419 \beginingroup
7420 \@tempdima=1in\relax
7421 \ifodd\c@page
7422 \advance\@tempdima\oddsidemargin
7423 \else
7424 \advance\@tempdima\evensidemargin
7425 \fi
7426 \@tempdimb=-1in\relax
7427 \advance\@tempdimb-\topmargin
7428 \advance\@tempdimb-\headheight
7429 \advance\@tempdimb-\headsep
7430 \AtPageUpperLeft{
7431 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7432 }%
7433 \endgroup
7434 }
7435 }

```

7.51 empheq-xetex-bidi.def

```

7436 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
7437 \MHInternalSyntaxOn
7438 \def\EQ_tag_plus_endmark:{
7439 \iftagsleft@
7440 \gdef\maketag@@@##1{
7441 \hfuzz\displaywidth
7442 \if@RTL\makebox[\widthof{##1}][r]{
7443 \hbox to \displaywidth{\m@th\normalfont##1\hss
7444 \raisebox{-\dp\EQ_mathdisplay_box
7445 -\depthof{\EQ_outherbox:}}{
7446 {\PotEndMark{\hss}}}}
7447 \else\makebox[\widthof{##1}][l]{
7448 \hbox to \displaywidth{\m@th\normalfont##1\hss
7449 \raisebox{-\dp\EQ_mathdisplay_box
7450 -\depthof{\EQ_outherbox:}}{
7451 {\PotEndMark{\hss}}}}\fi}
7452 \else:
7453 \gdef\maketag@@@##1{
7454 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{
7455 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
7456 \MH_addtolength:dn \@tempdima
7457 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7458 \setlength{\@tempdimb}
7459 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outherbox:}}
7460 +\depthof{\EQ_innerbox:}}
7461 \if_dim:w \@tempdima>\@tempdimb
7462 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box

```



```

7463         -\@tempdima+\g_EQ_bottomrow_depth_dim}
7464         \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
7465         \def\EQ_next:{\raisebox{\@tempdima}}%
7466     \else:
7467         \def\EQ_next:{
7468             \raisebox{-\dp\EQ_mathdisplay_box
7469                 -\depthof{\EQ_outerbox:}}}%
7470         \fi:\EQ_next:}}}%
7471     \fi:}
7472 \def\EQ_post_process:{%
7473     \EQ_initialize:
7474     \EQ_begin_equation:
7475     \MH_if_boolean:nT {outer_mult}{
7476         \setkeys{\MT_options_name:}{
7477             firstline-afterskip=0pt,
7478             lastline-preskip=0pt,
7479             multlined-width=0pt,
7480         }
7481         \ifodd \l_EQ_alignmentmode_int
7482             \setkeys{\MT_options_name:}{multlined-pos=b}
7483         \else:
7484             \setkeys{\MT_options_name:}{multlined-pos=t}
7485         \fi:
7486         \g@addto@macro\EQ_complete_mathdisplay:{
7487             \begin{MTmultlined}\relax
7488         }
7489         \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7490         \MH_if_boolean:nT {outer_mult}{
7491             \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7492         }
7493     \EQ_end_equation:
7494     \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7495     \savecounters@
7496     \EQ_typeset_tags:
7497     \edef\l_EQ_equation_fint{\number\c@equation}
7498     \restorecounters@
7499     \Hy@linkcounter=\EQ_hyperref_link_fint
7500     \settowidth\l_EQ_totalwidth_dim{%
7501         $\EQ_left_side:\EQ_innerbox:}\EQ_right_side:$}%
7502     \MH_if_boolean:nTF {outer_mult}
7503     { \def\EQ_next:{_mult} }
7504     { \def\EQ_next:{} }
7505     \@nameuse{EQ_modify_linewidth_
7506         \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7507     \EQ_typeset_display:
7508     \@nameuse{find_displaywidth_
7509         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7510     \MH_addtolength:dn
7511         \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7512     \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%

```



```

7513 $\EQ_left_side:
7514 \EQ_innerbox:{%
7515   \if_case:w \l_EQ_alignmentmode_int\or:
7516     \makebox[\l_EQ_displaywidth_dim][c]
7517     {\usebox{\EQ_mathdisplay_box}}%
7518   \or:
7519     \makebox[\l_EQ_displaywidth_dim][c]
7520     {\usebox{\EQ_mathdisplay_box}}%
7521   \or:
7522     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7523       \if_num:w \l_EQ_equationtype_int=5 \else:
7524         \if_num:w \l_EQ_equationtype_int=6 \else:
7525           \kern-\@mathmargin
7526         \fi:
7527       \fi:
7528       \usebox{\EQ_mathdisplay_box}}%
7529     \else\makebox[\l_EQ_displaywidth_dim][l]{%
7530       \if_num:w \l_EQ_equationtype_int=5 \else:
7531         \if_num:w \l_EQ_equationtype_int=6 \else:
7532           \kern-\@mathmargin
7533         \fi:
7534       \fi:
7535       \usebox{\EQ_mathdisplay_box}}\fi%
7536   \or:
7537     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7538       \if_num:w \l_EQ_equationtype_int=5 \else:
7539         \if_num:w \l_EQ_equationtype_int=6 \else:
7540           \kern-\@mathmargin
7541         \fi:
7542       \fi:
7543       \usebox{\EQ_mathdisplay_box}}
7544     \else\makebox[\l_EQ_displaywidth_dim][l]{%
7545       \if_num:w \l_EQ_equationtype_int=5 \else:
7546         \if_num:w \l_EQ_equationtype_int=6 \else:
7547           \kern-\@mathmargin
7548         \fi:
7549       \fi:
7550       \usebox{\EQ_mathdisplay_box}}\fi%
7551   \fi:}%
7552 \EQ_right_side:$}%
7553 \begin{AmSequation*}
7554 \@nameuse{EQ_place_display_
7555   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7556 \if_dim:w \g_EQ_widesttag_dim>\z@
7557 \MH_set_boolean_T:n {show_manual_tags}
7558 \if_case:w \l_EQ_alignmentmode_int
7559 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
7560 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
7561 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7562 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4

```



```

7563 \fi:
7564 \fi:
7565 \end{AmSequation*}
7566 \global\c@equation=\l_EQ_equation_fint\relax
7567 }
7568 \AtBeginDocument{%
7569 \ifpackageloaded{fancybox}{%
7570 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7571 {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
7572 \renewcommand*{\shadowbox{%
7573 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
7574 \VerbBox\EQ_shadowbox:n}
7575 {\MH_set_boolean_F:n {shadowbox_star}
7576 \VerbBox\EQ_shadowbox:n}}
7577 \def\EQ_shadowbox:n #1{%
7578 \sbox{z@}{\fbox{#1}}%
7579 \MH_if_boolean:nTF {shadowbox_star}{
7580 \MH_setlength:dn \@tempdima{z@}%
7581 }{
7582 \MH_setlength:dn \@tempdima{\dp z@+\shadowsize}%
7583 }
7584 \raisebox{\@tempdima}{%
7585 \if@RTL\makebox[z@][r]{%
7586 \kern\shadowsize \textcolor{shadowcolor}{%
7587 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}%
7588 }%
7589 \else\makebox[z@][l]{%
7590 \kern\shadowsize \textcolor{shadowcolor}{%
7591 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}%
7592 }%
7593 \usebox z@\textcolor{shadowcolor}{%
7594 \rule[-\dp z@-\shadowsize]{\shadowsize}{\ht z@+\dp z@}}}%
7595 }{}%
7596 }
7597 \MHInternalSyntaxOff

```

7.52 extarticle-xetex-bidi.def

```

7598 \ProvidesFile{extarticle-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for extarticle class]
7599 \renewcommand*{\l@section[2]}{%
7600 \ifnum \c@tocdepth >z@
7601 \addpenalty\@secpenalty
7602 \addvspace{1.0em \@plus\p@}%
7603 \setlength\@tempdima{1.5em}%
7604 \begingroup
7605 \parindent z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7606 \parfillskip -\@pnumwidth
7607 \leavevmode \bfseries
7608 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
7609 \hskip -\if@RTL\rightskip\else\leftskip\fi

```



```

7610      #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7611      \endgroup
7612    \fi}
7613    \renewcommand*\l@part[2]{%
7614    \ifnum \c@tocdepth >-2\relax
7615      \addpenalty\@secpenalty
7616      \addvspace{2.25em \@plus\p@}%
7617      \begingroup
7618        \setlength\@tempdima{3em}%
7619        \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7620        \parfillskip -\@pnumwidth
7621        {\leavevmode
7622         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7623        \nobreak
7624      \endgroup
7625    \fi}
7626    \def\@part[#1]#2{%
7627      \ifnum \c@secnumdepth >\m@ne
7628        \refstepcounter{part}%
7629        \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7630      \else
7631        \addcontentsline{toc}{part}{#1}%
7632      \fi
7633      {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7634       \interlinepenalty \@M
7635       \normalfont
7636       \ifnum \c@secnumdepth >\m@ne
7637         \Large\bfseries \partname~\thepart
7638         \par\nobreak
7639       \fi
7640       \huge \bfseries #2%
7641       \markboth{}{}\par}%
7642      \nobreak
7643      \vskip 3ex
7644      \@afterheading}
7645    \def\@spart#1{%
7646      {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7647       \interlinepenalty \@M
7648       \normalfont
7649       \huge \bfseries #1\par}%
7650      \nobreak
7651      \vskip 3ex
7652      \@afterheading}
7653    \renewenvironment{thebibliography}[1]
7654      {\section*{\refname
7655        \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7656        \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7657        \list{\@biblabel{\@arabic\c@enumiv}}%
7658        {\settowidth\labelwidth{\@biblabel{#1}}%
7659         \leftmargin\labelwidth

```




```

7660         \advance\leftmargin\labelsep
7661         \@openbib@code
7662         \usecounter{enumiv}%
7663         \let\p@enumiv\@empty
7664         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7665     \sloppy\clubpenalty4000\widowpenalty4000%
7666     \sfcode`.\@m}
7667     {\def\@noitemerr
7668      {\@latex@warning{Empty `thebibliography' environment}}}%
7669     \endlist}
7670 \renewcommand\left@footnoterule{%
7671   \kern-3\p@
7672   \hrule\@width.4\columnwidth
7673   \kern2.6\p@}
7674 \renewcommand\right@footnoterule{%
7675   \kern-3\p@
7676   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7677   \kern2.6\p@}
7678   \if@titlepage
7679   \renewcommand\maketitle{\begin{titlepage}%
7680     \let\footnotesize\small
7681     \let\right@footnoterule\relax
7682     \let\left@footnoterule\relax
7683     \let\textwidth\footnoterule\relax
7684     \let \footnote \thanks
7685     \null\vfil
7686     \vskip 60\p@
7687     \begin{center}%
7688       {\LARGE \@title \par}%
7689       \vskip 3em%
7690       {\large
7691         \lineskip .75em%
7692         \begin{tabular}[t]{c}%
7693           \@author
7694           \end{tabular}\par}%
7695       \vskip 1.5em%
7696       {\large \@date \par}%           % Set date in \large size.
7697     \end{center}\par
7698     \@thanks
7699     \vfil\null
7700   \end{titlepage}%
7701   \setcounter{footnote}{0}%
7702   \global\let\thanks\relax
7703   \global\let\maketitle\relax
7704   \global\let\@thanks\@empty
7705   \global\let\@author\@empty
7706   \global\let\@date\@empty
7707   \global\let\@title\@empty
7708   \global\let\title\relax
7709   \global\let\author\relax

```



```

7710 \global\let\date\relax
7711 \global\let\and\relax
7712 }
7713 \else
7714 \renewcommand\maketitle{\par
7715 \begin{group}
7716   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7717   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7718   \long\def\@makefnmark##1{\parindent 1em\noindent
7719     \hb@xt@1.8em{\%
7720       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7721   \if@twocolumn
7722     \ifnum \col@number=\@ne
7723       \@maketitle
7724     \else
7725       \twocolumn[\@maketitle]%
7726     \fi
7727   \else
7728     \newpage
7729     \global\@topnum\z@ % Prevents figures from going at top of page.
7730     \@maketitle
7731   \fi
7732   \thispagestyle{plain}\@thanks
7733 \end{group}
7734 \setcounter{footnote}{0}%
7735 \global\let\thanks\relax
7736 \global\let\maketitle\relax
7737 \global\let\@maketitle\relax
7738 \global\let\@thanks\@empty
7739 \global\let\@author\@empty
7740 \global\let\@date\@empty
7741 \global\let\@title\@empty
7742 \global\let\title\relax
7743 \global\let\author\relax
7744 \global\let\date\relax
7745 \global\let\and\relax
7746 }
7747 \def\@maketitle{%
7748   \newpage
7749   \null
7750   \vskip 2em%
7751   \begin{center}%
7752     \let \footnote \thanks
7753     {\LARGE \@title \par}%
7754     \vskip 1.5em%
7755     {\large
7756       \lineskip .5em%
7757       \begin{tabular}[t]{c}%
7758         \@author
7759         \end{tabular}\par}%

```



```

7760 \vskip 1em%
7761 {\large \@date}%
7762 \end{center}%
7763 \par
7764 \vskip 1.5em}
7765 \fi
7766 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
7767 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7768 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7769 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

7.53 extbook-xetex-bidi.def

```

7770 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
7771 \if@titlepage
7772 \renewcommand\maketitle{\begin{titlepage}%
7773 \let\footnotesize\small
7774 \let\right@footnoterule\relax
7775 \let\left@footnoterule\relax
7776 \let\textwidth@footnoterule\relax
7777 \let \footnote \thanks
7778 \let \LTRfootnote \LTRthanks
7779 \let \RTLfootnote \RTLthanks
7780 \null\vfil
7781 \vskip 60\p@
7782 \begin{center}%
7783 {\LARGE \@title \par}%
7784 \vskip 3em%
7785 {\large
7786 \lineskip .75em%
7787 \begin{tabular}[t]{c}%
7788 \@author
7789 \end{tabular}\par}%
7790 \vskip 1.5em%
7791 {\large \@date \par}% % Set date in \large size.
7792 \end{center}\par
7793 \@thanks
7794 \vfil\null
7795 \end{titlepage}%
7796 \setcounter{footnote}{0}%
7797 \global\let\thanks\relax
7798 \global\let\LTRthanks\relax
7799 \global\let\RTLthanks\relax
7800 \global\let\maketitle\relax
7801 \global\let\@thanks\@empty
7802 \global\let\@author\@empty
7803 \global\let\@date\@empty
7804 \global\let\@title\@empty
7805 \global\let\title\relax
7806 \global\let\author\relax

```



```

7807 \global\let\date\relax
7808 \global\let\and\relax
7809 }
7810 \else
7811 \renewcommand\maketitle{\par
7812 \begin{group}
7813 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7814 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7815 \long\def\@makefnmark##1{\parindent 1em\noindent
7816 \hbox{##1.8em}%
7817 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7818 \if@twocolumn
7819 \ifnum \col@number=\@ne
7820 \@maketitle
7821 \else
7822 \twocolumn[\@maketitle]%
7823 \fi
7824 \else
7825 \newpage
7826 \global\@topnum\z@ % Prevents figures from going at top of page.
7827 \@maketitle
7828 \fi
7829 \thispagestyle{plain}\@thanks
7830 \endgroup
7831 \setcounter{footnote}{0}%
7832 \global\let\thanks\relax
7833 \global\let\LTRthanks\relax
7834 \global\let\RTLthanks\relax
7835 \global\let\maketitle\relax
7836 \global\let\@maketitle\relax
7837 \global\let\@thanks\@empty
7838 \global\let\@author\@empty
7839 \global\let\@date\@empty
7840 \global\let\@title\@empty
7841 \global\let\title\relax
7842 \global\let\author\relax
7843 \global\let\date\relax
7844 \global\let\and\relax
7845 }
7846 \def\@maketitle{%
7847 \newpage
7848 \null
7849 \vskip 2em%
7850 \begin{center}%
7851 \let \footnote \thanks
7852 \let \LTRfootnote \LTRthanks
7853 \let \RTLfootnote \RTLthanks
7854 {\LARGE \@title \par}%
7855 \vskip 1.5em%
7856 {\large

```



```

7857 \lineskip .5em%
7858 \begin{tabular}[t]{c}%
7859 \@author
7860 \end{tabular}\par}%
7861 \vskip 1em%
7862 {\large \@date}%
7863 \end{center}%
7864 \par
7865 \vskip 1.5em}
7866 \fi
7867 \renewcommand*{\l@part[2]{%
7868 \ifnum \c@tocdepth >-2\relax
7869 \addpenalty{-\@highpenalty}%
7870 \addvspace{2.25em \@plus\p@}%
7871 \begingroup
7872 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7873 \parfillskip -\@pnumwidth
7874 {\leavevmode
7875 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7876 \nobreak
7877 \global\@nbreaktrue
7878 \everypar{\global\@nbreakfalse\everypar{}}%
7879 \endgroup
7880 \fi}
7881 \renewcommand\theequation
7882 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7883 \renewcommand\thefigure
7884 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7885 \renewcommand\thetable
7886 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7887 \renewcommand\thechapter {\@arabic\c@chapter}
7888 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
7889 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7890 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
7891 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7892 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
7893 \def\@makechapterhead#1{%
7894 \vspace*{50\p@}%
7895 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7896 \ifnum \c@secnumdepth >\m@ne
7897 \if@mainmatter
7898 \huge\bfseries \@chapapp\space \thechapter
7899 \par\nobreak
7900 \vskip 20\p@
7901 \fi
7902 \fi
7903 \interlinepenalty\@M
7904 \Huge \bfseries #1\par\nobreak
7905 \vskip 40\p@
7906 }}

```



```

7907
7908 \def\@makeschapterhead#1{%
7909   \vspace*{50\p@}%
7910   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7911     \normalfont
7912     \interlinepenalty\@M
7913     \Huge \bfseries #1\par\nobreak
7914     \vskip 40\p@
7915   }}
7916 \renewcommand\backmatter{%
7917   \if@openright
7918     \cleardoublepage
7919   \else
7920     \clearpage
7921   \fi
7922   \@mainmatterfalse}
7923 \renewenvironment{thebibliography}[1]
7924   {\chapter*{\bibname
7925     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
7926   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7927   \list{\@biblabel{\@arabic\c@enumiv}}%
7928     {\settowidth\labelwidth{\@biblabel{#1}}%
7929     \leftmargin\labelwidth
7930     \advance\leftmargin\labelsep
7931     \@openbib@code
7932     \usecounter{enumiv}%
7933     \let\p@enumiv\@empty
7934     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7935   \sloppy
7936   \clubpenalty4000
7937   \@clubpenalty \clubpenalty
7938   \widowpenalty4000%
7939   \sfcode`.\@m}
7940   {\def\@noitemerr
7941     {\@latex@warning{Empty `thebibliography' environment}}}%
7942   \endlist}

```

7.54 extletter-xetex-bidi.def

```

7943 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class for
7944 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
7945   \thispagestyle{firstpage}%
7946   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
7947 \else % home address
7948   \thispagestyle{empty}%
7949   {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
7950     \fromaddress \*[2\parskip]%
7951     \@date \end{tabular}\par}%
7952 \fi
7953 \vspace{2\parskip}%

```



```

7954 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
7955 \vspace{2\parskip}%
7956 #1\par\nobreak}
7957 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
7958 \stopbreaks
7959 \noindent
7960 \ifx\@empty\fromaddress\else
7961 \hspace*{\longindentation}\fi
7962 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
7963 \ignorespaces #1\ [6\medskipamount]}%
7964 \ifx\@empty\fromsig
7965 \fromname
7966 \else \fromsig \fi\strut}%
7967 \par}
7968 \renewcommand\left@footnoterule{%
7969 \kern-\p@
7970 \hrule \@width .4\columnwidth
7971 \kern .6\p@}
7972 \renewcommand\right@footnoterule{%
7973 \kern-\p@
7974 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7975 \kern .6\p@}

```

7.55 extrafootnotefeatures-xetex-bidi.def

```

7976 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2015/11/23 v0.7 bidi extra footnote features]
7977 \let\autofootnoterule\relax
7978 \let\rightfootnoterule\relax
7979 \let\leftfootnoterule\relax
7980 \let\textwidthfootnoterule\relax
7981 \let\LRfootnoterule\relax
7982 \def\footnoterule{\kern-3\p@
7983 \hrule \@width \columnwidth \kern 2.6\p@}
7984 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
7985 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
7986 \renewcommand{\@footnotetext}[1]{%
7987 \insert\footins{%
7988 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7989 \def\baselinestretch{\m@m@footnote@spacing}%
7990 \reset@font
7991 \foottextfont
7992 \@preamfntext
7993 \hsize\columnwidth
7994 \protected@edef\@currentlabel{%
7995 \csname p@footnote\endcsname\@thefnmark}%
7996 \color@begingroup
7997 \@makefntext{%
7998 \rule{z@footnotesep}{\ignorespaces\foottextfont #1}%
7999 \@finalstrut\strutbox}%
8000 \color@endgroup}%

```



```

8001      \m@mmf@prepare}
8002 \renewcommand{\@RTLfootnotetext}[1]{%
8003     \insert\footins{%
8004     \@RTLtrue%
8005     \def\baselinestretch{\m@m@footnote@spacing}%
8006     \reset@font
8007     \RTLfoottextfont
8008     \@preamfntext
8009     \hsize\columnwidth
8010     \protected@edef\@currentlabel{%
8011         \csname p@footnote\endcsname\@thefnmark}%
8012     \color@begingroup
8013     \@makefntext{%
8014         \rule{z@footnotesep}{\ignorespaces{\RTLfoottextfont #1}%
8015         \@finalstrut\strutbox}%
8016     \color@endgroup}%
8017     \m@mmf@prepare}
8018 \renewcommand{\@LTRfootnotetext}[1]{%
8019     \insert\footins{%
8020     \@RTLfalse%
8021     \def\baselinestretch{\m@m@footnote@spacing}%
8022     \reset@font
8023     \LTRfoottextfont
8024     \@preamfntext
8025     \hsize\columnwidth
8026     \protected@edef\@currentlabel{%
8027         \csname p@footnote\endcsname\@thefnmark}%
8028     \color@begingroup
8029     \@makefntext{%
8030         \rule{z@footnotesep}{\ignorespaces{\LTRfoottextfont #1}%
8031         \@finalstrut\strutbox}%
8032     \color@endgroup}%
8033     \m@mmf@prepare}
8034 \renewcommand{\@mpfootnotetext}[1]{%
8035 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8036     \unvbox\@mpfootins
8037     \def\baselinestretch{\m@m@footnote@spacing}%
8038     \foottextfont \hsize\columnwidth \@parboxrestore
8039     \protected@edef\@currentlabel{%
8040         \csname p@mpfootnote\endcsname\@thefnmark}%
8041     \color@begingroup
8042     \reset@font%
8043     \@makefntext{%
8044         \rule{z@footnotesep}{\ignorespaces{\foottextfont #1}%
8045         \@finalstrut\strutbox}%
8046     \color@endgroup}}
8047 \renewcommand{\@mpLTRfootnotetext}[1]{%
8048 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8049     \unvbox\@mpfootins
8050     \def\baselinestretch{\m@m@footnote@spacing}%

```




```

8051 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8052 \protected@edef\@currentlabel{%
8053 \csname p@mpfootnote\endcsname\@thefnmark}%
8054 \color@begingroup
8055 \reset@font%
8056 \@makefnint{%
8057 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8058 \@finalstrut\strutbox}%
8059 \color@endgroup}}
8060 \renewcommand{\@mpRTLfootnotetext}[1]{%
8061 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8062 \unvbox\@mpfootins
8063 \def\baselinestretch{\m@m@footnote@spacing}%
8064 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8065 \protected@edef\@currentlabel{%
8066 \csname p@mpfootnote\endcsname\@thefnmark}%
8067 \color@begingroup
8068 \reset@font%
8069 \@makefnint{%
8070 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8071 \@finalstrut\strutbox}%
8072 \color@endgroup}}
8073 \let\m@mold@footnotetext\@footnotetext
8074 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8075 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8076 \let\m@mold@mpfootnotetext\@mpfootnotetext
8077 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8078 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8079 \bidi@ensure@newcommand{\normalfootnotes}{%
8080 \let\@footnotetext\m@mold@footnotetext
8081 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8082 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8083 \let\@mpfootnotetext\m@mold@mpfootnotetext
8084 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8085 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
8086 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8087 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotesttrue}
8088 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
8089 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
8090 \def\m@m@singlespace{#1}%
8091 \def\m@m@footnote@spacing{#1}%
8092 \def\m@m@float@spacing{#1} %
8093 }
8094 \setSingleSpace{1}
8095 \newinsert\sideins
8096 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
8097 \bidi@ensure@newcommand*{\m@m@prepare}{%
8098 \kern-\multiplefootnotemarker
8099 \kern\multiplefootnotemarker\relax}
8100 \bidi@ensure@newlength{\footmarkwidth}

```



```

8101 \bidi@ensure@newlength{\footmarksep}
8102 \bidi@ensure@newlength{\footparindent}
8103 \bidi@ensure@newcommand*\footmarkstyle[1]{\def\footscript##1{#1}}
8104 \bidi@ensure@newcommand{\footfootmark}{%
8105   \ifdim\footmarkwidth < \z@
8106     \llap{\hb@xt@ -\footmarkwidth{%
8107       \hss\normalfont\footscript{\@thefnmark}}}%
8108     \hspace*{-\footmarkwidth}}%
8109   \else
8110     \ifdim\footmarkwidth = \z@
8111       {\normalfont\footscript{\@thefnmark}}%
8112     \else
8113       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8114     \fi
8115   \fi}
8116 \footmarkstyle{\textsuperscript{#1}}
8117 \setlength{\footmarkwidth}{1.8em}
8118 \setlength{\footparindent}{1em}
8119 \bidi@ensure@newcommand{\m@doextrafeet}{\extrafeetins}
8120 \bidi@ensure@newcommand*\extrafeetins{%
8121   \setbox\@outputbox \vbox{%
8122     \boxmaxdepth \@maxdepth
8123     \unvbox\@outputbox
8124     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8125     \extrafeetinshook}}
8126 \bidi@ensure@newcommand{\extrafeetinshook}{%}
8127 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8128 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8129 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8130 \bidi@ensure@newlength{\footinsdim}
8131 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8132 \bidi@ensure@newcommand{\@preamfntext}{%
8133   \interlinepenalty\interfootnotelinepenalty
8134   \floatingpenalty \@MM
8135   \splittopskip=\footnotesep
8136   \splitmaxdepth=\dp\strutbox
8137   \@parboxrestore}
8138 \bidi@ensure@newcommand{\m@doextrafeetmini}{%
8139   \extrafeetminihook}
8140 \bidi@ensure@newcommand{\extrafeetendmini}{%
8141   \ifvoid\@mpfootinsv@r\else
8142     \vskip\skip\@mpfootins
8143     \normalcolor\footnoterule\mp@footgroupv@r
8144   \fi
8145   \extrafeetendminihook}
8146 \bidi@ensure@newcommand{\extrafeetendminihook}{%}
8147 \bidi@ensure@newcommand{\m@doextrafeetendmini}{\extrafeetendmini}
8148 \def\endminipage{%
8149   \par
8150   \unskip

```



```

8151 \ifvoid\@mpfootins\else
8152 \vskip\skip\@mpfootins
8153 \normalcolor
8154 \footnoterule
8155 \unvbox\@mpfootins
8156 \fi
8157 \m@mdoextrafeetendmini
8158 \@minipagefalse
8159 \color@endgroup
8160 \egroup
8161 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
8162 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8163 \@namedef{\@footstart#1}{%
8164 \vskip\bigskipamount
8165 \leftskip=\z@
8166 \rightskip=\z@
8167 \footnoterule}}
8168 \newinsert\footinsv@r
8169 \skip\footinsv@r\bigskipamount
8170 \count\footinsv@r=1000 % no magnification
8171 \dimen\footinsv@r=\footinsdim
8172 \m@make@footstart{v@r}
8173 \bidi@ensure@newcommand{\@footgroupv@r}{%
8174 \newinsert\@mpfootinsv@r
8175 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
8176 \newcount\m@m@k \newdimen\m@m@h
8177 \ifpackageloaded{multicol}{%
8178 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8179 \hsize\textwidth
8180 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8181 \valign{##}\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8182 }{%
8183 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8184 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8185 \valign{##}\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8186 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8187 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8188 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8189 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8190 \setbox2 \vsplit0 to \dimen0
8191 \unvbox2 }
8192 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8193 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8194 \let\@footnotetext\@twocolfootnotetext
8195 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8196 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8197 \dimen\footinsv@r=2\footinsdim
8198 \count\footinsv@r=500\relax
8199 \m@make@twocol@footgroup{v@r}%
8200 \let\@footgroupv@r\@twocol@footgroupv@r

```



```

8201 \let\@mpfootnotetext\@mptwocolfootnotetext
8202 \let\@mplLTRfootnotetext\@mptwocolLTRfootnotetext
8203 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8204 \m@make\@mptwocol\@footgroup{v@r}%
8205 \let\mp@footgroupv@r\@mptwocol\@footgroupv@r}
8206 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8207 \def\baselinestretch{\m@m@footnote@spacing}%
8208 \reset@font\foottextfont
8209 \@preamfntext
8210 \protected@edef\@currentlabel{%
8211 \csname p@footnote\endcsname\@thefnmark}%
8212 \color@begingroup
8213 \@twocolfootfmt{#1}%
8214 \color@endgroup}%
8215 \m@mmf@prepare}
8216 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8217 \def\baselinestretch{\m@m@footnote@spacing}%
8218 \reset@font\LTRfoottextfont
8219 \@preamfntext
8220 \protected@edef\@currentlabel{%
8221 \csname p@footnote\endcsname\@thefnmark}%
8222 \color@begingroup
8223 \@twocolLTRfootfmt{#1}%
8224 \color@endgroup}%
8225 \m@mmf@prepare}
8226 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8227 \def\baselinestretch{\m@m@footnote@spacing}%
8228 \reset@font\RTLfoottextfont
8229 \@preamfntext
8230 \protected@edef\@currentlabel{%
8231 \csname p@footnote\endcsname\@thefnmark}%
8232 \color@begingroup
8233 \@twocolRTLfootfmt{#1}%
8234 \color@endgroup}%
8235 \m@mmf@prepare}
8236 \bidi@ensure@newcommand{\@preamtwofmt}{%
8237 \hsize .45\hsize
8238 \parindent=\z@
8239 \tolerance=5000\relax
8240 \leavevmode}
8241 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8242 \@preamtwofmt
8243 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8244 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8245 \@preamtwofmt
8246 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8247 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8248 \@preamtwofmt
8249 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8250 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%

```



```

8251 \global\setbox\@mpfootinsv\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8252 \unvbox\@mpfootinsv}
8253 \def\baselinestretch{\m@{footnote@spacing}}%
8254 \reset@font\foottextfont
8255 \hsize\columnwidth \@parboxrestore
8256 \protected@edef\@currentlabel{%
8257 \csname p@mpfootnote\endcsname\@thefnmark}%
8258 \color@begingroup
8259 \@twocolfootfmt{#1}%
8260 \color@endgroup}%
8261 \m@m{f@prepare}
8262 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8263 \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
8264 \unvbox\@mpfootinsv}
8265 \def\baselinestretch{\m@{footnote@spacing}}%
8266 \reset@font\LTRfoottextfont
8267 \hsize\columnwidth \@parboxrestore
8268 \if@RTLcolumnfootnotes\beginL\fi
8269 \protected@edef\@currentlabel{%
8270 \csname p@mpfootnote\endcsname\@thefnmark}%
8271 \color@begingroup
8272 \@twocolLTRfootfmt{#1}%
8273 \color@endgroup}%
8274 \m@m{f@prepare}
8275 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8276 \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
8277 \unvbox\@mpfootinsv}
8278 \def\baselinestretch{\m@{footnote@spacing}}%
8279 \reset@font\RTLfoottextfont
8280 \hsize\columnwidth \@parboxrestore
8281 \protected@edef\@currentlabel{%
8282 \csname p@mpfootnote\endcsname\@thefnmark}%
8283 \color@begingroup
8284 \@twocolRTLfootfmt{#1}%
8285 \color@endgroup}%
8286 \m@m{f@prepare}
8287 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8288 \m@{make@twocolfootnotetext}{#1}%
8289 \m@{make@mptwocolfootnotetext}{#1}%
8290 \m@{make@twocolfootfmt}{#1}%
8291 \m@{make@twocol@footgroup}{#1}%
8292 \m@{make@mptwocol@footgroup}{#1}%
8293 \m@{make@footstart}{#1}%
8294 \bidi@namelongdef{\@footnotetext#1}##1{%
8295 \@nameuse{\@twocolfootnotetext#1}{##1}}%
8296 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8297 \@nameuse{\@mptwocolfootnotetext#1}{##1}}%
8298 \@namedef{\@footgroup#1}{\@nameuse{\@twocol@footgroup#1}}%
8299 \@namedef{\mp@footgroup#1}{\@nameuse{\@mptwocol@footgroup#1}}%
8300 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim

```



```

8301 \expandafter\count\csname footins#1\endcsname=500\relax}
8302 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8303 \bidi@namelongdef{@twocolfootnotetext#1}##1{%
8304 \insert\@nameuse{footins#1}{%
8305 \def\baselinestretch{\m@m@footnote@spacing}%
8306 \reset@font\@nameuse{foottextfont#1}%
8307 \@preamfntext
8308 \protected@edef\@currentlabel{%
8309 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8310 \color@begingroup
8311 \@nameuse{@twocolfootfmt#1}##1}%
8312 \color@endgroup}%
8313 \m@m@mmf@prepare}}
8314 \bidi@ensure@newcommand{\m@make@mpfootnotetext}[1]{%
8315 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8316 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8317 \unvbox\@nameuse{@mpfootins#1}
8318 \def\baselinestretch{\m@m@footnote@spacing}%
8319 \reset@font\@nameuse{foottextfont#1}%
8320 \hsize\columnwidth \@parboxrestore
8321 \protected@edef\@currentlabel{%
8322 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8323 \color@begingroup
8324 \@nameuse{@twocolfootfmt#1}##1}%
8325 \color@endgroup}\m@m@mmf@prepare}}
8326 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8327 \@namedef{@twocolfootfmt#1}##1{%
8328 \@preamtwofmt
8329 {\@nameuse{footfootmark#1}\strut
8330 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8331 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8332 \@namedef{@twocol@footgroup#1}{%
8333 \def\baselinestretch{\m@m@footnote@spacing}%
8334 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8335 \m@m@rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8336 \bidi@ensure@newcommand{\m@make@mpfootgroup}[1]{%
8337 \@namedef{@mpfootgroup#1}{%
8338 \def\baselinestretch{\m@m@footnote@spacing}%
8339 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8340 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
8341 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8342 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8343 \let\@footnotetext\@threecolfootnotetext
8344 \let\@LTRfootnotetext\@threecolLTRfootnotetext
8345 \let\@RTLfootnotetext\@threecolRTLfootnotetext
8346 \dimen\footinsv@r=3\footinsdim
8347 \count\footinsv@r=333\relax
8348 \m@make@threecol@footgroup{v@r}%
8349 \let\@footgroupv@r\@threecol@footgroupv@r
8350 \let\@mpfootnotetext\@mpthreecolfootnotetext

```



```

8351 \let\@mplTRfootnotetext\@mpthreecolLTRfootnotetext
8352 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8353 \m@make@mpthreecol@footgroup{v@r}%
8354 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
8355 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8356 \def\baselinestretch{\m@m@footnote@spacing}%
8357 \reset@font\foottextfont
8358 \@preamfntext
8359 \protected@edef\@currentlabel{%
8360 \csname p@footnote\endcsname\@thefnmark}%
8361 \color@begingroup
8362 \@threecolfootfmt{#1}%
8363 \color@endgroup}\m@m@mmf@prepare}
8364 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8365 \def\baselinestretch{\m@m@footnote@spacing}%
8366 \reset@font\LTRfoottextfont
8367 \@preamfntext
8368 \protected@edef\@currentlabel{%
8369 \csname p@footnote\endcsname\@thefnmark}%
8370 \color@begingroup
8371 \@threecolLTRfootfmt{#1}%
8372 \color@endgroup}\m@m@mmf@prepare}
8373 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8374 \def\baselinestretch{\m@m@footnote@spacing}%
8375 \reset@font\RTLfoottextfont
8376 \@preamfntext
8377 \protected@edef\@currentlabel{%
8378 \csname p@footnote\endcsname\@thefnmark}%
8379 \color@begingroup
8380 \@threecolRTLfootfmt{#1}%
8381 \color@endgroup}\m@m@mmf@prepare}
8382 \bidi@ensure@newcommand{\@preamthreelfmt}{%
8383 \hsize .3\hsize
8384 \parindent=\z@
8385 \tolerance=5000\relax
8386 \leavevmode}
8387 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8388 \@preamthreelfmt
8389 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8390 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8391 \@preamthreelfmt
8392 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8393 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8394 \@preamthreelfmt
8395 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8396 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8397 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8398 \unvbox\@mpfootinsv@r
8399 \def\baselinestretch{\m@m@footnote@spacing}%
8400 \reset@font\foottextfont

```



```

8401 \hsize\columnwidth \@parboxrestore
8402 \protected@edef\@currentlabel{%
8403 \csname p@mpfootnote\endcsname\@thefnmark}%
8404 \color@begingroup
8405 \@threecolfootfmt{#1}%
8406 \color@endgroup}\m@mmf@prepare}
8407 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8408 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8409 \unvbox\@mpfootinsv@r
8410 \def\baselinestretch{\m@m@footnote@spacing}%
8411 \reset@font\LTRfoottextfont
8412 \hsize\columnwidth \@parboxrestore
8413 \if@RTLcolumnfootnotes\beginL\fi
8414 \protected@edef\@currentlabel{%
8415 \csname p@mpfootnote\endcsname\@thefnmark}%
8416 \color@begingroup
8417 \@threecolLTRfootfmt{#1}%
8418 \color@endgroup}\m@mmf@prepare}
8419 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8420 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8421 \unvbox\@mpfootinsv@r
8422 \def\baselinestretch{\m@m@footnote@spacing}%
8423 \reset@font\RTLfoottextfont
8424 \hsize\columnwidth \@parboxrestore
8425 \protected@edef\@currentlabel{%
8426 \csname p@mpfootnote\endcsname\@thefnmark}%
8427 \color@begingroup
8428 \@threecolRTLfootfmt{#1}%
8429 \color@endgroup}\m@mmf@prepare}
8430 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8431 \m@make@threecolfootnotetext{#1}%
8432 \m@make@mpthreecolfootnotetext{#1}%
8433 \m@make@threecolfootfmt{#1}%
8434 \m@make@threecol@footgroup{#1}%
8435 \m@make@mpthreecol@footgroup{#1}%
8436 \m@make@footstart{#1}%
8437 \bidi@namelongdef{\@footnotetext#1}##1{%
8438 \@nameuse{\@threecolfootnotetext#1}{##1}}%
8439 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8440 \@nameuse{\@mpthreecolfootnotetext#1}{##1}}%
8441 \@namedef{\@footgroup#1}{\@nameuse{\@threecol@footgroup#1}}%
8442 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpthreecol@footgroup#1}}%
8443 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8444 \expandafter\count\csname footins#1\endcsname=333\relax}
8445 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8446 \bidi@namelongdef{\@threecolfootnotetext#1}##1{%
8447 \insert\@nameuse{\footins#1}{%
8448 \def\baselinestretch{\m@m@footnote@spacing}%
8449 \reset@font\@nameuse{\foottextfont#1}%
8450 \@preamfntext

```




```

8451 \protected@edef\@currentlabel{%
8452   \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8453   \color@begingroup
8454   \@nameuse{@threecolfootfmt#1}-##1}%
8455   \color@endgroup}\m@mmf@prepare}}
8456 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8457 \bidi@namelongdef{\mpthreecolfootnotetext#1}-##1{%
8458   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8459     \unvbox\@nameuse{@mpfootins#1}
8460     \def\baselinestretch{\m@m@footnote@spacing}%
8461     \reset@font\@nameuse{foottextfont#1}%
8462     \hsize\columnwidth \parboxrestore
8463     \protected@edef\@currentlabel{%
8464       \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8465     \color@begingroup
8466     \@nameuse{@threecolfootfmt#1}-##1}%
8467     \color@endgroup}\m@mmf@prepare}}
8468 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8469 \bidi@namelongdef{@threecolfootfmt#1}-##1{%
8470   \@preamthreefmt
8471   {\@nameuse{footfootmark#1}\strut
8472   {\@nameuse{foottextfont#1}-##1}\strut\par}\allowbreak}}
8473 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8474 \@namedef{@threecol@footgroup#1}{%
8475   \def\baselinestretch{\m@m@footnote@spacing}%
8476   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8477   \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}\splittopskip}}
8478 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
8479 \@namedef{@mpthreecol@footgroup#1}{%
8480   \def\baselinestretch{\m@m@footnote@spacing}%
8481   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8482   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}\splittopskip}}
8483 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8484   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8485   \let\@footnotetext\@fourcolfootnotetext
8486   \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8487   \let\@RTLfootnotetext\@fourcolRTLfootnotetext
8488   \dimen\footinsv@r=4\footinsdim
8489   \count\footinsv@r=250\relax
8490   \m@make@fourcol@footgroup{v@r}%
8491   \let\@footgroupv@r\@fourcol@footgroupv@r
8492   \let\@mpfootnotetext\@mpfourcolfootnotetext
8493   \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8494   \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8495   \m@make@mpfourcol@footgroup{v@r}%
8496   \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8497 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\ifRTL@footnote\@RTLtru
8498   \def\baselinestretch{\m@m@footnote@spacing}%
8499   \reset@font\foottextfont
8500   \@preamfntext

```



```

8501 \protected@edef\@currentlabel{%
8502   \csname p@footnote\endcsname\@thefnmark}%
8503 \color@begingroup
8504   \@fourcolfootfmt{#1}%
8505 \color@endgroup}%
8506 \m@mmf@prepare}
8507 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8508   \def\baselinestretch{\m@m@footnote@spacing}%
8509   \reset@font\LTRfoottextfont
8510   \@preamfntext
8511   \protected@edef\@currentlabel{%
8512     \csname p@footnote\endcsname\@thefnmark}%
8513   \color@begingroup
8514     \@fourcolLTRfootfmt{#1}%
8515   \color@endgroup}%
8516   \m@mmf@prepare}
8517 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8518   \def\baselinestretch{\m@m@footnote@spacing}%
8519   \reset@font\RTLfoottextfont
8520   \@preamfntext
8521   \protected@edef\@currentlabel{%
8522     \csname p@footnote\endcsname\@thefnmark}%
8523   \color@begingroup
8524     \@fourcolRTLfootfmt{#1}%
8525   \color@endgroup}%
8526   \m@mmf@prepare}
8527 \bidi@ensure@newcommand{\@preamfourfmt}{%
8528   \hsize .25\hsize
8529   \parindent=\z@
8530   \tolerance=5000\relax
8531   \leavevmode}
8532 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8533   \@preamfourfmt
8534   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8535 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8536   \@preamfourfmt
8537   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8538 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8539   \@preamfourfmt
8540   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8541 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8542   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8543     \unvbox\@mpfootinsv@r
8544     \def\baselinestretch{\m@m@footnote@spacing}%
8545     \reset@font\foottextfont
8546     \hsize\columnwidth \@parboxrestore
8547     \protected@edef\@currentlabel{%
8548       \csname p@mpfootnote\endcsname\@thefnmark}%
8549     \color@begingroup
8550     \@fourcolfootfmt{#1}%

```



```

8551 \color@endgroup}%
8552 \m@mmf@prepare}
8553 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8554 \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
8555 \unvbox\@mpfootinsv@r
8556 \def\baselinestretch{\m@m@footnote@spacing}%
8557 \reset@font\LTRfoottextfont
8558 \hsize\columnwidth \@parboxrestore
8559 \if@RTLcolumnfootnotes\beginL\fi
8560 \protected@edef\@currentlabel{%
8561 \csname p@mpfootnote\endcsname\@thefnmark}%
8562 \color@begingroup
8563 \@fourcolLTRfootfmt{#1}%
8564 \color@endgroup}%
8565 \m@mmf@prepare}
8566 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8567 \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
8568 \unvbox\@mpfootinsv@r
8569 \def\baselinestretch{\m@m@footnote@spacing}%
8570 \reset@font\RTLfoottextfont
8571 \hsize\columnwidth \@parboxrestore
8572 \protected@edef\@currentlabel{%
8573 \csname p@mpfootnote\endcsname\@thefnmark}%
8574 \color@begingroup
8575 \@fourcolRTLfootfmt{#1}%
8576 \color@endgroup}%
8577 \m@mmf@prepare}
8578 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
8579 \m@make@fourcolfootnotetext{#1}%
8580 \m@make@mpfourcolfootnotetext{#1}%
8581 \m@make@fourcolfootfmt{#1}%
8582 \m@make@fourcol@footgroup{#1}%
8583 \m@make@mpfourcol@footgroup{#1}%
8584 \m@make@footstart{#1}%
8585 \bidi@namelongdef{\@footnotetext#1}##1{%
8586 \@nameuse{\@fourcolfootnotetext#1}{##1}}%
8587 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8588 \@nameuse{\@mpfourcolfootnotetext#1}{##1}}%
8589 \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%
8590 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfourcol@footgroup#1}}%
8591 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8592 \expandafter\count\csname footins#1\endcsname=500\relax}
8593 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8594 \bidi@namelongdef{\@fourcolfootnotetext#1}##1{%
8595 \insert\@nameuse{footins#1}{%
8596 \def\baselinestretch{\m@m@footnote@spacing}%
8597 \reset@font\@nameuse{foottextfont#1}%
8598 \@preamfntext
8599 \protected@edef\@currentlabel{%
8600 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%

```



```

8601 \color@begingroup
8602 \nameuse{@fourcolfootfmt#1}{##1}%
8603 \color@endgroup}%
8604 \m@mmf@prepare}}
8605 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8606 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
8607 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8608 \unvbox\nameuse{@mpfootins#1}
8609 \def\baselinestretch{\m@m@footnote@spacing}%
8610 \reset@font\nameuse{foottextfont#1}%
8611 \hsize\columnwidth \@parboxrestore
8612 \protected@edef\currentlabel{%
8613 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8614 \color@begingroup
8615 \nameuse{@fourcolfootfmt#1}{##1}%
8616 \color@endgroup}\m@mmf@prepare}}
8617 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8618 \namedef{@fourcolfootfmt#1}##1{%
8619 \@preamfourfmt
8620 {\nameuse{footfootmark#1}\strut
8621 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8622 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8623 \namedef{@fourcol@footgroup#1}{%
8624 \def\baselinestretch{\m@m@footnote@spacing}%
8625 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8626 \m@mrigidbalance{\nameuse{footins#1}}{4}{\splittopskip}}}%
8627 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8628 \namedef{@mpfourcol@footgroup#1}{%
8629 \def\baselinestretch{\m@m@footnote@spacing}%
8630 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8631 \m@mrigidbalance{\nameuse{@mpfootins#1}}{4}{\splittopskip}}}%
8632 \bidi@ensure@newcommand{fivecolumnfootnotes}{%
8633 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8634 \let\@footnotetext\@fivecolfootnotetext
8635 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8636 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8637 \dimen\footinsv@r=5\footinsdim
8638 \count\footinsv@r=200\relax
8639 \m@make@fivecol@footgroup{v@r}%
8640 \let\@footgroupv@r\@fivecol@footgroupv@r
8641 \let\@mpfootnotetext\@mpfivecolfootnotetext
8642 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
8643 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8644 \m@make@mpfivecol@footgroup{v@r}%
8645 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
8646 \bidi@ensure@newcommand{@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8647 \def\baselinestretch{\m@m@footnote@spacing}%
8648 \reset@font\foottextfont
8649 \@preamfntext
8650 \protected@edef\currentlabel{%

```



```

8651 \csname p@footnote\endcsname\@thefnmark}%
8652 \color@begingroup
8653 \@fivecolfootfmt{#1}%
8654 \color@endgroup}%
8655 \m@mmf@prepare}
8656 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8657 \def\baselinestretch{\m@m@footnote@spacing}%
8658 \reset@font\LTRfoottextfont
8659 \@preamfntext
8660 \protected@edef\@currentlabel{%
8661 \csname p@footnote\endcsname\@thefnmark}%
8662 \color@begingroup
8663 \@fivecolLTRfootfmt{#1}%
8664 \color@endgroup}%
8665 \m@mmf@prepare}
8666 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8667 \def\baselinestretch{\m@m@footnote@spacing}%
8668 \reset@font\RTLfoottextfont
8669 \@preamfntext
8670 \protected@edef\@currentlabel{%
8671 \csname p@footnote\endcsname\@thefnmark}%
8672 \color@begingroup
8673 \@fivecolRTLfootfmt{#1}%
8674 \color@endgroup}%
8675 \m@mmf@prepare}
8676 \bidi@ensure@newcommand{\@preamfivefmt}{%
8677 \hspace{.2\hspace}
8678 \parindent=\z@
8679 \tolerance=5000\relax
8680 \leavevmode}
8681 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8682 \@preamfivefmt
8683 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8684 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8685 \@preamfivefmt
8686 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8687 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8688 \@preamfivefmt
8689 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8690 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8691 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8692 \unvbox\@mpfootinsv@r
8693 \def\baselinestretch{\m@m@footnote@spacing}%
8694 \reset@font\foottextfont
8695 \hspace\columnwidth \@parboxrestore
8696 \protected@edef\@currentlabel{%
8697 \csname p@mpfootnote\endcsname\@thefnmark}%
8698 \color@begingroup
8699 \@fivecolfootfmt{#1}%
8700 \color@endgroup}%

```



```

8701 \m@mmf@prepare}
8702 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8703 \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
8704 \unvbox\@mpfootinsv@r
8705 \def\baselinestretch{\m@m@footnote@spacing}%
8706 \reset@font\LTRfoottextfont
8707 \hsize\columnwidth \@parboxrestore
8708 \if@RTLcolumnfootnotes\beginL\fi
8709 \protected@edef\@currentlabel{%
8710 \csname p@mpfootnote\endcsname\@thefnmark}%
8711 \color@begingroup
8712 \@fivecolLTRfootfmt{#1}%
8713 \color@endgroup}%
8714 \m@mmf@prepare}
8715 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8716 \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
8717 \unvbox\@mpfootinsv@r
8718 \def\baselinestretch{\m@m@footnote@spacing}%
8719 \reset@font\RTLfoottextfont
8720 \hsize\columnwidth \@parboxrestore
8721 \protected@edef\@currentlabel{%
8722 \csname p@mpfootnote\endcsname\@thefnmark}%
8723 \color@begingroup
8724 \@fivecolRTLfootfmt{#1}%
8725 \color@endgroup}%
8726 \m@mmf@prepare}
8727 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8728 \m@make@fivecolfootnotetext{#1}%
8729 \m@make@mpfivecolfootnotetext{#1}%
8730 \m@make@fivecolfootfmt{#1}%
8731 \m@make@fivecol@footgroup{#1}%
8732 \m@make@mpfivecol@footgroup{#1}%
8733 \m@make@footstart{#1}%
8734 \bidi@namelongdef{\@footnotetext#1}##1{%
8735 \@nameuse{\@fivecolfootnotetext#1}{##1}}%
8736 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8737 \@nameuse{\@mpfivecolfootnotetext#1}{##1}}%
8738 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
8739 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfivecol@footgroup#1}}%
8740 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8741 \expandafter\count\csname footins#1\endcsname=500\relax}
8742 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8743 \bidi@namelongdef{\@fivecolfootnotetext#1}##1{%
8744 \insert\@nameuse{footins#1}{%
8745 \def\baselinestretch{\m@m@footnote@spacing}%
8746 \reset@font\@nameuse{foottextfont#1}%
8747 \@preamfntext
8748 \protected@edef\@currentlabel{%
8749 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8750 \color@begingroup

```



```

8751 \nameuse{@fivecolfootfmt#1}{##1}%
8752 \color@endgroup}%
8753 \m@mmf@prepare}}
8754 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8755 \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
8756 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8757 \unvbox\@nameuse{@mpfootins#1}
8758 \def\baselinestretch{\m@m@footnote@spacing}%
8759 \reset@font\@nameuse{foottextfont#1}%
8760 \hsize\columnwidth \@parboxrestore
8761 \protected@edef\@currentlabel{%
8762 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8763 \color@begingroup
8764 \nameuse{@fivecolfootfmt#1}{##1}%
8765 \color@endgroup}\m@mmf@prepare}}
8766 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
8767 \@namedef{@fivecolfootfmt#1}##1{%
8768 \@preamfivefmt
8769 {\@nameuse{footfootmark#1}\strut
8770 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8771 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8772 \@namedef{@fivecol@footgroup#1}{%
8773 \def\baselinestretch{\m@m@footnote@spacing}%
8774 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8775 \m@mrigidbodybalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
8776 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8777 \@namedef{@mpfivecol@footgroup#1}{%
8778 \def\baselinestretch{\m@m@footnote@spacing}%
8779 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8780 \m@mrigidbodybalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
8781 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8782 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8783 \let\@footnotetext\@sixcolfootnotetext
8784 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8785 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8786 \dimen\footinsv@r=6\footinsdim
8787 \count\footinsv@r=166\relax
8788 \m@make@sixcol@footgroup{v@r}%
8789 \let\@footgroupv@r\@sixcol@footgroupv@r
8790 \let\@mpfootnotetext\@mpsixcolfootnotetext
8791 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
8792 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8793 \m@make@mpsixcol@footgroup{v@r}%
8794 \let\@mp@footgroupv@r\@mpsixcol@footgroupv@r}
8795 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
8796 \def\baselinestretch{\m@m@footnote@spacing}%
8797 \reset@font\foottextfont
8798 \@preamfntext
8799 \protected@edef\@currentlabel{%
8800 \csname p@footnote\endcsname\@thefnmark}%

```



```

8801 \color@begingroup
8802   \@sixcolfootfmt{#1}%
8803 \color@endgroup}%
8804 \m@mmf@prepare}
8805 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
8806 \def\baselinestretch{\m@mm@footnote@spacing}%
8807 \reset@font\LTRfoottextfont
8808 \@preamfntext
8809 \protected@edef\@currentlabel{%
8810   \csname p@footnote\endcsname\@thefnmark}%
8811 \color@begingroup
8812   \@sixcolLTRfootfmt{#1}%
8813 \color@endgroup}%
8814 \m@mmf@prepare}
8815 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8816 \def\baselinestretch{\m@mm@footnote@spacing}%
8817 \reset@font\RTLfoottextfont
8818 \@preamfntext
8819 \protected@edef\@currentlabel{%
8820   \csname p@footnote\endcsname\@thefnmark}%
8821 \color@begingroup
8822   \@sixcolRTLfootfmt{#1}%
8823 \color@endgroup}%
8824 \m@mmf@prepare}
8825 \bidi@ensure@newcommand{\@preamsixfmt}{%
8826 \hsize .16\hsize
8827 \parindent=\z@
8828 \tolerance=5000\relax
8829 \leavevmode}
8830 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8831 \@preamsixfmt
8832 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8833 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
8834 \@preamsixfmt
8835 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8836 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
8837 \@preamsixfmt
8838 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8839 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
8840 \global\setbox\@mpfootinsv@r\vbox{%
8841   \unvbox\@mpfootinsv@r
8842   \def\baselinestretch{\m@mm@footnote@spacing}%
8843   \reset@font\foottextfont
8844   \hsize\columnwidth \@parboxrestore
8845   \protected@edef\@currentlabel{%
8846     \csname p@mpfootnote\endcsname\@thefnmark}%
8847 \color@begingroup
8848   \@sixcolfootfmt{#1}%
8849 \color@endgroup}%
8850 \m@mmf@prepare}

```




```

8851 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
8852 \global\setbox\@mpfootinsv@r\vbox{%
8853 \unvbox\@mpfootinsv@r
8854 \def\baselinestretch{\m@m@footnote@spacing}%
8855 \reset@font\LTRfoottextfont
8856 \hsize\columnwidth \@parboxrestore
8857 \if@RTLcolumnfootnotes\beginL\fi
8858 \protected@edef\@currentlabel{%
8859 \csname p@mpfootnote\endcsname\@thefnmark}%
8860 \color@begingroup
8861 \@sixcolLTRfootfmt{#1}%
8862 \color@endgroup}%
8863 \m@m@mmf@prepare}
8864 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
8865 \global\setbox\@mpfootinsv@r\vbox{%
8866 \unvbox\@mpfootinsv@r
8867 \def\baselinestretch{\m@m@footnote@spacing}%
8868 \reset@font\RTLfoottextfont
8869 \hsize\columnwidth \@parboxrestore
8870 \protected@edef\@currentlabel{%
8871 \csname p@mpfootnote\endcsname\@thefnmark}%
8872 \color@begingroup
8873 \@sixcolRTLfootfmt{#1}%
8874 \color@endgroup}%
8875 \m@m@mmf@prepare}
8876 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8877 \m@make@sixcolfootnotetext{#1}%
8878 \m@make@mpsixcolfootnotetext{#1}%
8879 \m@make@sixcolfootfmt{#1}%
8880 \m@make@sixcol@footgroup{#1}%
8881 \m@make@mpsixcol@footgroup{#1}%
8882 \m@make@footstart{#1}%
8883 \bidi@namelongdef{\@footnotetext#1}##1{%
8884 \nameuse{\@sixcolfootnotetext#1}{##1}}%
8885 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8886 \nameuse{\@mpsixcolfootnotetext#1}{##1}}%
8887 \@namedef{\@footgroup#1}{\nameuse{\@sixcol@footgroup#1}}%
8888 \@namedef{\mp@footgroup#1}{\nameuse{\@mpsixcol@footgroup#1}}%
8889 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8890 \expandafter\count\csname footins#1\endcsname=500\relax}
8891 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
8892 \bidi@namelongdef{\@sixcolfootnotetext#1}##1{%
8893 \insert\@nameuse{footins#1}{%
8894 \def\baselinestretch{\m@m@footnote@spacing}%
8895 \reset@font\@nameuse{foottextfont#1}%
8896 \@preamfntext
8897 \protected@edef\@currentlabel{%
8898 \csname p@footnote#1\endcsname \nameuse{\@thefnmark#1}}%
8899 \color@begingroup
8900 \nameuse{\@sixcolfootfmt#1}{##1}%

```



```

8901 \color@endgroup}%
8902 \m@mmf@prepare}}
8903 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
8904 \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
8905 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8906 \unvbox\@nameuse{@mpfootins#1}
8907 \def\baselinestretch{\m@m@footnote@spacing}%
8908 \reset@font\@nameuse{foottextfont#1}%
8909 \hsize\columnwidth \@parboxrestore
8910 \protected@edef\@currentlabel{%
8911 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8912 \color@begingroup
8913 \@nameuse{@sixcolfootfmt#1}{##1}%
8914 \color@endgroup}\m@mmf@prepare}}
8915 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
8916 \@namedef{@sixcolfootfmt#1}##1{%
8917 \@preamsixfmt
8918 {\@nameuse{footfootmark#1}\strut
8919 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8920 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
8921 \@namedef{@sixcol@footgroup#1}{%
8922 \def\baselinestretch{\m@m@footnote@spacing}%
8923 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8924 \m@mrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
8925 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
8926 \@namedef{@mpsixcol@footgroup#1}{%
8927 \def\baselinestretch{\m@m@footnote@spacing}%
8928 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8929 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}}
8930 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
8931 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8932 \let\@footnotetext\@sevendcolfootnotetext
8933 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
8934 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
8935 \dimen\footinsv@r=7\footinsdim
8936 \count\footinsv@r=142\relax
8937 \m@make@sevendcol@footgroup{v@r}%
8938 \let\@footgroupv@r\@sevendcol@footgroupv@r
8939 \let\@mpfootnotetext\@mpsevendcolfootnotetext
8940 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
8941 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
8942 \m@make@mpsevendcol@footgroup{v@r}%
8943 \let\@mp@footgroupv@r\@mpsevendcol@footgroupv@r}
8944 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8945 \def\baselinestretch{\m@m@footnote@spacing}%
8946 \reset@font\foottextfont
8947 \@preamfntext
8948 \protected@edef\@currentlabel{%
8949 \csname p@footnote\endcsname\@thefnmark}%
8950 \color@begingroup

```



```

8951 \sevendcolfootfmt{#1}%
8952 \color@endgroup}%
8953 \m@mmf@prepare}
8954 \bidi@ensure@newcommand{\sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8955 \def\baselinestretch{\m@m@footnote@spacing}%
8956 \reset@font\LTRfoottextfont
8957 \@preamfntext
8958 \protected@edef\@currentlabel{%
8959 \csname p@footnote\endcsname\@thefnmark}%
8960 \color@begingroup
8961 \sevendcolLTRfootfmt{#1}%
8962 \color@endgroup}%
8963 \m@mmf@prepare}
8964 \bidi@ensure@newcommand{\sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8965 \def\baselinestretch{\m@m@footnote@spacing}%
8966 \reset@font\RTLfoottextfont
8967 \@preamfntext
8968 \protected@edef\@currentlabel{%
8969 \csname p@footnote\endcsname\@thefnmark}%
8970 \color@begingroup
8971 \sevendcolRTLfootfmt{#1}%
8972 \color@endgroup}%
8973 \m@mmf@prepare}
8974 \bidi@ensure@newcommand{\@preamsevenfmt}{%
8975 \hsize .142\hsize
8976 \parindent=\z@
8977 \tolerance=5000\relax
8978 \leavevmode}
8979 \bidi@ensure@newcommand{\sevendcolfootfmt}[1]{%
8980 \@preamsevenfmt
8981 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8982 \bidi@ensure@newcommand{\sevendcolLTRfootfmt}[1]{%
8983 \@preamsevenfmt
8984 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8985 \bidi@ensure@newcommand{\sevendcolRTLfootfmt}[1]{%
8986 \@preamsevenfmt
8987 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8988 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
8989 \global\setbox\@mpfootinsv@r\vbox{%
8990 \unvbox\@mpfootinsv@r
8991 \def\baselinestretch{\m@m@footnote@spacing}%
8992 \reset@font\foottextfont
8993 \hsize\columnwidth \@parboxrestore
8994 \protected@edef\@currentlabel{%
8995 \csname p@mpfootnote\endcsname\@thefnmark}%
8996 \color@begingroup
8997 \sevendcolfootfmt{#1}%
8998 \color@endgroup}%
8999 \m@mmf@prepare}
9000 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%

```



```

9001 \global\setbox\@mpfootinsv\@vbox{%
9002   \unvbox\@mpfootinsv
9003   \def\baselinestretch{\m@m@footnote@spacing}%
9004   \reset@font\LTRfoottextfont
9005   \hsize\columnwidth \@parboxrestore
9006   \if@RTLcolumnfootnotes\beginL\fi
9007   \protected@edef\@currentlabel{%
9008     \csname p@mpfootnote\endcsname\@thefnmark}%
9009   \color@begingroup
9010     \@sevenscolLTRfootfmt{#1}%
9011   \color@endgroup}%
9012   \m@m@mmf@prepare}
9013 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
9014   \global\setbox\@mpfootinsv\@vbox{%
9015     \unvbox\@mpfootinsv
9016     \def\baselinestretch{\m@m@footnote@spacing}%
9017     \reset@font\RTLfoottextfont
9018     \hsize\columnwidth \@parboxrestore
9019     \protected@edef\@currentlabel{%
9020       \csname p@mpfootnote\endcsname\@thefnmark}%
9021     \color@begingroup
9022       \@sevenscolRTLfootfmt{#1}%
9023     \color@endgroup}%
9024     \m@m@mmf@prepare}
9025 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
9026   \m@make@sevenscolfootnotetext{#1}%
9027   \m@make@mpsevenscolfootnotetext{#1}%
9028   \m@make@sevenscolfootfmt{#1}%
9029   \m@make@sevenscol@footgroup{#1}%
9030   \m@make@mpsevenscol@footgroup{#1}%
9031   \m@make@footstart{#1}%
9032   \bidi@namelongdef{\@footnotetext#1}##1{%
9033     \@nameuse{\@sevenscolfootnotetext#1}{##1}}%
9034   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9035     \@nameuse{\@mpsevenscolfootnotetext#1}{##1}}%
9036   \@namedef{\@footgroup#1}{\@nameuse{\@sevenscol@footgroup#1}}%
9037   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsevenscol@footgroup#1}}%
9038   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9039   \expandafter\count\csname footins#1\endcsname=500\relax}
9040 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
9041   \bidi@namelongdef{\@sevenscolfootnotetext#1}##1{%
9042     \insert\@nameuse{\footins#1}{%
9043       \def\baselinestretch{\m@m@footnote@spacing}%
9044       \reset@font\@nameuse{\foottextfont#1}%
9045       \@preamfntext
9046       \protected@edef\@currentlabel{%
9047         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9048       \color@begingroup
9049         \@nameuse{\@sevenscolfootfmt#1}{##1}%
9050       \color@endgroup}%

```



```

9051 \m@mmf@prepare}}
9052 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
9053 \bidi@namelongdef{\mpsevenscolfootnotetext#1}##1{%
9054 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9055 \unvbox\@nameuse{\mpfootins#1}
9056 \def\baselinestretch{\m@m@footnote@spacing}%
9057 \reset@font\@nameuse{\foottextfont#1}%
9058 \hsize\columnwidth \@parboxrestore
9059 \protected@edef\@currentlabel{%
9060 \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
9061 \color@begingroup
9062 \@nameuse{\sevenscolfootfmt#1}##1}%
9063 \color@endgroup}\m@mmf@prepare}}
9064 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
9065 \@namedef{\sevenscolfootfmt#1}##1{%
9066 \@preamsevenfmt
9067 {\@nameuse{\footfootmark#1}\strut
9068 {\@nameuse{\foottextfont#1}##1}\strut\par}\allowbreak}}
9069 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
9070 \@namedef{\sevenscol@footgroup#1}{%
9071 \def\baselinestretch{\m@m@footnote@spacing}%
9072 \@nameuse{\foottextfont#1} \splittopskip=\ht\strutbox
9073 \m@mrigidbalance{\@nameuse{\footins#1}}{7}{\splittopskip}}}%
9074 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
9075 \@namedef{\mpsevenscol@footgroup#1}{%
9076 \def\baselinestretch{\m@m@footnote@spacing}%
9077 \@nameuse{\foottextfont#1} \splittopskip=\ht\strutbox
9078 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{7}{\splittopskip}}}%
9079 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9080 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
9081 \let\@footnotetext\@eightcolfootnotetext
9082 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9083 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9084 \dimen\footinsv@r=8\footinsdim
9085 \count\footinsv@r=125\relax
9086 \m@make@eightcol@footgroup{v@r}%
9087 \let\@footgroupv@r\@eightcol@footgroupv@r
9088 \let\@mpfootnotetext\@mpeightcolfootnotetext
9089 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9090 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9091 \m@make@mpeightcol@footgroup{v@r}%
9092 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9093 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9094 \def\baselinestretch{\m@m@footnote@spacing}%
9095 \reset@font\foottextfont
9096 \@preamfntext
9097 \protected@edef\@currentlabel{%
9098 \csname p@footnote\endcsname\@thefnmark}%
9099 \color@begingroup
9100 \@eightcolfootfmt{#1}%

```



```

g101 \color@endgroup}%
g102 \m@mmf@prepare}
g103 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
g104 \def\baselinestretch{\m@m@footnote@spacing}%
g105 \reset@font\LTRfoottextfont
g106 \@preamfntext
g107 \protected@edef\@currentlabel{%
g108 \csname p@footnote\endcsname\@thefnmark}%
g109 \color@begingroup
g110 \@eightcolLTRfootfmt{#1}%
g111 \color@endgroup}%
g112 \m@mmf@prepare}
g113 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
g114 \def\baselinestretch{\m@m@footnote@spacing}%
g115 \reset@font\RTLfoottextfont
g116 \@preamfntext
g117 \protected@edef\@currentlabel{%
g118 \csname p@footnote\endcsname\@thefnmark}%
g119 \color@begingroup
g120 \@eightcolRTLfootfmt{#1}%
g121 \color@endgroup}%
g122 \m@mmf@prepare}
g123 \bidi@ensure@newcommand{\@preameightfmt}{%
g124 \hspace{.125\hspace}
g125 \parindent=\z@
g126 \tolerance=5000\relax
g127 \leavevmode}
g128 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
g129 \@preameightfmt
g130 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
g131 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
g132 \@preameightfmt
g133 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
g134 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
g135 \@preameightfmt
g136 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
g137 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
g138 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
g139 \unvbox\@mpfootinsv@r
g140 \def\baselinestretch{\m@m@footnote@spacing}%
g141 \reset@font\foottextfont
g142 \hspace\columnwidth \@parboxrestore
g143 \protected@edef\@currentlabel{%
g144 \csname p@mpfootnote\endcsname\@thefnmark}%
g145 \color@begingroup
g146 \@eightcolfootfmt{#1}%
g147 \color@endgroup}%
g148 \m@mmf@prepare}
g149 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
g150 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%

```



```

9151 \unvbox\@mpfootinsv@r
9152 \def\baselinestretch{\m@m@footnote@spacing}%
9153 \reset@font\LTRfoottextfont
9154 \hsize\columnwidth \@parboxrestore
9155 \if@RTLcolumnfootnotes\beginL\fi
9156 \protected@edef\@currentlabel{%
9157   \csname p@mpfootnote\endcsname\@thefnmark}%
9158 \color@begingroup
9159   \@eightcolLTRfootfmt{#1}%
9160 \color@endgroup}%
9161 \m@mmf@prepare}
9162 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9163   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9164     \unvbox\@mpfootinsv@r
9165     \def\baselinestretch{\m@m@footnote@spacing}%
9166     \reset@font\RTLfoottextfont
9167     \hsize\columnwidth \@parboxrestore
9168     \protected@edef\@currentlabel{%
9169       \csname p@mpfootnote\endcsname\@thefnmark}%
9170     \color@begingroup
9171       \@eightcolRTLfootfmt{#1}%
9172     \color@endgroup}%
9173     \m@mmf@prepare}
9174 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9175   \m@make@eightcolfootnotetext{#1}%
9176   \m@make@mpeightcolfootnotetext{#1}%
9177   \m@make@eightcolfootfmt{#1}%
9178   \m@make@eightcol@footgroup{#1}%
9179   \m@make@mpeightcol@footgroup{#1}%
9180   \m@make@footstart{#1}%
9181   \bidi@namelongdef{\footnotetext#1}##1{%
9182     \@nameuse{\@eightcolfootnotetext#1}{##1}}%
9183   \bidi@namelongdef{\mpfootnotetext#1}##1{%
9184     \@nameuse{\@mpeightcolfootnotetext#1}{##1}}%
9185   \@namedef{\@footgroup#1}{\@nameuse{\@eightcol@footgroup#1}}%
9186   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpeightcol@footgroup#1}}%
9187   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9188   \expandafter\count\csname footins#1\endcsname=500\relax}
9189 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9190   \bidi@namelongdef{\@eightcolfootnotetext#1}##1{%
9191     \insert\@nameuse{footins#1}{%
9192       \def\baselinestretch{\m@m@footnote@spacing}%
9193       \reset@font\@nameuse{foottextfont#1}%
9194       \@preamfntext
9195       \protected@edef\@currentlabel{%
9196         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9197       \color@begingroup
9198         \@nameuse{\@eightcolfootfmt#1}{##1}%
9199       \color@endgroup}%
9200     \m@mmf@prepare}}

```



```

9201 \bidi@ensure@newcommand{\m@make@mpheightcolfootnotetext}[1]{%
9202 \bidi@namelongdef{@mpheightcolfootnotetext#1}##1{%
9203 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9204 \unvbox\@nameuse{@mpfootins#1}
9205 \def\baselinestretch{\m@m@footnote@spacing}%
9206 \reset@font\@nameuse{foottextfont#1}%
9207 \hsize\columnwidth \@parboxrestore
9208 \protected@edef\@currentlabel{%
9209 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9210 \color@begingroup
9211 \@nameuse{@eightcolfootfmt#1}##1}%
9212 \color@endgroup}\m@m@mmf@prepare}}
9213 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9214 \@namedef{@eightcolfootfmt#1}##1{%
9215 \@preameightfmt
9216 {\@nameuse{footfootmark#1}\strut
9217 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9218 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9219 \@namedef{@eightcol@footgroup#1}{%
9220 \def\baselinestretch{\m@m@footnote@spacing}%
9221 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9222 \m@m@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
9223 \bidi@ensure@newcommand{\m@make@mpheightcol@footgroup}[1]{%
9224 \@namedef{@mpheightcol@footgroup#1}{%
9225 \def\baselinestretch{\m@m@footnote@spacing}%
9226 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9227 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}%
9228 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9229 \@namedef{foottextfontv@r}{\foottextfont}% \[RS]
9230 \let\@footnotetext\@ninecolfootnotetext
9231 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9232 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9233 \dimen\footinsv@r=9\footinsdim
9234 \count\footinsv@r=111\relax
9235 \m@make@ninecol@footgroup{v@r}%
9236 \let\@footgroupv@r\@ninecol@footgroupv@r
9237 \let\@mpfootnotetext\@mpninecolfootnotetext
9238 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9239 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9240 \m@make@mpninecol@footgroup{v@r}%
9241 \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
9242 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9243 \def\baselinestretch{\m@m@footnote@spacing}%
9244 \reset@font\foottextfont
9245 \@preamfntext
9246 \protected@edef\@currentlabel{%
9247 \csname p@footnote\endcsname\@thefnmark}%
9248 \color@begingroup
9249 \@ninecolfootfmt{#1}%
9250 \color@endgroup}%

```




```

9251 \m@mmf@prepare}
9252 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
9253 \def\baselinestretch{\m@m@footnote@spacing}%
9254 \reset@font\LTRfoottextfont
9255 \@preamfntext
9256 \protected@edef\@currentlabel{%
9257 \csname p@footnote\endcsname\@thefnmark}%
9258 \color@begingroup
9259 \@ninecolLTRfootfmt{#1}%
9260 \color@endgroup}%
9261 \m@mmf@prepare}
9262 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9263 \def\baselinestretch{\m@m@footnote@spacing}%
9264 \reset@font\RTLfoottextfont
9265 \@preamfntext
9266 \protected@edef\@currentlabel{%
9267 \csname p@footnote\endcsname\@thefnmark}%
9268 \color@begingroup
9269 \@ninecolRTLfootfmt{#1}%
9270 \color@endgroup}%
9271 \m@mmf@prepare}
9272 \bidi@ensure@newcommand{\@preamninefmt}{%
9273 \hsize .1\hsize
9274 \parindent=\z@
9275 \tolerance=5000\relax
9276 \leavevmode}
9277 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9278 \@preamninefmt
9279 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9280 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9281 \@preamninefmt
9282 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9283 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9284 \@preamninefmt
9285 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9286 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9287 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9288 \unvbox\@mpfootinsv@r
9289 \def\baselinestretch{\m@m@footnote@spacing}%
9290 \reset@font\foottextfont
9291 \hsize\columnwidth \@parboxrestore
9292 \protected@edef\@currentlabel{%
9293 \csname p@mpfootnote\endcsname\@thefnmark}%
9294 \color@begingroup
9295 \@ninecolfootfmt{#1}%
9296 \color@endgroup}%
9297 \m@mmf@prepare}
9298 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9299 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9300 \unvbox\@mpfootinsv@r

```



```

9301 \def\baselinestretch{\m@m@footnote@spacing}%
9302 \reset@font\LTRfoottextfont
9303 \hsize\columnwidth \@parboxrestore
9304 \if@RTLcolumnfootnotes\beginL\fi
9305 \protected@edef\@currentlabel{%
9306   \csname p@mpfootnote\endcsname\@thefnmark}%
9307 \color@begingroup
9308   \@ninecolLTRfootfmt{#1}%
9309 \color@endgroup}%
9310 \m@mmf@prepare}
9311 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9312   \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
9313     \unvbox\@mpfootinsv@r
9314     \def\baselinestretch{\m@m@footnote@spacing}%
9315     \reset@font\RTLfoottextfont
9316     \hsize\columnwidth \@parboxrestore
9317     \protected@edef\@currentlabel{%
9318       \csname p@mpfootnote\endcsname\@thefnmark}%
9319     \color@begingroup
9320       \@ninecolRTLfootfmt{#1}%
9321     \color@endgroup}%
9322     \m@mmf@prepare}
9323 \bidi@ensure@newcommand{\@ninecolumnfootstyle}[1]{%
9324   \m@make@ninecolfootnotetext{#1}%
9325   \m@make@mpninecolfootnotetext{#1}%
9326   \m@make@ninecolfootfmt{#1}%
9327   \m@make@ninecol@footgroup{#1}%
9328   \m@make@mpninecol@footgroup{#1}%
9329   \m@make@footstart{#1}%
9330   \bidi@namelongdef{\@footnotetext#1}##1{%
9331     \@nameuse{\@ninecolfootnotetext#1}##1}%
9332   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9333     \@nameuse{\@mpninecolfootnotetext#1}##1}%
9334   \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
9335   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
9336   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9337   \expandafter\count\csname footins#1\endcsname=500\relax}
9338 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9339   \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
9340     \insert\@nameuse{footins#1}{%
9341       \def\baselinestretch{\m@m@footnote@spacing}%
9342       \reset@font\@nameuse{foottextfont#1}%
9343       \@preamfntext
9344       \protected@edef\@currentlabel{%
9345         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9346       \color@begingroup
9347         \@nameuse{\@ninecolfootfmt#1}##1}%
9348       \color@endgroup}%
9349     \m@mmf@prepare}}
9350 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%

```



```

9351 \bidi@namelongdef{@mpninecolfootnotetext#1}##1{%
9352 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9353 \unvbox\@nameuse{@mpfootins#1}
9354 \def\baselinestretch{\m@m@footnote@spacing}%
9355 \reset@font\@nameuse{foottextfont#1}%
9356 \hsize\columnwidth \@parboxrestore
9357 \protected@edef\@currentlabel{%
9358 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9359 \color@begingroup
9360 \@nameuse{@ninecolfootfmt#1}{##1}%
9361 \color@endgroup}\m@mmf@prepare}}
9362 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
9363 \@namedef{@ninecolfootfmt#1}##1{%
9364 \@preamninefmt
9365 {\@nameuse{footfootmark#1}\strut
9366 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9367 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9368 \@namedef{@ninecol@footgroup#1}{%
9369 \def\baselinestretch{\m@m@footnote@spacing}%
9370 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9371 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
9372 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
9373 \@namedef{@mpninecol@footgroup#1}{%
9374 \def\baselinestretch{\m@m@footnote@spacing}%
9375 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9376 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
9377 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9378 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9379 \let\@footnotetext\@tencolfootnotetext
9380 \let\@LTRfootnotetext\@tencolLTRfootnotetext
9381 \let\@RTLfootnotetext\@tencolRTLfootnotetext
9382 \dimen\footinsv@r=10\footinsdim
9383 \count\footinsv@r=100\relax
9384 \m@make@tencol@footgroup{v@r}%
9385 \let\@footgroupv@r\@tencol@footgroupv@r
9386 \let\@mpfootnotetext\@mptencolfootnotetext
9387 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9388 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9389 \m@make@mptencol@footgroup{v@r}%
9390 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
9391 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9392 \def\baselinestretch{\m@m@footnote@spacing}%
9393 \reset@font\foottextfont
9394 \@preamfntext
9395 \protected@edef\@currentlabel{%
9396 \csname p@footnote\endcsname\@thefnmark}%
9397 \color@begingroup
9398 \@tencolfootfmt{#1}%
9399 \color@endgroup}%
9400 \m@mmf@prepare}

```



```

9401 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9402 \def\baselinestretch{\m@m@footnote@spacing}%
9403 \reset@font\LTRfoottextfont
9404 \@preamfntext
9405 \protected@edef\@currentlabel{%
9406 \csname p@footnote\endcsname\@thefnmark}%
9407 \color@begingroup
9408 \@tencolLTRfootfmt{#1}%
9409 \color@endgroup}%
9410 \m@mmf@prepare}
9411 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9412 \def\baselinestretch{\m@m@footnote@spacing}%
9413 \reset@font\RTLfoottextfont
9414 \@preamfntext
9415 \protected@edef\@currentlabel{%
9416 \csname p@footnote\endcsname\@thefnmark}%
9417 \color@begingroup
9418 \@tencolRTLfootfmt{#1}%
9419 \color@endgroup}%
9420 \m@mmf@prepare}
9421 \bidi@ensure@newcommand{\@preamtenfmt}{%
9422 \hsize .1\hsize
9423 \parindent=\z@
9424 \tolerance=5000\relax
9425 \leavevmode}
9426 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9427 \@preamtenfmt
9428 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9429 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9430 \@preamtenfmt
9431 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9432 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9433 \@preamtenfmt
9434 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9435 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9436 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9437 \unvbox\@mpfootinsv@r
9438 \def\baselinestretch{\m@m@footnote@spacing}%
9439 \reset@font\foottextfont
9440 \hsize\columnwidth \@parboxrestore
9441 \protected@edef\@currentlabel{%
9442 \csname p@mpfootnote\endcsname\@thefnmark}%
9443 \color@begingroup
9444 \@tencolfootfmt{#1}%
9445 \color@endgroup}%
9446 \m@mmf@prepare}
9447 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9448 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9449 \unvbox\@mpfootinsv@r
9450 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9451 \reset@font\LTRfoottextfont
9452 \hsize\columnwidth \@parboxrestore
9453 \if@RTLcolumnfootnotes\beginL\fi
9454 \protected@edef\@currentlabel{%
9455     \csname p@mpfootnote\endcsname\@thefnmark}%
9456 \color@begingroup
9457     \@tencolLTRfootfmt{#1}%
9458 \color@endgroup}%
9459 \m@mmf@prepare}
9460 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9461     \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9462         \unvbox\@mpfootinsv@r
9463         \def\baselinestretch{\m@m@footnote@spacing}%
9464         \reset@font\RTLfoottextfont
9465         \hsize\columnwidth \@parboxrestore
9466         \protected@edef\@currentlabel{%
9467             \csname p@mpfootnote\endcsname\@thefnmark}%
9468         \color@begingroup
9469             \@tencolRTLfootfmt{#1}%
9470         \color@endgroup}%
9471         \m@mmf@prepare}
9472 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9473     \m@make@tencolfootnotetext{#1}%
9474     \m@make@mptencolfootnotetext{#1}%
9475     \m@make@tencolfootfmt{#1}%
9476     \m@make@tencol@footgroup{#1}%
9477     \m@make@mptencol@footgroup{#1}%
9478     \m@make@footstart{#1}%
9479     \bidi@namelongdef{\@footnotetext#1}##1{%
9480         \@nameuse{\@tencolfootnotetext#1}{##1}}%
9481     \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9482         \@nameuse{\@mptencolfootnotetext#1}{##1}}%
9483     \@namedef{\@footgroup#1}{\@nameuse{\@tencol@footgroup#1}}%
9484     \@namedef{\@mp@footgroup#1}{\@nameuse{\@mptencol@footgroup#1}}%
9485     \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9486     \expandafter\count\csname footins#1\endcsname=500\relax}
9487 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9488     \bidi@namelongdef{\@tencolfootnotetext#1}##1{%
9489         \insert\@nameuse{footins#1}{%
9490             \def\baselinestretch{\m@m@footnote@spacing}%
9491             \reset@font\@nameuse{foottextfont#1}%
9492             \@preamfntext
9493             \protected@edef\@currentlabel{%
9494                 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9495             \color@begingroup
9496                 \@nameuse{\@tencolfootfmt#1}{##1}%
9497             \color@endgroup}%
9498             \m@mmf@prepare}}
9499 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9500 \bidi@namelongdef{\@mptencolfootnotetext#1}##1{%

```



```

9501 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9502   \unvbox\@nameuse{@mpfootins#1}
9503   \def\baselinestretch{\m@m@footnote@spacing}%
9504   \reset@font\@nameuse{foottextfont#1}%
9505   \hsize\columnwidth \@parboxrestore
9506   \protected@edef\@currentlabel{%
9507     \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9508   \color@begingroup
9509     \@nameuse{@tencolfootfmt#1}{##1}%
9510   \color@endgroup}\m@mmf@prepare}}
9511 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9512   \namedef{@tencolfootfmt#1}##1{%
9513     \preamtenfmt
9514     {\@nameuse{footfootmark#1}\strut
9515      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9516 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9517   \namedef{@tencol@footgroup#1}{%
9518     \def\baselinestretch{\m@m@footnote@spacing}%
9519     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9520     \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
9521 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9522   \namedef{@mptencol@footgroup#1}{%
9523     \def\baselinestretch{\m@m@footnote@spacing}%
9524     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9525     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}%
9526 \bidi@ensure@newcommand{\m@munvxh}[1]{%
9527   \setbox0=\vbox{\unvbox#1%
9528     \global\setbox1=\lastbox}%
9529   \unhbox1
9530   \unskip
9531   \unskip
9532   \unpenalty
9533   \hskip\m@mipn@skip}
9534 \bidi@ensure@newcommand{\m@mungebox}{%
9535   \setbox0=\hbox{\m@munvxh0}%
9536   \dp0=\z@
9537   \ht0=\footfudgefactor\wd0
9538   \box0
9539   \penalty0}
9540 \newskip\m@mipn@skip
9541 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
9542   {\foottextfont\global\m@mipn@skip=#1\relax}}
9543 \m@minterparanoteglua{1em plus.4em minus.4em}
9544 \ifpackageloaded{multicol}{%
9545   \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9546     \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9547     \hsize\textwidth%
9548     \setbox0=\hbox{}%
9549     \loop
9550       \unpenalty

```



```

9551 \setbox2=\lastbox
9552 \ifhbox2
9553 \setbox0=\hbox{\box2\unhbox0}
9554 \repeat}
9555 }{%
9556 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9557 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9558 \setbox0=\hbox{}}%
9559 \loop
9560 \unpenalty
9561 \setbox2=\lastbox
9562 \ifhbox2
9563 \setbox0=\hbox{\box2\unhbox0}
9564 \repeat}}
9565 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
9566 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
9567 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
9568 \bidi@ensure@newcommand{\paragraphfootnotes}{%
9569 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9570 \let\@footnotetext\@parafootnotetext
9571 \let\@LTRfootnotetext\@paraLTRfootnotetext
9572 \let\@RTLfootnotetext\@paraRTLfootnotetext
9573 \dimen\footinsv@r=\footinsdim
9574 \count\footinsv@r=1000\relax
9575 \m@make@para@footgroup{v@r}%
9576 \let\@footgroupv@r\@para@footgroupv@r
9577 \let\@mpfootnotetext\@mpparafootnotetext
9578 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
9579 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9580 \m@make@mppara@footgroup{v@r}%
9581 \let\mp@footgroupv@r\@mppara@footgroupv@r
9582 {\def\baselinestretch{\m@m@footnote@spacing}%
9583 \foottextfont
9584 \dimen0=\baselineskip
9585 \multiply\dimen0 by 1024
9586 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9587 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9588 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9589 \let\bidi@RTL@everypar\@empty%
9590 \def\baselinestretch{\m@m@footnote@spacing}%
9591 \reset@font\foottextfont
9592 \@preamfntext
9593 \protected@edef\@currentlabel{%
9594 \csname p@footnote\endcsname\@thefnmark}%
9595 \setbox0=\vbox{\hsize=\maxdimen
9596 \color@begingroup
9597 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9598 \color@endgroup}%
9599 \m@mungebox}\m@mmf@prepare}
9600 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%

```



```

g601 \let\bid RTL@everypar\@empty%
g602 \def\baselinestretch{\m@footnote@spacing}%
g603 \reset@font\LTRfoottextfont
g604 \@preamfntext
g605 \protected@edef\@currentlabel{%
g606   \csname p@footnote\endcsname\@thefnmark}%
g607 \setbox0=\vbox{\hsize=\maxdimen
g608   \color@begingroup
g609     \noindent \@paraLTRfootfmt{\beginL#1\endL}%
g610   \color@endgroup}%
g611 \m@ungebox}\m@mmf@prepare}
g612 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
g613   \let\bid RTL@everypar\@empty%
g614   \def\baselinestretch{\m@footnote@spacing}%
g615   \reset@font\RTLfoottextfont
g616   \@preamfntext
g617   \protected@edef\@currentlabel{%
g618     \csname p@footnote\endcsname\@thefnmark}%
g619   \setbox0=\vbox{\hsize=\maxdimen
g620     \color@begingroup
g621       \noindent \@paraRTLfootfmt{\beginR#1\endR}%
g622     \color@endgroup}%
g623   \m@ungebox}\m@mmf@prepare}
g624 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
g625   \parindent=\z@
g626   \parfillskip=Opt \@plus 1fil
g627   {\footfootmark\strut {\foottextfont #1}\penalty-10}}
g628 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
g629   \parindent=\z@
g630   \parfillskip=Opt \@plus 1fil
g631   {\footfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
g632 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
g633   \parindent=\z@
g634   \parfillskip=Opt \@plus 1fil
g635   {\footfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
g636 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
g637   \global\setbox\@mpfootinsv@r\vbox{%
g638     \let\bid RTL@everypar\@empty%
g639     \unvbox\@mpfootinsv@r
g640     \def\baselinestretch{\m@footnote@spacing}%
g641     \reset@font\foottextfont
g642     \hsize\columnwidth \@parboxrestore
g643     \protected@edef\@currentlabel{%
g644       \csname p@mpfootnote\endcsname\@thefnmark}%
g645     \setbox0=\vbox{\hsize=\maxdimen
g646       \color@begingroup
g647         \noindent \@parafootfmt{\if RTL@footnote\beginR\else\beginL\fi#1\if RTL@footnote\endR\else
g648         \color@endgroup}%
g649     \m@ungebox}\m@mmf@prepare}
g650 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%

```




```

9651 \global\setbox\@mpfootinsv@r\vbox{%
9652 \let\@bidi@RTL@everypar\@empty%
9653 \unvbox\@mpfootinsv@r
9654 \def\baselinestretch{\m@m@footnote@spacing}%
9655 \reset@font\LTRfoottextfont
9656 \hsize\columnwidth \@parboxrestore
9657 \protected@edef\@currentlabel{%
9658 \csname p@mpfootnote\endcsname\@thefnmark}%
9659 \setbox0=\vbox{\hsize=\maxdimen
9660 \color@begingroup
9661 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9662 \color@endgroup}%
9663 \m@mungebox}\m@mmf@prepare}
9664 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9665 \global\setbox\@mpfootinsv@r\vbox{%
9666 \let\@bidi@RTL@everypar\@empty%
9667 \unvbox\@mpfootinsv@r
9668 \def\baselinestretch{\m@m@footnote@spacing}%
9669 \reset@font\RTLfoottextfont
9670 \hsize\columnwidth \@parboxrestore
9671 \protected@edef\@currentlabel{%
9672 \csname p@mpfootnote\endcsname\@thefnmark}%
9673 \setbox0=\vbox{\hsize=\maxdimen
9674 \color@begingroup
9675 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9676 \color@endgroup}%
9677 \m@mungebox}\m@mmf@prepare}
9678 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9679 \m@make@parafootnotetext{#1}%
9680 \m@make@mpparafootnotetext{#1}%
9681 \m@make@parafootfmt{#1}%
9682 \m@make@para@footgroup{#1}%
9683 \m@make@mppara@footgroup{#1}%
9684 \m@make@para@footstart{#1}%
9685 \bidi@namelongdef{\@footnotetext#1}##1{%
9686 \@nameuse{\@parafootnotetext#1}{##1}}%
9687 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9688 \@nameuse{\@mpparafootnotetext#1}{##1}}%
9689 \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
9690 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
9691 \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
9692 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9693 \expandafter\count\csname footins#1\endcsname=1000\relax
9694 {\def\baselinestretch{\m@m@footnote@spacing}%
9695 \@nameuse{\foottextfont#1}%
9696 \dimen0=\baselineskip
9697 \multiply\dimen0 by 1024
9698 \divide\dimen0 by \hsize \multiply\dimen0 by 64
9699 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9700 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%

```



```

9701 \bidi@namelongdef{@parafootnotetext#1}##1{%
9702 \insert\@nameuse{footins#1}{
9703 \def\baselinestretch{\m@m@footnote@spacing}%
9704 \reset@font\@nameuse{foottextfont#1}%
9705 \@preamfntext
9706 \protected@edef\@currentlabel{%
9707 \csname p@footnote#1\endcsname \@nameuse{thefnmark#1}}%
9708 \setbox0=\vbox{\hsize=\maxdimen
9709 \color@begingroup
9710 \noindent \@nameuse{@parafootfmt#1}-##1}%
9711 \color@endgroup}%
9712 \m@mungebox}\m@mmf@prepare}}
9713 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9714 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
9715 \global\setbox\@nameuse{mpfootins#1}\vbox{%
9716 \unvbox\@nameuse{mpfootins#1}
9717 \def\baselinestretch{\m@m@footnote@spacing}%
9718 \reset@font\@nameuse{foottextfont#1}%
9719 \hsize\columnwidth \@parboxrestore
9720 \protected@edef\@currentlabel{%
9721 \csname p@mpfootnote#1\endcsname \@nameuse{thefnmark#1}}%
9722 \setbox0=\vbox{\hsize=\maxdimen
9723 \color@begingroup
9724 \noindent \@nameuse{@parafootfmt#1}-##1}%
9725 \color@endgroup}%
9726 \m@mungebox}\m@mmf@prepare}}
9727 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9728 \bidi@namelongdef{@parafootfmt#1}##1{%
9729 \parindent=\z@
9730 \parfillskip=0pt \@plus 1fil
9731 {\@nameuse{footfootmark#1}\strut
9732 {\@nameuse{foottextfont#1}-##1}\penalty-10}}
9733 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9734 \@namedef{@para@footgroup#1}{%
9735 \unvbox\@nameuse{footins#1}
9736 \m@mmakehboxofhboxes
9737 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9738 \@nameuse{foottextfont#1}%
9739 \noindent\unhbox0\par}}
9740 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9741 \@namedef{@mppara@footgroup#1}{%
9742 \unvbox\@nameuse{mpfootins#1}
9743 \m@mmakehboxofhboxes
9744 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9745 \@nameuse{foottextfont#1}%
9746 \noindent\unhbox0\par}}
9747 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9748 \@namedef{@para@footstart#1}{%
9749 \vskip\bigskipamount
9750 \leftskip=\z@

```



```

9751 \rightskip=\z@
9752 \parindent=\z@
9753 \vskip\skip\@nameuse{footins#1}%
9754 \footnoterule}}
9755 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
9756 \xdef\@freelist{\@freelist\@midlist}%
9757 \global\let\@midlist\@empty
9758 \@combinefloats}
9759 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
9760 \ifvbox\@kludgeins
9761 \@makespecialcolbox
9762 \else
9763 \setbox\@outputbox \vbox to\@colht{%
9764 \texttop
9765 \dimen@ \dp\@outputbox
9766 \unvbox \@outputbox
9767 \vskip -\dimen@
9768 \textbottom}%
9769 \fi}
9770 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
9771 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
9772 \boxmaxdepth\@maxdepth
9773 \@tempdima\dp\@cclv
9774 \unvbox\@cclv
9775 \vskip-\@tempdima
9776 \vskip \skip\footins
9777 \color@begingroup
9778 \normalcolor
9779 \footnoterule
9780 \unvbox \footins
9781 \color@endgroup}}
9782 \bidi@ensure@newcommand*{\m@mopsidebar}{%
9783 \ifvoid\sideins\else
9784 \setbox\@outputbox \vbox{%
9785 \sidecontents
9786 \unvbox\@outputbox}
9787 \fi}
9788 \gdef\mem@makecol{%
9789 \m@m@makecolintro
9790 \ifvoid\footins
9791 \setbox\@outputbox \box\@cclv
9792 \else
9793 \m@mopfootnote
9794 \fi
9795 \m@m@doextrafeet
9796 \m@m@makecolfloats
9797 \m@mopsidebar
9798 \m@m@makecoltext
9799 \global \maxdepth \@maxdepth}
9800 \bidi@ensure@newcommand{\feetabovelfloat}{\gdef\@makecol{\mem@makecol}}

```



g801 \feetabovelfloat%

7.56 extreport-xetex-bidi.def

```
g802 \ProvidesFile{extreport-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extreport class for
g803 \renewcommand*{\l@part[2]{%
g804   \ifnum \c@tocdepth >-2\relax
g805     \addpenalty{-\@highpenalty}%
g806     \addvspace{2.25em \@plus\p@}%
g807     \begingroup
g808       \setlength\@tempdima{3em}%
g809       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
g810       \parfillskip -\@pnumwidth
g811       {\leavevmode
g812         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
g813       \nobreak
g814       \global\@nobreaktrue
g815       \everypar{\global\@nobreakfalse\everypar{}}%
g816     \endgroup
g817   \fi}
g818 \renewcommand*{\l@chapter[2]{%
g819   \ifnum \c@tocdepth >\m@ne
g820     \addpenalty{-\@highpenalty}%
g821     \vskip 1.0em \@plus\p@
g822     \setlength\@tempdima{1.5em}%
g823     \begingroup
g824       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
g825       \parfillskip -\@pnumwidth
g826       \leavevmode \bfseries
g827       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
g828       \hskip -\if@RTL\rightskip\else\leftskip\fi
g829       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
g830       \penalty\@highpenalty
g831     \endgroup
g832   \fi}
g833 \def\@makechapterhead#1{%
g834   \vspace*{50\p@}%
g835   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
g836     \ifnum \c@secnumdepth >\m@ne
g837       \huge\bfseries \@chapapp\space \thechapter
g838       \par\nobreak
g839       \vskip 20\p@
g840     \fi
g841     \interlinepenalty\@M
g842     \Huge \bfseries #1\par\nobreak
g843     \vskip 40\p@
g844   }}
g845 \def\@makeschapterhead#1{%
g846   \vspace*{50\p@}%
g847   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
```



```

9848 \normalfont
9849 \interlinepenalty\@M
9850 \Huge \bfseries #1\par\nobreak
9851 \vskip 40\p@
9852 }}
9853 \renewcommand\left@footnoterule{%
9854 \kern-3\p@
9855 \hrule\@width.4\columnwidth
9856 \kern2.6\p@}
9857 \renewcommand\right@footnoterule{%
9858 \kern-3\p@
9859 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9860 \kern2.6\p@}
9861 \renewenvironment{thebibliography}[1]
9862 {\chapter*{\bibname
9863 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9864 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9865 \list{\@biblabel{\@arabic\c@enumiv}}%
9866 {\settowidth\labelwidth{\@biblabel{#1}}%
9867 \leftmargin\labelwidth
9868 \advance\leftmargin\labelsep
9869 \@openbib@code
9870 \usecounter{enumiv}%
9871 \let\p@enumiv\@empty
9872 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9873 \sloppy\clubpenalty4000\widowpenalty4000%
9874 \sfcode`\.\@m}
9875 {\def\@noitemerr
9876 {\@latex@warning{Empty `thebibliography' environment}}}%
9877 \endlist}
9878 \if@titlepage
9879 \renewcommand\maketitle{\begin{titlepage}%
9880 \let\footnotesize\small
9881 \let\right@footnoterule\relax
9882 \let\left@footnoterule\relax
9883 \let\textwidth\footnoterule\relax
9884 \let \footnote \thanks
9885 \null\vfil
9886 \vskip 60\p@
9887 \begin{center}%
9888 {\LARGE \@title \par}%
9889 \vskip 3em%
9890 {\large
9891 \lineskip .75em%
9892 \begin{tabular}[t]{c}%
9893 \@author
9894 \end{tabular}\par}%
9895 \vskip 1.5em%
9896 {\large \@date \par}% % Set date in \large size.
9897 \end{center}\par

```



```

9898 \@thanks
9899 \vfil\null
9900 \end{titlepage}%
9901 \setcounter{footnote}{0}%
9902 \global\let\thanks\relax
9903 \global\let\maketitle\relax
9904 \global\let\@thanks\@empty
9905 \global\let\@author\@empty
9906 \global\let\@date\@empty
9907 \global\let\@title\@empty
9908 \global\let\title\relax
9909 \global\let\author\relax
9910 \global\let\date\relax
9911 \global\let\and\relax
9912 }
9913 \else
9914 \renewcommand\maketitle{\par
9915 \begingroup
9916 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9917 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9918 \long\def\@makefntext##1{\parindent 1em\noindent
9919 \hb@xt@1.8em{%
9920 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9921 \if@twocolumn
9922 \ifnum \col@number=\@ne
9923 \@maketitle
9924 \else
9925 \twocolumn[\@maketitle]%
9926 \fi
9927 \else
9928 \newpage
9929 \global\@topnum\z@ % Prevents figures from going at top of page.
9930 \@maketitle
9931 \fi
9932 \thispagestyle{plain}\@thanks
9933 \endgroup
9934 \setcounter{footnote}{0}%
9935 \global\let\thanks\relax
9936 \global\let\maketitle\relax
9937 \global\let\@maketitle\relax
9938 \global\let\@thanks\@empty
9939 \global\let\@author\@empty
9940 \global\let\@date\@empty
9941 \global\let\@title\@empty
9942 \global\let\title\relax
9943 \global\let\author\relax
9944 \global\let\date\relax
9945 \global\let\and\relax
9946 }
9947 \def\@maketitle{%

```



```

9948 \newpage
9949 \null
9950 \vskip 2em%
9951 \begin{center}%
9952 \let \footnote \thanks
9953 {\LARGE \@title \par}%
9954 \vskip 1.5em%
9955 {\large
9956 \lineskip .5em%
9957 \begin{tabular}[t]{c}%
9958 \@author
9959 \end{tabular}\par}%
9960 \vskip 1em%
9961 {\large \@date}%
9962 \end{center}%
9963 \par
9964 \vskip 1.5em}
9965 \fi
9966 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
9967 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9968 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9969 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9970 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9971 \renewcommand\theequation{%
9972 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9973 \renewcommand\thefigure{%
9974 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9975 \renewcommand\thetable{%
9976 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

7.57 fancybox-xetex-bidi.def

```

9977 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
9978 \def\fancy@oval#1#2#3{%
9979 \boxmaxdepth \maxdimen
9980 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
9981 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
9982 \@ovxx#1\relax
9983 \advance\@ovxx-\@wholewidth
9984 \@ovyy#2\relax
9985 \advance\@ovyy-\@wholewidth
9986 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
9987 \advance\@tempdimb-2\p@
9988 \ifdim\@tempdimb>\the@cornersize\relax
9989 \@tempdimb=\the@cornersize
9990 \fi
9991 \@getcirc\@tempdimb
9992 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
9993 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
9994 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@

```



```

9995 \@circlefnt
9996 \setbox\@tempboxa\hbox{\beginL%
9997   \if@ovr \@ovvert32\kern -\@tempdima \fi
9998   \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
9999   \if@ovt \@ovhorz \kern -\@ovxx \fi
10000   \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10001 \advance\@ovdx\@ovro
10002 \advance\@ovdy\@ovro
10003 \advance\@ovxx\@wholewidth
10004 \wd\@tempboxa=\@ovxx
10005 \dp\@tempboxa=\z@}

```

7.58 fancyhdr-xetex-bidi.def

```

10006 \ProvidesFile{fancyhdr-xetex-bidi.def}[2012/04/18 v0.4 bidi adaptations for fancyhdr package for X
10007 \let\fnch@everypar\everypar%
10008 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
10009   \@fancyvbox\headheight{\hbox
10010     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
10011       \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else
10012       \llap{\parbox[b]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma
10013 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
10014   \@fancyvbox\footskip{\footrule
10015     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
10016     \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\els
10017     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma

```

7.59 fix2col-xetex-bidi.def

```

10018 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for X
10019 \def\RTL@outputdblcol{%
10020   \if@firstcolumn
10021     \global\@firstcolumnfalse
10022     \global\setbox\@leftcolumn\copy\@outputbox
10023     \splitmaxdepth\maxdimen
10024     \vbadness\maxdimen
10025     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10026     \toks@\expandafter{\topmark}%
10027     \xdef\@firstcoltopmark{\the\toks@}%
10028     \toks@\expandafter{\splitfirstmark}%
10029     \xdef\@firstcolfirstmark{\the\toks@}%
10030     \ifx\@firstcolfirstmark\@empty
10031       \global\let\@setmarks\relax
10032     \else
10033       \gdef\@setmarks{%
10034         \let\firstmark\@firstcolfirstmark
10035         \let\topmark\@firstcoltopmark}%
10036     \fi
10037 \else \global\@firstcolumntrue
10038 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10039 \hskip \columnwidth

```




```

10040 \hfil \vrule width\columnseprule \hfil
10041 \hbox to\columnwidth {\box\@leftcolumn \hss}%
10042 \hskip -\textwidth
10043 \hbox to\columnwidth{\box\@outputbox \hss}%
10044 \hskip \columnsep
10045 \hskip \columnwidth }}%
10046 \@combinedblfloats \@setmarks \@outputpage
10047 \beginingroup \@dblfloatplacement \@startdblcolumn
10048 \@whiles\if@fcolmade \fi
10049 {\@outputpage \@startdblcolumn }\endgroup
10050 \fi}
10051 \def\LTR@outputdblcol{%
10052   \if@firstcolumn
10053     \global\@firstcolumnfalse
10054     \global\setbox\@leftcolumn\copy\@outputbox
10055     \splitmaxdepth\maxdimen
10056     \vbadness\maxdimen
10057     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10058     \toks@\expandafter{\topmark}%
10059     \xdef\@firstcoltopmark{\the\toks@}%
10060     \toks@\expandafter{\splitfirstmark}%
10061     \xdef\@firstcolfirstmark{\the\toks@}%
10062     \ifx\@firstcolfirstmark\@empty
10063       \global\let\@setmarks\relax
10064     \else
10065       \gdef\@setmarks{%
10066         \let\firstmark\@firstcolfirstmark
10067         \let\topmark\@firstcoltopmark}%
10068     \fi
10069   \else
10070     \global\@firstcolumntrue
10071     \setbox\@outputbox\vbox{%
10072       \hb@xt@\textwidth{%
10073         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10074         \hfil
10075         \vrule \@width\columnseprule
10076         \hfil
10077         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10078   \@combinedblfloats
10079   \@setmarks
10080   \@outputpage
10081   \beginingroup
10082     \@dblfloatplacement
10083     \@startdblcolumn
10084     \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10085   \endgroup
10086 \fi}

```

7.60 fleqn-xetex-bidi.def



```

10087 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX eng
10088 \renewcommand\[{ \relax
10089             \ifmmode \@badmath
10090             \else
10091             \begin{trivlist}%
10092             \@beginparpenalty\predisplaypenalty
10093             \@endparpenalty\postdisplaypenalty
10094             \item[]\leavevmode
10095             \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10096             \hskip\mathindent\bgroup
10097             \fi}
10098 \renewcommand\}[{ \relax
10099             \ifmmode
10100             \egroup $\hfil% $
10101             \endL\egroup
10102             \end{trivlist}%
10103             \else \@badmath
10104             \fi}
10105 \renewenvironment{equation}%
10106 {\@beginparpenalty\predisplaypenalty
10107 \@endparpenalty\postdisplaypenalty
10108 \refstepcounter{equation}%
10109 \trivlist \item[]\leavevmode
10110 \hb@xt@\linewidth\bgroup\beginL $ \m@th% $
10111 \displaystyle
10112 \hskip\mathindent}%
10113 {$\hfil % $
10114 \displaywidth\linewidth\hbox{\@eqnnum}%
10115 \endL\egroup
10116 \endtrivlist}

```

7.61 float-xetex-bidi.def

```

10117 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX
10118 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10119 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10120 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10121 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10122 \expandafter\edef\csname the#1\endcsname{%
10123 \expandafter\noexpand\csname
10124 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10125 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

7.62 floatrow-xetex-bidi.def

```

10126 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for
10127 \renewcommand\flnew@within[1]{\@addtoreset{FB@captop}{#1}%
10128 \expandafter\edef\csname the\FB@captop\endcsname{%
10129 \expandafter\noexpand\csname
10130 the#1\endcsname\@SepMark\noexpand\arabic{\FB@captop}}}

```



7.63 flowfram-xetex-bidi.def

```

10131 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for
10132 \def\@outputdblcol{%
10133 \@nxtcol=\c@thisframe
10134 \c@curpg=\c@page
10135 \g@tnextcol{\@nxtcol}%
10136 \iff@nwpg % next flow frame starts on new page
10137 \global\@firstcolumntrue
10138 \setcolbox\c@thisframe
10139 \iff@specialpage
10140 \global\@specialpagefalse
10141 \nameuse{ps@\@specialstyle}\relax
10142 \fi
10143 \iff@twoside
10144 \ifodd\count\z@
10145 \let\@thehead\@oddhead
10146 \let\@thefoot\@oddfoot
10147 \else
10148 \let\@thehead\@evenhead
10149 \let\@thefoot\@evenfoot
10150 \fi
10151 \else
10152 \let\@thehead\@oddhead
10153 \let\@thefoot\@oddfoot
10154 \fi
10155 \@begindvi
10156 \dodynamicthehead\dodynamicthefoot
10157 \vbadness=\@M
10158 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10159 \@combinedblfloats
10160 \@outputpage
10161 \advance\c@curpg by -\c@page\relax
10162 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10163 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10164 \@outputpage}
10165 \begingroup
10166 \dblfloatplacement
10167 \startdblcolumn
10168 \whiles\iffcolmade \fi
10169 {\@outputpage \startdblcolumn }\endgroup
10170 \resetst@tics
10171 \resetdyn@mics
10172 \else % still on same page, save contents of box255
10173 \global\@firstcolumnfalse
10174 \setcolbox\c@thisframe
10175 \fi
10176 \global\c@thisframe=\@nxtcol
10177 \setcol{\c@thisframe}\relax
10178 \global\colht\vsiz

```



```

10179 }
10180 \def\@outputpage{%
10181 \beginingroup
10182 \let\protect\noexpand
10183 \@resetactivechars
10184 \global\let\@@if@newlist@if@newlist
10185 \global\@newlistfalse\@parboxrestore
10186 \shipout\vbox{\set@typeset@protect
10187 \aftergroup
10188 \endgroup
10189 \aftergroup
10190 \set@typeset@protect
10191 \reset@font\normalsize\normalsfcodes
10192 \let\label\@gobble
10193 \let\index\@gobble
10194 \let\glossary\@gobble
10195 \baselineskip\z@skip
10196 \lineskip\z@skip
10197 \lineskiplimit\z@
10198 \vskip\topmargin\moveright\@themargin
10199 \vbox{%
10200 \vskip\headheight
10201 \vskip\headsep
10202 \box\@outputbox
10203 }}%
10204 \global\let@if@newlist\@@if@newlist
10205 \stepcounter{page}%
10206 \setcounter{displayedframe}{0}%
10207 \let\firstmark\botmark}
10208
10209
10210 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{ }{%
10211 \expandafter\bidicolor\ff@txtcol}}
10212
10213 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10214 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
10215
10216
10217 \renewcommand*\{@docolbox}[1]{%
10218 \edef\ff@frametype{%
10219 \csname @ff@frametype@\romannumeral#1\endcsname}%
10220 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10221 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10222 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10223 \@ff@setoffset{#1}%
10224 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10225 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
10226 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10227 {\csname colheight\romannumeral#1\endcsname}{%
10228 \expandafter\box\csname column\romannumeral#1\endcsname}{%

```



```

10229 \csname\ff@frametype\endcsname}%
10230 }{%
10231 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10232 {\csname colheight\romannumeral#1\endcsname}{%
10233 \expandafter\box\csname column\romannumeral#1\endcsname}%
10234 }}}
10235 \@ifclassloaded{book}{%
10236 \renewcommand\theequation
10237 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10238 \renewcommand\thefigure
10239 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10240 \renewcommand\thetable
10241 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10242 \renewcommand\thechapter {\@arabic\c@chapter}
10243 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10244 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10245 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10246 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10247 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10248 \@ifclassloaded{report}{%
10249 \renewcommand\theequation
10250 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10251 \renewcommand\thefigure
10252 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10253 \renewcommand\thetable
10254 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10255 \renewcommand\thechapter {\@arabic\c@chapter}
10256 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10257 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10258 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10259 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10260 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10261 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10262 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10263 }else
10264 #2\relax
10265 \fi}

```

7.64 footnote-xetex-bidi.def

```

10266 \ProvidesFile{footnote-xetex-bidi.def}[2015/11/14 v0.9 bidi footnote macros for XeTeX engine]
10267 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10268 \newif\ifbidi@autofootnoterule
10269 \def\bidi@mpfootnoterule{\footnoterule}
10270 \newcounter{footdir@label}
10271 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
10272 \newcommand*{\footdir@write}{%
10273 \stepcounter{footdir@label}%
10274 \zref@labelbyprops{\thefootdir@label}{abspage}%
10275 }

```



```

10276 \newif\iffootdir@debug
10277 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10278 \newtoks\footdir@toks
10279 \newcommand*{\footdir@debug}[1]{%
10280   \iffootdir@debug
10281     \typeout{[footdir] #1}%
10282   \fi
10283 }
10284 \@ifpackagelater{zref-abspage}{2012/10/27}{%
10285   \newcommand*{\footdir@LeftRightElse}{%
10286     \ltx@ifundefined{footdir@the\value{zabspage}}{%
10287       \footdir@debug{abspage \the\value{zabspage}: else}%
10288       \ltx@thirdofthree
10289     }{%
10290       \if\csname footdir@\the\value{zabspage}\endcsname L%
10291         \footdir@debug{abspage \the\value{zabspage}: left}%
10292         \expandafter\ltx@firstofthree
10293       \else
10294         \footdir@debug{abspage \the\value{zabspage}: right}%
10295         \expandafter\ltx@secondofthree
10296       \fi
10297     }%
10298   }%
10299 }{%
10300   \providecommand*{\c@zabspage}{\c@abspage}%
10301   \newcommand*{\footdir@LeftRightElse}{%
10302     \footdir@write
10303     \zifrefundefined{\thefootdir@label}{%
10304       \footdir@debug{abspage ??: else}%
10305       \ltx@thirdofthree
10306     }{%
10307       \edef\footdir@abspage{%
10308         \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10309       }%
10310       \ltx@ifundefined{footdir@\footdir@abspage}{%
10311         \footdir@debug{\footdir@abspage: else}%
10312         \ltx@thirdofthree
10313       }{%
10314         \if\csname footdir@\footdir@abspage\endcsname L%
10315           \footdir@debug{\footdir@abspage: left}%
10316           \expandafter\ltx@firstofthree
10317         \else
10318           \footdir@debug{\footdir@abspage: right}%
10319           \expandafter\ltx@secondofthree
10320         \fi
10321       }%
10322     }%
10323   }%
10324 }
10325 \newcommand*{\footdir@fntext}[1]{%

```



```

10326 \zifrefundefined{\thefootdir@label}{%
10327 }{%
10328 \edef\footdir@name{%
10329 footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10330 }%
10331 \@ifundefined{\footdir@name}{%
10332 \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10333 }{%
10334 }%
10335 }
10336
10337 \newcommand*{\footdir@temp}[3]{%
10338 \ifdefinable{#1}{%
10339 \let#1#2%
10340 \renewcommand{#2}[1]{%
10341 \footdir@write
10342 \footdir@fntext{#3}%
10343 \stepcounter{footdir@label}%
10344 \footdir@fntext{#3}%
10345 \footdir@toks{##1}%
10346 \footdir@toks\expandafter{%
10347 \the\expandafter\footdir@toks
10348 \expandafter
10349 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10350 }%
10351 \expandafter#1\expandafter{\the\footdir@toks}%
10352 }%
10353 }%
10354 }
10355
10356 \def\right@footnoterule{%
10357 \kern-3\p@
10358 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10359 \kern2.6\p@}
10360 \def\left@footnoterule{\kern-3\p@
10361 \hrule \@width .4\columnwidth \kern 2.6\p@}
10362 \def\textwidth@footnoterule{\kern-3\p@
10363 \hrule \@width \columnwidth \kern 2.6\p@}
10364 \def\leftfootnoterule{%
10365 \bidi@autofootnoterulefalse%
10366 \def\footnoterule{\left@footnoterule}}
10367 \let\LRfootnoterule=\leftfootnoterule
10368 \def\rightfootnoterule{%
10369 \bidi@autofootnoterulefalse%
10370 \def\footnoterule{\right@footnoterule}}
10371 \def\textwidthfootnoterule{%
10372 \bidi@autofootnoterulefalse%
10373 \def\footnoterule{\textwidth@footnoterule}}
10374
10375

```



```

10376
10377 \def\auto@footnoterule{%
10378 \footdir@LeftRightElse%
10379 \left@footnoterule%
10380 \right@footnoterule%
10381 \left@footnoterule%
10382 }
10383
10384
10385
10386 \def\autofootnoterule{%
10387 \bidi@autofootnoteruletrue%
10388 \def\footnoterule{\auto@footnoterule}%
10389 }
10390
10391 \newcommand*\SplitFootnoteRule{%
10392   \gdef\split@prev{0}
10393   \let\pagefootnoterule\footnoterule
10394   \let\mpfootnoterule\footnoterule
10395   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10396   \def\footnoterule{\relax
10397     \ifx \@listdepth\@mplistdepth
10398       \mpfootnoterule
10399     \else
10400       \ifnum\split@prev=\z@
10401         \pagefootnoterule
10402       \else
10403         \splitfootnoterule
10404       \fi
10405       \xdef\split@prev{\the\insertpenalties}%
10406     \fi
10407   }%
10408 }
10409
10410
10411
10412
10413 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10414   \protected@xdef\@thefnmark{\thempfn}%
10415   \@footnotemark\@RTLfootnotetext}}
10416 \def\@xRTLfootnote[#1]{%
10417   \begingroup
10418     \csname c@\@mpfn\endcsname #1\relax
10419     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10420   \endgroup
10421   \@footnotemark\@RTLfootnotetext}
10422 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10423   \protected@xdef\@thefnmark{\thempfn}%
10424   \@footnotemark\@LTRfootnotetext}}
10425 \def\@xLTRfootnote[#1]{%

```




```

10426 \begingroup
10427   \csname c@\mpfn\endcsname #1\relax
10428   \unrestored@protected@xdef\@thefnmark{\thempfn}%
10429 \endgroup
10430 \@footnotemark\@LTRfootnotetext}
10431
10432
10433 \def\setfootnoteRL{\@RTLfootnotetrue}
10434 \def\unsetfootnoteRL{\@RTLfootnotefalse}
10435 \def\setfootnoteLR{\unsetfootnoteRL}
10436
10437 \long\def\@footnotetext#1{\insert\footins{%
10438   \if@RTLfootnote\@RTLtrue\else\@RTLfalse\fi%
10439   \reset@font\footnotesize
10440   \interlinepenalty\interfootnotelinepenalty
10441   \splittopskip\footnotesep
10442   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
10443   \hsize\columnwidth \@parboxrestore
10444   \protected@edef\@currentlabel{%
10445     \csname p@footnote\endcsname\@thefnmark
10446   }%
10447   \color@begingroup
10448     \makefntext{%
10449       \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10450     \color@endgroup}}}%
10451
10452
10453 \long\def\@RTLfootnotetext#1{\insert\footins{%
10454   \@RTLtrue%
10455   \reset@font\footnotesize
10456   \interlinepenalty\interfootnotelinepenalty
10457   \splittopskip\footnotesep
10458   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
10459   \hsize\columnwidth \@parboxrestore
10460   \protected@edef\@currentlabel{%
10461     \csname p@footnote\endcsname\@thefnmark
10462   }%
10463   \color@begingroup
10464     \makefntext{%
10465       \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10466     \color@endgroup}}}%
10467
10468 \long\def\@LTRfootnotetext#1{\insert\footins{%
10469   \@RTLfalse%
10470   \reset@font\footnotesize
10471   \interlinepenalty\interfootnotelinepenalty
10472   \splittopskip\footnotesep
10473   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
10474   \hsize\columnwidth \@parboxrestore
10475   \protected@edef\@currentlabel{%

```



```

10476      \csname p@footnote\endcsname\@thefnmark
10477    }%
10478    \color@begingroup
10479      \@makefnmark{%
10480        \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}}%
10481    \color@endgroup}}%
10482
10483 \AtBeginDocument{%
10484 \if@RTL@footnote
10485   \newcommand*{\bidi@footdir@footnote}{R}
10486 \else
10487   \newcommand*{\bidi@footdir@footnote}{L}
10488 \fi%
10489 }
10490
10491 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10492 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10493 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10494
10495 \long\def\@mpRTLfootnotetext#1{%
10496   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
10497   \global\setbox\@mpfootins\vbox{\@RTLtrue%
10498     \unvbox\@mpfootins
10499     \reset@font\footnotesize
10500     \hsize\columnwidth
10501     \@parboxrestore
10502     \protected@edef\@currentlabel
10503       {\csname p@mpfootnote\endcsname\@thefnmark}}%
10504   \color@begingroup
10505     \@makefnmark{%
10506       \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}}%
10507   \color@endgroup}}
10508 \long\def\@mpLTRfootnotetext#1{%
10509   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
10510   \global\setbox\@mpfootins\vbox{\@RTLfalse%
10511     \unvbox\@mpfootins
10512     \reset@font\footnotesize
10513     \hsize\columnwidth
10514     \@parboxrestore
10515     \protected@edef\@currentlabel
10516       {\csname p@mpfootnote\endcsname\@thefnmark}}%
10517   \color@begingroup
10518     \@makefnmark{%
10519       \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}}%
10520   \color@endgroup}}
10521 \long\def\@mpfootnotetext#1{%
10522   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\right@footnoterule%
10523   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10524     \unvbox\@mpfootins
10525     \reset@font\footnotesize

```



```

10526 \hsize\columnwidth
10527 \@parboxrestore
10528 \protected@edef\@currentlabel
10529 {\csname p@mpfootnote\endcsname\@thefnmark}%
10530 \color@begingroup
10531 \@makefnmark{\rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
10532 \color@endgroup}}
10533 \def\@iiiminipage#1#2[#3]#4{%
10534 \leavevmode
10535 \@pboxswfalse
10536 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
10537 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10538 \setlength\@tempdima{#4}%
10539 \def\@mpargs{#1}#2{#3}{#4}}%
10540 \setbox\@tempboxa\vbox\bgroup
10541 \color@begingroup
10542 \hsize\@tempdima
10543 \textwidth\hsize \columnwidth\hsize
10544 \@parboxrestore
10545 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10546 \let\@footnotetext\@mpfootnotetext
10547 \let\@LTRfootnotetext\@mpLTRfootnotetext
10548 \let\@RTLfootnotetext\@mpRTLfootnotetext
10549 \let\@listdepth\@mplistdepth \@mplistdepth\z@
10550 \let\@listdepth\@mplistdepth \@mplistdepth\z@
10551 \@minipagerestore
10552 \@setminipage}
10553 \def\endminipage{%
10554 \par
10555 \unskip
10556 \ifvoid\@mpfootins\else
10557 \vskip\skip\@mpfootins
10558 \normalcolor
10559 \bidi@mpfootnoterule
10560 \unvbox\@mpfootins
10561 \fi
10562 \@minipagefalse %% added 24 May 89
10563 \color@endgroup
10564 \egroup
10565 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10566 \def\LTRthanks#1{\footnotemark
10567 \protected@xdef\@thanks{\@thanks
10568 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
10569 }
10570 \def\LTRfootnotetext{%
10571 \@ifnextchar [\@xLTRfootnotenext
10572 {\protected@xdef\@thefnmark{\thempfn}%
10573 \@LTRfootnotetext}}
10574 \def\@xLTRfootnotenext[#1]{%
10575 \begingroup

```



```

10576 \csname c@\mpfn\endcsname #1\relax
10577 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10578 \endgroup
10579 \@LTRfootnotetext}
10580 \def\RTLthanks#1{\footnotemark
10581 \protected@xdef\@thanks{\@thanks
10582 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
10583 }
10584 \let\@thanks\@empty
10585 \def\RTLfootnotetext{%
10586 \ifnextchar [\@xRTLfootnotenext
10587 {\protected@xdef\@thefnmark{\thempfn}%
10588 \@RTLfootnotetext}}
10589 \def\@xRTLfootnotenext[#1]{%
10590 \begingroup
10591 \csname c@\mpfn\endcsname #1\relax
10592 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10593 \endgroup
10594 \@RTLfootnotetext}
10595 \leftfootnoterule

```

7.65 framed-xetex-bidi.def

```

10596 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
10597 \renewcommand\TitleBarFrame[3][\begingroup
10598 \ifx\delimiter#1\delimiter
10599 \let\TF@conlab\@empty
10600 \else
10601 \def\TF@conlab{% continuation label
10602 \nointerlineskip
10603 \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
10604 \fi
10605 %\let\TF@savecolor\current@color
10606 \textcolor{TF@FrameColor}{%
10607 \CustomFBox
10608 {\TF@Title{#2}}{\TF@conlab}%
10609 \fboxrule\fboxrule\fboxrule\fboxrule
10610 %{\let\current@color\TF@savecolor\set@color #3}%
10611 {\normalcolor #3}%
10612 }\endgroup
10613 }
10614 \renewenvironment{titled-frame}[1]{%
10615 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
10616 \TitleBarFrame{\textbf{#1}}}%
10617 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
10618 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}}}%
10619 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
10620 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1\ (cont)}}
10621 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
10622 \TitleBarFrame{\textbf{#1\ (cont)}}}%

```



```

10623 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
10624 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10625 % could interfere with the width measurement.
10626 {\endMakeFramed}
10627 \chardef\FrameRestore=\catcode`\| % for debug
10628 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
10629 \def\fb@put@frame#1#2{\relax
10630 \ifdim\pagegoal=\maxdimen \pagegoal\vsizelimit\fi
10631 | \message{===== Entering putframe =====^J
10632 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
10633 \ifinner
10634 \fb@putboxa#1%
10635 \fb@afterframe
10636 \else
10637 \dimen@ \pagegoal \advance\dimen@-\pagetotal % natural space left on page
10638 \ifdim\dimen@<2\baselineskip % Too little room on page
10639 | \message{Page has only \the\dimen@ space room left; eject. }%
10640 \eject \fb@adjheight \fb@put@frame#1#2%
10641 \else % there's appreciable room left on the page
10642 \fb@sizeofframe#1%
10643 | \message{\string\pagetotal=\the\pagetotal,
10644 | \string\pagegoal=\the\pagegoal,
10645 | \string\pagestretch=\the\pagestretch,
10646 | \string\pageshrink=\the\pageshrink,
10647 | \string\fb@frh=\the\fb@frh. \space}
10648 | \message{^^JBox of size \the\ht@tempboxa\space}%
10649 \begingroup % temporarily set \dimen@ to be...
10650 \advance\dimen@.8\pageshrink % maximum space available on page
10651 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10652 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10653 \expandafter\endgroup
10654 % expand \ifdim, then restore \dimen@ to real room left on page
10655 \ifdim\dimen@>\ht@tempboxa % whole box does fit
10656 | \message{fits in \the\dimen@. }%
10657 % ToDo: Change this to use vsplit anyway to capture the marks
10658 % MERGE THIS WITH THE else CLAUSE!!!
10659 \fb@putboxa#1%
10660 \fb@afterframe
10661 \else % box must be split
10662 | \message{must be split to fit in \the\dimen@. }%
10663 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10664 \fb@sizeofframe#2%
10665 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10666 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10667 \kern137sp\kern-137sp\penalty-30
10668 \unvbox\@tempboxa}%
10669 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10670 \splittopskip\the\splittopskip}%
10671 \boxmaxdepth\z@ \splittopskip\z@
10672 | \message{^^JPadded box of size \the\ht@tempboxa\space split to \the\dimen@}%

```



```

10673      % Split box here
10674      \setbox\tw@\vsplit\@tempboxa to\dimen@
10675 |      \toks99\expandafter{\splitfirstmark}%
10676 |      \toks98\expandafter{\splitbotmark}%
10677 |      \message{Marks are: \the\toks99, \the\toks98. }%
10678      \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
10679 |      \message{Natural height of split box is \the\ht\tw@, leaving
10680 |          \the\ht\@tempboxa\space remainder. }%
10681      % If the split-to size > (\vsize-\topskip), then set box to full size.
10682      \begingroup
10683      \advance\dimen@-\topskip
10684      \expandafter\endgroup
10685      \ifdim\dimen@>\pagegoal
10686 |          \message{Frame is big -- Use up the full column. }%
10687          \dimen@ii\pagegoal
10688          \advance\dimen@ii -\topskip
10689          \advance\dimen@ii \FrameHeightAdjust\relax
10690      \else % suspect this is implemented incorrectly:
10691      % If the split-to size > feasible room_on_page, rebox it smaller.
10692          \advance\dimen@.8\pageshrink
10693          \ifdim\ht\tw@>\dimen@
10694 |              \message{Box too tall; rebox it to \the\dimen@. }%
10695              \dimen@ii\dimen@
10696              \else % use natural size
10697                  \dimen@ii\ht\tw@
10698              \fi
10699          \fi
10700      % Re-box contents to desired size \dimen@ii
10701      \advance\dimen@ii -\fb@frh
10702      \setbox\tw@\vbox to\dimen@ii \bgroup
10703      % remove simulated frame and page flexibility:
10704      \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
10705      \unvbox\tw@ \unpenalty\unpenalty
10706      \ifdim\lastkern=-137sp % whole box went to next page
10707 |          \message{box split at beginning! }%
10708          % need work here???
10709      \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10710          \fb@adjheight
10711          \fb@put@frame#1#2% INSERTED ???
10712      \else % Got material split off at the head
10713          \egroup \fb@resto@set
10714          \ifvoid\@tempboxa % it all fit after all
10715 |              \message{box split at end! }%
10716              \setbox\@tempboxa\box\tw@
10717              \fb@putboxa#1%
10718              \fb@afterframe
10719          \else % it really did split
10720 |              \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
10721              \ifdim\wd\tw@>\z@
10722                  \wd\tw@\wd\@tempboxa

```



```

10723         \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
10724         \else
10725 |         \message{Zero width means likely blank. Don't frame it (guess)}%
10726         \box\tw@
10727         \fi
10728         \hrule \@height\z@ \@width\hsize
10729         \eject
10730         \fb@adjheight
10731         \fb@put@frame\LastFrameCommand\MidFrameCommand
10732     \fi\fi\fi\fi\fi
10733 }
10734 \def\fb@putboxa#1{%
10735     \ifvoid\@tempboxa
10736         \PackageWarning{framed}{Boxa is void -- discard it. }%
10737     \else
10738 |         \message{Frame and place boxa. }%
10739 |         %{\showoutput\showbox\@tempboxa}%
10740         \centerline{#1{\hboxL{\box\@tempboxa}}}%
10741     \fi
10742 }
10743 \catcode`\|=\FrameRestore
10744 \def\FrameRestore{%
10745     \let\if@nobreak\iffalse
10746     \let\if@noskipsec\iffalse
10747     \let\-\@dischyp
10748     \let'\@acci\let'\@accii\let\=\@acciii
10749     % \message{FrameRestore:
10750     %     \@totalleftmargin=\the \@totalleftmargin,
10751     %     \rightmargin=\the\rightmargin,
10752     %     \@listdepth=\the\@listdepth. }%
10753     % Test if we are in a list (or list-like paragraph)
10754     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
10755         \ifdim\rightmargin>\z@ 1\fi
10756         \ifnum\@listdepth>\z@ 1\fi 0>\z@
10757     %     \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
10758     %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10759     %         \labelwidth=\the\labelwidth. }%
10760     \setminipage % snug fit around the item
10761     % Now try to propagate changes of width from \hsize to list parameters.
10762     % This is deficient, but a more advanced way to indicate modification to text
10763     % dimensions is not (yet) provided; in particular, no separate left/right
10764     % adjustment.
10765     \advance\linewidth-\columnwidth \advance\linewidth\hsize
10766     \parshape\@ne \@totalleftmargin \linewidth
10767 \else % Not in list
10768     \linewidth=\hsize
10769     %\message{No list, set \string\linewidth=\the\hsize. }%
10770 \fi
10771 \sloppy
10772 }

```



7.66 ftnright-xetex-bidi.def

```

10773 \ProvidesFile{ftnright-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for ftnright package for
10774 \def\LTR@outputdblcol{\if@firstcolumn
10775   \global\@firstcolumnfalse
10776   \global\setbox\@leftcolumn\box\@outputbox
10777   \global\count\footins\@m
10778   \global\skip\footins\rcol@footinsskip
10779   \else \preparefootins
10780   \global\@firstcolumntrue
10781   \setbox\@outputbox\vbox{\hbox to\textwidth
10782     {\hbox to\columnwidth
10783       {\box\@leftcolumn\hss}}%
10784     \hfil\vrule\@width\columnseprule\hfil
10785     \hbox to\columnwidth
10786       {\box\@outputbox\hss}}}%
10787   \@combinedblfloats\@outputpage
10788   \begingroup
10789   \@dblfloatplacement\@startdblcolumn
10790   \@whiles\if@fcolmade\fi
10791     {\@outputpage\@startdblcolumn}%
10792   \endgroup
10793   \fi}
10794 \def\RTL@outputdblcol{\if@firstcolumn
10795   \global\@firstcolumnfalse
10796   \global\setbox\@leftcolumn\box\@outputbox
10797   \global\count\footins\@m
10798   \global\skip\footins\rcol@footinsskip
10799   \else \preparefootins
10800   \global\@firstcolumntrue
10801   \setbox\@outputbox\vbox{\hbox to\textwidth
10802     {\hskip \columnwidth
10803       \hfil \vrule width\columnseprule \hfil
10804       \hbox to\columnwidth
10805         {\box\@leftcolumn\hss}}%
10806     \hskip -\textwidth
10807     \hbox to\columnwidth
10808       {\box\@outputbox\hss}
10809     \hskip \columnsep
10810     \hskip \columnwidth}}}%
10811   \@combinedblfloats\@outputpage
10812   \begingroup
10813   \@dblfloatplacement\@startdblcolumn
10814   \@whiles\if@fcolmade\fi
10815     {\@outputpage\@startdblcolumn}%
10816   \endgroup
10817   \fi}
10818 \let\leftfootnoterule\@empty
10819 \let\rightfootnoterule\@empty
10820 \let\textwidthfootnoterule\@empty

```




```

10821 \let\autofootnoterule\@empty
10822 \let\footnoterule\@empty
10823 \long\def\@makefntext#1{\parindent 1em
10824   \noindent\hbox to 2em{}%
10825   \llap{\@thefnmark\hbox{.}\,\,\,}\,#1}

```

7.67 graphicx-xetex-bidi.def

```

10826 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
10827 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
10828   \Grot@setangle{#1}%
10829   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
10830   \Grot@x\z@
10831   \Grot@y\z@
10832   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
10833 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10834   \leavevmode
10835   \def\Gscale@x{#1}\def\Gscale@y{#2}%
10836   \setbox\z@\hbox{\ifmmode\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
10837   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10838   \ifdim#2\p<\z@
10839     \ht\tw@-#2\dp\z@
10840     \dp\tw@-#2\ht\z@
10841   \else
10842     \ht\tw@#2\ht\z@
10843     \dp\tw@#2\dp\z@
10844   \fi
10845   \ifdim#1\p<\z@
10846     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10847   \else
10848     \wd\tw@#1\wd\z@
10849     \box\tw@
10850   \fi\ifmmode\else\if@RTL\endL\fi\fi}
10851 \def\Gin@iii[#1,#2][#3,#4]#5{%
10852   \begingroup
10853   \ifmmode\else\if@RTL\beginL\fi\fi
10854   \Gin@bboxtrue
10855   \Gin@defaultbp\Gin@llx{#1}%
10856   \Gin@defaultbp\Gin@lly{#2}%
10857   \Gin@defaultbp\Gin@urx{#3}%
10858   \Gin@defaultbp\Gin@ury{#4}%
10859   \Gin@include@graphics{#5}%
10860   \ifmmode\else\if@RTL\endL\fi\fi
10861   \endgroup}
10862 \def\Gin@ii[#1]#2{%
10863   \def\@tempa{[]}\def\@tempb{#2}%
10864   \ifx\@tempa\@tempb
10865     \def\@tempa{\Gin@iii[#1] []}%
10866     \expandafter\@tempa
10867   \else

```



```

10868 \begingroup
10869 \ifmmode\else\if@RTL\beginL\fi\fi
10870 \@tempwafalse
10871 \toks@{\Gininclude@graphics{#2}}%
10872 \setkeys{Gin}{#1}%
10873 \Gin@esetsize
10874 \the\toks@
10875 \ifmmode\else\if@RTL\endL\fi\fi
10876 \endgroup
10877 \fi}
10878 \def\reflectbox{\bidiGscale@box-1[1]}
10879 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10880 \leavevmode
10881 \def\Gscale@x{#1}\def\Gscale@y{#2}%
10882 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
10883 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10884 \ifdim#2\p<\z@
10885 \ht\tw@-#2\dp\z@
10886 \dp\tw@-#2\ht\z@
10887 \else
10888 \ht\tw@#2\ht\z@
10889 \dp\tw@#2\dp\z@
10890 \fi
10891 \ifdim#1\p<\z@
10892 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10893 \else
10894 \wd\tw@#1\wd\z@
10895 \box\tw@
10896 \fi\ifmmode\else\if@RTL\endL\fi\fi}
10897 \def\scalebox#1{%
10898 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
10899 \def\resizebox{%
10900 \leavevmode
10901 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
10902 \def\bidiGscale@@box#1#2#3{%
10903 \let\@tempa\Gin@exclamation
10904 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
10905 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
10906 \ifx\@tempb\@tempa
10907 \ifx\@tempc\@tempa
10908 \toks@{\mbox}%
10909 \else
10910 \toks@{\bidiGscale@box@dd{#3}#1}%
10911 \fi
10912 \else
10913 \ifx\@tempc\@tempa
10914 \toks@{\bidiGscale@box@dd{#2}\width}%
10915 \else
10916 \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
10917 \fi

```



```

10918 \fi
10919 \the\toks@}
10920 \long\def\ bidiGscale@box@ddd#1#2#3{%
10921 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@
10922 \setlength\@tempdima{#1}%
10923 \setlength\@tempdimb{#2}%
10924 \Gscale@div\@tempa\@tempdima\@tempdimb
10925 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
10926 \@end@tempboxa}
10927 \long\def\ bidiGscale@box@dddd#1#2#3#4#5{%
10928 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@
10929 \setlength\@tempdima{#1}%
10930 \setlength\@tempdimb{#2}%
10931 \Gscale@div\@tempa\@tempdima\@tempdimb
10932 \setlength\@tempdima{#3}%
10933 \setlength\@tempdimb{#4}%
10934 \Gscale@div\@tempb\@tempdima\@tempdimb
10935 \ifGin@iso
10936 \ifdim\@tempa\p@>\@tempb\p@
10937 \let\@tempa\@tempb
10938 \else
10939 \let\@tempb\@tempa
10940 \fi
10941 \fi
10942 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
10943 \@end@tempboxa}

```

7.68 geometry-xetex-bidi.def

```

10944 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for
10945 \renewcommand*{\Gm@vrules@mpi}{%
10946 \if@RTLmain%
10947 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10948 \llap{\Gm@vrule}\ignorespaces
10949 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10950 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
10951 \else%
10952 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
10953 \hskip \textwidth\Gm@vrule\hskip \marginparsep
10954 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
10955 \renewcommand*{\Gm@vrules@mpii}{%
10956 \if@RTLmain%
10957 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
10958 \hskip \textwidth\Gm@vrule\hskip \marginparsep
10959 \llap{\Gm@vrule}\hfil\Gm@vrule}%
10960 \else%
10961 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10962 \llap{\Gm@vrule}\ignorespaces
10963 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10964 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%

```



10965

7.69 hvfloat-xetex-bidi.def

```
10966 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
10967 \def\do@hvFloat[#1]#2#3{%
10968 \def\hv@shortCap{#1}
10969 \def\hv@longCap{#2}
10970 \def\hv@label{#3}
10971 %\newcommand*{\hvFloat}[5][[]]{%
10972 % [#1]: keyvalues
10973 % #2: type figure | table | ...
10974 % #3: float contents
10975 % [#4]: short caption
10976 % #5: caption
10977 % #6: label
10978 % \setDefaults%
10979 % \def\@tempa{#1}%
10980 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi set options, only when not empty
10981 \def\@tempa{90}%
10982 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
10983 \else \setlength{\hvMaxCapWidth}{\linewidth}
10984 \fi
10985 %
10986 % First we save the object in \hvObjectBox
10987 %
10988 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
10989 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
10990 \else
10991 \savebox{\hvObjectBox}{%
10992 \rotatebox{\hvSet@objectAngle}{%
10993 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
10994 \fi
10995 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
10996 %
10997 % Now we save the caption with its defined \hvCapWidth
10998 %
10999 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11000 \else
11001 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11002 \else
11003 \setlength{\hvCapWidth}{\hvObjectWidth}
11004 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11005 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11006 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11007 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11008 \else
11009 \setlength{\hvCapWidth}{\hvMaxCapWidth}
11010 \fi
11011 \fi
```



```

11012 \fi
11013 %
11014 % now we have the object and the caption with the right
11015 % rotated angles saved in boxes
11016 %
11017 \def\fps@figure{\hvSet@floatPos}
11018 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11019 \else \begin{\hv@floatType}% Start the floating environment
11020 \fi%
11021 \saveCaptionSkip% we put this space ourselves
11022 \ifx\hvSet@capAngle\hv@Width % need rotation?
11023 \sbox{\hvCaptionBox}{%
11024 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11025 \ifhv@nonFloat%
11026 \ifhv@onlyText#2%
11027 \else%
11028 \ifx\hv@floatType\hv@figure
11029 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11030 \else
11031 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11032 \fi
11033 \fi
11034 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11035 \fi%
11036 \label{#3}%
11037 \end{minipage}%
11038 }%
11039 \else%
11040 \sbox{\hvCaptionBox}{%
11041 \rotatebox{\hvSet@capAngle}{%
11042 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11043 \ifhv@nonFloat%
11044 \ifhv@onlyText#2%
11045 \else%
11046 \ifx\hv@floatType\hv@figure
11047 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11048 \else
11049 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11050 \fi
11051 \fi
11052 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11053 \fi%
11054 \label{#3}%
11055 \end{minipage}%
11056 }%
11057 }%
11058 \fi%
11059 %%
11060 \restoreCaptionSkip% save old values
11061 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%

```



```

11062 \else%
11063 \ifx\hvSet@objectPos\hv@Center
11064 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11065 \fi%
11066 \fi%
11067 %
11068 % to rotate object and caption together, we save all in another box
11069 % the caption comes first, if its on the left or the top
11070 %
11071 \savebox{\@tempboxa}{%
11072 \ifx\hvSet@capPos\hv@Left % caption on left side
11073 \if@RTL%
11074 \ifx\hvSet@capVPos\hv@Center%
11075 \ifhv@fbox
11076 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11077 \else
11078 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11079 \fi%
11080 \hspace{\hvSet@floatCapSep pt}%
11081 \ifhv@fbox
11082 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11083 \else
11084 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11085 \fi%
11086 \else%
11087 \ifx\hvSet@capVPos\hv@Top
11088 \ifhv@fbox
11089 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11090 \else
11091 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11092 \fi%
11093 \hspace{\hvSet@floatCapSep pt}%
11094 \ifhv@fbox
11095 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11096 \else
11097 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11098 \fi
11099 \else
11100 \ifhv@fbox
11101 \fbox{\usebox{\hvObjectBox}}%
11102 \else
11103 \usebox{\hvObjectBox}%
11104 \fi
11105 \hspace{\hvSet@floatCapSep pt}%
11106 \ifhv@fbox
11107 \fbox{\usebox{\hvCaptionBox}}%
11108 \else
11109 \usebox{\hvCaptionBox}%
11110 \fi%
11111 \fi%

```



```

11112 \fi%
11113 \else% not RTL
11114     \ifx\hvSet@capVPos\hv@Center%
11115     \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11116     \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11117     \fi%
11118     \hspace{\hvSet@floatCapSep pt}% capfloatsep
11119     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11120     \else     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11121     \fi%
11122 \else%
11123     \ifx\hvSet@capVPos\hv@Top % caption at top
11124     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11125     \else     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11126     \fi
11127     \hspace{\hvSet@floatCapSep pt}% capfloatsep
11128     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
11129     \else     \raisebox{-\height}{\usebox{\hvObjectBox}}
11130     \fi%
11131 \else% caption on bottom
11132     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11133     \else\usebox{\hvCaptionBox}
11134     \fi%
11135     \hspace{\hvSet@floatCapSep pt}%
11136     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11137     \else     \usebox{\hvObjectBox}
11138     \fi%
11139 \fi%
11140 \fi% end of RTL
11141 \fi%
11142 \else
11143 \ifx\hvSet@capPos\hv@Top
11144 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11145 \begin{minipage}{\wd\hvCaptionBox}
11146 \else
11147 \begin{minipage}{\wd\hvObjectBox}
11148 \fi
11149 \centering
11150 \ifhv@fbox
11151 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11152 \fbbox{\usebox{\hvObjectBox}}
11153 \else
11154 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11155 \usebox{\hvObjectBox}
11156 \fi%
11157 \end{minipage}
11158 \else
11159 \ifx\hvSet@capPos\hv@Bottom
11160 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11161 \begin{minipage}{\wd\hvCaptionBox}

```



```

11162 \else
11163 \begin{minipage}{\wd\hvObjectBox}
11164 \fi
11165 \centering
11166 \ifhv@fbox
11167 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11168 \fbox{\usebox{\hvCaptionBox}}
11169 \else
11170 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11171 \usebox{\hvCaptionBox}
11172 \fi%
11173 \end{minipage}
11174 \else% the last option: put the caption on the right
11175 \ifRTL%
11176 \ifx\hvSet@capVPos\hv@Center%
11177 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11178 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11179 \fi%
11180 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11181 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11182 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11183 \fi%
11184 \else%
11185 \ifx\hvSet@capVPos\hv@Top % caption at top
11186 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11187 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11188 \fi
11189 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11190 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
11191 \else \raisebox{-\height}{\usebox{\hvObjectBox}}
11192 \fi%
11193 \else% caption on bottom
11194 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
11195 \else\usebox{\hvCaptionBox}
11196 \fi%
11197 \hspace{\hvSet@floatCapSep pt}%
11198 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
11199 \else \usebox{\hvObjectBox}
11200 \fi%
11201 \fi%
11202 \fi%
11203 \else% not RTL
11204 \ifx\hvSet@capVPos\hv@Center%
11205 \ifhv@fbox
11206 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11207 \else
11208 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11209 \fi%
11210 \hspace{\hvSet@floatCapSep pt}%
11211 \ifhv@fbox

```




```

11212 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11213 \else
11214 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11215 \fi%
11216 \else%
11217 \ifx\hvSet@capVPos\hv@Top
11218 \ifhv@fbox
11219 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11220 \else
11221 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11222 \fi%
11223 \hspace{\hvSet@floatCapSep pt}%
11224 \ifhv@fbox
11225 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11226 \else
11227 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11228 \fi
11229 \else
11230 \ifhv@fbox
11231 \fbox{\usebox{\hvObjectBox}}%
11232 \else
11233 \usebox{\hvObjectBox}%
11234 \fi
11235 \hspace{\hvSet@floatCapSep pt}%
11236 \ifhv@fbox
11237 \fbox{\usebox{\hvCaptionBox}}%
11238 \else
11239 \usebox{\hvCaptionBox}%
11240 \fi%
11241 \fi%
11242 \fi
11243 \fi% end of RTL
11244 \fi
11245 \fi
11246 \fi
11247 }% End savebox Object and caption
11248 %
11249 % now we rotate the object and caption, if needed
11250 %
11251 \ifx\hvSet@rotAngle\hv@Zero
11252 \usebox{\@tempboxa}
11253 \else
11254 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11255 \fi
11256 \ifhv@nonFloat
11257 \ifx\hvSet@objectPos\hv@Center
11258 \ifhv@nonFloat
11259 \hspace{\filll}
11260 \fi
11261 \fi

```



```

11262 \endgroup% End the nonfloat part
11263 \else
11264 \end{\hv@floatType}% End the floating environment
11265 \fi
11266 }

```

7.70 hyperref-xetex-bidi.def

```

11267 \ProvidesFile{hyperref-xetex-bidi.def}[2015/11/26 v0.9 bidi adaptations for hyperref package for
11268 \AtBeginDocument{%
11269 \def\contentsline#1#2#3#4{%
11270   \ifx\\#4\\%
11271     \csname l@#1\endcsname{#2}{#3}%
11272   \else
11273     \ifcase\Hy@linktoc % none
11274       \csname l@#1\endcsname{#2}{#3}%
11275     \or % section
11276       \csname l@#1\endcsname{%
11277         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11278         }{#3}%
11279     \or % page
11280       \csname l@#1\endcsname{#2}{#3}%
11281       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11282     }%
11283   \else % all
11284     \csname l@#1\endcsname{%
11285       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11286       }{#3}%
11287     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11288   }%
11289   \fi
11290 \fi
11291 }
11292 \ifHy@hyperfootnotes
11293   \let\H@@footnotetext\@footnotetext
11294   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11295   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11296   \def\@xfootnotenext[#1]{%
11297     \begingroup
11298       \csname c@\mpfn\endcsname #1\relax
11299       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11300     \endgroup
11301     \ifx\@footnotetext\@mpfootnotetext
11302       \expandafter\H@@mpfootnotetext
11303     \else
11304       \expandafter\H@@footnotetext
11305     \fi
11306   }%
11307   \def\@xRTLfootnotenext[#1]{%
11308     \begingroup

```



```

11309     \csname c@\mpfn\endcsname #1\relax
11310     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11311 \endgroup
11312 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
11313     \expandafter\HRTL@\mpRTLfootnotetext
11314 \else
11315     \expandafter\HRTL@\@RTLfootnotetext
11316 \fi
11317 }%
11318 \def\@xLTRfootnotenext[#1]{%
11319 \begingroup
11320     \csname c@\mpfn\endcsname #1\relax
11321     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11322 \endgroup
11323 \ifx\@LTRfootnotetext\@mplLTRfootnotetext
11324     \expandafter\HLTR@\mplLTRfootnotetext
11325 \else
11326     \expandafter\HLTR@\@LTRfootnotetext
11327 \fi
11328 }%
11329 \def\@xfootnotemark[#1]{%
11330 \begingroup
11331     \c@footnote #1\relax
11332     \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11333 \endgroup
11334 \H@\@footnotemark
11335 }%
11336 \let\H@\mpfootnotetext\@mpfootnotetext
11337 \let\HRTL@\mpRTLfootnotetext\@mpRTLfootnotetext
11338 \let\HLTR@\mplLTRfootnotetext\@mplLTRfootnotetext
11339 \long\def\@mpfootnotetext#1{%
11340 \H@\mpfootnotetext{%
11341     \ifHy@nesting
11342         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11343     \else
11344         \Hy@raisedlink{%
11345             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11346         }#1%
11347     \fi
11348 }%
11349 }%
11350 \long\def\@mpRTLfootnotetext#1{%
11351 \HRTL@\mpRTLfootnotetext{%
11352     \ifHy@nesting
11353         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11354     \else
11355         \Hy@raisedlink{%
11356             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11357         }#1%
11358     \fi

```



```

11359 }%
11360 }%
11361 \long\def\@mpLTRfootnotetext#1{%
11362 \HLTR@@mpLTRfootnotetext{%
11363 \ifHy@nesting
11364 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11365 \else
11366 \Hy@raisedlink{%
11367 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11368 }#1%
11369 \fi
11370 }%
11371 }%
11372 \long\def\@footnotetext#1{%
11373 \H@@footnotetext{%
11374 \ifHy@nesting
11375 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11376 \else
11377 \Hy@raisedlink{%
11378 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11379 }%
11380 \let\@currentHlabel\Hy@footnote@currentHlabel
11381 \let\@currentHref\Hy@footnote@currentHref
11382 \let\@currentlabelname\@empty
11383 #1%
11384 \fi
11385 }%
11386 }%
11387 \long\def\@RTLfootnotetext#1{%
11388 \HRTL@@RTLfootnotetext{%
11389 \ifHy@nesting
11390 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11391 \else
11392 \Hy@raisedlink{%
11393 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11394 }%
11395 \let\@currentHlabel\Hy@footnote@currentHlabel
11396 \let\@currentHref\Hy@footnote@currentHref
11397 \let\@currentlabelname\@empty
11398 #1%
11399 \fi
11400 }%
11401 }%
11402 \long\def\@LTRfootnotetext#1{%
11403 \HLTR@@LTRfootnotetext{%
11404 \ifHy@nesting
11405 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11406 \else
11407 \Hy@raisedlink{%
11408 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%

```



```

11409     }%
11410     \let\@currentHlabel\Hy@footnote@currentHlabel
11411     \let\@currentHref\Hy@footnote@currentHref
11412     \let\@currentlabelname\@empty
11413     #1%
11414     \fi
11415 }%
11416 }%
11417 \@ifpackageloaded{tabularx}{%
11418 \let\HyOrg@TX@endtabularx\TX@endtabularx
11419 \def\Hy@tabularx@hook{%
11420 \let\@footnotetext\H@@footnotetext
11421 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11422 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11423 \let\@footnotemark\H@@footnotemark
11424 \let\@mpfootnotetext\H@@mpfootnotetext
11425 \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
11426 \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
11427 }%
11428 \begingroup
11429 \toks@{\expandafter{\TX@endtabularx}}%
11430 \xdef\Hy@gtemp{%
11431 \noexpand\Hy@tabularx@hook
11432 \the\toks@
11433 }%
11434 \endgroup
11435 \let\TX@endtabularx\Hy@gtemp
11436 }{}%
11437 \@ifpackageloaded{longtable}{%
11438 \CheckCommand*{\LT@p@LTRftntext}[1]{%
11439 \edef\@tempa{%
11440 \the\LT@p@ftn
11441 \noexpand\LTRfootnotetext[\the\c@footnote]}%
11442 }%
11443 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11444 }%
11445 \long\def\LT@p@LTRftntext#1{%
11446 \edef\@tempa{%
11447 \the\LT@p@ftn
11448 \begingroup
11449 \noexpand\c@footnote=\the\c@footnote\relax
11450 \noexpand\protected\xdef\noexpand\@thefnmark{%
11451 \noexpand\thempfn
11452 }%
11453 \noexpand\Hy@LT@LTRfootnotetext{%
11454 \Hy@footnote@currentHref
11455 }%
11456 }%
11457 \global\LT@p@ftn\expandafter{
11458 \@tempa{#1}%

```



```

11459     \endgroup
11460   }%
11461 }%
11462 \long\def\Hy@LT@LTRfootnotetext#1#2{%
11463   \HLTR@@LTRfootnotetext{%
11464     \ifHy@nesting
11465       \hyper@@anchor{#1}{#2}%
11466     \else
11467       \Hy@raisedlink{%
11468         \hyper@@anchor{#1}{\relax}%
11469       }%
11470       \def\@currentHref{#1}%
11471       \let\@currentlabelname\@empty
11472       #2%
11473     \fi
11474   }%
11475 }%
11476 \CheckCommand*\LT@p@RTLftntext}[1]{%
11477   \edef\@tempa{%
11478     \the\LT@p@ftn
11479     \noexpand\RTLfootnotetext[\the\c@footnote]%
11480   }%
11481   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11482 }%
11483 \long\def\LT@p@RTLftntext#1{%
11484   \edef\@tempa{%
11485     \the\LT@p@ftn
11486     \begingroup
11487       \noexpand\c@footnote=\the\c@footnote\relax
11488       \noexpand\protected@xdef\noexpand\@thefnmark{%
11489         \noexpand\thempfn
11490       }%
11491       \noexpand\Hy@LT@RTLfootnotetext{%
11492         \Hy@footnote@currentHref
11493       }%
11494     }%
11495     \global\LT@p@ftn\expandafter{%
11496       \@tempa{#1}%
11497     }%
11498   }%
11499 }%
11500 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11501   \HRTL@@RTLfootnotetext{%
11502     \ifHy@nesting
11503       \hyper@@anchor{#1}{#2}%
11504     \else
11505       \Hy@raisedlink{%
11506         \hyper@@anchor{#1}{\relax}%
11507       }%
11508       \def\@currentHref{#1}%

```



```

11509         \let\@currentlabelname\@empty
11510         #2%
11511     \fi
11512 }%
11513 }%
11514 }{}%
11515 \@ifpackageloaded{bidipoem}{%
11516 \long\def\bidipoem@p@ftntext#1{%
11517     \edef\@tempxi{%
11518         \the\bidipoem@p@ftn
11519     \begingroup
11520     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11521     \noexpand\protected@xdef\noexpand\@thefnmark{%
11522         \noexpand\thempfn
11523     }%
11524     \noexpand\Hy@bidipoem@footnotetext{%
11525         \Hy@footnote@currentHref
11526     }%
11527 }%
11528 \global\bidipoem@p@ftn\expandafter{%
11529     \@tempxi{#1}%
11530 \endgroup
11531 }%
11532 }%
11533 \long\def\Hy@bidipoem@footnotetext#1#2{%
11534     \H@@footnotetext{%
11535         \ifHy@nesting
11536             \hyper@@anchor{#1}{#2}%
11537         \else
11538             \Hy@raisedlink{%
11539                 \hyper@@anchor{#1}{\relax}%
11540             }%
11541             \def\@currentHref{#1}%
11542             \let\@currentlabelname\@empty
11543             #2%
11544         \fi
11545     }%
11546 }%
11547 \long\def\bidipoem@p@LTRftntext#1{%
11548     \edef\@tempxi{%
11549         \the\bidipoem@p@ftn
11550     \begingroup
11551     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11552     \noexpand\protected@xdef\noexpand\@thefnmark{%
11553         \noexpand\thempfn
11554     }%
11555     \noexpand\Hy@bidipoem@LTRfootnotetext{%
11556         \Hy@footnote@currentHref
11557     }%
11558 }%

```



```

11559     \global\bidipoem@p@ftn\expandafter{%
11560         \@tempxi{#1}%
11561     \endgroup
11562 }%
11563 }%
11564 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11565     \HLTR@@LTRfootnotetext{%
11566         \ifHy@nesting
11567             \hyper@@anchor{#1}{#2}%
11568         \else
11569             \Hy@raisedlink{%
11570                 \hyper@@anchor{#1}{\relax}%
11571             }%
11572             \def\@currentHref{#1}%
11573             \let\@currentlabelname\@empty
11574             #2%
11575         \fi
11576     }%
11577 }%
11578 \long\def\bidipoem@p@RTLftntext#1{%
11579     \edef\@tempxii{%
11580         \the\bidipoem@p@ftn
11581     \beginingroup
11582     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11583     \noexpand\protected@xdef\noexpand\@thefnmark{%
11584         \noexpand\thempfn
11585     }%
11586     \noexpand\Hy@bidipoem@RTLfootnotetext{%
11587         \Hy@footnote@currentHref
11588     }%
11589 }%
11590 \global\bidipoem@p@ftn\expandafter{%
11591     \@tempxii{#1}%
11592 \endgroup
11593 }%
11594 }%
11595 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11596     \HRTL@@RTLfootnotetext{%
11597         \ifHy@nesting
11598             \hyper@@anchor{#1}{#2}%
11599         \else
11600             \Hy@raisedlink{%
11601                 \hyper@@anchor{#1}{\relax}%
11602             }%
11603             \def\@currentHref{#1}%
11604             \let\@currentlabelname\@empty
11605             #2%
11606         \fi
11607     }%
11608 }%

```




```

11609 }{}%
11610 \let\HyOrg@maketitle\maketitle
11611 \def\maketitle{%
11612   \let\Hy@saved@footnotemark\@footnotemark
11613   \let\Hy@saved@footnotetext\@footnotetext
11614   \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11615   \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11616   \let\@footnotemark\H@@footnotemark
11617   \let\@footnotetext\H@@footnotetext
11618   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11619   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11620   \@ifnextchar[\Hy@maketitle@optarg{% ]
11621     \HyOrg@maketitle
11622     \Hy@maketitle@end
11623   }%
11624 }%
11625 \def\Hy@maketitle@optarg[#1]{%
11626   \HyOrg@maketitle[#{1}]%
11627   \Hy@maketitle@end
11628 }%
11629 \def\Hy@maketitle@end{%
11630   \ifx\@footnotemark\H@@footnotemark
11631     \let\@footnotemark\Hy@saved@footnotemark
11632     \fi
11633   \ifx\@footnotetext\H@@footnotetext
11634     \let\@footnotetext\Hy@saved@footnotetext
11635     \fi
11636   \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
11637     \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
11638     \fi
11639   \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
11640     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
11641     \fi
11642 }%
11643 \def\realfootnote{%
11644   \@ifnextchar[\@xfootnote{%
11645     \stepcounter{\@mpfn}%
11646     \protected@xdef\@thefnmark{\thempfn}%
11647     \H@@footnotemark\H@@footnotetext
11648   }%
11649 }%
11650 \fi
11651 \def\Hy@BeginAnnot#1{%
11652   \ifmmode\else\beginL\fi%
11653   \stepcounter{Hy@AnnotLevel}%
11654   \ifnum\value{Hy@AnnotLevel}=\@ne
11655     #1%
11656   \fi
11657 }
11658 \def\Hy@EndAnnot{%

```



```

11659 \ifnum\value{Hy@AnnotLevel}=\@ne
11660 \Hy@endcolorlink
11661 \pdfmark{eann}%
11662 \fi
11663 \addtocounter{Hy@AnnotLevel}\m@ne
11664 \ifmmode\else\endL\fi%
11665 }
11666 \def\hyper@link#1#2#3{%
11667 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\H
11668 }
11669 \def\hyper@linkfile#1#2#3{%
11670 \leavevmode
11671 \Hy@BeginAnnot{%
11672 \def\Hy@pstringF{#2}%
11673 \Hy@CleanupFile\Hy@pstringF
11674 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
11675 \Hy@pstringdef\Hy@pstringD{#3}%
11676 \Hy@MakeRemoteAction
11677 \pdfmark{%
11678 bann<<%
11679 /Type/Annot%
11680 /Subtype/Link%
11681 \ifHy@pdfa /F 4\fi
11682 \Hy@setpdfborder
11683 \ifx\@filebordercolor\relax
11684 \else
11685 /C[\@filebordercolor]%
11686 \fi
11687 /A<<%
11688 /S/GoToR%
11689 /F(\Hy@pstringF)%
11690 /D%
11691 \ifx\#3\%
11692 [\Hy@href@page\@pdfremotestartview]%
11693 \else
11694 (\Hy@pstringD)%
11695 \fi
11696 \Hy@SetNewWindow
11697 \Hy@href@nextactionraw
11698 >>%
11699 >>%
11700 }%
11701 \Hy@colorlink\@filecolor
11702 }%
11703 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11704 \Hy@endAnnot
11705 }
11706 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
11707 \leavevmode
11708 \Hy@BeginAnnot{%

```



```

11709 \Hy@pstringdef\Hy@pstringF{#1}%
11710 \Hy@pstringdef\Hy@pstringP{#3}%
11711 \@pdfm@mark{%
11712     bann<<%
11713         /Type/Annot%
11714         /Subtype/Link%
11715         \ifHy@pdfa /F 4\fi
11716         \Hy@setpdfborder
11717         \ifx\@runbordercolor\relax
11718         \else
11719             /C[\@runbordercolor]%
11720         \fi
11721         /A<<%
11722             /F(\Hy@pstringF)%
11723             /S/Launch%
11724             \Hy@SetNewWindow
11725             \ifx\#3\%
11726             \else
11727                 /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
11728             \fi
11729             \Hy@href@nextactionraw
11730         >>%
11731     >>%
11732 }%
11733 \Hy@colorlink\@runcolor
11734 }%
11735 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11736 \Hy@endAnnot
11737 }
11738 \def\hyper@linkurl#1#2{%
11739     \leavevmode
11740     \Hy@BeginAnnot{%
11741         \Hy@pstringdef\Hy@pstringURI{#2}%
11742         \@pdfm@mark{%
11743             bann<<%
11744                 /Type/Annot%
11745                 /Subtype/Link%
11746                 \ifHy@pdfa /F 4\fi
11747                 \Hy@setpdfborder
11748                 \ifx\@urlbordercolor\relax
11749                 \else
11750                     /C[\@urlbordercolor]%
11751                 \fi
11752                 /A<<%
11753                     /S/URI%
11754                     /URI(\Hy@pstringURI)%
11755                     \ifHy@href@ismap
11756                     /IsMap true%
11757                 \fi
11758                 \Hy@href@nextactionraw

```



```

11759     >>%
11760     >>%
11761     }%
11762     \Hy@colorlink\@urlcolor
11763     }%
11764     \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11765     \Hy@EndAnnot
11766 }
11767 \def\Acrobatmenu#1#2{%
11768     \Hy@Acrobatmenu{#1}{#2}{%
11769         \Hy@BeginAnnot{%
11770             \EdefEscapeName\Hy@temp@menu{#1}%
11771             \@pdfm@mark{%
11772                 bann<<%
11773                 /Type/Annot%
11774                 /Subtype/Link%
11775                 \ifHy@pdfa /F 4\fi
11776                 \Hy@setpdfborder
11777                 \ifx\@menubordercolor\relax
11778                     \else
11779                     /C[\@menubordercolor]%
11780                     \fi
11781                 /A<<%
11782                 /S/Named%
11783                 /N/\Hy@temp@menu
11784                 \Hy@href@nextactionraw
11785                 >>%
11786                 >>%
11787             }%
11788             \Hy@colorlink\@menucolor
11789             }%
11790             \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11791             \Hy@EndAnnot
11792         }%
11793     }
11794 \def\hyper@natlinkstart#1{%
11795     \Hy@backout{#1}%
11796     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
11797     \def\hyper@nat@current{#1}%
11798 }
11799 \def\hyper@natlinkend{%
11800     \if@RTL\endR\fi\hyper@linkend
11801 }
11802 \def\hyper@natlinkbreak#1#2{%
11803     \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
11804 }%
11805 }
11806 \pdfstringdefDisableCommands{%
11807 \let\LR@firstofone
11808 \let\LR@firstofone

```



```

11809 \let\RLE\@firstofone
11810 \let\RL\@firstofone
11811 \def\XeTeX{Xe\TeX}
11812 \def\XeLaTeX{Xe\LaTeX}
11813 }
11814 \ifpackageloaded{longtable}{%
11815   \begingroup
11816     \def\y{LT@array}%
11817     \@ifundefined{scr@LT@array}{%
11818       \@ifundefined{adl@LT@array}{\def\y{adl@LT@array}}%
11819     }{\def\y{scr@LT@array}}%
11820     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
11821       \expandafter\endgroup
11822       \expandafter\def\y[##1]##2{%
11823         \H@refstepcounter{#1}%
11824         \hyper@makecurrent{table}%
11825         \let\Hy@LT@currentHref\@currentHref
11826         #2\@sharp####4%
11827       }%
11828     }%
11829     \expandafter\expandafter\expandafter\x\y[##1][##2]\@nil
11830   \begingroup
11831     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
11832     \endgroup
11833     \def\LT@start{%
11834       #1%
11835       \ifvoid\LT@foot#2\fi
11836       \let\@currentHref\Hy@LT@currentHref
11837       \Hy@raisedlink{%
11838         \hyper@anchorstart{\@currentHref}\hyper@anchorend
11839       }%
11840       #3%
11841     }%
11842   }%
11843   \expandafter\x\LT@start\@nil
11844 }{}

```

7.71 leqno-xetex-bidi.def

```

11845 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
11846 \renewcommand\@eqnnum{\hb@xt@.01\p@{}%
11847   \rlap{
11848     \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\}

```

7.72 letter-xetex-bidi.def

```

11849 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class
11850 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
11851   \thispagestyle{firstpage}%
11852   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
11853   \else % home address

```



```

11854 \thispagestyle{empty}%
11855 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
11856 \fromaddress \*[2\parskip]%
11857 \@date \end{tabular}\par}%
11858 \fi
11859 \vspace{2\parskip}%
11860 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
11861 \vspace{2\parskip}%
11862 #1\par\nobreak}
11863 \renewcommand\left@footnoterule{%
11864 \kern-\p@
11865 \hrule \@width .4\columnwidth
11866 \kern .6\p@}
11867 \renewcommand\right@footnoterule{%
11868 \kern-\p@
11869 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11870 \kern .6\p@}

```

7.73 lettrine-xetex-bidi.def

```

11871 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package for
11872 \def\@lettrine[#1]#2#3{%
11873 \setcounter{L@lines}{\theDefaultLines}%
11874 \setcounter{L@depth}{\theDefaultDepth}%
11875 \renewcommand*\L@hang{\DefaultLhang}%
11876 \renewcommand*\L@oversize{\DefaultLoversize}%
11877 \renewcommand*\L@raise{\DefaultLraise}%
11878 \renewcommand*\L@ante{\}%
11879 \setlength{\L@Findent}{\DefaultFindent}%
11880 \setlength{\L@Nindent}{\DefaultNindent}%
11881 \setlength{\L@slope}{\DefaultSlope}%
11882 \setlength{\L@novskip}{\DiscardVskip}%
11883 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
11884 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
11885 \if\DefaultOptionsFile\relax
11886 \else
11887 \begingroup
11888 \InputIfFileExists{\DefaultOptionsFile}%
11889 {}%
11890 {\PackageWarning{lettrine.sty}%
11891 {File \DefaultOptionsFile\space not found}%
11892 }%
11893 \def\color##1##{\l@color{##1}}%
11894 \let\l@color\@gobbletwo
11895 \def\textcolor##1##{\l@textcolor{##1}}%
11896 \def\l@textcolor##1##2##3{##3}%
11897 \expandafter\ifx\csname l@#2-keys\endcsname\relax
11898 \gdef\l@LOKeys{%
11899 \else
11900 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%

```



```

11901         \fi
11902     \endgroup
11903     \def\KV@prefix{KV@L@}%
11904     \let\@tempc\relax
11905     \expandafter\KV@do\l@LOKeys,\relax,
11906     \sbox{\L@lbox}{\LettrineFont #2}%
11907     \setlength{\LettrineWidth}{\wd\L@lbox}%
11908     \def\KV@prefix{KV@L@}%
11909     \let\@tempc\relax
11910     \expandafter\KV@do\l@LOKeys,\relax,
11911     \fi
11912     \setkeys{L}{#1}%
11913     \ifL@image
11914         \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
11915     \else
11916         \sbox{\L@lbox}{\LettrineFont #2}%
11917     \fi
11918     \sbox{\L@tbox}{\LettrineTextFont{#3}}%
11919     \@tempdima=\baselineskip
11920     \ifnum\theL@lines=1
11921         \setlength{\L@first}{\ht\L@lbox}%
11922         \addtolength{\L@first}{-\ht\L@tbox}%
11923         \setlength{\L@lraise}{\z@}%
11924     \else
11925         \setlength{\L@first}{-\theL@lines\@tempdima}%
11926         \addtolength{\L@first}{\@tempdima}%
11927         \sbox{\@tempboxa}{\LettrineTextFont x}%
11928         \addtolength{\L@first}{-\ht\@tempboxa}%
11929         \setlength{\L@lraise}{-\L@raise\L@first}%
11930         \addtolength{\L@first}{\L@lraise}%
11931         \addtolength{\L@first}{\ht\L@lbox}%
11932         \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
11933         \addtolength{\L@lraise}{\@tempdima}%
11934     \fi
11935     \par
11936     \ifdim\L@first>\L@novskip
11937         \ifL@grid
11938             \@tempdima=\baselineskip
11939             \@tempdimb=\@tempdima
11940             \advance\@tempdimb by \L@novskip
11941             \@tempcnta=1
11942             \loop\ifdim\L@first>\@tempdimb
11943                 \advance\@tempcnta by 1
11944                 \advance\L@first by -\@tempdima
11945             \repeat
11946             \vskip\@tempcnta\baselineskip
11947         \else
11948             \vskip\L@first
11949         \fi
11950     \fi

```



```

11951 \setlength{\L@Pindent}{\wd\L@lbox}%
11952 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
11953 \settowidth{\L@first}{\L@ante}%
11954 \addtolength{\L@Pindent}{\L@first}%
11955 \addtolength{\L@Pindent}{\L@Findent}%
11956 \setlength{\L@first}{\linewidth}%
11957 \addtolength{\L@first}{-\L@Pindent}%
11958 \addtolength{\L@Nindent}{\L@Pindent}%
11959 \setlength{\L@next}{\linewidth}%
11960 \addtolength{\L@next}{-\L@Nindent}%
11961 \addtolength{\L@Pindent}{\rightmargin}%
11962 \addtolength{\L@Nindent}{\rightmargin}%
11963 \setlength{\LettrineWidth}{\wd\L@lbox}%
11964 \setlength{\LettrineHeight}{\ht\L@lbox}%
11965 \setlength{\LettrineDepth}{\dp\L@lbox}%
11966 \addtocounter{L@lines}{1}%
11967 \addtocounter{L@lines}{\the\c@L@depth}%
11968 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pindent}%
11969 \@tempcnta=\tw@
11970 \@whilenum \@tempcnta<\c@L@lines\do{%
11971   \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the\L@Pindent}%
11972     \addtolength{\L@Nindent}{\L@slope}%
11973     \addtolength{\L@next}{-\L@slope}%
11974     \advance\@tempcnta\@ne}%
11975 \ifRTL\edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \rightmargin}%
11976 \noindent
11977 \parshape=\L@parshape\relax
11978 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
11979   \hskip \the\L@Findent}}%
11980 \usebox{\L@tbox}%
11981 }

```

7.74 listings-xetex-bidi.def

```

11982 \ProvidesFile{listings-xetex-bidi.def}[2015/08/23 v0.9 bidi adaptations for listings package for xetex]
11983 \lst@Key{captiondirection}{textdirection}{%
11984   \lstKV@SwitchCases{#1}%
11985   {textdirection&\\%
11986     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
11987     LTR&\chardef\bidi@lst@caption@direction\@z}%
11988   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
11989 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
11990   \@ifundefined{bidi@lst@caption@direction}{%
11991     \ifnum\bidi@lst@caption@direction=\@z%
11992       #1%
11993     \else%
11994       \ifnum\bidi@lst@caption@direction=\@ne%
11995         #2%
11996       \fi%
11997     \fi%

```




```

11998 }}
11999 \long\def\@bidi@lst@makecaption#1#2{%
12000     \vskip\abovecaptionskip
12001     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12002     \sbox\@tempboxa{%
12003     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
12004     #1: #2%
12005     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12006     }%
12007     \ifdim \wd\@tempboxa >\hsize
12008         #1: #2\par
12009     \else
12010         \global \@minipagefalse
12011         \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12012     \fi
12013     \vskip\belowcaptionskip}%
12014 \def\lst@makecaption{\@bidi@lst@makecaption}
12015 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
12016 \bidi@patchcmd{\lst@MakeCaption}{%
12017     \ifx #1t%
12018         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12019             \expandafter\refstepcounter
12020         \fi {lstlisting}%
12021 }{%
12022     \ifx #1t%
12023         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12024         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12025             \expandafter\refstepcounter
12026         \fi {lstlisting}%
12027         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
12028 }{}{}
12029 \bidi@patchcmd{\lst@MakeCaption}{%
12030     \addcontentsline{lol}{lstlisting}%
12031     {\protect\numberline{\thelstlisting}\lst@@caption}%
12032 }{%
12033 \begingroup%
12034     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12035     \addcontentsline{lol}{lstlisting}%
12036     {\protect\numberline{\thelstlisting}\lst@@caption}%
12037 \endgroup%
12038 }{}{}
12039 \AtBeginDocument{%
12040 \@ifundefined{captionlabelfalse}{}{%
12041     \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
12042 \@ifundefined{caption@startrue}{}{%
12043     \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
12044 }
12045 \AtBeginDocument{
12046     \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
12047     \lst@ifnumberbychapter

```



```

12048      \gdef\thelstlisting%
12049      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12050  \else
12051      \gdef\thelstlisting{\@arabic\c@lstlisting}
12052  \fi}

```

7.75 loadingorder-xetex-bidi.def

```

12053 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last pa
12054 \bidi@isloaded{amsmath}
12055 \bidi@isloaded{amstext}
12056 \bidi@isloaded{amsthm}
12057 \bidi@isloaded{animate}
12058 \bidi@isloaded{breqn}
12059 \bidi@isloaded{cals}
12060 \bidi@isloaded{caption}
12061 \bidi@isloaded{crop}
12062 \bidi@isloaded{cuted}
12063 \bidi@isloaded{cutwin}
12064 \bidi@isloaded{color}
12065 \bidi@isloaded{dblfnote}
12066 \bidi@isloaded{xcolor}
12067 \bidi@isloaded{colortbl}
12068 \bidi@isloaded{float}
12069 \bidi@isloaded{floatrow}
12070 \bidi@isloaded{flowfram}
12071 \bidi@isloaded{framed}
12072 \bidi@isloaded{ftnright}
12073 \bidi@isloaded{xltextra}
12074 \bidi@isloaded{xunicode}
12075 \bidi@isloaded{wrapfig}
12076 \bidi@isloaded{graphicx}
12077 \bidi@isloaded{geometry}
12078 \bidi@isloaded{hvfloat}
12079 \bidi@isloaded{mdframed}
12080 \bidi@isloaded{midfloat}
12081 \bidi@isloaded{ntheorem}
12082 \bidi@isloaded{ntheorem-hyper}
12083 \bidi@isloaded{hyperref}
12084 \bidi@isloaded{fancybox}
12085 \bidi@isloaded{fancyhdr}
12086 \bidi@isloaded{fix2col}
12087 \bidi@isloaded{draftwatermark}
12088 \bidi@isloaded{empheq}
12089 \bidi@isloaded{overpic}
12090 \bidi@isloaded{pdfpages}
12091 \bidi@isloaded{listings}
12092 \bidi@isloaded{lettrine}
12093 \bidi@isloaded{media9}
12094 \bidi@isloaded{pstricks}

```



```

12095 \bidi@isloaded{pgf}
12096 \bidi@isloaded{picinpar}
12097 \bidi@isloaded{quotchap}
12098 \bidi@isloaded{tikz}
12099 \bidi@isloaded{titlesec}
12100 \bidi@isloaded{titletoc}
12101 \bidi@isloaded{array}
12102 \bidi@isloaded{soul}
12103 \bidi@isloaded{stabular}
12104 \bidi@isloaded{subfig}
12105 \bidi@isloaded{subfigure}
12106 \bidi@isloaded{supertabular}
12107 \bidi@isloaded{xtab}
12108 \bidi@isloaded{longtable}
12109 \bidi@isloaded{arydshln}
12110 \bidi@isloaded{multicol}
12111 \bidi@isloaded{multienum}
12112 \bidi@isloaded{minitoc}
12113 \bidi@isloaded{natbib}
12114 \bidi@isloaded{newfloat}
12115 \bidi@isloaded{ragged2e}
12116 \bidi@isloaded{rotating}
12117 \bidi@isloaded{tbls}
12118 \bidi@isloaded{tabulary}
12119 \bidi@isloaded{tocstyle}
12120 \bidi@isloaded{tocbibind}
12121 \bidi@isloaded{fontspec}
12122 \bidi@isloaded{arabxetex}
12123 \bidi@isloaded{polyglossia}
12124 \bidi@isloaded{fancyvrb}
12125 \AtBeginDocument{
12126   \if@bidi@amsmathloaded@else
12127     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. P
12128   \fi%
12129   \if@bidi@amstextloaded@else
12130     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. P
12131   \fi%
12132   \if@bidi@amsthmloaded@else
12133     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. P
12134   \fi%
12135   \if@bidi@animateloaded@else
12136     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package. P
12137   \fi%
12138   \if@bidi@breqnloaded@else
12139     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Ple
12140   \fi%
12141   \if@bidi@calsloaded@else
12142     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Plea
12143   \fi%
12144   \if@bidi@captionloaded@else

```



```

12145 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. Ple
12146 \fi%
12147 \if@bidi@croploded@else
12148 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Plea
12149 \fi%
12150 \if@bidi@colorloaded@else
12151 \@ifpackageloaded{hyperref}{\fi%
12152 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Ple
12153 \fi%
12154 \if@bidi@cutwinloaded@else
12155 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. PI
12156 \fi%
12157 \if@bidi@cutedloaded@else
12158 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Ple
12159 \fi%
12160 \if@bidi@dblfnoteloaded@else
12161 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
12162 \fi%
12163 \if@bidi@xcolorloaded@else
12164 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. PI
12165 \fi%
12166 \if@bidi@colortblloaded@else
12167 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
12168 \fi%
12169 \if@bidi@floatloaded@else
12170 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Ple
12171 \fi%
12172 \if@bidi@floatrowloaded@else
12173 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
12174 \fi%
12175 \if@bidi@flowframloaded@else
12176 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
12177 \fi%
12178 \if@bidi@framedloaded@else
12179 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. PI
12180 \fi%
12181 \if@bidi@ftnrightloaded@else
12182 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
12183 \fi%
12184 \if@bidi@xltxtalloaded@else
12185 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltextra after bidi package. P
12186 \fi%
12187 \if@bidi@xunicodeloaded@else
12188 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.
12189 \fi%
12190 \if@bidi@wrapfigloaded@else
12191 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. P
12192 \fi%
12193 \if@bidi@graphicxloaded@else
12194 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.

```



```

12195 \fi%
12196 \if@bidi@geometryloaded@else
12197 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.
12198 \fi%
12199 \if@bidi@hvffloatloaded@else
12200 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvffloat after bidi package.
12201 \fi%
12202 \if@bidi@mdframedloaded@else
12203 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
12204 \fi%
12205 \if@bidi@midfloatloaded@else
12206 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
12207 \fi%
12208 \if@bidi@ntheoremloaded@else
12209 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
12210 \fi%
12211 \if@bidi@hyperrefloaded@else
12212 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
12213 \fi%
12214 \if@bidi@fancyboxloaded@else
12215 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
12216 \fi%
12217 \if@bidi@fancyhdrloaded@else
12218 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
12219 \fi%
12220 \if@bidi@draftwatermarkloaded@else
12221 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
12222 \fi%
12223 \if@bidi@empheqloaded@else
12224 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package.
12225 \fi%
12226 \if@bidi@overpicloaded@else
12227 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi package.
12228 \fi%
12229 \if@bidi@pdfpagesloaded@else
12230 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
12231 \fi%
12232 \if@bidi@lettrineloaded@else
12233 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
12234 \fi%
12235 \if@bidi@listingsloaded@else
12236 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
12237 \fi%
12238 \csname if@bidi@media9loaded@endcsname\else
12239 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package.
12240 \fi%
12241 \if@bidi@pstricksloaded@else
12242 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
12243 \fi%
12244 \if@bidi@pgfloaded@else

```



```

12245 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
12246 \fi%
12247 \if@bidi@picinparloaded@else
12248 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.
12249 \fi%
12250 \if@bidi@quotchaploaded@else
12251 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package.
12252 \fi%
12253 \if@bidi@tikzloaded@else
12254 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Pleas
12255 \fi%
12256 \if@bidi@titlesecloaded@else
12257 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
12258 \fi%
12259 \if@bidi@titletocloaded@else
12260 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
12261 \fi%
12262 \if@bidi@arrayloaded@else
12263 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
12264 \fi%
12265 \if@bidi@stabularloaded@else
12266 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
12267 \fi%
12268 \if@bidi@soulloaded@else
12269 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Pleas
12270 \fi%
12271 \if@bidi@subfigloaded@else
12272 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. Pl
12273 \fi%
12274 \if@bidi@subfigureloaded@else
12275 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package
12276 \fi%
12277 \if@bidi@supertabularloaded@else
12278 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi pack
12279 \fi%
12280 \if@bidi@xtabloaded@else
12281 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Pleas
12282 \fi%
12283 \if@bidi@longtableloaded@else
12284 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package
12285 \fi%
12286 \if@bidi@arydshlnloaded@else
12287 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
12288 \fi%
12289 \if@bidi@multicolloaded@else
12290 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
12291 \fi%
12292 \if@bidi@multienumloaded@else
12293 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package
12294 \fi%

```



```

12295 \if@bidi@minitocloaded@else
12296 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. Pl
12297 \fi%
12298 \if@bidi@natbibloaded@else
12299 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. Pl
12300 \fi%
12301 \if@bidi@newfloatloaded@else
12302 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
12303 \fi%
12304 \csname if@bidi@ragged2eloaded@endcsname\else
12305 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
12306 \fi%
12307 \if@bidi@rotatingloaded@else
12308 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
12309 \fi%
12310 \if@bidi@tablsloaded@else
12311 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabls after bidi package. Pl
12312 \fi%
12313 \if@bidi@tabularyloaded@else
12314 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package.
12315 \fi%
12316 \if@bidi@tocstyleloaded@else
12317 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
12318 \fi%
12319 \if@bidi@tocbibindloaded@else
12320 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package
12321 \fi%
12322 \if@bidi@fontspecloaded@else
12323 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
12324 \fi%
12325 \if@bidi@arabxetexloaded@else
12326 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package
12327 \fi%
12328 \if@bidi@polyglossialoaded@else
12329 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packa
12330 \fi%
12331 \if@bidi@fancyvrbloaded@else
12332 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
12333 \fi%
12334 }

```

7.76 longtable-xetex-bidi.def

```

12335 \ProvidesFile{longtable-xetex-bidi.def}[2013/04/01 v0.3 bidi adaptations for longtable package f
12336 \def\LT@array[#1]#2{%
12337 \refstepcounter{table}\stepcounter{LT@tables}%
12338 \if l#1%
12339 \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
12340 \else\if r#1%
12341 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi

```



```

12342 \else\if c#1%
12343   \Lleft\fill \Ltright\fill
12344 \fi\fi\fi
12345 \let\LT@mc\multicolumn
12346 \let\LT@tabarray\@tabarray
12347 \let\LT@hline\hline
12348 \def\@tabarray{%
12349   \let\hline\LT@hline
12350   \LT@tabarray}%
12351 \let\LT@tabularcr\let\@tabularnewline\%
12352 \def\newpage{\noalign{\break}}%
12353 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
12354 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
12355 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
12356 \let\@tempdima\ht\strutbox
12357 \let\@endpbox\LT@endpbox
12358 \ifx\extrarowheight\@undefined
12359   \let\@acol\@tabacol
12360   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
12361   \def\@startpbox{\vtop\LT@startpbox}%
12362   \let\@startpbox\@startpbox
12363   \let\@endpbox\@endpbox
12364   \let\LT@LL@FM@cr\@tabularcr
12365 \else
12366   \advance\@tempdima\extrarowheight
12367   \col@sep\@tabcolsep
12368   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
12369 \fi
12370 \setbox\@arstrutbox\hbox{\vrule
12371   \@height \arraystretch \@tempdima
12372   \@depth \arraystretch \dp \strutbox
12373   \@width \z@}%
12374 \let\@sharp#\let\protect\relax
12375 \begingroup
12376   \mkpream{#2}%
12377   \xdef\LT@bchunk{%
12378     \global\advance\c@LT@chunks\@ne
12379     \global\LT@rows\z@\setbox\z@\vbox\bgroup
12380     \LT@setprevdepth
12381     \tabskip\Lleft \noexpand\halign to\hsize\bgroup
12382     \tabskip\z@ \@arstrut \preamble \tabskip\Ltright \cr}%
12383 \endgroup
12384 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12385 \LT@make@row
12386 \m@th\let\par\@empty
12387 \everycr{\lineskip\z@\baselineskip\z@
12388   \LT@bchunk}
12389 \def\LT@makecaption#1#2#3{%
12390   \LT@mc\LT@cols c{\hbox to\z@{\hss\parbox[t]{\LT@capwidth{%
12391     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}}%

```




```

12392 \ifdim\wd\@tempboxa>\hsize
12393 #1{#2: }#3%
12394 \else
12395 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
12396 \fi
12397 \endgraf\vskip\baselineskip}%
12398 \hss}}}}
12399 \def\LT@startpbox#1{%
12400 \bgroup
12401 \let\@footnotetext\LT@p@ftntext
12402 \let\@LTRfootnotetext\LT@p@LTRftntext
12403 \let\@RTLfootnotetext\LT@p@RTLftntext
12404 \setlength\hsize{#1}%
12405 \@arrayparboxrestore
12406 \vrule \@height \ht\@arstrutbox \@width \z@}
12407 \def\LT@p@LTRftntext#1{%
12408 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
12409 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12410 \def\LT@p@RTLftntext#1{%
12411 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
12412 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

7.77 mdframed-xetex-bidi.def

```

12413 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for
12414 \newif\if@bidi@mdf@RTL
12415 \def\mdf@lrbox#1{%
12416 \mdf@patchamsthm%patch amsthm
12417 \if@RTL\@bidi@mdf@RTLtrue\fi%
12418 \@RTLfalse%
12419 \setbox#1\vbox\bgroup%
12420 \color@begingroup%
12421 \if@bidi@mdf@RTL\@RTLtrue\fi%
12422 \mdf@horizontalmargin@equation%
12423 \columnwidth=\hsize%
12424 \textwidth=\hsize%
12425 \let\if@nobreak\iffalse%
12426 \let\if@noskipsec\iffalse%
12427 \let\par\@par%
12428 \let\-\@dischyp%
12429 \let'\@acci\let\`@accii\let\=@acciii%
12430 \parindent\z@ \parskip\z@skip%
12431 \linewidth\hsize%
12432 \@totalleftmargin\z@%
12433 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
12434 \parfillskip\@flushglue \lineskip\normallineskip%
12435 \baselineskip\normalbaselineskip%
12436 %% \sloppy%
12437 \let\\\@normalcr%
12438 \mdf@par@local%New feature to restore parskip/parindent local in save box

```



```

12439     \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
12440     \@afterindentfalse%
12441     %\@afterheading%
12442 }
12443 \renewrobustcmd\mdfframetitleenv[1]{%
12444     \mdf@lrbox{\mdf@frametitlebox}%
12445     \mdf@frametitlealignment%
12446     \leavevmode{\color{\mdf@frametitlefontcolor}%
12447         \normalfont\mdf@frametitlefont{#1}
12448         \ifbool{mdf@ignorelastdescenders}%
12449             {%
12450                 \par\strut\par
12451                 \unskip\unskip\setbox0=\lastbox
12452                 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12453             }%
12454     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
12455     \endmdf@lrbox\relax%
12456     \mdf@ignorevbadness%
12457     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12458     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12459     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12460     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
12461     \mdfframetitleboxtotalheight=\dimexpr
12462         \ht\mdf@frametitlebox
12463         +\dp\mdf@frametitlebox%
12464         +\mdf@frametitleaboveskip@length
12465         +\mdf@frametitlebelowskip@length
12466         \relax%
12467 }
12468
12469 \renewrobustcmd*\mdf@footnoteoutput{%
12470     \ifvoid\@mpfootins\else%
12471         \nobreak%
12472         \vskip\mdf@footnotedistance@length%
12473         \normalcolor%
12474         \bidi@mpfootnoterule%
12475         \unvbox\@mpfootins%
12476     \fi%
12477 }
12478
12479
12480 \renewrobustcmd*\mdf@footnoteinput{%
12481     \def\@mpfn{mpfootnote}%
12482     \def\thempfn{\thempfootnote}%
12483     \c@mpfootnote\z@%
12484     \let\@footnotetext\@mpfootnotetext%
12485     \let\@LTRfootnotetext\@mplTRfootnotetext%
12486     \let\@RTLfootnotetext\@mpRTLfootnotetext%
12487 }

```



7.78 bidi-media9.sty

```

12488 \ProvidesExplPackage{bidi-media9}{2016/05/03}{0.2}
12489 {bidi fixes for media9 package for the XeTeX engine}
12490
12491 \keys_define:nn{media9/mbtn}{
12492   draft .code:n = {},
12493   final .code:n = {},
12494
12495   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
12496   tooltip .value_required:n = {true},
12497
12498   overface .code:n = {
12499     \%hbox_set:Nn\l_mix_poster_box{#1}
12500     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12501     \mix_pdfxform:n{\l_mix_poster_box}
12502     \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
12503   },
12504   overface .value_required:n = {true},
12505
12506   downface .code:n = {
12507     \%hbox_set:Nn\l_mix_poster_box{#1}
12508     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12509     \mix_pdfxform:n{\l_mix_poster_box}
12510     \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
12511   },
12512   downface .value_required:n = {true},
12513
12514   3Dgotoview .code:n = {
12515     \tl_set:Nx\l_tmpa_tl{#1} %extract ref
12516     \regex_replace_once:nnN{([~:]+)??.*}{\1}\l_tmpa_tl
12517     \tl_trim_spaces:N\l_tmpa_tl
12518     \tl_if_exist:CTF{ann@\l_tmpa_tl}{
12519       \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12520         \tl_set:Nx\l_tmpb_tl{#1} %extract idx
12521         \regex_replace_once:nnN{([~:]+:?)}{\1}\l_tmpb_tl
12522         \tl_trim_spaces:N\l_tmpb_tl
12523         \tl_if_blank:VF\l_tmpb_tl{
12524           \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
12525             \tl_set:Nx\l_mix_vidx_tl{/ \l_tmpb_tl}
12526           }{
12527             \regex_match:nVTF{^~\d+$}\l_tmpb_tl{
12528               \tl_set:Nx\l_mix_vidx_tl{~ \l_tmpb_tl}
12529             }{
12530               \regex_replace_once:nnN{^~(\s*)}{\1}\l_tmpb_tl
12531               \regex_replace_once:nnN{\s*~}{\1}\l_tmpb_tl
12532               \tl_set:Nx\l_mix_vidx_tl{~ (\l_tmpb_tl)}
12533             }
12534           }
12535         }

```



```

12536 \mix_pdfobj:nnn{}{dict}{
12537   /S/JavaScript/JS~(
12538     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12539     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12540       annotRM['\l_tmpa_tl']=
12541       this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12542     }
12543     annotRM['\l_tmpa_tl'].activated=true;
12544   )
12545   \tl_if_blank:VF\l_tmpb_tl{
12546     /Next~<<
12547     /S/GoTo3DView
12548     /TA~\tl_use:c{ann@\l_tmpa_tl}
12549     /V\l_mix_vidx_tl
12550     >>
12551   }
12552 }
12553 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12554 }
12555 }{
12556   \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
12557   \cs_if_exist:NF\g_mix_refundefwarned_tl{
12558     \tl_new:N\g_mix_refundefwarned_tl
12559     \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
12560   }
12561 }
12562 },
12563 3Dgotoview .value_required:n = {true},
12564
12565 mediacommand .code:n = {
12566   \tl_set:Nx\l_tmpa_tl{#1}
12567   \regex_replace_once:nnN{([~:]+)??.*}{\l}\l_tmpa_tl %extract ref
12568   \tl_trim_spaces:N\l_tmpa_tl
12569   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12570     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12571       \tl_set:Nx\l_tmpb_tl{#1}
12572       \regex_replace_once:nnN{[~:]+\.:?}{\l}\l_tmpb_tl
12573       \tl_trim_spaces:N\l_tmpb_tl
12574       \regex_replace_all:nnN{^{\l}\}$}{\l}\l_tmpb_tl
12575       \tl_set:Nx\l_mix_cmd_tl{
12576         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
12577       \tl_trim_spaces:N\l_mix_cmd_tl
12578       \tl_set:Nx\l_mix_arg_tl{
12579         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
12580       \tl_trim_spaces:N\l_mix_arg_tl
12581       \mix_pdfobj:nnn{}{dict}{
12582         /S/JavaScript/JS~(
12583           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12584           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12585             annotRM['\l_tmpa_tl']=

```



```

12586         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12587     }
12588     annotRM['\l_tmpa_tl'].activated=true;
12589 )
12590 \tl_if_blank:VF\l_mix_cmd_tl{
12591     /Next~<<
12592     /S/RichMediaExecute
12593     /TA~\tl_use:c{ann@\l_tmpa_tl}
12594     /TI~\tl_use:c{main@\l_tmpa_tl}
12595     /CMD~<<
12596     /C~(\l_mix_cmd_tl)
12597     \tl_if_blank:VF\l_mix_arg_tl{
12598         /A~[\l_mix_arg_tl]
12599     }
12600     >>
12601     >>
12602 }
12603 }
12604 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12605 }
12606 }{
12607     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12608     \cs_if_exist:NF\g_mix_refundefwarned_tl{
12609         \tl_new:N\g_mix_refundefwarned_tl
12610         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12611     }
12612 }
12613 },
12614 mediacommand .value_required:n = {true},
12615
12616 jsaction .code:n = {
12617     \tl_set:Nx\l_tmpa_tl{#1}
12618     \regex_match:nVTF{^[^{:]+:.*$}\l_tmpa_tl{
12619         \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl %extract ref
12620         \tl_trim_spaces:N\l_tmpa_tl
12621     }{\tl_clear:N\l_tmpa_tl}
12622     \tl_set:Nx\l_tmpb_tl{#1}
12623     \tl_if_blank:VF\l_tmpa_tl{
12624         \tl_if_exist:cF{ann@\l_tmpa_tl}{
12625             \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12626             \cs_if_exist:NF\g_mix_refundefwarned_tl{
12627                 \tl_new:N\g_mix_refundefwarned_tl
12628                 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12629             }
12630         }
12631         \regex_replace_once:nnN{[~:]+:~}{\1}\l_tmpb_tl
12632     }
12633     \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
12634     \tl_trim_spaces:N\l_tmpb_tl
12635     \tl_if_blank:VF\l_tmpb_tl{

```



```

12636 \mix_pdfobj:nnn{}{dict}{
12637   /S/JavaScript/JS~(
12638     try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
12639 \bool_if:nT{
12640   \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12641   !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
12642 }{
12643   \mix_pdfobj:nnn{}{dict}{
12644     /S/JavaScript/JS~(
12645       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12646       if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12647         annotRM['\l_tmpa_tl']=
12648         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12649       }
12650       annotRM['\l_tmpa_tl'].activated=true;
12651     )
12652     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
12653   }
12654 }
12655 \bool_if:nT{
12656   \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12657   !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}||
12658   !\tl_if_blank_p:V\l_tmpb_tl
12659 }{
12660   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12661 }
12662 },
12663 jsaction .value_required:n = {true},
12664
12665 unknown .code:n = {
12666   \msg_error:nnx{media9}{unknown-option}{\l_keys_key_tl}
12667 }
12668 }
12669
12670
12671 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file
12672   \mix_uriend:
12673   \group_begin:
12674   \beginL
12675   \leavevmode
12676   %empty stream as appearance dummy
12677   \cs_if_exist:NF\g_mix_appearance_tl{
12678     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
12679     \mix_pdfxform:n{\l_mix_poster_box}
12680     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
12681   }
12682   \mix_reset:
12683   \mix_urbegin: %treat URI characters correctly
12684   \keys_set:nn{media9/user}{#1}
12685   \mix_uriend:

```



```

12686 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
12687 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
12688 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~={}{=}
12689 \tl_greplace_all:Nnn\g_mix_flashvars_tl{={}{=}
12690 \tl_gtrim_spaces:N\g_mix_flashvars_tl
12691
12692 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
12693
12694 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
12695 %\hbox_set:Nn\l_mix_poster_box{#2}
12696 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
12697 \mix_scale:n{\l_mix_poster_box}
12698 \bool_if:nTF{
12699   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
12700   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
12701 }{
12702   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
12703 }
12704 \bool_if:NTF\g_mix_usrdraft_bool{
12705   \tl_if_empty:NF\g_mix_usrlabel_tl{
12706     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
12707   }
12708   \tl_if_blank:oTF{#2}{
12709     \mix_uribegin: %treat URI characters correctly
12710     \mix_draftbox:n{\tl_to_str:n{#3}}
12711     \mix_uriend:
12712   }{
12713     \hbox_to_wd:nn{\g_mix_wd_tl}{
12714       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
12715       \box_use:N\l_mix_poster_box\hss
12716     }
12717   }
12718 }{
12719   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
12720     %attach script that switches off play button overlay upon activation
12721     \mix_pdfobj:nnn{}{stream}{
12722       {}{
12723         var~ocgs=host.getOCGs(host.pageNum);
12724         for(var~i=0;i<ocgs.length;i++){
12725           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
12726             ocgs[i].state=false;
12727           }
12728         }
12729       }
12730     }
12731     \mix_pdfobj:nnn{}{dict}{
12732       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
12733     }
12734     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
12735     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}

```



```

12736     %enforce plain playbutton overlay for XeTeX
12737     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
12738   }
12739   %embed main asset
12740   \mix_uribegin:
12741   \mix_embedasset:n{#3}
12742   \bool_if:nTF{
12743     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
12744   }{
12745     \bool_gset_true:N\g_mix_iiid_bool
12746     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
12747   }{
12748     \str_case_x:nnF{\l_mix_base_tl}{
12749       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12750       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12751       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12752       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12753       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12754     }\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
12755   }
12756   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
12757   \mix_uriend:
12758   %secondary assets (added by addresource)
12759   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
12760   \seq_map_inline:Nn\g_mix_script_seq{
12761     \mix_embedasset:n{##1}
12762     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
12763   }
12764   %attach 3D calculation script
12765   \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
12766     \mix_embedasset:n{3Dmenu.js}
12767     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
12768   }
12769   %create 3D views from file (option 3Dviews)
12770   \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
12771     \tl_set:Nn\l_mix_level_tl{\c_minus_one}
12772     \int_zero:N\l_mix_viewcnt_int
12773     \int_zero:N\l_mix_lineno_int
12774
12775     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
12776     \ior_map_inline:Nn\l_mix_vfile_stream{
12777       \int_incr:N\l_mix_lineno_int
12778       \keys_set:nn{media9/views}{##1} %process input line
12779     }
12780     \ior_close:N\l_mix_vfile_stream
12781   }
12782   \bool_if:nT{ %create default 3D view if required
12783     \g_mix_iiid_bool &&
12784     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
12785   }{

```




```

12786 \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
12787 \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
12788 \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
12789 \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
12790 \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
12791 \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
12792 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
12793
12794 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
12795 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
12796 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
12797 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
12798
12799 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
12800 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
12801 \tl_clear:N\l_mix_naarray_tl
12802
12803 \bool_if:NF\l_mix_ciiw_bool{
12804 \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
12805 \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
12806 }
12807
12808 \tl_clear:N\l_mix_naarray_tl
12809 \tl_clear:N\l_mix_saarray_tl
12810 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
12811
12812 \mix_view:n{Default}
12813 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
12814
12815 }
12816 \mix_pdfobj:nnn{}{dict}{
12817 /Type/RichMediaInstance
12818 /Subtype/\g_mix_mainassetsub_tl
12819 /Asset~\g_mix_mainasset_tl
12820 \bool_if:NF\g_mix_iiid_bool{
12821 /Params~<<
12822 /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
12823 /Foreground
12824 }{
12825 /Background
12826 }
12827 \tl_if_blank:VF\g_mix_flashvars_tl{
12828 /FlashVars~(\g_mix_flashvars_tl)
12829 }
12830 >>
12831 }
12832 }
12833 \tl_if_empty:NF\g_mix_usrlabel_tl{
12834 \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
12835 }

```



```

12836 \mix_pdfobj:nnn(){dict}{
12837     /Type/RichMediaConfiguration
12838     /Subtype/\g_mix_mainassetsub_tl
12839     /Instances~[\mix_pdflastobj:]
12840 }
12841 \mix_pdfobj:nnn(){dict}{
12842     /Type/RichMediaContent
12843     /Assets~<</Names~[\g_mix_assets_tl]>>
12844     /Configurations~[\mix_pdflastobj:]
12845     \bool_if:NT{
12846         \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
12847     }{
12848         /Views~[\l_mix_iiidviewarray_tl]
12849     }
12850 }
12851 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
12852 \bool_if:NT{
12853     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
12854 }{
12855     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
12856 }
12857 %determine floating window size
12858 \bool_if:NT\g_mix_opt_windowed_bool{
12859     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
12860 }
12861 \mix_pdfobj:nnn(){dict}{
12862     /Activation~<<
12863     /Condition\g_mix_act_tl
12864     \bool_if:NT{
12865         \g_mix_iiid_bool &&
12866         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
12867     }{%seems to work only with 3D content
12868         /Animation~<<
12869         /Subtype/\g_mix_playtpe_tl
12870         /PlayCount~\g_mix_playcnt_tl
12871         /Speed~\g_mix_playspd_tl
12872         >>
12873     }
12874     \bool_if:NT{
12875         \g_mix_iiid_bool && (
12876         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
12877         )
12878     }{/View~\l_mix_dfltview_tl}
12879     /Presentation~<<
12880     /Transparent~\g_mix_transp_tl
12881     \bool_if:NTF\g_mix_opt_windowed_bool{
12882         /Style/Windowed
12883         /Window~<<
12884         /Width~<</Default~\tl_mix_fltdw>>
12885         /Height~<</Default~\tl_mix_fltht>>

```



```

12886         /Position~<<
12887         /HOffset~0/VOffset~0
12888         \str_case_x:nnF{\g_mix_winpos_tl}{
12889             {tl}{/VAlign/Near/HAlign/Near}
12890             {cl}{/VAlign/Center/HAlign/Near}
12891             {bl}{/VAlign/Far/HAlign/Near}
12892             {bc}{/VAlign/Far/HAlign/Center}
12893             {br}{/VAlign/Far/HAlign/Far}
12894             {cr}{/VAlign/Center/HAlign/Far}
12895             {tr}{/VAlign/Near/HAlign/Far}
12896             {tc}{/VAlign/Near/HAlign/Center}
12897         }{/HAlign/Center/VAlign/Center}
12898     >>
12899     >>
12900     }{
12901         /Style/Embedded
12902     }
12903     \bool_if:NTF\g_mix_iid_bool{
12904         /Toolbar~\g_mix_tools_tl
12905         /NavigationPane~\g_mix_nav_tl
12906     }{
12907         /PassContextClick~\g_mix_contextclick_tl
12908     }
12909     >>
12910     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
12911     >>
12912     /Deactivation~<</Condition\g_mix_deact_tl>>
12913 }
12914 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
12915 \tl_if_empty:NF\g_mix_usrlabel_tl{
12916     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
12917 }
12918 % #1:width, #2:height, #3:depth, #4:content (key-value)
12919 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
12920     /Subtype/RichMedia
12921     /F~4\cs_if_exist_use:N\ocgxii@insert@OC
12922     /BS~<</W~0/S/S>>
12923     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
12924     /NM~(\g_mix_label_tl)
12925     /AP~<</N~\g_mix_appearance_tl>>
12926     /RichMediaSettings~\l_mix_settings_tl
12927     /RichMediaContent~\l_mix_content_tl
12928 }
12929 \tl_if_empty:NF\g_mix_usrlabel_tl{
12930     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
12931     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
12932         \noexpand\the\g@mix@page@int}
12933 }
12934 \mix_pdfobj:nnn{}{dict}{
12935     /S/JavaScript/JS~(

```



```

12936     try{
12937         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12938         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
12939             annotRM['\g_mix_label_tl']=
12940                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
12941         }
12942         \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
12943             if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
12944                 var~ocgs=this.getOCGs(this.pageNum);
12945                 for(var~i=0;i<ocgs.length;i++){
12946                     if(ocgs[i].name=='MediaPlayButton\int_use:N\g_mix_rmcnt_int'){
12947                         var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
12948                     }
12949                 }
12950             }
12951             if(
12952                 !annotRM['\g_mix_label_tl'].activated&&(
12953                     app.viewerType=='Reader' ||
12954                     app.viewerType=='Exchange' ||
12955                     app.viewerType=='Exchange-Pro'
12956                 )&&app.viewerVersion>=9
12957             ){
12958                 ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
12959             }
12960         }
12961     }catch(e){}
12962     this.dirty=false;
12963 )
12964 }
12965 \mix_pdfannot:nnnn{0pt}{0pt}{0pt}{
12966     /Subtype/Widget
12967     /FT/Btn/Ff~65537/F~2
12968     /BS~<</W~0>>
12969     /T~(fd@\g_mix_label_tl)
12970     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
12971 }
12972 \mix_appendtofields:n{\mix_pdflastann:}
12973 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
12974 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
12975     \hbox_to_wd:nn{\g_mix_wd_tl}{
12976         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
12977     }
12978 }{%insert play button overlay
12979     \mix_insert_btnocg: %create OCG
12980     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
12981     %\hbox_set:Nn\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
12982     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
12983     \box_move_down:nn{\g_mix_dp_tl}{
12984         \hbox_to_wd:nn{\g_mix_wd_tl}{
12985             \vbox_to_ht:nn{\g_mix_tt_tl}{

```



```

12986         \vss
12987         \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
12988         \box_use:N\l_mix_pbtn_box
12989         \ocgbase_oc_emc:
12990     }
12991 }
12992 }
12993 }
12994 \int_gincr:N\g_mix_rmcnt_int
12995 }
12996 \endL
12997 \group_end:
12998 }
12999 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
13000 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
13001
13002
13003
13004 \RenewDocumentCommand\mediabutton{0{ }m}{%#1 options, #2 normal button text
13005     \mix_urierend:
13006     \group_begin:
13007     \beginL
13008     \leavevmode
13009     %reset various variables
13010     \tl_gclear:N\g_mix_overbtn_tl
13011     \tl_gclear:N\g_mix_downbtn_tl
13012     \tl_gclear:N\g_mix_btnactions_tl
13013     \tl_gclear:N\g_mix_tooltip_tl
13014     %process options
13015     \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
13016     \mix_uribegin: %treat URI characters correctly
13017     \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
13018     \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
13019     \mix_urierend:
13020     %normal button appearance
13021     \hbox_set:Nn\l_mix_poster_box{#2}
13022     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13023     \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
13024     \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
13025     \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
13026     \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
13027         \mix_pdfxform:n{\l_mix_poster_box}
13028         \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
13029         \bool_if:nT{ %dummy Widget for ocgx2, AR seems to need it
13030 %         \cs_if_exist_p:N\ocgxii@insert@OC && !\tl_if_blank_p:V\ocgxii@insert@OC
13031             !\cs_if_exist:N\ocgxii@insert@OC{
13032                 \tl_if_blank_p:V\ocgxii@insert@OC
13033             }{
13034                 \c_true_bool
13035             }

```



```

13036 }{\mix_pdfannot:nnnn{\width}{\height}{\depth}{/Subtype/Widget/F~2}}
13037 %insert widget annotation
13038 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
13039   /Subtype/Widget
13040   /T~(mbtn@~\int_use:N\g_mix_mbtncnt_int)
13041   \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
13042   /FT/Btn/Ff~65536\cs_if_exist_use:N\ocgxii@insert@OC
13043   \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
13044   /AP~<<
13045   /N~\g_mix_normalbtn_tl
13046   \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
13047   \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
13048   >>
13049   /MK~<<
13050   /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
13051   /I~\g_mix_normalbtn_tl
13052   \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
13053   \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
13054   >>
13055   /A~<<
13056   /S/JavaScript/JS~(app.focusRect=false;)
13057   %sequence of actions to perform
13058   \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
13059   >>
13060 }
13061 \mix_appendtofields:n{\mix_pdflastann:}
13062 \hbox_to_wd:nn{\width}{
13063   \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
13064 }
13065 \int_gincr:N\g_mix_mbtncnt_int
13066 }
13067 \endL
13068 \group_end:
13069 }
13070 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
13071 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
13072
13073
13074

```

7.79 memoir-xetex-bidi.def

```

13075 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]
13076 \renewcommand{\keepthetitle}{%
13077   \@bsmtitleempty
13078   \global\let\thanks\relax
13079   \global\let\LTRthanks\relax
13080   \global\let\RTLthanks\relax
13081   \global\let\and\relax
13082   \global\let\andnext\relax

```



```

13083 \global\let\@thanks\@empty
13084 \global\let\@title\@empty
13085 \global\let\@author\@empty
13086 \global\let\@date\@empty}
13087 \renewcommand{\maketitle}{\par
13088 \begingroup
13089 \bbsmarkseries
13090 \def\@makefnmark{\@textsuperscript{%
13091 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
13092 \long\def\@makefntext##1{\makethanksmark ##1}
13093 \if@twocolumn
13094 \ifnum \col@number=\@ne
13095 \maketitle
13096 \else
13097 \twocolumn[\maketitle]%
13098 \fi
13099 \else
13100 \ifdim\pagetotal>\z@
13101 \newpage
13102 \fi
13103 \global\@topnum\z@
13104 \maketitle
13105 \fi
13106 \thispagestyle{title}\@thanks
13107 \endgroup
13108 \bscontmark % \setcounter{footnote}{0}%
13109 }
13110 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
13111 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
13112 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
13113 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
13114 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
13115 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
13116 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
13117 \renewcommand*{\thesubsection}{%
13118 \thesection\@SepMark\@arabic\c@subsection}
13119 \renewcommand*{\thesubsubsection}{%
13120 \thesubsection\@SepMark\@arabic\c@subsubsection}
13121 \renewcommand*{\theparagraph}{%
13122 \thesubsubsection\@SepMark\@arabic\c@paragraph}
13123 \renewcommand*{\thesubparagraph}{%
13124 \theparagraph\@SepMark\@arabic\c@subparagraph}
13125 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
13126 \renewcommand{\theequation}{%
13127 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13128 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
13129 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
13130 \ifartopt
13131 \chapterstyle{article}
13132 \counterwithout{figure}{chapter}

```



```

13133 \counterwithout{table}{chapter}
13134 \counterwithout{footnote}{chapter}
13135 \counterwithout{equation}{chapter}
13136 \renewcommand{\chaptername}{\}
13137 \renewcommand{\maketitlehookb}{\%
13138   \vskip -1.5\topsep\vskip -1.5\partopsep}
13139 \renewcommand{\maketitlehookc}{\%
13140   \vskip -1.5\topsep\vskip -1.5\partopsep}
13141 \fi
13142 \long\def\@makecaption#1#2{\let\@memtempa\relax
13143   \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
13144   \else \def\@memtempa{\vbox to\topskip{}}\fi
13145   \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
13146   \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
13147   \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
13148   \let\footnote\@contfnote
13149   \let\footnotemark\@contfmark
13150   \ifdim\wd\@tempboxa<\linewidth \centering \fi
13151   \if@contcw
13152     \centering
13153     \parbox{\@contcwidth}{\%
13154       \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
13155     \fi
13156   \ifdim\wd\@tempboxa<\linewidth
13157     \@contpre
13158     {\@contnfont #1\@contdelim}\@memtempa
13159     {\@contcshortstyle \@conttfont #2\@contfinal\par}
13160   \else
13161     \if@conthang
13162       \sbox\@tempboxa{\@contnfont #1\@contdelim}
13163       \@contpre%
13164       {\@contcstyle\hangindent=\wd\@tempboxa
13165         \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
13166     \else
13167       \if@contindent
13168         \@contpre%
13169         {\@contnfont #1\@contdelim}\@memtempa
13170         {\@contcstyle\hangindent=\@contindw
13171           \hangafter=\@cne\@conttfont #2\@contfinal\par}% <- v1.4
13172       \else
13173         \@contpre%
13174         {\@contnfont #1\@contdelim}\@memtempa
13175         {\@contcstyle \@conttfont #2\@contfinal\par}
13176       \fi
13177     \fi
13178   \fi
13179   \@contpost
13180   \if@contcw
13181     \par
13182   } % end of the \parbox

```




```

13183 \fi
13184 \vskip\belowcaptionskip}
13185 \@ifpackageloaded{caption}{%
13186 \AtBeginPackage{caption}{
13187 \ClassWarningNoLine{memoir}{%
13188 You are using the caption package with the memoir \MessageBreak
13189 class. This may cause unexpected or inconsistent \MessageBreak
13190 results if you use any of memoir's captioning facilities}
13191
13192 \long\def\@makecaption##1##2{%
13193 \vskip\abovecaptionskip
13194 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
13195 \ifdim \wd\@tempboxa >\hsize
13196 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
13197 \else
13198 \global \@minipagefalse
13199 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13200 \fi
13201 \vskip\belowcaptionskip}
13202
13203 \def\caption{%
13204 \ifx\@captype\@undefined
13205 \latex@error{\noexpand\caption outside float}\@ehd
13206 \expandafter\@gobble
13207 \else
13208 \refstepcounter\@captype
13209 \expandafter\@firstofone
13210 \fi
13211 {\@dblarg{\@caption\@captype}}}%
13212 }
13213
13214 \long\def\@caption##1[##2]##3{%
13215 \par
13216 \addcontentsline{\csname ext@##1\endcsname}{##1}%
13217 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}}%
13218 \begingroup
13219 \@parboxrestore
13220 \if@minipage
13221 \setminipage
13222 \fi
13223 \normalsize
13224 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
13225 \endgroup}
13226 }{}
13227 \renewenvironment{thebibliography}[1]{%
13228 \bibsection
13229 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13230 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```



7.8o midfloat-xetex-bidi.def

```

13231 \ProvidesFile{midfloat-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for midfloat package for
13232 \def\RTL@outputdblcol{%
13233   \if@firstcolumn
13234     \global \@firstcolumnfalse
13235     \global \setbox\@leftcolumn \box\@outputbox
13236     \global\c@colht\@colht\global\c@advipersep\z@
13237     \ifnum\jua@sk>0
13238       \remove@strip\jua@sar
13239       \global\@colht\the\jua@pr
13240       \ifdim\right@cor>\z@
13241         \global\advance\@colht by\right@cor
13242       \fi
13243       \global\advance\@colht by\cor@height
13244       \global\cor@height=0pt
13245     \fi
13246     \global \setbox\@rightcolumn \vbox{%
13247   \else
13248     \ifdim\c@colht>\@colht
13249       \@tempdima\@colht
13250       \ifdim\@colht>\z@
13251         \global\setbox\@rightcolumn \vbox{%
13252           \unvbox\@rightcolumn
13253           \vbox to\@tempdima{%
13254             \vskip\c@advipersep\unvbox\@outputbox}%
13255           \vskip\stripsep
13256           \vrule height\the\jua@ht width Opt depth Opt
13257           \vskip\stripsep
13258         }%
13259         \global\c@advipersep\m@advipersep
13260       \else
13261         \global\setbox\@rightcolumn \vbox{%
13262           \unvbox\@rightcolumn
13263           \vrule height\the\jua@ht width Opt depth Opt
13264           \vskip\stripsep
13265         }%
13266       \fi
13267     \ifnum\jua@sk>0
13268       \remove@strip\jua@sar
13269       \global\@colht\the\jua@pr
13270       \global\advance\@colht by-\ht\@rightcolumn
13271       \global\advance\@colht by\cor@height
13272       \global\cor@height=0pt
13273     \else
13274       \global\advance\c@colht by-\ht\@rightcolumn
13275       \global\@colht\c@colht
13276     \fi
13277   \else
13278     \global\@firstcolumntrue

```



```

13279 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13280     \unvbox\@rightcolumn
13281     \vskip\c@addvipersep
13282     \unvbox\@outputbox
13283     }%
13284 \setbox\@outputbox \vbox {%
13285     \hb@xt@\textwidth {%
13286     \hskip \columnwidth
13287     \hfil
13288     \vrule \@width\columnseprule
13289     \hfil
13290     \hb@xt@\columnwidth {%
13291     \box\@leftcolumn \hss}%
13292     \hskip-\textwidth
13293     \hb@xt@\columnwidth {%
13294     \box\@outputbox \hss}%
13295     \hskip\columnwidth
13296     \hskip\columnsep}%
13297     }%
13298 \@combinedblfloats
13299 \@outputpage
13300 \begingroup
13301     \@dblfloatplacement
13302     \@startdblcolumn
13303     \@whilesw\if@fcolmade \fi
13304     {\@outputpage
13305     \@startdblcolumn}%
13306 \endgroup
13307 \global\jua@sk=0\global\jua@sar={}
13308 \global\cor@height\z@\global\c@addvipersep\z@
13309 \fi
13310 \fi
13311 }
13312
13313
13314 \def\LTR@outputdblcol{%
13315     \if@firstcolumn
13316     \global \@firstcolumnfalse
13317     \global \setbox\@leftcolumn \box\@outputbox
13318     \global\c@colht\@colht\global\c@addvipersep\z@
13319     \ifnum\jua@sk>0
13320     \remove@strip\jua@sar
13321     \global\@colht\the\jua@pr
13322     \ifdim\right@cor>\z@
13323     \global\advance\@colht by\right@cor
13324     \fi
13325     \global\advance\@colht by\cor@height
13326     \global\cor@height=0pt
13327     \fi
13328     \global \setbox\@rightcolumn \vbox{%

```



```

13329 \else
13330   \ifdim\c@colht>\@colht
13331     \@tempdima\@colht
13332     \ifdim\@colht>\z@
13333       \global\setbox\@rightcolumn \vbox{%
13334         \unvbox\@rightcolumn
13335         \vbox to\@tempdima{%
13336           \vskip\c@addvipersep\unvbox\@outputbox}%
13337         \vskip\stripsep
13338         \vrule height\the\juaht width Opt depth Opt
13339         \vskip\stripsep
13340       }%
13341       \global\c@addvipersep\m@addvipersep
13342     \else
13343       \global\setbox\@rightcolumn \vbox{%
13344         \unvbox\@rightcolumn
13345         \vrule height\the\juaht width Opt depth Opt
13346         \vskip\stripsep
13347       }%
13348     \fi
13349     \ifnum\jua@sk>0
13350       \remove@strip\jua@sar
13351       \global\@colht\the\jua@pr
13352       \global\advance\@colht by -\ht\@rightcolumn
13353       \global\advance\@colht by\cor@height
13354       \global\cor@height=Opt
13355     \else
13356       \global\advance\c@colht by-\ht\@rightcolumn
13357       \global\@colht\c@colht
13358     \fi
13359 \else
13360   \global\@firstcolumntrue
13361   \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13362     \unvbox\@rightcolumn
13363     \vskip\c@addvipersep
13364     \unvbox\@outputbox
13365   }%
13366   \setbox\@outputbox \vbox {%
13367     \hb@xt@\textwidth {%
13368       \hb@xt@\columnwidth {%
13369         \box\@leftcolumn \hss}%
13370     \hfil
13371     \vrule \@width\columnseprule
13372     \hfil
13373     \hb@xt@\columnwidth {%
13374       \box\@outputbox \hss}%
13375     }%
13376   }%
13377   \@combinedblfloats
13378   \@outputpage

```



```

13379 \begingroup
13380 \@dblfloatplacement
13381 \@startdblcolumn
13382 \@whiles\if@fcolmade \fi
13383 {\@outputpage
13384 \@startdblcolumn}%
13385 \endgroup
13386 \global\jua@sk=0\global\jua@sar={}%
13387 \global\cor@height\z@\global\c@addvipersep\z@
13388 \fi
13389 \fi
13390 }
13391
13392
13393 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
13394 \global\setbox\@viper\ vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\v
13395 \hsize\textwidth
13396 \@parboxrestore
13397 \col@number \@ne
13398 \vrule height\topskip width0pt depth0pt
13399 }
13400
13401 \def\endstrip{%
13402 \egroup\egroup
13403 \if@firstcolumn
13404 \ifdim\pagetotal>\z@
13405 \vskip\stripsep
13406 \global\ht@strip\pagegoal
13407 \global\advance\ht@strip by-\pagetotal
13408 \global\advance\ht@strip by-\stripsep
13409 \global\advance\ht@strip by-\ht@viper
13410 \global\advance\ht@strip by-\stripsep
13411 \global\jua@ht=\ht@viper
13412 \else
13413 \global\ht@strip\z@
13414 \fi
13415 \ifdim\ht@strip>\z@
13416 \unvbox\@viper
13417 \vskip\stripsep
13418 \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
13419 \global\advance\jua@sk by1
13420 \else
13421 \@latex@error{Strip needs more place!}\@ehc
13422 \if@vihproof
13423 \framebox[\columnwidth]{??? Strip ???}%
13424 \fi
13425 \fi
13426 \else
13427 \@latex@error{Strip is used only on left column!}\@ehc
13428 \if@vihproof

```



```

13429         \framebox[\columnwidth]{??? Strip ???}%
13430     \fi
13431 \fi
13432 }

```

7.81 minitoc-xetex-bidi.def

```

13433 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for Xe
13434 \def\@undottedtocline#1#2#3#4#5{%
13435     \ifnum #1>\c@tocdepth\relax \else
13436         \vskip \z@ plus.2\p@
13437     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \p
13438         \parindent #2\relax\@afterindenttrue
13439         \interlinepenalty\@M
13440         \leavevmode
13441         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
13442         \hskip -\if@RTL\rightskip\else\leftskip\fi
13443         #4\nobreak\hfill \nobreak
13444         \null\par}%
13445 \fi}
13446 \def\@Undottedtocline#1#2#3#4#5{%
13447     \ifnum #1>\c@tocdepth\relax \else
13448         \vskip \z@ \@plus.2\p@
13449     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \p
13450         \parindent #2\relax\@afterindenttrue
13451         \interlinepenalty\@M
13452         \leavevmode
13453         \@tempdima #3\relax
13454         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
13455         {\coffefont #4}\nobreak \nobreak\null
13456         \par}%
13457 \fi}
13458 \def\@Undottedtoclinep#1#2#3#4#5{%
13459     \ifnum #1>\c@tocdepth\relax \else
13460         \vskip \z@ \@plus.2\p@
13461     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \p
13462         \parindent #2\relax\@afterindenttrue
13463         \interlinepenalty\@M
13464         \leavevmode
13465         \@tempdima #3\relax
13466         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
13467         {#4}\nobreak \hfill \nobreak\null
13468         \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
13469     \par}%
13470 \fi}

```

7.82 multicol-xetex-bidi.def

```

13471 \ProvidesFile{multicol-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for multicol package for
13472 \def\page@sofar{%
13473     \process@cols\mult@rightbox

```



```

13474     {\ifvoid\count@
13475       \setbox\count@\hbox to\hsize{}}%
13476     \else
13477       \wd\count@\hsize
13478     \fi}%
13479 \count@\col@number \advance\count@\m@ne
13480 \mult@info\z@
13481 {Column spec: \the\full@width\space = indent
13482               + columns + sep =\MessageBreak
13483               \the\multicol@leftmargin\space
13484               + \the\col@number\space
13485               x \the\hsize\space
13486               + \the\count@\space
13487               x \the\columnsep
13488       }%
13489 \ifvmode\else\errmessage{Multicol Error}\fi
13490 \nointerlineskip
13491 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
13492 \moveright\multicol@leftmargin
13493 \hbox to\full@width{%
13494   \bidi@multicol@align@columns
13495   \rlap{\phantom p}}%
13496 }%
13497 \prevdepth\z@
13498 \kern-\dimen\tw@
13499 \ifdim\dimen\tw@ > \mc@gridwarn
13500 \PackageWarning{multicol}%
13501   {Very deep columns!\MessageBreak
13502   Grid alignment might be broken}%
13503 \fi
13504 }
13505 \def\LTR@column@boxes{%
13506   \process@cols\mult@gfirstbox{%
13507     \ifdim\dp\count@>\dimen\tw@
13508     \global\dimen\tw@\dp\count@ \fi
13509     \mc@col@status@write
13510     \box\count@
13511     \hss{\columnseprulecolor\vrule
13512           \@width\columnseprule}\hss}%
13513   \ifdim\dp\mult@rightbox>\dimen\tw@
13514   \global\dimen\tw@\dp\mult@rightbox \fi
13515   \mc@lastcol@status@write
13516   \box\mult@rightbox
13517 }
13518
13519 \def\RTL@column@boxes{%
13520   \process@cols\mult@gfirstbox{%
13521     \hskip\hsize
13522     \hss{\columnseprulecolor\vrule
13523           \@width\columnseprule}\hss

```



```

13524 }%
13525 \hskip\hsize
13526 \process@cols\mult@gfirstbox{%
13527   \ifdim\dp\count@>\dimen\tw@
13528     \global\dimen\tw@\dp\count@ \fi
13529   \hskip-\hsize
13530   \mc@col@status@write
13531   \box\count@
13532   \hskip-\hsize
13533   \hskip-\columnsep
13534 }%
13535 \ifdim\dp\mult@rightbox>\dimen\tw@
13536   \global\dimen\tw@\dp\mult@rightbox \fi
13537 \hskip-\hsize
13538 \mc@lastcol@status@write
13539 \box\mult@rightbox
13540 \hskip-\hsize
13541 \hskip\full@width
13542 }
13543 \newcommand\RTLmulticolcolumns
13544   {\let\bidimulticol@align@columns
13545     \RTL@column@boxes}
13546 \newcommand\LTRmulticolcolumns
13547   {\let\bidimulticol@align@columns
13548     \LTR@column@boxes}
13549 \newcommand\bidimulticol@align@columns
13550   {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
13551 \def\multicols#1{\col@number#1\relax
13552   \ifnum\col@number<\tw@
13553     \PackageWarning{multicol}%
13554       {Using ``\number\col@number'
13555        columns doesn't seem a good idea.^^J
13556        I therefore use two columns instead}%
13557     \col@number\tw@ \fi
13558   \ifnum\col@number>10
13559     \PackageError{multicol}%
13560       {Too many columns}%
13561     {Current implementation doesn't
13562      support more than 10 columns.%
13563     \MessageBreak
13564     I therefore use 10 columns instead}%
13565   \col@number10 \fi
13566   \ifx\@footnotetext\mult@footnotetext\else
13567     \let\orig@footnotetext\@footnotetext
13568     \let\@footnotetext\mult@footnotetext
13569   \fi
13570   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
13571     \let\orig@LTRfootnotetext\@LTRfootnotetext
13572     \let\@LTRfootnotetext\mult@LTRfootnotetext
13573   \fi

```




```

13574 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
13575 \let\orig@RTLfootnotetext\@RTLfootnotetext
13576 \let\@RTLfootnotetext\mult@RTLfootnotetext
13577 \fi
13578 \ifnextchar[\mult@cols{\mult@cols[]}}
13579 \long\def\mult@footnotetext#1{\begingroup
13580 \hsize\textwidth
13581 \columnwidth\textwidth
13582 \orig@footnotetext{#1}\endgroup}
13583 \long\def\mult@LTRfootnotetext#1{\begingroup
13584 \hsize\textwidth
13585 \columnwidth\textwidth
13586 \orig@LTRfootnotetext{#1}\endgroup}
13587 \long\def\mult@RTLfootnotetext#1{\begingroup
13588 \hsize\textwidth
13589 \columnwidth\textwidth
13590 \orig@RTLfootnotetext{#1}\endgroup}
13591 \def\right@footnoterule{%
13592 \kern-3\p@
13593 \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
13594 \kern2.6\p@}
13595 \def\textwidth@footnoterule{\kern-3\p@
13596 \hrule \@width \textwidth \kern 2.6\p@}

```

7.83 multienum-xetex-bidi.def

```

13597 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
13598 \renewcommand{\itemx}[1]{\parbox[t]{%
13599 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13600 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
13601 \renewcommand{\itemxx}[2]{\parbox[t]{%
13602 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13603 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
13604 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13605 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
13606 \renewcommand{\itemxxx}[3]{\parbox[t]{%
13607 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13608 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
13609 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13610 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
13611 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13612 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip}
13613 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
13614 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13615 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
13616 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13617 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13618 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13619 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
13620 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep}

```



```

13621 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
13622 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
13623 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13624 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
13625 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13626 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
13627 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13628 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
13629 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13630 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
13631 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13632 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
13633 \renewcommand{\itemxox}[2]{\parbox[t]{%
13634 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13635 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13636 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13637 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
13638 \renewcommand{\itemxox}[2]{\parbox[t]{%
13639 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13640 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
13641 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13642 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
13643 \renewcommand{\itemxox}[3]{\parbox[t]{%
13644 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13645 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13646 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13647 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13648 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13649 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13650 \renewcommand{\itemxox}[3]{\parbox[t]{%
13651 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13652 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13653 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13654 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
13655 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13656 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13657 \renewcommand{\itemxxxo}[3]{\parbox[t]{%
13658 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13659 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13660 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13661 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13662 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13663 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

7.84 natbib-xetex-bidi.def

```

13664 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
13665 \renewenvironment{thebibliography}[1]{%
13666 \bibsection
13667 \parindent\z@

```



```

13668 \bibpreamble
13669 \bibfont
13670 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13671 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
13672 \ifNAT@openbib
13673 \renewcommand\newblock{\par}%
13674 \else
13675 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
13676 \fi
13677 \sloppy\clubpenalty4000\widowpenalty4000
13678 \sfcode`\.\@m
13679 \let\NAT@bibitem@first@sw\@firstoftwo
13680 \let\citeN\cite \let\shortcite\cite
13681 \let\citeasnoun\cite
13682 }{%
13683 \bibitem@fin
13684 \bibpostamble
13685 \def\@noitemerr{%
13686 \PackageWarning{natbib}{Empty `thebibliography' environment}%
13687 }%
13688 \endlist
13689 \bibcleanup
13690 }%

```

7.85 newfloat-xetex-bidi.def

```

13691 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
13692 \renewcommand*\newfloat@setwithin[2]{%
13693 \ifcsname c@chapter\endcsname
13694 \@removefromreset{#1}{chapter}%
13695 \fi
13696 \@removefromreset{#1}{section}%
13697 \edef\@tempa{#2}%
13698 \ifx\@tempa\@empty
13699 \def\@tempa{none}%
13700 \fi
13701 \def\@tempb{none}%
13702 \ifx\@tempa\@tempb
13703 \ifcsname c@chapter\endcsname
13704 \chapterlistsgap@off{#1}%
13705 \fi
13706 \newfloat@@setwithin{#1}{-}{-}%
13707 \else
13708 \def\@tempb{chapter}%
13709 \ifx\@tempa\@tempb
13710 \@addtoreset{#1}{chapter}%
13711 \chapterlistsgap@on{#1}%
13712 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMa
13713 \else
13714 \def\@tempb{section}%

```



```

13715 \ifx\@tempa\@tempb
13716 \@addtoreset{#1}{section}%
13717 \ifcsname c@chapter\endcsname
13718 \@addtoreset{#1}{chapter}%
13719 \@chapterlistsgap@on{#1}%
13720 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
13721 \else
13722 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
13723 \fi
13724 \else
13725 \newfloat@Error{Invalid value `#2' for option `within'}%
13726 \fi
13727 \fi
13728 \fi}

```

7.86 ntheorem-xetex-bidi.def

```

13729 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for xetex]
13730 \gdef\@thm#1#2#3{%
13731 \if@thmmarks
13732 \stepcounter{end\InTheoType ctr}%
13733 \fi
13734 \renewcommand{\InTheoType}{#1}%
13735 \if@thmmarks
13736 \stepcounter{curr#1ctr}%
13737 \setcounter{end#1ctr}{0}%
13738 \fi
13739 \refstepcounter{#2}%
13740 \theorem@prework
13741 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
13742 \ifvmode \advance\thm@topsepadd\partopsep\fi
13743 \trivlist
13744 \@topsep \theorempreskipamount
13745 \@topsepadd \thm@topsepadd % used by \@endparenv
13746 \advance\linewidth -\theorem@indent
13747 \advance\@totalleftmargin \theorem@indent
13748 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
13749 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.87 ntheorem-hyper-xetex-bidi.def

```

13750 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper package for xetex]
13751 \gdef\@thm#1#2#3{%
13752 \if@thmmarks
13753 \stepcounter{end\InTheoType ctr}%
13754 \fi
13755 \renewcommand{\InTheoType}{#1}%
13756 \if@thmmarks
13757 \stepcounter{curr#1ctr}%
13758 \setcounter{end#1ctr}{0}%
13759 \fi

```



```

13760 \refstepcounter{#2}%
13761 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
13762 \ifvmode \advance\thm@topsepadd\partopsep\fi
13763 \trivlist
13764 \@topsep \theorempreskipamount
13765 \@topsepadd \thm@topsepadd % used by \@endparenv
13766 \advance\linewidth -\theorem@indent
13767 \advance\@totalleftmargin \theorem@indent
13768 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
13769 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.88 overpic-xetex-bidi.def

```

13770 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for Xe
13771 \renewenvironment{overpic}[2][{}]{%
13772 \sbox{\z@}{\includegraphics[#1]{#2}}%
13773 \settodepth{\@tempcnta}{\usebox{\z@}}%
13774 \settoheight{\@tempcntb}{\usebox{\z@}}%
13775 \advance\@tempcntb\@tempcnta%
13776 \settowidth{\@tempcnta}{\usebox{\z@}}%
13777 \setlength{\@tempdima}{\unitlength}%
13778 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
13779 %
13780 \OVP@calc%
13781 %
13782 \begin{picture}(\@tempcnta,\@tempcntb)%
13783 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
13784 \ifGin@grid%
13785 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
13786 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
13787 \fi\fi%
13788 % reset the graphics parameter
13789 \let\Gin@outer@scalex\relax
13790 \let\Gin@outer@scaley\relax
13791 \let\Gin@angle\relax
13792 \let\Gin@ewidth\Gin@exclamation
13793 \let\Gin@eheight\Gin@ewidth
13794 \def\Gin@scalex{1}
13795 \let\Gin@scaley\Gin@exclamation
13796 }{%
13797 \if@RTL\ifGin@grid%
13798 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
13799 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
13800 \fi%
13801 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
13802 \end{picture}%
13803 }%

```

7.89 pdfpages-xetex-bidi.def

```

13804 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for Xe

```



```

13805 \renewcommand*{\includepdf}[2] [] {%
13806   \begingroup
13807   \@RTLfalse
13808   \let\AM@threadname\relax
13809   \AM@split@options{pdfpages}{#1}%
13810   \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
13811   \expandafter\setkeys\AM@temp
13812   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
13813     \let\AM@currentdocname\relax
13814     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
13815     \def\AM@pagecount{0}%
13816   }{%
13817     \AM@findfile{#2}%
13818     \if\AM@threadname\relax
13819       \def\AM@threadname{\AM@currentdocname}%
13820     \fi
13821   }%
13822   \ifAM@survey
13823     \def\AM@pagestemp{%
13824       \@tempcnta=0
13825       \def\foo{%
13826         \@ifundefined{r\AM@xrprefix pdfpages@page\the\@tempcnta}%
13827         {\let\foo\relax}
13828         {\expandafter\ifx\expandafter\\AM@pagestemp\\
13829           \edef\AM@pagestemp{%
13830             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
13831           \else
13832             \edef\AM@pagestemp{\AM@pagestemp,%
13833               \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
13834           \fi
13835           \advance\@tempcnta 1\relax
13836         }%
13837         \foo
13838       }%
13839       \foo
13840       \expandafter\ifx\expandafter\\AM@pagestemp\\
13841         \def\AM@pagestemp{1}%
13842       \fi
13843     \fi
13844     \ifAM@output
13845       \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
13846       \AM@output{#1}%
13847     \fi
13848     \AM@CheckAtEnd
13849   \endgroup
13850   \AM@ClearShipoutPicture
13851 }

```

7.90 pgfcorescopes.code-xetex-bidi.def



```

13852 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf packa
13853 \def\pgfpicture{%
13854   \begingroup%
13855   \ifmmode\else\@RTLfalse\beginL\fi%
13856   \pgfpicturetrue%
13857   \global\advance\pgf@picture@serial@count by1\relax%
13858   \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
13859   \let\pgf@nodecallback=\pgfutil@gobble%
13860   \pgf@picmaxx=-16000pt\relax%
13861   \pgf@picminx=16000pt\relax%
13862   \pgf@picmaxy=-16000pt\relax%
13863   \pgf@picminy=16000pt\relax%
13864   \pgf@relevantforpicturesizetrue%
13865   \pgf@resetpathsizes%
13866   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
13867 \def\endpgfpicture{%
13868   \ifpgfrememberpicturepositiononpage%
13869     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
13870   \fi%
13871   % ok, now let's position the box
13872   \ifdim\pgf@picmaxx=-16000pt\relax%
13873     % empty picture. make size 0.
13874     \global\pgf@picmaxx=0pt\relax%
13875     \global\pgf@picminx=0pt\relax%
13876     \global\pgf@picmaxy=0pt\relax%
13877     \global\pgf@picminy=0pt\relax%
13878   \fi%
13879   % Shift baseline outside:
13880   \pgf@relevantforpicturesizefalse%
13881   \pgf@process{\pgf@baseline}%
13882   \xdef\pgf@shift@baseline{\the\pgf@y}%
13883   %
13884   \pgf@process{\pgf@trimleft}%
13885   \global\advance\pgf@x by-\pgf@picminx
13886   % prepare \hskip\pgf@trimleft@final.
13887   % note that \pgf@trimleft@final is also queried
13888   % by the pgf image externalization.
13889   \xdef\pgf@trimleft@final{-\the\pgf@x}%
13890   %
13891   \pgf@process{\pgf@trimright}%
13892   \global\advance\pgf@x by-\pgf@picmaxx
13893   % prepare \hskip\pgf@trimright@final.
13894   % note that \pgf@trimright@final is also queried
13895   % by the pgf image externalization.
13896   \xdef\pgf@trimright@final{\the\pgf@x}%
13897   %
13898   \pgf@remember@layerlist@globally
13899   \endgroup%
13900   \hss%
13901   \egroup%

```



```

13902     \pgf@restore@layerlist@from@global
13903     \pgf@insertlayers%
13904     \endgroup%
13905     \pgfsys@discardpath%
13906     \endgroup%
13907     \pgfsys@endscope%
13908     \pgfsys@endpicture%
13909     \endgroup%
13910     \hss
13911 \egroup%
13912 \pgfsys@typesetpicturebox\pgfpic%
13913 \ifmmode\else\endL\fi%
13914 \endgroup%
13915 }

```

7.91 picinpar-xetex-bidi.def

```

13916 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
13917 \long\def\@makewincaption#1#2{%
13918     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
13919     \ifdim\wd\@tempboxa>\picwd
13920         {\footnotesize{\bf #1:\enspace}{#2\par}}
13921     \else
13922         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
13923     \fi}
13924 \def\endwindow{%
13925     \global\tcd=\tcdsav
13926     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
13927     \vbadness=10000
13928     \splittopskip=0pt
13929 %
13930 % Typeset the lines above the window
13931 %
13932 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
13933 \tcn=\tcd
13934 \loop\advance\tcn -1
13935 \setbox\fslice=\vsplit\holder to\baselineskip
13936 \prune\fslice\linewidth
13937 \topheight=0pt
13938 \ifnum\dp\fslice>\dp\wstrutbox
13939     \advance\topheight-\dp\fslice
13940     \advance\topheight\dp\wstrutbox
13941     \advance\topheight\ilg\fi
13942 \hbox to\linewidth{\box\fslice}
13943 \vskip-\topheight
13944 \ifdim\ht\holder>0pt\repeat
13945 \fi
13946 %
13947 % Now we build the boxes beside the window
13948 %

```




```

13949 \global\topheight=\tcl\baselineskip
13950 \ifnum\cumpartcl>0\global\tcl=\cumtcl
13951     \global\topheight=\vpic
13952 \fi
13953 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
13954 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
13955 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
13956 \tcn=\tcl \na=0 \nb=0
13957 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
13958 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
13959 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
13960 \ifnum\na=0\ifnum\nb=0
13961     \setbox\waslice=\vbox to\vpic{\vss}
13962     \setbox\wbslice=\vbox to\vpic{\vss}
13963     \bl=1\br=1
13964     \vskip\ilg
13965 \fi\fi
13966 %
13967 % both sides
13968 %
13969 \ifnum\na>0 \ifnum\nb>0
13970 \loop\advance\nb -1
13971 \advance\na -1
13972 \if@RTL%
13973 \setbox\bslice=\vsplit\holder to\baselineskip
13974 \prune\bslice\rtside
13975 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
13976 to\rtside{\box\bslice\hfil}}
13977 \setbox\aslice=\vsplit\holder to\baselineskip
13978 \prune\aslice\lftside
13979 \setbox\waslice=\vbox{\unvbox\waslice\hbox
13980 to\lftside{\box\aslice\hfil}}
13981 \else%
13982 \setbox\aslice=\vsplit\holder to\baselineskip
13983 \prune\aslice\lftside
13984 \setbox\waslice=\vbox{\unvbox\waslice\hbox
13985 to\lftside{\box\aslice\hfil}}
13986 \setbox\bslice=\vsplit\holder to\baselineskip
13987 \prune\bslice\rtside
13988 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
13989 to\rtside{\box\bslice\hfil}}
13990 \fi%
13991 \ifnum\nb>0\repeat
13992 \fi\fi
13993 %
13994 % only text on the left side
13995 %
13996 \ifnum\na>0
13997     \loop\advance\na -1
13998     \setbox\aslice=\vsplit\holder to\baselineskip

```



```

13999 \prune\aslice\lftside
14000 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14001 to\lftside{\box\aslice\hfil}}
14002 \ifdim\ht\holder>0pt\repeat
14003 \fi
14004 %
14005 % only text on the right side
14006 %
14007 \ifnum\nb>0
14008 \loop\advance\nb -1
14009 \setbox\bslice=\vsplit\holder to\baselineskip
14010 \prune\bslice\rtside
14011 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14012 to\rtside{\box\bslice\hfil}}
14013 \ifdim\ht\holder>0pt\repeat
14014 \fi
14015 %
14016 % fixing the dimensions of the window part
14017 %
14018 \ifnum\bl=0\topheight=\ht\wbslice
14019 \else\ifnum\br=0\topheight=\ht\waslice
14020 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
14021 \else\topheight=\ht\wbslice\fi\fi\fi
14022 %
14023 % ship out the window material to the main vertical list
14024 %
14025 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
14026 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
14027 \fi\fi\fi
14028 \setbox>windowbox=\vbox{\hbox to\linewidth{%
14029 \ifnum\bl>0\box\waslice\hfill\fi%
14030 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
14031 \vfill\unvbox\picbox%
14032 \ifnum\picwd>0\vfill\fi%
14033 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
14034 \unvbox>windowbox%
14035 \loop
14036 \setbox\bslice=\vsplit\rawtext to\baselineskip
14037 \prune\bslice\linewidth
14038 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
14039 \unvbox\wbslice
14040 \ifdim\ht\rawtext>0pt
14041 \repeat
14042 }% FINITO

```

7.92 plain-xetex-bidi.def

```

14043 \def\TeXeTOn{\TeXeTstate=1 }
14044 \def\TeXeTOff{\TeXeTstate=0 }
14045 \TeXeTOn

```



```

14046 \def\usebox#1{\leavevmode\copy #1\relax}
14047 \def\bid@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox
14048   \let\bid@o@everypar=\everypar
14049   \newtoks\bid@n@everypar
14050   \bid@n@everypar\expandafter{\the\bid@o@everypar}
14051   \bid@o@everypar{\bid@RTL@everypar\the\bid@n@everypar}
14052   \let\everypar=\bid@n@everypar
14053 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
14054 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
14055 \protected\def\hboxR{\hbox\bgroup
14056   \everyhbox{%
14057     \aftergroup\egroup
14058     \everyhbox{}}%
14059   \beginR
14060   \bgroup
14061   \aftergroup\endR
14062   \aftergroup\egroup
14063 } \hbox}
14064 \protected\def\hboxL{\hbox\bgroup
14065   \everyhbox{%
14066     \aftergroup\egroup
14067     \everyhbox{}}%
14068   \beginL
14069   \bgroup
14070   \aftergroup\endL
14071   \aftergroup\egroup
14072 } \hbox}
14073 \protected\def\vboxR{\vbox\bgroup
14074   \everyvbox{%
14075     \aftergroup\egroup
14076     \everyvbox{}}%
14077   \@RTLtrue
14078   \bgroup
14079   \aftergroup\egroup
14080 } \vbox}
14081 \protected\def\vboxL{\vbox\bgroup
14082   \everyvbox{%
14083     \aftergroup\egroup
14084     \everyvbox{}}%
14085   \@RTLfalse
14086   \bgroup
14087   \aftergroup\egroup
14088 } \vbox}
14089 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
14090 \def\endLTR{\par}
14091 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
14092 \def\endRTL{\par}
14093 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
14094 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
14095 \let\unsetRTL=\setLTR

```



```

14096 \let\unsetLTR=\setRTL
14097 \let\LR=\LRE
14098 \let\RL=\RLE
14099 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
14100 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
14101 \let\@ensure@RL=\@ensure@RTL
14102 \let\@ensure@LR=\@ensure@LTR
14103 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
14104 \let\@ensure@maindir=\@ensure@dir
14105 \def\@RTL{RTL}
14106 \def\@LTR{LTR}
14107 \def\save@dir{\if@RTL\gdef\save@@dir{RTL}\else\gdef\save@@dir{LTR}\fi}
14108 \def\reset@dir{\ifx\save@@dir\@RTL\setRTL\else\ifx\save@@dir\@LTR\setLTR\else\relax\fi\fi}
14109 \let\@TeX\TeX
14110 \def\TeX{\@ensure@LTR{\@TeX}}
14111 \long\def\@bidi@reflect@box#1{%
14112   \leavevmode
14113   \setbox\z@\hbox{#1}%
14114   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
14115   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
14116 }
14117 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
14118   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
14119 \let\setRL=\setRTL
14120 \let\setLR=\setLTR
14121 \let\unsetRL=\setLTR
14122 \let\@bidi@saved@eqno=\eqno
14123 \let\@bidi@saved@leqno=\leqno
14124 \def\eqno{\ifnum\pdisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
14125 \def\leqno{\ifnum\pdisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
14126 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14127 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14128 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

7.93 pstricks-xetex-bidi.def

```

14129 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package for]
14130 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
14131 \def\endpspicture{%
14132   \ifshowgrid\ifnum\showgridp>0
14133     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
14134     \pst@killglue
14135 % \global\pst@shift=\pst@shift% in fact of the following endgroup
14136 \endgroup
14137 \egroup
14138 \ifdim\wd\pst@hbox=\z@\else
14139   %\@pstrickserr{Extraneous space in the pspicture environment}%
14140   %\Type \space <return> \space to proceed.}%
14141 \fi
14142 \ht\pst@hbox=\pst@dimd

```



```

14143 \dp\pst@hbox=-\pst@dimb
14144 \setbox\pst@hbox=\hbox{%
14145   \kern-\pst@dimb
14146 % Orig version -----
14147 %\ifx\pst@tempa\@empty\else
14148 %\advance\pst@dimd-\pst@dimb
14149 %\pst@dimd=\pst@tempa\pst@dimd
14150 %\advance\pst@dimd\pst@dimb
14151 %\lower\pst@dimd
14152 %\fi
14153 %----- end Orig
14154 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
14155   \advance\pst@dimd-\pst@dimb
14156   \pst@dimd=0.5\pst@dimd
14157   \else\pst@dimd-\pst@shift\fi
14158   \advance\pst@dimd\pst@dimb
14159   \lower\pst@dimd
14160   \box\pst@hbox
14161   \kern\pst@dimc}%
14162 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
14163 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
14164 \fboxsep=0pt
14165 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
14166 \ifmmode\else\endL\fi
14167 \endgroup%
14168 \psset[pstricks]{shift=0}% reset value
14169 }

```

7.94 quotchap-xetex-bidi.def

```

14170 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
14171 \renewcommand{\qauthor}[1]{%
14172   \par\smallskip
14173   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{}\par}\bigskip}
14174 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
14175   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
14176     {\chapnumfont
14177       \ifnum \c@secnumdepth >\m@ne%
14178       \if@mainmatter\thechapter%
14179       \fi\fi
14180       \par\nobreak}%
14181     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10em
14182     \nobreak\chapterheadendvskip}}}
14183 \renewcommand*{\@iprintcites}{%
14184   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
14185   \global\let\@printcites\relax}

```

7.95 ragged2e-xetex-bidi.def

```

14186 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
14187 \renewcommand{\Centering}{%

```



```

14188 \ifx\\@raggedtwoe@savedcr
14189 \let\\@centercr
14190 \fi
14191 \let\@gnewline\@raggedtwoe@gnewline
14192 \if@RTL\rightrightskip\else\leftskip\fi\CenteringLeftskip
14193 \@rightskip\CenteringRightskip
14194 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14195 \parfillskip\CenteringParfillskip
14196 \parindent\CenteringParindent
14197 \@raggedtwoe@spaceskiptrue
14198 \@raggedtwoe@everyselectfont
14199 }
14200 \renewcommand{\RaggedLeft}{%
14201 \ifx\\@raggedtwoe@savedcr
14202 \let\\@centercr
14203 \fi
14204 \let\@gnewline\@raggedtwoe@gnewline
14205 \if@RTL\rightrightskip\else\leftskip\fi\RaggedLeftLeftskip
14206 \@rightskip\RaggedLeftRightskip
14207 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14208 \parfillskip\RaggedLeftParfillskip
14209 \parindent\RaggedLeftParindent
14210 \@raggedtwoe@spaceskiptrue
14211 \@raggedtwoe@everyselectfont
14212 }
14213 \renewcommand{\RaggedRight}{%
14214 \ifx\\@raggedtwoe@savedcr
14215 \let\\@centercr
14216 \fi
14217 \let\@gnewline\@raggedtwoe@gnewline
14218 \if@RTL\rightrightskip\else\leftskip\fi\RaggedRightLeftskip
14219 \@rightskip\RaggedRightRightskip
14220 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14221 \parfillskip\RaggedRightParfillskip
14222 \parindent\RaggedRightParindent
14223 \@raggedtwoe@spaceskiptrue
14224 \@raggedtwoe@everyselectfont
14225 }
14226 \renewcommand{\justifying}{%
14227 \let\\@raggedtwoe@savedcr
14228 \let\@gnewline\@raggedtwoe@saved@gnewline
14229 \if@RTL\rightrightskip\else\leftskip\fi\z@
14230 \@rightskip\z@
14231 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14232 \parfillskip\JustifyingParfillskip
14233 \parindent\JustifyingParindent
14234 \@raggedtwoe@spaceskipfalse
14235 \@raggedtwoe@everyselectfont
14236 }
14237 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{

```



```

14238 \CheckCommand*{\@arrayparboxrestore}{%
14239 \let\if@nobreak\iffalse
14240 \let\if@noskipsec\iffalse
14241 \let\par\@par
14242 \let\-\@dischyph
14243 \let'\@acci\let'\@accii\let\=\@acciii
14244 \parindent\z@ \parskip\z@skip
14245 \everypar{}%
14246 \linewidth\hsize
14247 \@totalleftmargin\z@
14248 \if@RTL\rightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
14249 \parfillskip\@flushglue \lineskip\normallineskip
14250 \baselineskip\normalbaselineskip
14251 \sloppy}%
14252 \renewcommand{\@arrayparboxrestore}{%
14253 \let\if@nobreak\iffalse
14254 \let\if@noskipsec\iffalse
14255 \let\par\@par
14256 \let\-\@dischyph
14257 \let'\@acci\let'\@accii\let\=\@acciii
14258 \parskip\z@skip
14259 \everypar{}%
14260 \linewidth\hsize
14261 \@totalleftmargin\z@
14262 \RaggedRight
14263 \lineskip\normallineskip
14264 \baselineskip\normalbaselineskip
14265 \sloppy}%
14266 \let\@raggedtwoe@raggedrightboxes@opt\relax
14267 }
14268 \let\origin@RaggedLeft=\RaggedLeft
14269 \let\origin@RaggedRight=\RaggedRight
14270 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
14271 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.96 rapport1-xetex-bidi.def

```

14272 \ProvidesFile{rapport1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for rapport1 class for X
14273 \renewenvironment{theindex}{%
14274 \if@twocolumn
14275 \@restonecolfalse
14276 \else
14277 \@restonecoltrue
14278 \fi
14279 \columnseprule \z@
14280 \columnsep 35\p@
14281 \twocolumn[\@makeschapterhead{\indexname}]%
14282 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
14283 \thispagestyle{plain}\parindent\z@
14284 \parskip\z@ \@plus .3\p@\relax

```



```

14285 \let\item\@idxitem
14286 }{%
14287 \if@restonecol\onecolumn\else\clearpage\fi}
14288 \renewcommand*\head@style{%
14289 \interlinepenalty \@M
14290 \hyphenpenalty=\@M \exhyphenpenalty=\@M
14291 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14292 \if@titlepage
14293 \renewenvironment{abstract}{%
14294 \titlepage
14295 \null\vfil
14296 \section*{\SectFont\abstractname}%
14297 \noindent\ignorespaces}
14298 {\par\vfil\null\endtitlepage}
14299 \else
14300 \renewenvironment{abstract}{%
14301 \if@twocolumn
14302 \section*{\abstractname}%
14303 \else
14304 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
14305 \section*{\small\SectFont\abstractname}%
14306 \noindent\ignorespaces
14307 \fi}
14308 {\if@twocolumn\else\par\egroup\fi}
14309 \fi
14310 \renewcommand*\@regtocline[3]{%
14311 \ifnum #1>\c@tocdepth
14312 \else
14313 \vskip\z@\@plus.2\p@
14314 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14315 \if@RTL\rightskip\else\leftskip\fi\unitindent
14316 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14317 \parfillskip\z@
14318 \@tempdima\unitindent
14319 \parindent\z@
14320 \leavevmode
14321 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14322 \hskip 1em \nobreak{\slshape #3}\par
14323 }%
14324 \fi}
14325 \if@oldtoc
14326 \renewcommand*\l@part[2]{%
14327 \ifnum \c@tocdepth >-2\relax
14328 \addpenalty{-\@highpenalty}%
14329 \addvspace{2.25em \@plus\p@}%
14330 \begingroup
14331 \setlength\@tempdima{3em}%
14332 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14333 \parfillskip -\@pnumwidth
14334 {\leavevmode

```




```

14335         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14336         \nobreak
14337         \global\@nobreaktrue
14338         \everypar{\global\@nobreakfalse\everypar{}}%
14339     \endgroup
14340 \fi}
14341 \else
14342     \renewcommand*\l@part{%
14343         \ifnum \c@tocdepth >-2\relax
14344         \addpenalty{-\@highpenalty}%
14345         \addvspace{2.25em \@plus \p@}%
14346         \@regtocline{0}%
14347     \fi}
14348 \fi
14349 \if@oldtoc
14350 \renewcommand*\l@chapter[2]{%
14351     \addpenalty{-\@highpenalty}%
14352     \vskip 1.0em \@plus\p@
14353     \setlength\@tempdima{1.5em}%
14354     \begingroup
14355     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14356     \parfillskip -\@pnumwidth
14357     \leavevmode \bfseries
14358     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14359     \hskip -\if@RTL\rightskip\else\leftskip\fi
14360     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14361     \penalty\@highpenalty
14362 \endgroup}
14363 \else
14364     \renewcommand*\l@chapter{\@regtocline{0}}
14365 \fi
14366 \renewcommand*\left@footnoterule{%
14367     \kern-3\p@
14368     \kern.5\baselineskip
14369     \hrule\@width\unitindent
14370     \kern.4\baselineskip
14371 }
14372 \renewcommand*\right@footnoterule{%
14373     \kern-3\p@
14374     \kern.5\baselineskip
14375     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14376     \kern.4\baselineskip}
14377 \renewenvironment{thebibliography}[1]
14378     {\chapter*\bibname}%
14379     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14380     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14381     \list{\@biblabel{\@arabic\c@enumiv}}%
14382         {\settowidth\labelwidth{\@biblabel{#1}}%
14383         \leftmargin\labelwidth
14384         \advance\leftmargin\labelsep

```



```

14385         \openbib@code
14386         \usecounter{enumiv}%
14387         \let\p@enumiv\@empty
14388         \renewcommand*\theenumiv{\@arabic\c@enumiv}}}%
14389     \sloppy\clubpenalty4000\widowpenalty4000%
14390     \sfcode`.\@m}
14391     {\def\@noitemerr
14392     {\@latex@warning{Empty `thebibliography' environment}}}%
14393     \endlist}
14394 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14395 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14396 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14397 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14398 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14399 \renewcommand*\theequation{%
14400     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14401 \renewcommand*\thefigure{%
14402     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14403 \renewcommand*\thetable{%
14404     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14405 \if@titlepage
14406 \renewcommand*\TitleFont{\rmfamily}
14407 \renewcommand*\maketitle{%
14408     \begin{titlepage}%
14409         \let\footnotesize\small
14410         \let\right@footnoterule\relax
14411         \let\left@footnoterule\relax
14412         \let\textwidth\footnoterule\relax
14413         \let \footnote \thanks
14414         \long\def\@makefnmark##1{\parindent\z@
14415             \def\labelitemi{\textendash}\@revlabeltrue
14416             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14417         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14418         \if@compatibility\setcounter{page}{0}\fi
14419         \null\vfil
14420         \vskip 60\p@
14421         \begin{center}%
14422             \TitleFont
14423             {\LARGE \def\\{\penalty -\@M}
14424             \if@allcaps
14425                 \expandafter\uc@nothanks\@title\thanks\relax
14426             \else
14427                 \@title
14428             \fi\par}%
14429         \vskip 3em%
14430         {\large
14431             \lineskip .75em \parindent\z@
14432             \begin{tabular}[t]{c}%
14433                 \if@allcaps
14434                     \expandafter\uc@author\@author\and\relax

```



```

14435         \else
14436         \@author
14437         \fi
14438     \end{tabular}\par}%
14439     \vskip 1.5em%
14440     {\large
14441     \if@allcaps
14442     \uppercase\expandafter{\@date}%
14443     \else
14444     \@date
14445     \fi\par}%
14446     \end{center}\par
14447     \@thanks
14448     \vfil\null
14449 \end{titlepage}%
14450 \setcounter{footnote}{0}%
14451 \global\let\thanks\relax
14452 \global\let\maketitle\relax
14453 \global\let\@thanks\@empty
14454 \global\let\@author\@empty
14455 \global\let\@title\@empty
14456 \global\let\@date\@empty
14457 \global\let\title\relax
14458 \global\let\author\relax
14459 \global\let\date\relax
14460 \global\let\and\relax
14461 }
14462 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14463 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14464     \futurelet\@tempa\uc@ax}
14465 \def\uc@ax{%
14466     \ifx\@tempa\relax
14467     \else
14468     \\\andname \\\expandafter\uc@authornothanks
14469     \fi}
14470 \def\uc@tx{\ifx\@tempa\relax
14471     \else \expandafter\uc@ty \fi}
14472 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14473 \else
14474 \renewcommand*\maketitle{\par
14475     \begin{group}
14476     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14477     \def\@makefnmark{\rlap{%
14478         \@textsuperscript{\normalfont\@thefnmark}}}%
14479     \long\def\@makefntext{\@xmakefntext{%
14480         \@textsuperscript{\normalfont\@thefnmark}}}%
14481     \if@twocolumn
14482     \ifnum \col@number=\@ne
14483     \@maketitle
14484     \else

```



```

14485         \twocolumn[\@maketitle]%
14486         \fi
14487     \else
14488         \newpage
14489         \global\@topnum\z@
14490         \@maketitle
14491     \fi
14492     \thispagestyle{plain}\@thanks
14493 \endgroup
14494 \setcounter{footnote}{0}%
14495 \global\let\thanks\relax
14496 \global\let\maketitle\relax
14497 \global\let\@maketitle\relax
14498 \global\let\@thanks\@empty
14499 \global\let\@author\@empty
14500 \global\let\@title\@empty
14501 \global\let\@date\@empty
14502 \global\let\title\relax
14503 \global\let\author\relax
14504 \global\let\date\relax
14505 \global\let\and\relax
14506 }
14507 \def\@maketitle{%
14508     \newpage
14509     \null
14510     \vskip 2em%
14511     \begin{center}%
14512         \let \footnote \thanks
14513         {\LARGE \TitleFont \@title \par}%
14514         \vskip 1.5em%
14515         {\large \TitleFont
14516             \lineskip .5em%
14517             \begin{tabular}[t]{c}%
14518                 \@author
14519             \end{tabular}\par}%
14520         \vskip 1em%
14521         {\large \TitleFont \@date}%
14522     \end{center}%
14523     \par
14524     \vskip 1.5em}
14525 \fi

```

7.97 rapport3-xetex-bidi.def

```

14526 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class for X
14527 \renewenvironment{theindex}{%
14528     \if@twocolumn
14529         \@restonecolfalse
14530     \else
14531         \@restonecoltrue

```



```

14532 \fi
14533 \columnseprule \z@
14534 \columnsep 35\p@
14535 \twocolumn[\@makeschapterhead{\indexname}]%
14536 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
14537 \thispagestyle{plain}\parindent\z@
14538 \parskip\z@ \@plus .3\p@\relax
14539 \let\item\@idxitem
14540 }{%
14541 \if@restonecol\onecolumn\else\clearpage\fi}
14542 \if@titlepage
14543 \renewcommand*\TitleFont{\rmfamily}
14544 \renewcommand*\maketitle{%
14545 \begin{titlepage}%
14546 \let\footnotesize\small
14547 \let\right@footnoterule\relax
14548 \let\left@footnoterule\relax
14549 \let\textwidth@footnoterule\relax
14550 \let \footnote \thanks
14551 \let \LTRfootnote \LTRthanks
14552 \let \RTLfootnote \RTLthanks
14553 \long\def\@makefnmark##1{\parindent\z@
14554 \def\labelitemi{\textendash}\@revlabeltrue
14555 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14556 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14557 \if@compatibility\setcounter{page}{0}\fi
14558 \null\vfil
14559 \vskip 60\p@
14560 \begin{center}%
14561 \TitleFont
14562 {\LARGE \def\\{\penalty -\@M}
14563 \if@allcaps
14564 \expandafter\uc@nothanks\@title\thanks\relax
14565 \else
14566 \@title
14567 \fi\par}%
14568 \vskip 3em%
14569 {\large
14570 \lineskip .75em \parindent\z@
14571 \begin{tabular}[t]{c}%
14572 \if@allcaps
14573 \expandafter\uc@authornothanks\@author\and\relax
14574 \else
14575 \@author
14576 \fi
14577 \end{tabular}\par}%
14578 \vskip 1.5em%
14579 {\large
14580 \if@allcaps
14581 \uppercase\expandafter{\@date}%

```



```

14582         \else
14583             \@date
14584         \fi\par}%
14585     \end{center}\par
14586     \@thanks
14587     \vfil\null
14588 \end{titlepage}%
14589 \setcounter{footnote}{0}%
14590 \global\let\thanks\relax
14591 \global\let\LTRthanks\relax
14592 \global\let\RTLthanks\relax
14593 \global\let\maketitle\relax
14594 \global\let\@thanks\@empty
14595 \global\let\@author\@empty
14596 \global\let\@title\@empty
14597 \global\let\@date\@empty
14598 \global\let\title\relax
14599 \global\let\author\relax
14600 \global\let\date\relax
14601 \global\let\and\relax
14602 }
14603 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14604 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14605     \futurelet\@tempa\uc@ax}
14606 \def\uc@ax{%
14607     \ifx\@tempa\relax
14608     \else
14609         \\\andname \\\expandafter\uc@authornothanks
14610     \fi}
14611 \def\uc@tx{\ifx\@tempa\relax
14612     \else \expandafter\uc@ty \fi}
14613 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14614 \else
14615 \renewcommand*\maketitle{\par
14616     \begingroup
14617     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14618     \def\@makefnmark{\rlap{%
14619         \@textsuperscript{\normalfont\@thefnmark}}}%
14620     \long\def\@makefntext{\@xmakefntext{%
14621         \@textsuperscript{\normalfont\@thefnmark}}}%
14622     \if@twocolumn
14623         \ifnum \col@number=\@ne
14624             \@maketitle
14625         \else
14626             \twocolumn[\@maketitle]%
14627         \fi
14628     \else
14629         \newpage
14630         \global\@topnum\z@
14631         \@maketitle

```



```

14632 \fi
14633 \thispagestyle{plain}\@thanks
14634 \endgroup
14635 \setcounter{footnote}{0}%
14636 \global\let\thanks\relax
14637 \global\let\LTRthanks\relax
14638 \global\let\RTLthanks\relax
14639 \global\let\maketitle\relax
14640 \global\let\@maketitle\relax
14641 \global\let\@thanks\@empty
14642 \global\let\@author\@empty
14643 \global\let\@title\@empty
14644 \global\let\@date\@empty
14645 \global\let\title\relax
14646 \global\let\author\relax
14647 \global\let\date\relax
14648 \global\let\and\relax
14649 }
14650 \def\@maketitle{%
14651 \newpage
14652 \null
14653 \vskip 2em%
14654 \if@titlecentered
14655 \begin{center}%
14656 \let \footnote \thanks
14657 \let \LTRfootnote \LTRthanks
14658 \let \RTLfootnote \RTLthanks
14659 {\LARGE \TitleFont \@title \par}%
14660 \vskip 1.5em%
14661 {\large \TitleFont
14662 \lineskip .5em%
14663 \begin{tabular}[t]{c}%
14664 \@author
14665 \end{tabular}\par}%
14666 \vskip 1em%
14667 {\large \TitleFont \@date}%
14668 \end{center}%
14669 \else
14670 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
14671 {\large \TitleFont \lineskip .5em \tabcolsep\z@
14672 \def\and{%% \begin{tabular} has already started
14673 \end{tabular}\hskip 1em plus .17fil
14674 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
14675 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
14676 \vskip 1em {\large \TitleFont \@date}
14677 \fi
14678 \par
14679 \vskip 1.5em}
14680 \fi
14681 \renewcommand*\@regtocline[3]{%

```



```

14682 \ifnum #1>\c@tocdepth
14683 \else
14684 \vskip\z@\@plus.2\p@
14685 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14686 \if@RTL\rightskip\else\leftskip\fi\unitindent
14687 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14688 \parfillskip\z@
14689 \@tempdima\unitindent
14690 \parindent\z@
14691 \leavevmode
14692 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14693 \hskip 1em \nobreak{\slshape #3}\par
14694 }%
14695 \fi}
14696 \if@oldtoc
14697 \renewcommand*\l@part[2]{%
14698 \ifnum \c@tocdepth >-2\relax
14699 \addpenalty{-\@highpenalty}%
14700 \addvspace{2.25em \@plus\p@}%
14701 \begingroup
14702 \setlength\@tempdima{3em}%
14703 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14704 \parfillskip -\@pnumwidth
14705 {\leavevmode
14706 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14707 \nobreak
14708 \global\@nobreaktrue
14709 \everypar{\global\@nobreakfalse\everypar{}}%
14710 \endgroup
14711 \fi}
14712 \else
14713 \renewcommand*\l@part{%
14714 \ifnum \c@tocdepth >-2\relax
14715 \addpenalty{-\@highpenalty}%
14716 \addvspace{2.25em \@plus \p@}%
14717 \@regtocline{0}%
14718 \fi}
14719 \fi
14720 \if@oldtoc
14721 \renewcommand*\l@chapter[2]{%
14722 \addpenalty{-\@highpenalty}%
14723 \vskip 1.0em \@plus\p@
14724 \setlength\@tempdima{1.5em}%
14725 \begingroup
14726 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14727 \parfillskip -\@pnumwidth
14728 \leavevmode \bfseries
14729 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14730 \hskip -\if@RTL\rightskip\else\leftskip\fi
14731 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par

```




```

14732 \penalty\@highpenalty
14733 \endgroup}
14734 \else
14735 \renewcommand*\l@chapter{\@regtocline{0}}
14736 \fi
14737 \renewcommand*\head@style{%
14738 \interlinepenalty \@M
14739 \hyphenpenalty=\@M \exhyphenpenalty=\@M
14740 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14741 \if@titlepage
14742 \renewenvironment{abstract}{%
14743 \titlepage
14744 \null\vfil
14745 \section*{\SectFont\abstractname}%
14746 \noindent\ignorespaces}
14747 {\par\vfil\null\endtitlepage}
14748 \else
14749 \renewenvironment{abstract}{%
14750 \if@twocolumn
14751 \section*{\abstractname}%
14752 \else
14753 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
14754 \section*{\small\SectFont\abstractname}%
14755 \noindent\ignorespaces
14756 \fi}
14757 {\if@twocolumn\else\par\egroup\fi}
14758 \fi
14759 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14760 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14761 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14762 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14763 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14764 \renewcommand*\thefigure{%
14765 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14766 \renewcommand*\thetable{%
14767 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14768 \renewcommand*\theequation{%
14769 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
14770 \renewenvironment{thebibliography}[1]
14771 {\chapter*{\bibname}%
14772 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14773 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14774 \list{\@biblabel{\@arabic\c@enumiv}}%
14775 {\settowidth\labelwidth{\@biblabel{#1}}%
14776 \leftmargin\labelwidth
14777 \advance\leftmargin\labelsep
14778 \@openbib@code
14779 \usecounter{enumiv}%
14780 \let\p@enumiv\empty
14781 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%

```



```

14782 \sloppy\clubpenalty4000\widowpenalty4000%
14783 \sfcode`.\@m}
14784 {\def\@noitemerr
14785 {\@latex@warning{Empty `thebibliography' environment}}}%
14786 \endlist}
14787 \renewcommand*\left@footnoterule{%
14788 \kern-3\p@
14789 \kern.5\baselineskip
14790 \hrule\@width\unitindent
14791 \kern.4\baselineskip
14792 }
14793 \renewcommand*\right@footnoterule{%
14794 \kern-3\p@
14795 \kern.5\baselineskip
14796 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14797 \kern.4\baselineskip}
14798 \renewcommand*\head@style{%
14799 \interlinepenalty \@M
14800 \hyphenpenalty=\@M \exhyphenpenalty=\@M
14801 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

7.98 refrep-xetex-bidi.def

```

14802 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for XeTeX]
14803 \if@titlepage
14804 \renewcommand\maketitle{\begin{titlepage}%
14805 \let\footnotesize\small
14806 \let\right@footnoterule\relax
14807 \let\left@footnoterule\relax
14808 \let\textwidth\footnoterule\relax
14809 \let\footnote\thanks
14810 \let\LTRfootnote\LTRthanks
14811 \let\RTLfootnote\RTLthanks
14812 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
14813 \def\@makefnmark%
14814 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
14815 \long\def\@makefntext##1{%
14816 \setpar{\@par
14817 \@tempdima = \hsize
14818 \advance\@tempdima -1em
14819 \parshape \@ne 1em \@tempdima}%
14820 \par\parindent 1em \noindent
14821 \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
14822 \null\vfil
14823 \vskip 60\p@
14824 \begin{center}%
14825 {\LARGE \@title \par}%
14826 \vskip 3em%
14827 {\large
14828 \lineskip .75em%

```



```

14829      \begin{tabular}[t]{c}%
14830      \@author
14831      \end{tabular}\par}%
14832      \vskip 1.5em%
14833      {\large \@date \par}%          % Set date in \large size.
14834      \end{center}\par
14835      \@thanks
14836      \vfil\null
14837      \end{titlepage}%
14838      \setcounter{footnote}{0}%
14839      \global\let\thanks\relax
14840      \global\let\LTRthanks\relax
14841      \global\let\RTLthanks\relax
14842      \global\let\maketitle\relax
14843      \global\let\@thanks\@empty
14844      \global\let\@author\@empty
14845      \global\let\@date\@empty
14846      \global\let\@title\@empty
14847      \global\let\title\relax
14848      \global\let\author\relax
14849      \global\let\date\relax
14850      \global\let\and\relax
14851      }
14852 \else
14853   \renewcommand\maketitle{\par
14854     \begingroup
14855       \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
14856       \def\@makefnmark%
14857         {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
14858       \long\def\@makefntext##1{%
14859         \setpar{\@par
14860           \@tempdima = \hsize
14861           \advance\@tempdima -1em
14862           \parshape \@ne 1em \@tempdima}%
14863         \par\parindent 1em \noindent
14864         \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
14865       \if@twocolumn
14866         \ifnum \col@number=\@one
14867           \@maketitle
14868         \else
14869           \twocolumn[\@maketitle]%
14870         \fi
14871       \else
14872         \newpage
14873         \global\@topnum\z@  % Prevents figures from going at top of page.
14874         \@maketitle
14875       \fi
14876       \thispagestyle{empty}\@thanks
14877     \endgroup
14878     \setcounter{footnote}{0}%

```



```

14879 \global\let\thanks\relax
14880 \global\let\LTRthanks\relax
14881 \global\let\RTLthanks\relax
14882 \global\let\maketitle\relax
14883 \global\let\@maketitle\relax
14884 \global\let\@thanks\@empty
14885 \global\let\@author\@empty
14886 \global\let\@date\@empty
14887 \global\let\@title\@empty
14888 \global\let\title\relax
14889 \global\let\author\relax
14890 \global\let\date\relax
14891 \global\let\and\relax
14892 }
14893 \def\@maketitle{%
14894 \newpage
14895 \null
14896 \longthickrule\vskip1.5em%
14897 \let \footnote \thanks
14898 \let \LTRfootnote \LTRthanks
14899 \let \RTLfootnote \RTLthanks
14900 {\secshape \parskip\z@ \parindent\z@
14901 \Large\bfseries \@title \par}%
14902 \vskip1.5em\longthickrule\vskip1.5em%
14903 {\normalsize
14904 \lineskip .5em%
14905 \begin{flushright}%
14906 {\slshape\@author\par}
14907 \vskip 1em%
14908 {\@date}%
14909 \end{flushright}\par}%
14910 \vskip 1.5em}
14911 \fi
14912 \renewcommand*\l@part[2]{%
14913 \ifnum \c@tocdepth >-2\relax
14914 \addpenalty{-\@highpenalty}%
14915 \addvspace{2.25em \@plus\p@}%
14916 \begin{group}
14917 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14918 \parfillskip -\@pnumwidth
14919 {\leavevmode
14920 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
14921 \nobreak
14922 \global\@nobraektrue
14923 \everypar{\global\@nobraekfalse\everypar{}}%
14924 \end{group}
14925 \fi}
14926 \renewcommand*\l@chapter[2]{%
14927 \ifnum \c@tocdepth >\m@ne
14928 \addpenalty{-\@highpenalty}%

```



```

14929 \vskip 1.0em \@plus\p@
14930 \setlength\@tempdima{1.5em}%
14931 \beginingroup
14932 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14933 \parfillskip -\@pnumwidth
14934 \leavevmode \bfseries
14935 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14936 \hskip -\if@RTL\rightskip\else\leftskip\fi
14937 #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
14938 \penalty\@highpenalty
14939 \endgroup
14940 \fi}
14941 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
14942 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
14943 \hyphenpenalty=2000}
14944 \renewcommand\left@footnoterule{%
14945 \kern-3\p@
14946 \hrule\@width.4\columnwidth
14947 \kern 2.6\p@}
14948 \renewcommand\right@footnoterule{%
14949 \kern-3\p@
14950 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14951 \kern2.6\p@}
14952 \renewcommand\theequation
14953 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14954 \renewcommand\thefigure
14955 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
14956 \renewcommand\thetable%
14957 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
14958 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
14959 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
14960 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
14961 \renewcommand\theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
14962 \renewcommand\thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
14963 \renewenvironment{thebibliography}[1]
14964 {\chapter*{\bibname
14965 \@mkboth{\bibname}{\bibname}}%
14966 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14967 \list{\@biblabel{\@arabic\c@enumiv}}%
14968 {\settowidth\labelwidth{\@biblabel{#1}}%
14969 \leftmargin\labelwidth
14970 \advance\leftmargin\labelsep
14971 \openbib@code
14972 \usecounter{enumiv}%
14973 \let\p@enumiv\empty
14974 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
14975 \sloppy
14976 \clubpenalty4000
14977 \@clubpenalty \clubpenalty
14978 \widowpenalty4000%

```



```

14979 \sfcode`\.=\@m}
14980 {\def\@noitemerr
14981 {\@latex@warning{Empty `thebibliography' environment}}}%
14982 \endlist}

```

7.99 report-xetex-bidi.def

```

14983 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report class]
14984 \renewenvironment{theindex}
14985     {\if@twocolumn
14986       \@restonecolfalse
14987       \else
14988         \@restonecoltrue
14989       \fi
14990       \columnseprule \z@
14991       \columnsep 35\p@
14992       \twocolumn[\@makeschapterhead{\indexname}]}%
14993     {\mkboth{\MakeUppercase\indexname}%
14994      {\MakeUppercase\indexname}%
14995      \thispagestyle{plain}\parindent\z@
14996      \parskip\z@ \@plus .3\p@\relax
14997      \let\item\idxitem}
14998     {\if@restonecol\onecolumn\else\clearpage\fi}
14999 \if@titlepage
15000 \renewcommand\maketitle{\begin{titlepage}%
15001 \let\footnotesize\small
15002 \let\right@footnoterule\relax
15003 \let\left@footnoterule\relax
15004 \let\textwidth@footnoterule\relax
15005 \let \footnote \thanks
15006 \let \LTRfootnote \LTRthanks
15007 \let \RTLfootnote \RTLthanks
15008 \null\vfil
15009 \vskip 60\p@
15010 \begin{center}%
15011   {\LARGE \@title \par}%
15012   \vskip 3em%
15013   {\large
15014     \lineskip .75em%
15015     \begin{tabular}[t]{c}%
15016       \@author
15017     \end{tabular}\par}%
15018     \vskip 1.5em%
15019     {\large \@date \par}%           % Set date in \large size.
15020 \end{center}\par
15021 \@thanks
15022 \vfil\null
15023 \end{titlepage}%
15024 \setcounter{footnote}{0}%
15025 \global\let\thanks\relax

```



```

15026 \global\let\LTRthanks\relax
15027 \global\let\RTLthanks\relax
15028 \global\let\maketitle\relax
15029 \global\let\@thanks\@empty
15030 \global\let\@author\@empty
15031 \global\let\@date\@empty
15032 \global\let\@title\@empty
15033 \global\let\title\relax
15034 \global\let\author\relax
15035 \global\let\date\relax
15036 \global\let\and\relax
15037 }
15038 \else
15039 \renewcommand\maketitle{\par
15040 \begingroup
15041 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15042 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15043 \long\def\@makefntext##1{\parindent 1em\noindent
15044 \hb@xt@1.8em{%
15045 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15046 \if@twocolumn
15047 \ifnum \col@number=\@ne
15048 \@maketitle
15049 \else
15050 \twocolumn[\@maketitle]%
15051 \fi
15052 \else
15053 \newpage
15054 \global\@topnum\z@ % Prevents figures from going at top of page.
15055 \@maketitle
15056 \fi
15057 \thispagestyle{plain}\@thanks
15058 \endgroup
15059 \setcounter{footnote}{0}%
15060 \global\let\thanks\relax
15061 \global\let\LTRthanks\relax
15062 \global\let\RTLthanks\relax
15063 \global\let\maketitle\relax
15064 \global\let\@maketitle\relax
15065 \global\let\@thanks\@empty
15066 \global\let\@author\@empty
15067 \global\let\@date\@empty
15068 \global\let\@title\@empty
15069 \global\let\title\relax
15070 \global\let\author\relax
15071 \global\let\date\relax
15072 \global\let\and\relax
15073 }
15074 \def\@maketitle{%
15075 \newpage

```



```

15076 \null
15077 \vskip 2em%
15078 \begin{center}%
15079 \let \footnote \thanks
15080 \let \LTRfootnote \LTRthanks
15081 \let \RTLfootnote \RTLthanks
15082 {\LARGE \@title \par}%
15083 \vskip 1.5em%
15084 {\large
15085 \lineskip .5em%
15086 \begin{tabular}[t]{c}%
15087 \@author
15088 \end{tabular}\par}%
15089 \vskip 1em%
15090 {\large \@date}%
15091 \end{center}%
15092 \par
15093 \vskip 1.5em}
15094 \fi
15095 \renewcommand*\l@part[2]{%
15096 \ifnum \c@tocdepth >-2\relax
15097 \addpenalty{-\@highpenalty}%
15098 \addvspace{2.25em \@plus\p@}%
15099 \setlength\@tempdima{3em}%
15100 \begingroup
15101 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15102 \parfillskip -\@pnumwidth
15103 {\leavevmode
15104 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15105 \nobreak
15106 \global\@nobreaktrue
15107 \everypar{\global\@nobreakfalse\everypar{}}%
15108 \endgroup
15109 \fi}
15110 \renewcommand*\l@chapter[2]{%
15111 \ifnum \c@tocdepth >\m@ne
15112 \addpenalty{-\@highpenalty}%
15113 \vskip 1.0em \@plus\p@
15114 \setlength\@tempdima{1.5em}%
15115 \begingroup
15116 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15117 \parfillskip -\@pnumwidth
15118 \leavevmode \bfseries
15119 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15120 \hskip -\if@RTL\rightskip\else\leftskip\fi
15121 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15122 \penalty\@highpenalty
15123 \endgroup
15124 \fi}
15125 \renewcommand\left@footnoterule{%

```




```

15126 \kern-3\p@
15127 \hrule\@width.4\columnwidth
15128 \kern2.6\p@}
15129 \renewcommand\right@footnoterule{%
15130 \kern-3\p@
15131 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15132 \kern2.6\p@}
15133 \renewcommand\theequation
15134 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15135 \renewcommand \thefigure
15136 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15137 \renewcommand \thetable
15138 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15139 \renewcommand \thechapter {\@arabic\c@chapter}
15140 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15141 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15142 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15143 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15144 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15145 \def\@makechapterhead#1{%
15146 \vspace*{50\p@}%
15147 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15148 \ifnum \c@secnumdepth >\m@ne
15149 \huge\bfseries \@chapapp\space \thechapter
15150 \par\nobreak
15151 \vskip 20\p@
15152 \fi
15153 \interlinepenalty\@M
15154 \Huge \bfseries #1\par\nobreak
15155 \vskip 40\p@
15156 }}
15157 \def\@makeschapterhead#1{%
15158 \vspace*{50\p@}%
15159 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15160 \normalfont
15161 \interlinepenalty\@M
15162 \Huge \bfseries #1\par\nobreak
15163 \vskip 40\p@
15164 }}
15165 \renewenvironment{thebibliography}[1]
15166 {\chapter*{\bibname}%
15167 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15168 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15169 \list{\@biblabel{\@arabic\c@enumiv}}%
15170 {\settowidth\labelwidth{\@biblabel{#1}}%
15171 \leftmargin\labelwidth
15172 \advance\leftmargin\labelsep
15173 \@openbib@code
15174 \usecounter{enumiv}%
15175 \let\p@enumiv\@empty

```



```

15176         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15177         \sloppy
15178         \clubpenalty4000
15179         \@clubpenalty \clubpenalty
15180         \widowpenalty4000%
15181         \sfcode`\.\@m}
15182     {\def\@noitemerr
15183      {\@latex@warning{Empty `thebibliography' environment}}}%
15184     \endlist}

```

7.100 rotating-xetex-bidi.def

```

15185 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
15186 \def\end@rotfloat{%
15187   \end{minipage}\end{lrbox}%
15188   \stepcounter{r@tfl@t}%
15189   \rot@label{RF\ther@tfl@t}%
15190   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15191   \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
15192   \rot@mess@toks\expandafter{\@tempa}
15193   \wd\rot@float@box\z@
15194   \ht\rot@float@box\z@
15195   \dp\rot@float@box\z@
15196   \vboxL to \textheight{%
15197     \setkeys{Grot}{units=360}%
15198     \if@rot@twoside
15199     \else
15200       \let\R@@page\rot@LR
15201     \fi
15202     \ifthenelse{\isodd{\R@@page}}{%
15203       \if@rot@twoside
15204         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
15205       \fi
15206       \vfill
15207       @@line{%
15208         \hskip\rotFPtop
15209         \rotatebox{90}{\box\rot@float@box}%
15210         \hskip\rotFPbot
15211       }%
15212     }{%
15213       \if@rot@twoside
15214         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
15215       \fi
15216       @@line{%
15217         \hskip\rotFPbot
15218         \rotatebox{-90}{\box\rot@float@box}%
15219         \hskip\rotFPtop
15220       }%
15221       \vfill
15222     }%

```



```

15223 \rot@message{\the\rot@mess@toks}
15224 }%
15225 \end@float
15226 }
15227 \let\endsidewaysfigure\end@rotfloat
15228 \let\endsidewaysstable\end@rotfloat
15229 \def\end@rotdblfloat{%
15230 \end{minipage}\end{lrbox}%
15231 \stepcounter{r@tfl@t}%
15232 \rot@label{RF\ther@tfl@t}%
15233 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15234 \edef\@tempa{Adding sideways \@captype\space on page \R@@page\space}
15235 \rot@mess@toks\expandafter{\@tempa}
15236 \@tempdima\ht\rot@float@box
15237 \advance\@tempdima by \dp\rot@float@box
15238 \wd\rot@float@box\z@
15239 \ht\rot@float@box\z@
15240 \dp\rot@float@box\z@
15241 \vboxL to \textheight{%
15242 \setkeys{Grot}{units=360}%
15243 \if@rot@twoside
15244 \else
15245 \let\R@@page\rot@LR
15246 \fi
15247 \ifthenelse{\isodd{\R@@page}}{%
15248 \ifrot@messages
15249 \if@rot@twoside
15250 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
15251 \fi
15252 \fi
15253 \vfill
15254 \@@line{%
15255 \hskip\rotFPtop
15256 \rotatebox{90}{\box\rot@float@box}%
15257 \hskip\rotFPbot
15258 }%
15259 }{%
15260 \ifrot@messages
15261 \if@rot@twoside
15262 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
15263 \fi
15264 \fi%
15265 \@@line{%
15266 \hskip\rotFPbot
15267 \rotatebox{-90}{\box\rot@float@box}%
15268 \hskip\rotFPtop
15269 }%
15270 \vfill
15271 }%
15272 \rot@message{\the\rot@mess@toks}%

```



```

15273 }%
15274 \end@dblfloat
15275 }
15276 \def\turn#1{%
15277 \Grot@setangle{#1}%
15278 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15279 \def\endturn{%
15280 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15281 \unskip\color@endbox
15282 \Grot@x\z@
15283 \Grot@y\z@
15284 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15285 }
15286 \def\rotate#1{%
15287 \Grot@setangle{#1}%
15288 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15289 \def\endrotate{%
15290 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15291 \unskip\color@endbox
15292 \Grot@x\z@
15293 \Grot@y\z@
15294 \wd0\z@\dp0\z@\ht0\z@
15295 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15296 }
15297 \def\turnbox#1#2{%
15298 \Grot@setangle{#1}%
15299 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
15300 \Grot@x\z@\Grot@y\z@
15301 \wd0\z@\dp0\z@\ht0\z@
15302 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15303 }
15304 \def\sideways{%
15305 \Grot@setangle{90}%
15306 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15307 \def\endsideways{%
15308 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15309 \unskip\color@endbox
15310 \Grot@x\z@
15311 \Grot@y\z@
15312 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15313 }

```

7.101 scrartcl-xetex-bidi.def

```

15314 \ProvidesFile{scrartcl-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrartcl class for Xe
15315 \newcommand{\scr@saved@LTRfootnotetext}{}
15316 \newcommand{\scr@saved@RTLfootnotetext}{}
15317 \let\scr@saved@footnotetext\@footnotetext
15318 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15319 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext

```



```

15320 \renewcommand{\@footnotetext}[1]{%
15321   \scr@saved@footnotetext{#1}%
15322   \csname FN@mf@prepare\endcsname
15323 }
15324 \renewcommand{\@LTRfootnotetext}[1]{%
15325   \scr@saved@LTRfootnotetext{#1}%
15326   \csname FN@mf@prepare\endcsname
15327 }
15328 \renewcommand{\@RTLfootnotetext}[1]{%
15329   \scr@saved@RTLfootnotetext{#1}%
15330   \csname FN@mf@prepare\endcsname
15331 }
15332 \renewcommand\deffootnote[4][1]{%
15333   \long\def\@makefnmark##1{%
15334     \setlength{\@tempdimc}{#3}%
15335     \def\@tempa{#1}\ifx\@tempa\@empty
15336       \setpar{\@par
15337         \@tempdima = \hsize
15338         \addtolength{\@tempdima}{-#2}%
15339         \if@RTL\parshape \@one Opt \@tempdima\else\parshape \@one #2 \@tempdima\fi}%
15340       \else
15341         \addtolength{\@tempdimc}{#2}%
15342         \addtolength{\@tempdimc}{-#1}%
15343         \setpar{\@par
15344           \@tempdima = \hsize
15345           \addtolength{\@tempdima}{-#1}%
15346           \@tempdimb = \hsize
15347           \addtolength{\@tempdimb}{-#2}%
15348           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15349         }%
15350       \fi
15351       \par
15352       \parindent\@tempdimc\noindent
15353       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15354     }%
15355     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
15356   }
15357 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15358 \renewcommand*\left@footnoterule{%
15359   \normalsize\ftn@rule@test@values
15360   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15361   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15362   {\usekomafont{footnoterule}{%
15363     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15364   \kern 2.6\p@}
15365 \renewcommand*\right@footnoterule{%
15366   \normalsize\ftn@rule@test@values
15367   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15368   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15369   {\usekomafont{footnoterule}{%

```



```

15370 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
15371 \kern 2.6\p@}
15372 \renewcommand*\maketitle[1][1]{%
15373 \if@titlepage
15374 \begin{titlepage}
15375 \setcounter{page}{%
15376 #1%
15377 }%
15378 \let\footnotesize\small
15379 \let\right@footnoterule\relax
15380 \let\left@footnoterule\relax
15381 \let\textwidth@footnoterule\relax
15382 \let\footnote\thanks
15383 \let\LTRfootnote\LTRthanks
15384 \let\RTLfootnote\RTLthanks
15385 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15386 \let\@oldmakefnmark\@makefnmark
15387 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15388 \ifx\@extratitle\@empty \else
15389 \noindent\@extratitle\next@tpage\cleardoubleemptypage
15390 \thispagestyle{empty}%
15391 \fi
15392 \setparsizes{z@}{z@}{z@\@plus 1fil}\par@updaterelative
15393 \ifx\@titlehead\@empty \else
15394 \begin{minipage}[t]{\textwidth}%
15395 \@titlehead
15396 \end{minipage}\par
15397 \fi
15398 \null\vfill
15399 \begin{center}
15400 \ifx\@subject\@empty \else
15401 {\subject@font \@subject \par}%
15402 \vskip 3em
15403 \fi
15404 {\titlefont\huge \@title\par}%
15405 \vskip 1em
15406 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15407 \vskip 2em
15408 {\Large \lineskip 0.75em
15409 \begin{tabular}[t]{c}
15410 \@author
15411 \end{tabular}}\par
15412 }%
15413 \vskip 1.5em
15414 {\Large \@date \par}%
15415 \vskip z@ \@plus3fill
15416 {\Large \@publishers \par}%
15417 \vskip 3em
15418 \end{center}\par
15419 \@thanks

```



```

15420 \vfill\null
15421 \if@twoside\next@tpage
15422 \begin{minipage}[t]{\textwidth}
15423 \@uppertitleback
15424 \end{minipage}\par
15425 \vfill
15426 \begin{minipage}[b]{\textwidth}
15427 \@lowertitleback
15428 \end{minipage}
15429 \fi
15430 \ifx\@dedication\@empty \else
15431 \next@tpage\null\vfill
15432 {\centering \Large \@dedication \par}%
15433 \vskip \z@ \@plus3fill
15434 \if@twoside \next@tpage\cleardoubleemptypage \fi
15435 \fi
15436 \end{titlepage}
15437 \else
15438 \par
15439 \@tempcnta=%
15440 #1%
15441 \relax\ifnum\@tempcnta=1\else
15442 \ClassWarning{KOMAClassName}{%
15443 Optional argument of \string\maketitle\space ignored
15444 at\MessageBreak
15445 notitlepage-mode%
15446 }%
15447 \fi
15448 \begingroup
15449 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15450 \let\@oldmakefnmark\@makefnmark
15451 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
15452 \if@twocolumn
15453 \ifnum \col@number=\@ne
15454 \@maketitle
15455 \else
15456 \twocolumn[\@maketitle]%
15457 \fi
15458 \else
15459 \newpage
15460 \global\@topnum\z@
15461 \@maketitle
15462 \fi
15463 \thispagestyle{\titlepagestyle}\@thanks
15464 \endgroup
15465 \fi
15466 \setcounter{footnote}{0}%
15467 \let\thanks\relax
15468 \let\LTRthanks\relax
15469 \let\RTLthanks\relax

```



```

15470 \let\maketitle\relax
15471 \let\@maketitle\relax
15472 \global\let\@thanks\@empty
15473 \global\let\@author\@empty
15474 \global\let\@date\@empty
15475 \global\let\@title\@empty
15476 \global\let\@subtitle\@empty
15477 \global\let\@extratitle\@empty
15478 \global\let\@titlehead\@empty
15479 \global\let\@subject\@empty
15480 \global\let\@publishers\@empty
15481 \global\let\@uppertitleback\@empty
15482 \global\let\@lowertitleback\@empty
15483 \global\let\@dedication\@empty
15484 \global\let\author\relax
15485 \global\let\title\relax
15486 \global\let\extratitle\relax
15487 \global\let\titlehead\relax
15488 \global\let\subject\relax
15489 \global\let\publishers\relax
15490 \global\let\uppertitleback\relax
15491 \global\let\lowertitleback\relax
15492 \global\let\dedication\relax
15493 \global\let\date\relax
15494 \global\let\and\relax
15495 }%
15496 \renewcommand*{\@maketitle}{%
15497 \clearpage
15498 \let\footnote\thanks
15499 \let\LTRfootnote\LTRthanks
15500 \let\RTLfootnote\RTLthanks
15501 \ifx\@extratitle\@empty \else
15502 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15503 \fi
15504 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15505 \ifx\@titlehead\@empty \else
15506 \begin{minipage}[t]{\textwidth}
15507 \@titlehead
15508 \end{minipage}\par
15509 \fi
15510 \null
15511 \vskip 2em%
15512 \begin{center}%
15513 \ifx\@subject\@empty \else
15514 {\subject@font \@subject \par}
15515 \vskip 1.5em
15516 \fi
15517 {\titlefont\huge \@title \par}%
15518 \vskip .5em
15519 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%

```




```

15520 \vskip 1em
15521 {\Large
15522 \lineskip .5em%
15523 \begin{tabular}[t]{c}
15524 \@author
15525 \end{tabular}\par
15526 }%
15527 \vskip 1em%
15528 {\Large \@date \par}%
15529 \vskip \z@ \@plus 1em
15530 {\Large \@publishers \par}
15531 \ifx\@dedication\empty \else
15532 \vskip 2em
15533 {\Large \@dedication \par}
15534 \fi
15535 \end{center}%
15536 \par
15537 \vskip 2em
15538 }%
15539 \renewcommand*\l@part[2]{%
15540 \ifnum \c@tocdepth >\m@ne\relax
15541 \addpenalty{\@secpenalty}%
15542 \addvspace{2.25em \@plus\p@}%
15543 \setlength{\@tempdima}{2em}%
15544 \if@tocleft
15545 \ifx\toc@l@number\empty\else
15546 \setlength{\@tempdima}{0\toc@l@number}%
15547 \fi
15548 \fi
15549 \begingroup
15550 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15551 \parfillskip -\@pnumwidth
15552 \leavevmode
15553 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15554 \hskip -\if@RTL\rightskip\else\leftskip\fi
15555 {\usekomafont{partentry}{#1\nobreak
15556 \usekomafont{partentrypagenumber}{\hfil\nobreak
15557 \hb@xt@\@pnumwidth{\hss#2}}}\par
15558 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15559 \endgroup
15560 \penalty20010
15561 \else
15562 \if@compatibility
15563 \global\@nobreaktrue
15564 \everypar{\global\@nobreakfalse\everypar{}}%
15565 \else
15566 \penalty\@highpenalty
15567 \fi
15568 \endgroup
15569 \fi

```



```

15570 \fi
15571 }
15572 \renewcommand*\l@section[2]{%
15573 \ifnum \c@tocdepth >\z@
15574 \ifnum \lastpenalty<20009
15575 \addpenalty{\@secpenalty}%
15576 \fi
15577 \addvspace{1.0em \@plus\p@}%
15578 \setlength\@tempdima{1.5em}%
15579 \if@tocleft
15580 \ifx\toc@l@number\@empty\else
15581 \setlength\@tempdima{0\toc@l@number}%
15582 \fi
15583 \fi
15584 \beginngroup
15585 \raggedsectionentry
15586 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15587 \parfillskip -\@pnumwidth
15588 \interlinepenalty\@M
15589 \leavevmode
15590 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
15591 {\usekomafont{sectionentry}{#1\nobreak
15592 \usekomafont{sectionentrypagenumber}{%
15593 \hfill\nobreak
15594 \hb@xt@\@pnumwidth{\hss#2}}}\par
15595 \endgroup
15596 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15597 \penalty20008
15598 \fi
15599 \fi
15600 }
15601 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15602 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
15603 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15604 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
15605 \renewcommand*{\thesubsubsection}{%
15606 \thesubsection\@SepMark\@arabic\c@subsubsection
15607 }
15608 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15609 \renewcommand*{\thesubparagraph}{%
15610 \theparagraph\@SepMark\@arabic\c@subparagraph
15611 }
15612 \renewenvironment{thebibliography}[1]{%
15613 \if@bib@break@
15614 \bib@beginhook
15615 \else
15616 \bib@heading
15617 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15618 \noindent\bibpreamble\par\nobreak
15619 \fi\fi

```



```

15620 \bib@beginhook
15621 \bib@before@hook
15622 \fi
15623 \renewcommand{\BreakBibliography}[1]{%
15624 \@bib@break
15625 \end{thebibliography}%
15626 \begingroup ##1\endgroup
15627 \begin{thebibliography}{#1}
15628 }%
15629 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15630 \list{%
15631 \@biblabel{\@arabic\c@enumiv}%
15632 }{%
15633 \settowidth\labelwidth{\@biblabel{#1}}%
15634 \leftmargin\labelwidth
15635 \advance\leftmargin\labelsep
15636 \@openbib@code
15637 \if@bib@break@
15638 \edef\@tempa{%
15639 \noexpand\usecounter{enumiv}%
15640 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15641 }\@tempa
15642 \no@bib@break
15643 \else
15644 \usecounter{enumiv}%
15645 \fi
15646 \let\p@enumiv\@empty
15647 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15648 }%
15649 \sloppy\clubpenalty4000 \widowpenalty4000
15650 \sfcode`\.=\@m
15651 }{%
15652 \if@bib@break@
15653 \def\@noitemerr{%
15654 \@latex@warning{%
15655 \string\BreakBibliography\space at begin of `thebibliography'
15656 environment\MessageBreak
15657 or following \string\BreakBibliography}%
15658 }%
15659 \else
15660 \def\@noitemerr{%
15661 \@latex@warning{%
15662 Empty `thebibliography' environment or
15663 \string\BreakBibliography\MessageBreak
15664 before end of `thebibliography' environment}%
15665 }%
15666 \fi
15667 \endlist
15668 \if@bib@break@
15669 \else

```



```

15670 \bib@after@hook
15671 \let\bib@before@hook\@empty
15672 \let\bib@after@hook\@empty
15673 \fi
15674 \bib@endhook
15675 }
15676 \renewcommand*\left@footnoterule{%
15677 \kern-3\p@
15678 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15679 \hrule\@width.4\columnwidth
15680 \kern 2.6\p@}
15681 \renewcommand*\right@footnoterule{%
15682 \kern-3\p@
15683 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15684 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15685 \kern2.6\p@}
15686 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
15687 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15688 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15689 \renewcommand\marginline[1]{%
15690 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15691 }
15692 \renewcommand{\@makecaption}[3]{%
15693 \cap@margin
15694 \ifonelinecaptions
15695 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15696 \let\scr@tmp@footnotetext=\@footnotetext
15697 \let\@footnotetext=\@gobble
15698 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15699 \let\@LTRfootnotetext=\@gobble
15700 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15701 \let\@RTLfootnotetext=\@gobble
15702 \sbox\@tempboxa{%
15703 {\capfont{\strut\ignorespaces
15704 #1{\caplabelfont{#2\captionformat}}}%
15705 #3\unskip\strut}}%
15706 }%
15707 \let\@footnotetext=\scr@tmp@footnotetext
15708 \let\scr@tmp@footnotetext=\undefined
15709 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15710 \let\scr@tmp@LTRfootnotetext=\undefined
15711 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15712 \let\scr@tmp@RTLfootnotetext=\undefined
15713 \setcounter{footnote}{\@tempcntb}%
15714 \setcounter{mpfootnote}{\@tempcnta}%
15715 \else
15716 \sbox\@tempboxa{\hspace*{2\cap@width}}%
15717 \fi
15718 \begingroup%
15719 \setlength{\@tempdima}{\cap@width}%

```



```

15720 \ifdim \wd\@tempboxa >\@tempdima
15721 \hb@xt@\hsize{%
15722 \setbox\@tempboxa\vbox{\hsize=\cap@width
15723 \ifdofullc@p
15724 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15725 #1{\caplabelfont{#2\captionformat}}}}}%
15726 {#3\unskip\strut\par}}}%
15727 \else%
15728 \ifdim\cap@indent<\z@
15729 {\capfont{\strut\ignorespaces
15730 #1{\caplabelfont{#2\captionformat\par}}}%
15731 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
15732 \else%
15733 \if@capbreak
15734 {\capfont{\strut\ignorespaces
15735 #1{\caplabelfont{#2\captionformat\par}}}%
15736 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
15737 \else
15738 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
15739 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15740 {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
15741 \fi
15742 \fi
15743 \fi
15744 }%
15745 \setlength{\@tempdima}{\ht\@tempboxa}%
15746 \addtolength{\@tempdima}{\dp\@tempboxa}%
15747 \addtolength{\@tempdima}{-\ht\strutbox}%
15748 \ht\@tempboxa\ht\strutbox
15749 \dp\@tempboxa\@tempdima
15750 \strut\cap@left
15751 \box\@tempboxa
15752 \cap@right\strut
15753 }%
15754 \else
15755 \global \@minipagefalse
15756 \sbox\@tempboxa{%
15757 {\capfont{\scr@smashdp{\strut\ignorespaces
15758 #1{\caplabelfont{#2\captionformat}}}}}%
15759 #3}}%
15760 }%
15761 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
15762 \fi
15763 \endgroup
15764 }
15765 \renewcommand{\@makecaption}[2]{%
15766 \if@captionabove
15767 \vskip\belowcaptionskip
15768 \else
15769 \vskip\abovecaptionskip

```



```

15770 \fi
15771 \@@makecaption\@firstofone{#1}{#2}%
15772 \if@captionabove
15773 \vskip\abovecaptionskip
15774 \else
15775 \vskip\belowcaptionskip
15776 \fi
15777 }
15778 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15779 \@@ifpackageloaded{caption2}{\@komalongtablefalse
15780 \scr@caption@before@longtable@warning{caption2}%
15781 }{}%
15782 \if@komalongtable
15783 \renewcommand{\LT@makecaption}[3]{%
15784 \noalign{%
15785 \if@captionabove
15786 \vskip\belowcaptionskip
15787 \else
15788 \vskip\abovecaptionskip
15789 \fi
15790 }%
15791 \LT@mcol\LT@cols c{%
15792 \hbox to\z@{\hss\parbox[t]{linewidth{%
15793 \@@makecaption{#1}{#2}{#3}%
15794 \endgraf
15795 \if@captionabove
15796 \vskip\abovecaptionskip
15797 \else
15798 \vskip\belowcaptionskip
15799 \fi
15800 }%
15801 \hss
15802 }%
15803 }%
15804 }%
15805 \renewcommand*{\scr@LT@array}{}%
15806 \let\scr@LT@array=\LT@array
15807 \renewcommand*{\LT@array}{%
15808 \let\scr@caption=\LT@caption
15809 \def\captionabove{\noalign{\global\@captionabovetrue}%
15810 \scr@caption}%
15811 \def\captionbelow{\noalign{\global\@captionabovetrue}%
15812 \scr@caption}%
15813 \if@tablecaptionabove
15814 \let\LT@caption=\captionabove
15815 \else
15816 \let\LT@caption=\captionbelow
15817 \fi
15818 \scr@LT@array
15819 }%

```



```

15820 \ClassInfo{\KOMAClassName}{%
15821     longtable captions redefined%
15822 }%
15823 \fi
15824 }

```

7.102 scrbook-xetex-bidi.def

```

15825 \ProvidesFile{scrbook-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrbook class for XeT
15826 \newcommand{\scr@saved@LTRfootnotetext}{}
15827 \newcommand{\scr@saved@RTLfootnotetext}{}
15828 \let\scr@saved@footnotetext\@footnotetext
15829 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15830 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15831 \renewcommand{\@footnotetext}[1]{%
15832     \scr@saved@footnotetext{#1}%
15833     \csname FN@mfb@prepare\endcsname
15834 }
15835 \renewcommand{\@LTRfootnotetext}[1]{%
15836     \scr@saved@LTRfootnotetext{#1}%
15837     \csname FN@mfb@prepare\endcsname
15838 }
15839 \renewcommand{\@RTLfootnotetext}[1]{%
15840     \scr@saved@RTLfootnotetext{#1}%
15841     \csname FN@mfb@prepare\endcsname
15842 }
15843 \renewcommand\deffootnote[4][ ]{%
15844     \long\def\@makefnmark##1{%
15845         \setlength{\@tempdimc}{#3}%
15846         \def\@tempa{#1}\ifx\@tempa\@empty
15847             \setpar{\@par
15848                 \@tempdima = \hsize
15849                 \addtolength{\@tempdima}{-#2}%
15850                 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15851             \else
15852                 \addtolength{\@tempdimc}{#2}%
15853                 \addtolength{\@tempdimc}{-#1}%
15854                 \setpar{\@par
15855                     \@tempdima = \hsize
15856                     \addtolength{\@tempdima}{-#1}%
15857                     \@tempdimb = \hsize
15858                     \addtolength{\@tempdimb}{-#2}%
15859                     \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15860                 }%
15861             \fi
15862             \par
15863             \parindent\@tempdimc\noindent
15864             \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15865         }%
15866         \def\@makefnmark{\hbox{\ftnm@font{#4}}}%

```



```

15867 }
15868 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15869 \renewcommand*\left@footnoterule{%
15870   \normalsize\ftn@rule@test@values
15871   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
15872   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15873   {\usekomafont{footnoterule}{%
15874     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}}%
15875   \kern 2.6\p@}
15876 \renewcommand*\right@footnoterule{%
15877   \normalsize\ftn@rule@test@values
15878   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
15879   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15880   {\usekomafont{footnoterule}{%
15881     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
15882     \kern 2.6\p@}
15883 \renewcommand*\maketitle[1][1]{%
15884   \if@titlepage
15885     \begin{titlepage}
15886       \setcounter{page}{%
15887         #1%
15888       }%
15889       \let\footnotesize\small
15890       \let\right@footnoterule\relax
15891       \let\left@footnoterule\relax
15892       \let\textwidth@footnoterule\relax
15893       \let\footnote\thanks
15894       \let\LTRfootnote\LTRthanks
15895       \let\RTLfootnote\RTLthanks
15896       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15897       \let\@oldmakefnmark\@makefnmark
15898       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15899       \ifx\@extratitle\@empty \else
15900         \noindent\@extratitle\next@tpage\cleardoubleemptypage
15901         \thispagestyle{empty}%
15902       \fi
15903       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15904       \ifx\@titlehead\@empty \else
15905         \begin{minipage}[t]{\textwidth}%
15906           \@titlehead
15907         \end{minipage}\par
15908       \fi
15909       \null\vfill
15910       \begin{center}
15911         \ifx\@subject\@empty \else
15912           {\subject@font \@subject \par}%
15913         \vskip 3em
15914       \fi
15915       {\titlefont\huge \@title\par}%
15916       \vskip 1em

```




```

15917 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15918 \vskip 2em
15919 {\Large \lineskip 0.75em
15920 \begin{tabular}[t]{c}
15921 \@author
15922 \end{tabular}\par
15923 }%
15924 \vskip 1.5em
15925 {\Large \@date \par}%
15926 \vskip \z@ \@plus3fill
15927 {\Large \@publishers \par}%
15928 \vskip 3em
15929 \end{center}\par
15930 \@thanks
15931 \vfill\null
15932 \if@twoside\next@tpage
15933 \begin{minipage}[t]{\textwidth}
15934 \@uppertitleback
15935 \end{minipage}\par
15936 \vfill
15937 \begin{minipage}[b]{\textwidth}
15938 \@lowertitleback
15939 \end{minipage}
15940 \fi
15941 \ifx\@dedication\@empty \else
15942 \next@tpage\null\vfill
15943 {\centering \Large \@dedication \par}%
15944 \vskip \z@ \@plus3fill
15945 \if@twoside \next@tpage\cleardoubleemptypage \fi
15946 \fi
15947 \end{titlepage}
15948 \else
15949 \par
15950 \@tempcnta=%
15951 #1%
15952 \relax\ifnum\@tempcnta=1\else
15953 \ClassWarning{KOMAClassName}{%
15954 Optional argument of \string\maketitle\space ignored
15955 at\MessageBreak
15956 notitlepage-mode%
15957 }%
15958 \fi
15959 \begingroup
15960 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15961 \let\@oldmakefnmark\@makefnmark
15962 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
15963 \if@twocolumn
15964 \ifnum \col@number=\@ne
15965 \maketitle
15966 \else

```



```

15967         \twocolumn[\@maketitle]%
15968     \fi
15969     \else
15970         \newpage
15971         \global\@topnum\z@
15972         \@maketitle
15973     \fi
15974     \thispagestyle{\titlepagestyle}\@thanks
15975 \endgroup
15976 \fi
15977 \setcounter{footnote}{0}%
15978 \let\thanks\relax
15979 \let\LTRthanks\relax
15980 \let\RTLthanks\relax
15981 \let\maketitle\relax
15982 \let\@maketitle\relax
15983 \global\let\@thanks\@empty
15984 \global\let\@author\@empty
15985 \global\let\@date\@empty
15986 \global\let\@title\@empty
15987 \global\let\@subtitle\@empty
15988 \global\let\@extratitle\@empty
15989 \global\let\@titlehead\@empty
15990 \global\let\@subject\@empty
15991 \global\let\@publishers\@empty
15992 \global\let\@uppertitleback\@empty
15993 \global\let\@lowertitleback\@empty
15994 \global\let\@dedication\@empty
15995 \global\let\author\relax
15996 \global\let\title\relax
15997 \global\let\extratitle\relax
15998 \global\let\titlehead\relax
15999 \global\let\subject\relax
16000 \global\let\publishers\relax
16001 \global\let\uppertitleback\relax
16002 \global\let\lowertitleback\relax
16003 \global\let\dedication\relax
16004 \global\let\date\relax
16005 \global\let\and\relax
16006 }%
16007 \renewcommand*{\@maketitle}{%
16008     \clearpage
16009     \let\footnote\thanks
16010     \let\LTRfootnote\LTRthanks
16011     \let\RTLfootnote\RTLthanks
16012     \ifx\@extratitle\@empty \else
16013         \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16014     \fi
16015     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16016     \ifx\@titlehead\@empty \else

```



```

16017 \begin{minipage}[t]{\textwidth}
16018 \@titlehead
16019 \end{minipage}\par
16020 \fi
16021 \null
16022 \vskip 2em%
16023 \begin{center}%
16024 \ifx\@subject\@empty \else
16025 {\subject@font \@subject \par}
16026 \vskip 1.5em
16027 \fi
16028 {\titlefont\huge \@title \par}%
16029 \vskip .5em
16030 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16031 \vskip 1em
16032 {\Large
16033 \lineskip .5em%
16034 \begin{tabular}[t]{c}
16035 \@author
16036 \end{tabular}\par
16037 }%
16038 \vskip 1em%
16039 {\Large \@date \par}%
16040 \vskip \z@ \@plus 1em
16041 {\Large \@publishers \par}
16042 \ifx\@dedication\@empty \else
16043 \vskip 2em
16044 {\Large \@dedication \par}
16045 \fi
16046 \end{center}%
16047 \par
16048 \vskip 2em
16049 }%
16050 \renewcommand*\l@part[2]{%
16051 \ifnum \c@tocdepth >-2\relax
16052 \addpenalty{-\@highpenalty}%
16053 \addvspace{2.25em \@plus\p@}%
16054 \setlength{\@tempdima}{2em}%
16055 \if@tocleft
16056 \ifx\toc@l@number\@empty\else
16057 \setlength{\@tempdima}{0\toc@l@number}%
16058 \fi
16059 \fi
16060 \begingroup
16061 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16062 \parfillskip -\@pnumwidth
16063 \leavevmode
16064 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16065 \hskip -\if@RTL\rightskip\else\leftskip\fi
16066 {\usekomafont{partentry}{#1\nobreak

```



```

16067         \usekomafont{partentrypagenumber}{\hfil\nobreak
16068             \hb@xt@{\pnumwidth{\hss#2}}}{\par
16069             \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16070             \endgroup
16071             \penalty20010
16072             \else
16073                 \penalty\@highpenalty
16074             \endgroup
16075         \fi
16076     \fi
16077 } \renewcommand*{\l@part[2]{%
16078     \ifnum \c@tocdepth >-2\relax
16079         \addpenalty{-\@highpenalty}%
16080         \advspace{2.25em \@plus\p@}%
16081         \setlength{\@tempdima}{2em}%
16082         \if@tocleft
16083             \ifx\toc@l@number\@empty\else
16084                 \setlength{\@tempdima}{0\toc@l@number}%
16085             \fi
16086         \fi
16087         \begingroup
16088             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \pnumwidth
16089             \parfillskip -\pnumwidth
16090             \leavevmode
16091             \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16092             \hskip -\if@RTL\rightskip\else\leftskip\fi
16093             {\usekomafont{partentry}{#1\nobreak
16094                 \usekomafont{partentrypagenumber}{\hfil\nobreak
16095                     \hb@xt@{\pnumwidth{\hss#2}}}{\par
16096                     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16097                     \endgroup
16098                     \penalty20010
16099                     \else
16100                         \penalty\@highpenalty
16101                     \endgroup
16102                 \fi
16103             \fi
16104         }
16105     \renewcommand*{\l@chapter[2]{%
16106         \ifnum \c@tocdepth >\m@ne
16107             \ifnum \lastpenalty<20010
16108                 \addpenalty{-\@highpenalty}%
16109             \fi
16110             \vskip 1.0em \@plus\p@
16111             \setlength{\@tempdima}{1.5em}%
16112             \if@tocleft
16113                 \ifx\toc@l@number\@empty\else
16114                     \setlength{\@tempdima}{0\toc@l@number}%
16115                 \fi
16116             \fi

```



```

16117 \begingroup
16118   \raggedchapterentry
16119   \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16120   \parfillskip -\@pnumwidth
16121   \interlinepenalty\@M
16122   \leavevmode
16123   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
16124   {\usekomafont{chapterentry}{#1\nobreak
16125     \usekomafont{chapterentrypagenumber}{%
16126       \hfill\nobreak
16127       \hb@xt@{\@pnumwidth{\hss#2}}}\par
16128     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16129     \endgroup
16130     \penalty20009
16131     \else
16132       \penalty\@highpenalty
16133     \endgroup
16134   \fi
16135 \fi
16136 }
16137 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16138 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16139 \renewcommand*\thesection{%
16140   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16141   \if@mainmatter\thechapter\@SepMark\fi
16142   \else
16143   \thechapter\@SepMark%
16144   \fi
16145   \@arabic\c@section
16146 }
16147 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
16148 \renewcommand*{\thesubsubsection}{%
16149   \thesubsection\@SepMark\@arabic\c@subsubsection
16150 }
16151 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16152 \renewcommand*{\thesubparagraph}{%
16153   \theparagraph\@SepMark\@arabic\c@subparagraph
16154 }
16155 \renewcommand*\thefigure{%
16156   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16157   \if@mainmatter\thechapter\@SepMark\fi
16158   \else
16159   \thechapter\@SepMark%
16160   \fi
16161   \@arabic\c@figure
16162 }
16163 \renewcommand*\thetable{%
16164   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16165   \if@mainmatter\thechapter\@SepMark\fi
16166   \else

```



```

16167 \thechapter\@SepMark%
16168 \fi
16169 \@arabic\c@table
16170 }
16171 \renewcommand*\theequation{%
16172 \ifnum \scr@compatibility>\@nameuse{scr@v02.97d}\relax
16173 \if@mainmatter\thechapter\@SepMark\fi
16174 \else
16175 \thechapter\@SepMark%
16176 \fi
16177 \@arabic\c@equation
16178 }
16179 \renewenvironment{thebibliography}[1]{%
16180 \if@bib@break@
16181 \bib@beginhook
16182 \else
16183 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16184 \setchapterpreamble{\bibpreamble}%
16185 \fi\fi
16186 \bib@heading
16187 \bib@beginhook
16188 \bib@before@hook
16189 \fi
16190 \renewcommand{\BreakBibliography}[1]{%
16191 \@bib@break
16192 \end{thebibliography}%
16193 \begingroup ##1\endgroup
16194 \begin{thebibliography}{#1}
16195 }%
16196 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16197 \list{%
16198 \@biblabel{\@arabic\c@enumiv}%
16199 }{%
16200 \settowidth\labelwidth{\@biblabel{#1}}%
16201 \leftmargin\labelwidth
16202 \advance\leftmargin\labelsep
16203 \@openbib@code
16204 \if@bib@break@
16205 \edef\@tempa{%
16206 \noexpand\usecounter{enumiv}%
16207 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16208 }\@tempa
16209 \no@bib@break
16210 \else
16211 \usecounter{enumiv}%
16212 \fi
16213 \let\p@enumiv\@empty
16214 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16215 }%
16216 \sloppy\clubpenalty4000 \widowpenalty4000

```



```

16217 \sfcode`\.=\@m
16218 }{%
16219 \if@bib@break@
16220 \def\@noitemerr{%
16221 \@latex@warning{%
16222 \string\BreakBibliography\space at begin of `thebibliography'
16223 environment\MessageBreak
16224 or following \string\BreakBibliography}%
16225 }%
16226 \else
16227 \def\@noitemerr{%
16228 \@latex@warning{%
16229 Empty `thebibliography' environment or
16230 \string\BreakBibliography\MessageBreak
16231 before end of `thebibliography' environment}%
16232 }%
16233 \fi
16234 \endlist
16235 \if@bib@break@
16236 \else
16237 \bib@after@hook
16238 \let\bib@before@hook\@empty
16239 \let\bib@after@hook\@empty
16240 \fi
16241 \bib@endhook
16242 }
16243 \renewcommand*\left@footnoterule{%
16244 \kern-3\p@
16245 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16246 \hrule\@width.4\columnwidth
16247 \kern 2.6\p@}
16248 \renewcommand*\right@footnoterule{%
16249 \kern-3\p@
16250 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16251 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16252 \kern2.6\p@}
16253 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
16254 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
16255 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
16256 \renewcommand\marginline[1]{%
16257 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16258 }
16259 \renewcommand{\@makecaption}[3]{%
16260 \cap@margin
16261 \ifonelinecaptions
16262 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16263 \let\scr@tmp@footnotetext=\@footnotetext
16264 \let\@footnotetext=\@gobble
16265 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16266 \let\@LTRfootnotetext=\@gobble

```



```

16267 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16268 \let\@RTLfootnotetext=\@gobble
16269 \sbox\@tempboxa{%
16270   {\capfont{\strut\ignorespaces
16271     #1{\caplabelfont{#2\captionformat}}}%
16272     #3\unskip\strut}}%
16273 }%
16274 \let\@footnotetext=\scr@tmp@footnotetext
16275 \let\scr@tmp@footnotetext=\undefined
16276 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16277 \let\scr@tmp@LTRfootnotetext=\undefined
16278 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16279 \let\scr@tmp@RTLfootnotetext=\undefined
16280 \setcounter{footnote}{\@tempcntb}%
16281 \setcounter{mpfootnote}{\@tempcnta}%
16282 \else
16283   \sbox\@tempboxa{\hspace*{2\cap@width}}%
16284 \fi
16285 \begingroup%
16286   \setlength{\@tempdima}{\cap@width}%
16287   \ifdim \wd\@tempboxa >\@tempdima
16288     \hb@xt@\hsize{%
16289       \setbox\@tempboxa\vbox{\hsize=\cap@width
16290         \ifdofullcap
16291           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16292             #1{\caplabelfont{#2\captionformat}}}}}%
16293             #3\unskip\strut\par}}}%
16294         \else%
16295           \ifdim\cap@indent<\z@
16296             {\capfont{\strut\ignorespaces
16297               #1{\caplabelfont{#2\captionformat\par}}}%
16298               \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
16299             \else%
16300               \if@capbreak
16301                 {\capfont{\strut\ignorespaces
16302                   #1{\caplabelfont{#2\captionformat\par}}}%
16303                   \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
16304                 \else
16305                   {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16306                     {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16307                       {\caplabelfont{#2\captionformat}}}}\#3\unskip\strut\par}}}%
16308                   \fi
16309                 \fi
16310             \fi
16311           }%
16312           \setlength{\@tempdima}{\ht\@tempboxa}%
16313           \addtolength{\@tempdima}{\dp\@tempboxa}%
16314           \addtolength{\@tempdima}{-\ht\strutbox}%
16315           \ht\@tempboxa\ht\strutbox
16316           \dp\@tempboxa\@tempdima

```




```

16317         \strut\cap@left
16318         \box\@tempboxa
16319         \cap@right\strut
16320     }%
16321 \else
16322     \global \@minipagefalse
16323     \sbox\@tempboxa{%
16324         {\capfont{\scr@smashdp{\strut\ignorespaces
16325             #1{\caplabelfont{#2\captionformat}}}}}%
16326         #3}}%
16327     }%
16328     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
16329     \fi
16330 \endgroup
16331 }
16332 \renewcommand{\@makecaption}[2]{%
16333     \if@captionabove
16334         \vskip\belowcaptionskip
16335     \else
16336         \vskip\abovecaptionskip
16337     \fi
16338     \@makecaption\@firstofone{#1}{#2}%
16339     \if@captionabove
16340         \vskip\abovecaptionskip
16341     \else
16342         \vskip\belowcaptionskip
16343     \fi
16344 }
16345 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16346     \@ifpackageloaded{caption2}{\@komalongtablefalse
16347         \scr@caption@before@longtable@warning{caption2}%
16348     }{}%
16349     \if@komalongtable
16350         \renewcommand{\LT@makecaption}[3]{%
16351             \noalign{%
16352                 \if@captionabove
16353                     \vskip\belowcaptionskip
16354                 \else
16355                     \vskip\abovecaptionskip
16356                 \fi
16357             }%
16358             \LT@mc\LT@cols c{%
16359                 \hbox to\z@{\hss\parbox[t]{linewidth{%
16360                     \@makecaption{#1}{#2}{#3}%
16361                 }\endgraf
16362                 \if@captionabove
16363                     \vskip\abovecaptionskip
16364                 \else
16365                     \vskip\belowcaptionskip
16366                 \fi

```



```

16367         }%
16368         \hss
16369     }%
16370 }%
16371 }%
16372 \renewcommand*{\scr@LT@array}{}%
16373 \let\scr@LT@array=LT@array
16374 \renewcommand*{\LT@array}{%
16375     \let\scr@caption=LT@caption
16376     \def\captionabove{\noalign{\global\@captionabovetrue}%
16377         \scr@caption}%
16378     \def\captionbelow{\noalign{\global\@captionabovefalse}%
16379         \scr@caption}%
16380     \if@tablecaptionabove
16381         \let\LT@caption=\captionabove
16382     \else
16383         \let\LT@caption=\captionbelow
16384     \fi
16385     \scr@LT@array
16386 }%
16387 \ClassInfo{\KOMAClassName}{%
16388     longtable captions redefined%
16389 }%
16390 \fi
16391 }

```

7.103 scrlettr-xetex-bidi.def

```

16392 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for X
16393 \renewcommand\deffootnote[4] []{%
16394     \long\def\@makefnmark##1{%
16395         \edef\@tempa{#1}\ifx\@tempa\@empty
16396             \setpar{\@par
16397                 \@tempdima = \hsize
16398                 \addtolength{\@tempdima}{-#2}
16399                 \if@RTL\parshape \@one Opt \@tempdima\else\parshape \@one #2 \@tempdima\fi}%
16400             \else
16401                 \setpar{\@par
16402                     \@tempdima = \hsize
16403                     \addtolength{\@tempdima}{-#1}
16404                     \@tempdimb = \hsize
16405                     \addtolength{\@tempdimb}{-#2}
16406                     \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16407                 \fi
16408                 \par
16409                 \parindent #3\noindent
16410                 \hbox to \z@{\hss\@makefnmark}##1}
16411             \def\@makefnmark{\hbox{#4}}
16412         }
16413 \deffootnote[1em]{1.5em}{1em}

```



```

16414 {\textsuperscript{\thefootnotemark}}
16415 \def\left@footnoterule{\kern-1\p@
16416 \hrule width 0.4\columnwidth
16417 \kern .6\p@}
16418 \def\right@footnoterule{%
16419 \kern-1\p@
16420 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16421 \kern .6\p@}
16422 \def\@datefield{\@reffalse
16423 \ifx\varyourref\@empty \else \@reftrue \fi
16424 \ifx\varyourmail\@empty \else \@reftrue \fi
16425 \ifx\varmyref\@empty \else \@reftrue \fi
16426 \ifx\varcustomer\@empty \else \@reftrue \fi
16427 \ifx\varinvoice\@empty \else \@reftrue \fi
16428 \ifx\varrefitemi\@empty \else \@reftrue \fi
16429 \ifx\varrefitemii\@empty \else \@reftrue \fi
16430 \ifx\varrefitemiii\@empty \else \@reftrue \fi
16431 \vskip -\parskip
16432 \vskip \refvskip
16433 \if@ref
16434 \ifx\varyourref\@empty \else
16435 \settowidth{\sc@temp}{\varyourref}
16436 \setbox0\hbox{\scriptsize \sf \yourrefname}
16437 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16438 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
16439 \fi
16440 \ifx\varyourmail\@empty \else
16441 \settowidth{\sc@temp}{\varyourmail}
16442 \setbox0\hbox{\scriptsize \sf \yourmailname}
16443 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16444 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
16445 \fi
16446 \ifx\varmyref\@empty \else
16447 \settowidth{\sc@temp}{\varmyref}
16448 \setbox0\hbox{\scriptsize \sf \myrefname}
16449 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16450 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
16451 \fi
16452 \ifx\varcustomer\@empty \else
16453 \settowidth{\sc@temp}{\varcustomer}
16454 \setbox0\hbox{\scriptsize \sf \customername}
16455 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16456 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
16457 \fi
16458 \ifx\varinvoice\@empty \else
16459 \settowidth{\sc@temp}{\varinvoice}
16460 \setbox0\hbox{\scriptsize \sf \invoicename}
16461 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16462 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
16463 \fi

```



```

16464 \ifx\varrefitemi\@empty \else
16465 \settowidth{\sc@temp}{\varrefitemi}
16466 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
16467 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16468 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
16469 \fi
16470 \ifx\varrefitemii\@empty \else
16471 \settowidth{\sc@temp}{\varrefitemii}
16472 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
16473 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16474 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
16475 \fi
16476 \ifx\varrefitemiii\@empty \else
16477 \settowidth{\sc@temp}{\varrefitemiii}
16478 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
16479 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16480 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
16481 \fi
16482 \ifx\@date\@empty \else
16483 \settowidth{\sc@temp}{\@date}
16484 \setbox0\hbox{\scriptsize \sf \datename}
16485 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16486 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
16487 \fi
16488 \par
16489 \vspace{2.5\baselineskip}
16490 \else
16491 {\ifx\@date\@empty \else \ifRTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
16492 \vspace{1.5\baselineskip}
16493 \fi}
16494 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
16495 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
16496 -\sigindent \hspace{\sigindent}%
16497 \parbox{\sc@temp}{\ifRTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@ski
16498 \fromsig\strut}\par
16499 \vspace{1.5\baselineskip}}

```

7.104 scrreprt-xetex-bidi.def

```

16500 \ProvidesFile{scrreprt-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrreprt class for X
16501 \newcommand{\scr@saved@LTRfootnotetext}{}
16502 \newcommand{\scr@saved@RTLfootnotetext}{}
16503 \let\scr@saved@footnotetext\@footnotetext
16504 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16505 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16506 \renewcommand{\@footnotetext}[1]{%
16507 \scr@saved@footnotetext{#1}%
16508 \csname FN@mfb@prepare\endcsname
16509 }
16510 \renewcommand{\@LTRfootnotetext}[1]{%

```



```

16511 \scr@saved@LTRfootnotetext{#1}%
16512 \csname FN@mf@prepare\endcsname
16513 }
16514 \renewcommand{\@RTLfootnotetext}[1]{%
16515 \scr@saved@RTLfootnotetext{#1}%
16516 \csname FN@mf@prepare\endcsname
16517 }
16518 \renewcommand\deffootnote[4][1]{%
16519 \long\def\@makefnmark##1{%
16520 \setlength{\@tempdimc}{#3}%
16521 \def\@tempa{#1}\ifx\@tempa\@empty
16522 \setpar{\@par
16523 \@tempdima = \hsize
16524 \addtolength{\@tempdima}{-#2}%
16525 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16526 \else
16527 \addtolength{\@tempdimc}{#2}%
16528 \addtolength{\@tempdimc}{-#1}%
16529 \setpar{\@par
16530 \@tempdima = \hsize
16531 \addtolength{\@tempdima}{-#1}%
16532 \@tempdimb = \hsize
16533 \addtolength{\@tempdimb}{-#2}%
16534 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16535 }%
16536 \fi
16537 \par
16538 \parindent\@tempdimc\noindent
16539 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16540 }%
16541 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16542 }
16543 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16544 \renewcommand*\left@footnoterule{%
16545 \normalsize\ftn@rule@test@values
16546 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16547 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16548 {\usekomafont{footnoterule}{%
16549 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16550 \kern 2.6\p@}
16551 \renewcommand*\right@footnoterule{%
16552 \normalsize\ftn@rule@test@values
16553 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16554 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16555 {\usekomafont{footnoterule}{%
16556 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16557 \kern 2.6\p@}
16558 \renewcommand*\maketitle[1][1]{%
16559 \if@titlepage
16560 \begin{titlepage}

```



```

16561 \setcounter{page}{%
16562 #1%
16563 }%
16564 \let\footnotesize\small
16565 \let\right@footnoterule\relax
16566 \let\left@footnoterule\relax
16567 \let\textwidth@footnoterule\relax
16568 \let\footnote\thanks
16569 \let\LTRfootnote\LTRthanks
16570 \let\RTLfootnote\RTLthanks
16571 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16572 \let\@oldmakefnmark\@makefnmark
16573 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16574 \ifx\@extratitle\@empty \else
16575 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16576 \thispagestyle{empty}%
16577 \fi
16578 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16579 \ifx\@titlehead\@empty \else
16580 \begin{minipage}[t]{\textwidth}%
16581 \@titlehead
16582 \end{minipage}\par
16583 \fi
16584 \null\vfill
16585 \begin{center}
16586 \ifx\@subject\@empty \else
16587 {\subject@font \@subject \par}%
16588 \vskip 3em
16589 \fi
16590 {\titlefont\huge \@title\par}%
16591 \vskip 1em
16592 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16593 \vskip 2em
16594 {\Large \lineskip 0.75em
16595 \begin{tabular}[t]{c}
16596 \@author
16597 \end{tabular}\par
16598 }%
16599 \vskip 1.5em
16600 {\Large \@date \par}%
16601 \vskip \z@ \@plus3fill
16602 {\Large \@publishers \par}%
16603 \vskip 3em
16604 \end{center}\par
16605 \@thanks
16606 \vfill\null
16607 \if@twoside\next@tpage
16608 \begin{minipage}[t]{\textwidth}
16609 \@uppertitleback
16610 \end{minipage}\par

```



```

16611         \vfill
16612         \begin{minipage}[b]{\textwidth}
16613             \@lowertitleback
16614         \end{minipage}
16615     \fi
16616     \ifx\@dedication\@empty \else
16617         \next@tpage\null\vfill
16618         {\centering \Large \@dedication \par}%
16619         \vskip \z@ \@plus3fill
16620         \if@twoside \next@tpage\cleardoubleemptypage \fi
16621     \fi
16622     \end{titlepage}
16623 \else
16624     \par
16625     \@tempcnta=%
16626     #1%
16627     \relax\ifnum\@tempcnta=1\else
16628         \ClassWarning{\KOMAClassName}{%
16629             Optional argument of \string\maketitle\space ignored
16630             at\MessageBreak
16631             notitlepage-mode%
16632         }%
16633     \fi
16634     \begingroup
16635         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16636         \let\@oldmakefnmark\@makefnmark
16637         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16638         \if@twocolumn
16639             \ifnum \col@number=\@ne
16640                 \@maketitle
16641             \else
16642                 \twocolumn[\@maketitle]%
16643             \fi
16644         \else
16645             \newpage
16646             \global\@topnum\z@
16647             \@maketitle
16648         \fi
16649         \thispagestyle{\titlepagestyle}\@thanks
16650     \endgroup
16651 \fi
16652 \setcounter{footnote}{0}%
16653 \let\thanks\relax
16654 \let\LTRthanks\relax
16655 \let\RTLthanks\relax
16656 \let\maketitle\relax
16657 \let\@maketitle\relax
16658 \global\let\@thanks\@empty
16659 \global\let\@author\@empty
16660 \global\let\@date\@empty

```



```

16661 \global\let\@title\@empty
16662 \global\let\@subtitle\@empty
16663 \global\let\@extratitle\@empty
16664 \global\let\@titlehead\@empty
16665 \global\let\@subject\@empty
16666 \global\let\@publishers\@empty
16667 \global\let\@uppertitleback\@empty
16668 \global\let\@lowertitleback\@empty
16669 \global\let\@dedication\@empty
16670 \global\let\author\relax
16671 \global\let\title\relax
16672 \global\let\extratitle\relax
16673 \global\let\titlehead\relax
16674 \global\let\subject\relax
16675 \global\let\publishers\relax
16676 \global\let\uppertitleback\relax
16677 \global\let\lowertitleback\relax
16678 \global\let\dedication\relax
16679 \global\let\date\relax
16680 \global\let\and\relax
16681 }%
16682 \renewcommand*{\@maketitle}{%
16683 \clearpage
16684 \let\footnote\thanks
16685 \let\LTRfootnote\LTRthanks
16686 \let\RTLfootnote\RTLthanks
16687 \ifx\@extratitle\@empty \else
16688 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16689 \fi
16690 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16691 \ifx\@titlehead\@empty \else
16692 \begin{minipage}[t]{\textwidth}
16693 \@titlehead
16694 \end{minipage}\par
16695 \fi
16696 \null
16697 \vskip 2em%
16698 \begin{center}%
16699 \ifx\@subject\@empty \else
16700 {\subject@font \@subject \par}
16701 \vskip 1.5em
16702 \fi
16703 {\titlefont\huge \@title \par}%
16704 \vskip .5em
16705 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16706 \vskip 1em
16707 {\Large
16708 \lineskip .5em%
16709 \begin{tabular}[t]{c}
16710 \@author

```




```

16711     \end{tabular}\par
16712   }%
16713   \vskip 1em%
16714   {\Large \@date \par}%
16715   \vskip \z@ \@plus 1em
16716   {\Large \@publishers \par}
16717   \ifx\@dedication\@empty \else
16718     \vskip 2em
16719     {\Large \@dedication \par}
16720   \fi
16721 \end{center}}%
16722 \par
16723 \vskip 2em
16724 }%
16725 \renewcommand*\l@part[2]{%
16726   \ifnum \c@tocdepth >-2\relax
16727     \addpenalty{-\@highpenalty}%
16728     \addvspace{2.25em \@plus\p@}%
16729     \setlength{\@tempdima}{2em}%
16730     \if@tocleft
16731       \ifx\toc@l@number\@empty\else
16732         \setlength{\@tempdima}{0\toc@l@number}%
16733       \fi
16734     \fi
16735     \begingroup
16736       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16737       \parfillskip -\@pnumwidth
16738       \leavevmode
16739       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16740       \hskip -\if@RTL\rightskip\else\leftskip\fi
16741       {\usekomafont{partentry}{#1\nobreak
16742         \usekomafont{partentrypagenumber}{\hfil\nobreak
16743           \hb@xt@\@pnumwidth{\hss#2}}}\par
16744       \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16745       \endgroup
16746       \penalty20010
16747     \else
16748       \penalty\@highpenalty
16749     \endgroup
16750   \fi
16751 \fi
16752 }
16753 \renewcommand*\l@chapter[2]{%
16754   \ifnum \c@tocdepth >\m@ne
16755     \ifnum \lastpenalty<20010
16756       \addpenalty{-\@highpenalty}%
16757     \fi
16758     \vskip 1.0em \@plus\p@
16759     \setlength{\@tempdima}{1.5em}%
16760     \if@tocleft

```



```

16761     \ifx\toc@l@number\@empty\else
16762         \setlength\@tempdima{0\toc@l@number}%
16763     \fi
16764 \fi
16765 \begingroup
16766     \raggedchapterentry
16767 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16768     \parfillskip -\@pnumwidth
16769     \interlinepenalty\@M
16770     \leavevmode
16771     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
16772     {\usekomafont{chapterentry}{#1\nobreak
16773         \usekomafont{chapterentrypagenumber}{%
16774             \hfill\nobreak
16775             \hb@xt@\@pnumwidth{\hss#2}}}\par
16776     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16777     \endgroup
16778     \penalty20009
16779     \else
16780         \penalty\@highpenalty
16781     \endgroup
16782 \fi
16783 \fi
16784 }
16785 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16786 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16787 \renewcommand*\thesection{%
16788     \thechapter\@SepMark%
16789     \@arabic\c@section
16790 }
16791 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
16792 \renewcommand*{\thesubsubsection}{%
16793     \thesubsection\@SepMark\@arabic\c@subsubsection
16794 }
16795 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16796 \renewcommand*{\thesubparagraph}{%
16797     \theparagraph\@SepMark\@arabic\c@subparagraph
16798 }
16799 \renewcommand*\thefigure{%
16800     \thechapter\@SepMark%
16801     \@arabic\c@figure
16802 }
16803 \renewcommand*\thetable{%
16804     \thechapter\@SepMark%
16805     \@arabic\c@table
16806 }
16807 \renewcommand*\theequation{%
16808     \thechapter\@SepMark%
16809     \@arabic\c@equation
16810 }

```



```

16811 \renewenvironment{thebibliography}[1]{%
16812   \if@bib@break@
16813     \bib@beginhook
16814   \else
16815     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16816       \setchapterpreamble{\bibpreamble}%
16817     \fi\fi
16818     \bib@heading
16819     \bib@beginhook
16820     \bib@before@hook
16821   \fi
16822 \renewcommand{\BreakBibliography}[1]{%
16823   \@bib@break
16824   \end{thebibliography}%
16825   \begingroup ##1\endgroup
16826   \begin{thebibliography}{#1}
16827 }%
16828 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16829 \list{%
16830   \@biblabel{\@arabic\c@enumiv}%
16831 }{%
16832   \settowidth\labelwidth{\@biblabel{#1}}%
16833   \leftmargin\labelwidth
16834   \advance\leftmargin\labelsep
16835   \@openbib@code
16836   \if@bib@break@
16837     \edef\@tempa{%
16838       \noexpand\usecounter{enumiv}%
16839       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16840     }\@tempa
16841     \no@bib@break
16842   \else
16843     \usecounter{enumiv}%
16844   \fi
16845   \let\p@enumiv\@empty
16846   \renewcommand*{\theenumiv}{\@arabic\c@enumiv}%
16847 }%
16848 \sloppy\clubpenalty4000 \widowpenalty4000
16849 \sfcode`\.=\@m
16850 }{%
16851   \if@bib@break@
16852     \def\@noitemerr{%
16853       \@latex@warning{%
16854         \string\BreakBibliography\space at begin of `thebibliography'
16855         environment\MessageBreak
16856         or following \string\BreakBibliography}%
16857     }%
16858   \else
16859     \def\@noitemerr{%
16860       \@latex@warning{%

```



```

16861      Empty `thebibliography' environment or
16862      \string\BreakBibliography\MessageBreak
16863      before end of `thebibliography' environment}%
16864  }%
16865  \fi
16866  \endlist
16867  \if@bib@break@
16868  \else
16869    \bib@after@hook
16870    \let\bib@before@hook\@empty
16871    \let\bib@after@hook\@empty
16872  \fi
16873  \bib@endhook
16874 }
16875 \renewcommand*\left@footnoterule{%
16876   \kern-3\p@
16877   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16878   \hrule\@width.4\columnwidth
16879   \kern 2.6\p@}
16880 \renewcommand*\right@footnoterule{%
16881   \kern-3\p@
16882   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16883   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16884   \kern2.6\p@}
16885 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16886 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16887 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16888 \renewcommand\marginline[1]{%
16889   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16890 }
16891 \renewcommand{\@makecaption}[3]{%
16892   \cap@margin
16893   \ifonelinecaptions
16894     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16895     \let\scr@tmp@footnotetext=\@footnotetext
16896     \let\@footnotetext=\@gobble
16897     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16898     \let\@LTRfootnotetext=\@gobble
16899     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16900     \let\@RTLfootnotetext=\@gobble
16901     \sbox\@tempboxa{%
16902       {\capfont{\strut\ignorespaces
16903         #1{\caplabelfont{#2\captionformat}}}%
16904         #3\unskip\strut}}%
16905     }%
16906     \let\@footnotetext=\scr@tmp@footnotetext
16907     \let\scr@tmp@footnotetext=\undefined
16908     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16909     \let\scr@tmp@LTRfootnotetext=\undefined
16910     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext

```



```

16911 \let\scr@tmp@RTLfootnotetext=\undefined
16912 \setcounter{footnote}{\@tempcntb}%
16913 \setcounter{mpfootnote}{\@tempcnta}%
16914 \else
16915 \sbox\@tempboxa{\hspace*{2\cap@width}}%
16916 \fi
16917 \begingroup%
16918 \setlength{\@tempdima}{\cap@width}%
16919 \ifdim \wd\@tempboxa >\@tempdima
16920 \hb@xt@\hsize{%
16921 \setbox\@tempboxa\vbox{\hsize=\cap@width
16922 \ifdofullc@p
16923 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16924 #1{\caplabelfont{#2\captionformat}}}}}%
16925 {\#3\unskip\strut\par}}}%
16926 \else%
16927 \ifdim\cap@indent<\z@
16928 {\capfont{\strut\ignorespaces
16929 #1{\caplabelfont{#2\captionformat\par}}}%
16930 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
16931 \else%
16932 \if@capbreak
16933 {\capfont{\strut\ignorespaces
16934 #1{\caplabelfont{#2\captionformat\par}}}%
16935 \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
16936 \else
16937 {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}%
16938 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16939 {\caplabelfont{#2\captionformat}}}}{\#3\unskip\strut\par}}}%
16940 \fi
16941 \fi
16942 \fi
16943 }%
16944 \setlength{\@tempdima}{\ht\@tempboxa}%
16945 \addtolength{\@tempdima}{\dp\@tempboxa}%
16946 \addtolength{\@tempdima}{-\ht\strutbox}%
16947 \ht\@tempboxa\ht\strutbox
16948 \dp\@tempboxa\@tempdima
16949 \strut\cap@left
16950 \box\@tempboxa
16951 \cap@right\strut
16952 }%
16953 \else
16954 \global \@minipagefalse
16955 \sbox\@tempboxa{%
16956 {\capfont{\scr@smashdp{\strut\ignorespaces
16957 #1{\caplabelfont{#2\captionformat}}}}}%
16958 #3}%
16959 }%
16960 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap

```



```

16961 \fi
16962 \endgroup
16963 }
16964 \renewcommand{\@makecaption}[2]{%
16965 \if@captionabove
16966 \vskip\belowcaptionskip
16967 \else
16968 \vskip\abovecaptionskip
16969 \fi
16970 \@makecaption\@firstofone{#1}{#2}%
16971 \if@captionabove
16972 \vskip\abovecaptionskip
16973 \else
16974 \vskip\belowcaptionskip
16975 \fi
16976 }
16977 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16978 \@ifpackageloaded{caption2}{\@komalongtablefalse
16979 \scr@caption@before@longtable@warning{caption2}%
16980 }{}%
16981 \if@komalongtable
16982 \renewcommand{\LT@makecaption}[3]{%
16983 \noalign{%
16984 \if@captionabove
16985 \vskip\belowcaptionskip
16986 \else
16987 \vskip\abovecaptionskip
16988 \fi
16989 }%
16990 \LT@mcol\LT@cols c{%
16991 \hbox to\z@{\hss\parbox[t]{linewidth{%
16992 \@makecaption{#1}{#2}{#3}%
16993 \endgraf
16994 \if@captionabove
16995 \vskip\abovecaptionskip
16996 \else
16997 \vskip\belowcaptionskip
16998 \fi
16999 }%
17000 \hss
17001 }%
17002 }%
17003 }%
17004 \renewcommand*\scr@LT@array}{}%
17005 \let\scr@LT@array=\LT@array
17006 \renewcommand*\scr@LT@array}{%
17007 \let\scr@caption=\LT@caption
17008 \def\captionabove{\noalign{\global\@captionabovetrue}%
17009 \scr@caption}%
17010 \def\captionbelow{\noalign{\global\@captionabovetrue}%

```



```

17011         \scr@caption}%
17012     \if@tablecaptionabove
17013         \let\LT@caption=\captionabove
17014     \else
17015         \let\LT@caption=\captionbelow
17016     \fi
17017     \scr@LT@array
17018 }%
17019 \ClassInfo{\KOMAClassName}{%
17020     longtable captions redefined%
17021 }%
17022 \fi
17023 }

```

7.105 sidecap-xetex-bidi.def

```

17024 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for Xe
17025 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
17026     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}}\else%
17027 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}}\fi}
17028 \renewcommand*{\SC@justify@caption}{\if@RTL%
17029 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
17030     \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

7.106 soul-xetex-bidi.def

```

17031 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX e
17032 \long\def\SOUL@start#1{%
17033     \let\ bidi@RTL@everypar\@empty
17034     \let\<\SOUL@lowerthan
17035     \let\>\empty
17036     \def\soulomit{\noexpand\soulomit}%
17037     \gdef\SOUL@eventuallyexhyphen##1{%
17038         \let\SOUL@soeventuallyskip\relax
17039         \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
17040             \@minus\fontdimen4\font
17041         \SOUL@ignorespacesfalse
17042         \leavevmode
17043         \SOUL@preamble
17044         \SOUL@lasttoken={}%
17045         \SOUL@word={}%
17046         \SOUL@minus\z@
17047         \SOUL@comma\z@
17048         \SOUL@apo\z@
17049         \SOUL@grave\z@
17050         \SOUL@do{#1}%
17051         \SOUL@postamble
17052 }}
17053 \def\SOUL@ulunderline#1{%
17054     \setbox\z@\hbox{#1}%
17055     \dimen@=\wd\z@

```



```

17056 \dimen@i=\SOUL@uloverlap
17057 \advance\dimen@2\dimen@i
17058 \if@RTL
17059 \unhcopy\z@
17060 \llap{%
17061     \null
17062     \kern-\dimen@i
17063     \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17064 }%
17065 \else
17066 \rlap{%
17067     \null
17068     \kern-\dimen@i
17069     \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17070 }%
17071 \unhcopy\z@
17072 \fi
17073 }}
17074 \def\bidi@SOUL@ulleaders{%
17075 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\relax
17076 }
17077 \def\SOUL@uleveryspace#1{%
17078 \if@RTL
17079 #1%
17080 \bidi@SOUL@ulleaders
17081 \hskip\spaceskip
17082 \else
17083 \SOUL@ulcolor{%
17084 #1%
17085 \SOUL@ulleaders
17086 \hskip\spaceskip
17087 }%
17088 \fi
17089 \null
17090 }

```

7.107 stabular-xetex-bidi.def

```

17091 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for xetex]
17092 \def\@stabular{\if@RTL\@RTLtabtrue\fi
17093 \leavevmode \bgroup \if@RTLtab\beginR \fi
17094 \let\@acol\@tabacol
17095 \let\@classz\@tabclassz
17096 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
17097 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
17098 \egroup \if@RTLtab\endR\fi\egroup
17099 \@RTLtabfalse}
17100 \expandafter \let \csname endstabular*\endcsname = \endstabular
17101 \def\@sarray[#1]#2{%
17102 \bgroup

```




```

17103 \setbox\@arstrutbox\hbox{%
17104   \vrule \@height\arraystretch\ht\strutbox
17105         \@depth\arraystretch \dp\strutbox
17106         \@width\z@}%
17107 \mkpream{#2}%
17108 \edef\@preamble{%
17109   \ialign \noexpand\@halignto
17110     \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17111 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17112 \let\tabularnewline\\%
17113 \let\@sharp##%
17114 \set@typeset@protect
17115 \lineskip\z@skip\baselineskip\z@skip
17116 \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop \else \vbox \fi\bgroup\fi
17117   \@preamble}

```

7.108 subfigure-xetex-bidi.def

```

17118 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
17119 \AtBeginDocument{%
17120 \let\p@subfigure=\thefigure
17121 \let\p@subtable=\thetable%
17122 }

```

7.109 tabs-xetex-bidi.def

```

17123 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
17124 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
17125   \@RTLtabfalse}
17126
17127 \expandafter\let\csname endtabular*\endcsname=\endtabular
17128
17129 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
17130 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
17131 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
17132
17133 \def\@array[#1]#2{% remember global variables to allow recursion:
17134 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
17135   \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
17136 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
17137 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
17138 \else \let\@tarlinesep\tablinesep \fi
17139 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
17140 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
17141 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
17142 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
17143   \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
17144   \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
17145 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
17146   \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
17147 \let\protect\noexpand

```



```

17148 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
17149 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
17150 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17151 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
17152 \bgroup \let\par\@empty
17153 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
17154 \advance\extrarulesep.5\arrayrulewidth
17155 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
17156 \if@RTLtab\hbox\bgroup\beginR\if#1t\vtop \else \vbox \fi\bgroup\fi
17157 \@preamble}

```

7.110 tabularx-xetex-bidi.def

```

17158 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
17159 \def\TX@endtabularx{%
17160 \expandafter\expandafter\expandafter
17161 \TX@find@endtabularxa\csname end\TX@\endcsname
17162 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
17163 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
17164 \let\verb\TX@verb
17165 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
17166 \edef\TX@ckpt{\cl@ckpt}%
17167 \let\@elt\relax
17168 \TX@old@table\maxdimen
17169 \TX@col@width\TX@target
17170 \global\TX@cols\@ne
17171 \TX@typeout@
17172 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
17173 \TX@trial{\def\NC@rewriteX{%
17174 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
17175 \loop
17176 \TX@arith
17177 \ifTX@
17178 \TX@trial{}}%
17179 \repeat
17180 {\let\@footnotetext\TX@fnttext\let\@xfootnotenext\TX@xftntext
17181 \let\@LTRfootnotetext\TX@LTRfnttext\let\@xLTRfootnotenext\TX@xLTRfnttext
17182 \let\@RTLfootnotetext\TX@RTLfnttext\let\@xRTLfootnotenext\TX@xRTLfnttext
17183 \csname tabular*\expandafter\endcsname\expandafter\TX@target
17184 \the\toks@
17185 \csname endtabular*\endcsname}%
17186 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
17187 \ifnum0=``\fi}%
17188 \expandafter\expandafter\expandafter
17189 \TX@find@endtabularxbb
17190 \expandafter\end\expandafter{\TX@}%
17191 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
17192 }
17193
17194 \def\TX@trial#1{%

```



```

17195 \setbox\@tempboxa\hbox{%
17196   #1\relax
17197   \let\@footnotetext\TX@trial@ftn
17198   \let\@LTRfootnotetext\TX@trial@ftn
17199   \let\@RTLfootnotetext\TX@trial@ftn
17200   \let\TX@vwarn\@empty
17201   \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
17202   \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
17203   \def\write{\begingroup
17204     \def\let{\afterassignment\endgroup\toks@}%
17205     \afterassignment\let\count@}%
17206     \hbadness\@M
17207     \hfuzz\maxdimen
17208     \let\hbadness\@tempcnta
17209     \let\hfuzz\@tempdima
17210     \expandafter\tabular\the\toks@
17211     \endtabular}%
17212   \TX@ckpt
17213   \TX@typeout@{\@spaces
17214     \expandafter\TX@align
17215     \the\wd\@tempboxa\space\space\space\space\space\@@
17216     \expandafter\TX@align
17217     \the\TX@col@width\space\space\space\space\space\@@
17218     \@spaces\the\TX@cols}}
17219
17220 \long\def\TX@LTRftntext#1{%
17221   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
17222     [\the\csname c@\@mpfn\endcsname]}}%
17223   \global\TX@ftn\expandafter{\@tempa{#1}}}%
17224 \long\def\TX@xLTRftntext[#1]#2{%
17225   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
17226
17227 \long\def\TX@RTLftntext#1{%
17228   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
17229     [\the\csname c@\@mpfn\endcsname]}}%
17230   \global\TX@ftn\expandafter{\@tempa{#1}}}%
17231 \long\def\TX@xRTLftntext[#1]#2{%
17232   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

7.111 tabulary-xetex-bidi.def

```

17233 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for
17234 \def\@testpach{\@chclass
17235   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
17236   \ifnum \@lastchclass=7 5 \else
17237   \ifnum \@lastchclass=8 \tw@ \else
17238   \ifnum \@lastchclass=9 \thr@@
17239   \else \@z@
17240   \ifnum \@lastchclass = 10 \else
17241   \edef\@nextchar{\expandafter\string\@nextchar}%

```



```

17242 \@chnum
17243 \if \@nextchar c\z@ \else
17244   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
17245     \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
17246   \if \@nextchar C7 \else
17247     \if \@nextchar L8 \else
17248       \if \@nextchar R9 \else
17249         \if \@nextchar J10 \else
17250   \z@ \@chclass
17251   \if \@nextchar |\@ne \else
17252     \if \@nextchar !6 \else
17253       \if \@nextchar @7 \else
17254         \if \@nextchar <8 \else
17255           \if \@nextchar >9 \else
17256     10
17257   \@chnum
17258   \if \@nextchar m\thr@@\else
17259     \if \@nextchar p4 \else
17260       \if \@nextchar b5 \else
17261   \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
17262   \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

7.112 tc-xetex-bidi.def

```

17263 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
17264 \def\@cliptoboxdim#1{%
17265   \setbox#1=\hbox{%
17266     \Gin@defaultbp\WIDTH{\wd#1}%
17267     \Gin@defaultbp\DEPTH{\dp#1}%
17268     \@tempdima\ht#1%
17269     \advance\@tempdima\dp#1%
17270     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
17271     \beginL\special{pdf:bcontent }%
17272     \special{%
17273       pdf:literal direct
17274       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
17275     }%
17276     \special{pdf:literal direct W }%
17277     \special{pdf:literal direct n }%
17278     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
17279     \special{pdf:econtent }\endL%
17280   }%
17281 }

```

7.113 titlesec-xetex-bidi.def

```

17282 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for XeTeX]
17283 \renewcommand\filright{%
17284   \gdef\ttl@filleft##1{\hskip##1}%
17285   \gdef\ttl@filright##1{\hfill}%
17286   \let\\\@centercr

```



```

17287 \advance\rightskip\z@ \@plus 1fil
17288 \parfillskip\z@}
17289 \def\ttlhang#1#2#3#4#5#6#7#8{%
17290 \gdef\ttlmakeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
17291 \setlength\leftskip{#6}%
17292 \setlength\rightskip{#7}%
17293 \interlinepenalty\@M
17294 \ttl@changecentercr
17295 \ttl@beginlongest
17296 #1{\ifhmode\ttl@hmode@error\fi
17297 \ttl@glcmds
17298 \parindent\z@
17299 \leavevmode
17300 \begingroup
17301 \ifttl@label
17302 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
17303 \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
17304 \llap{\box\z@}%
17305 \fi
17306 #4{#8}%
17307 \kern\z@\strut\@par
17308 \endgroup
17309 \nobreak\ttl@midlongest#5\@par}%
17310 \ttl@endlongest}

```

7.114 titletoc-xetex-bidi.def

```

17311 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
17312 \renewcommand\filright{%
17313 \gdef\ttl@filleft##1{\hskip##1}%
17314 \gdef\ttl@filright##1{\hfill}%
17315 \let\\\@centercr
17316 \advance\rightskip\z@ \@plus 1fil
17317 \parfillskip\z@}
17318 \renewcommand\contentspush[1]{%
17319 \sbox\z@{#1}%
17320 \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
17321 \aftergroup\ttl@b
17322 \leavevmode\llap{\box\z@}}
17323 \def\ttl@outnoblock#1#2#3{%
17324 \begingroup
17325 \ifnum\ttl@b>\ttl@a
17326 \nobreak
17327 \else\ifnum\ttl@b<\ttl@a
17328 \addpenalty{\@secpenalty}%
17329 \else
17330 \addpenalty{\z@}%
17331 \fi\fi
17332 \ttl@contentsstretch
17333 \nobreak

```



```

17334 \ifcase#1\relax\else\interlinepenalty\@M\fi
17335 \parindent\z@
17336 \ifx\@nil#2%
17337   \PackageError{titletoc}{Unimplemented}%
17338   {The optional argument is currently mandatory}%
17339 \else
17340   \ifRTL\setlength\rightskip{#2}\else
17341   \setlength\leftskip{#2}\fi%
17342 \fi
17343 \ifRTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
17344 \let\contentsmargin\ttl@margin
17345 \def\ttl@makeline##1{##1}%
17346 #3%
17347 \addtolength{\parfillskip}{-\ttl@corr}%
17348 \ifRTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
17349 \let\ttl@leaders\leaders}
17350 \renewcommand\ttl@margin[2][\z@]{%
17351   \def\ttl@corr{#1}%
17352   \advance\ifRTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
17353   \advance\ifRTL\leftskip\else\rightskip\fi#2\relax
17354   \def\@pnumwidth{#2}}
17355 \let\ttl@savel@part\l@part
17356 \def\l@part{\ttl@lselect{part}}
17357
17358 \let\ttl@savel@chapter\l@chapter
17359 \def\l@chapter{\ttl@lselect{chapter}}

```

7.115 tocibind-xetex-bidi.def

```

17360 \ProvidesFile{tocibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocibind package]
17361 \if@dotocbib
17362   \@ifpackageloaded{natbib}{\% natbib not loaded
17363     \renewcommand{\bibsection}{\t@cb@bchapsec}
17364     \renewenvironment{thebibliography}[1]{%
17365       \bibsection
17366       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
17367 \renewenvironment{thebibitemlist}[1]{
17368   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
17369   \list{\@biblabel{\@arabic{c@enumiv}}}%
17370     {\settowidth\labelwidth{\@biblabel{#1}}%
17371     \leftmargin\labelwidth
17372     \advance\leftmargin\labelsep
17373     \@openbib@code
17374     \usecounter{enumiv}%
17375     \let\p@enumiv\@empty
17376     \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
17377   \sloppy
17378   \clubpenalty4000
17379   \@clubpenalty \clubpenalty
17380   \widowpenalty4000%

```



```

17381 \sfcode`.\.\@m}
17382 {\def\@noitemerr
17383 {\@latex@warning{Empty `thebibliography' environment}}%
17384 \endlist}
17385
17386 \@ifpackagewith{chapterbib}{sectionbib}%
17387 {\renewcommand{\sectionbib}[2]{}}%
17388 {}
17389
17390 \fi
17391 \if@inltxdoc\else
17392 \renewenvironment{theindex}%
17393 {\if@twocolumn
17394 \@restonecolfalse
17395 \else
17396 \@restonecoltrue
17397 \fi
17398 \if@bibchapter
17399 \if@donumindex
17400 \refstepcounter{chapter}
17401 \twocolumn[\vspace*{2\topskip}%
17402 \makechapterhead{\indexname}}%
17403 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
17404 \chaptermark{\indexname}
17405 \else
17406 \if@dotocind
17407 \twocolumn[\vspace*{2\topskip}%
17408 \makeschapterhead{\indexname}}%
17409 \prw@mkboth{\indexname}
17410 \addcontentsline{toc}{chapter}{\indexname}
17411 \else
17412 \twocolumn[\vspace*{2\topskip}%
17413 \makeschapterhead{\indexname}}%
17414 \prw@mkboth{\indexname}
17415 \fi
17416 \fi
17417 \else
17418 \if@donumindex
17419 \twocolumn[\vspace*{-1.5\topskip}%
17420 \nameuse{\@tocextra}{\indexname}}%
17421 \csname \@tocextra mark\endcsname{\indexname}
17422 \else
17423 \if@dotocind
17424 \twocolumn[\vspace*{-1.5\topskip}%
17425 \toc@headstar{\@tocextra}{\indexname}}%
17426 \prw@mkboth{\indexname}
17427 \addcontentsline{toc}{\@tocextra}{\indexname}
17428 \else
17429 \twocolumn[\vspace*{-1.5\topskip}%
17430 \toc@headstar{\@tocextra}{\indexname}}%

```



```

17431         \prw@mkboth{\indexname}
17432     \fi
17433 \fi
17434 \fi
17435 \thispagestyle{plain}\parindent\z@
17436 \parskip\z@ \@plus .3\p@\relax
17437 \let\item\@idxitem}
17438 {\if@restonecol\onecolumn\else\clearpage\fi}
17439 \fi

```

7.116 tocloft-xetex-bidi.def

```

17440 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for X
17441 \let\cftdot\@SepMark
17442 \if@cfthaspart
17443 \renewcommand*{\l@part}[2]{
17444     \@cftdopartfalse
17445     \ifnum \c@tocdepth >-2\relax
17446         \if@cfthaschapter
17447             \@cftdoparttrue
17448         \fi
17449         \ifnum \c@tocdepth >\m@ne
17450             \if@cfthaschapter\else
17451                 \@cftdoparttrue
17452             \fi
17453         \fi
17454     \fi
17455     \if@cftdopart
17456         \if@cfthaschapter
17457             \addpenalty{-\@highpenalty}
17458         \else
17459             \addpenalty\@secpenalty
17460         \fi
17461         \addvspace{\cftbeforepartskip}
17462         \begingroup
17463             {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
17464             \if@RTL\leftskip\else\righskip\fi \@tocrmarg
17465             \parfillskip -\if@RTL\leftskip\else\righskip\fi
17466             \parindent \cftpartindent\relax\@afterindenttrue
17467             \interlinepenalty\@M
17468             \leavevmode
17469             \@tempdima \cftpartnumwidth\relax
17470             \let\@cftbsnum \cftpartpresnum
17471             \let\@cftasnum \cftpartaftersnum
17472             \let\@cftasnumb \cftpartaftersnumb
17473             \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
17474             {\cftpartfont \cftpartpresnum #1}
17475             \cftpartfillnum{#2}}
17476         \nobreak
17477         \if@cfthaschapter

```




```

17478         \global\@nbreaktrue
17479         \everypar{\global\@nbreakfalse\everypar{}}
17480     \else
17481         \if@compatibility
17482             \global\@nbreaktrue
17483             \everypar{\global\@nbreakfalse\everypar{}}
17484         \fi
17485     \fi
17486 \endgroup
17487 \fi}
17488 \fi
17489 \if@cfthaschapter
17490 \renewcommand*{\l@chapter}[2]{
17491     \ifnum \c@tocdepth >\m@ne
17492         \addpenalty{-\@highpenalty}
17493         \vskip \cftbeforechapskip
17494         {\ifRTL\rightskip\else\leftskip\fi \cftchapindent\relax
17495         \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
17496         \parfillskip -\ifRTL\leftskip\else\rightskip\fi
17497         \parindent \cftchapindent\relax\@afterindenttrue
17498         \interlinepenalty\@M
17499         \leavevmode
17500         \@tempdima \cftchapnumwidth\relax
17501         \let\@cftbsnum \cftchappresnum
17502         \let\@cftasnum \cftchapaftersnum
17503         \let\@cftasnumb \cftchapaftersnumb
17504         \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\rightski
17505         {\cftchapfont #1}\nobreak
17506         \cftchapfillnum{#2}}
17507     \fi}
17508 \fi
17509 \renewcommand*{\l@section}[2]{%
17510     \ifnum \c@tocdepth >\z@
17511         \if@cfthaschapter
17512             \vskip \cftbeforesecskip
17513         \else
17514             \addpenalty\@secpenalty
17515             \addvspace{\cftbeforesecskip}
17516         \fi
17517         {\ifRTL\rightskip\else\leftskip\fi \cftsecindent\relax
17518         \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
17519         \parfillskip -\ifRTL\leftskip\else\rightskip\fi
17520         \parindent \cftsecindent\relax\@afterindenttrue
17521         \interlinepenalty\@M
17522         \leavevmode
17523         \@tempdima \cftsecnumwidth\relax
17524         \let\@cftbsnum \cftsecpresnum
17525         \let\@cftasnum \cftsecaftersnum
17526         \let\@cftasnumb \cftsecaftersnumb
17527         \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\rightski

```



```

17528     {\cftsecfont #1}\nobreak
17529     \cftsecfillnum{#2}}
17530   \fi}
17531 \renewcommand*{\l@section}[2]{%
17532   \ifnum \c@tocdepth >\@ne
17533     \vskip \cftbeforesubsecskip
17534     {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsecindent\relax
17535     \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
17536     \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
17537     \parindent \cftsubsecindent\relax\@afterindenttrue
17538     \interlinepenalty\@M
17539     \leavevmode
17540     \@tempdima \cftsubsecnumwidth\relax
17541     \let\@cftbsnum \cftsubsecpresnum
17542     \let\@cftasnum \cftsubsecaftersnum
17543     \let\@cftasnumb \cftsubsecaftersnumb
17544     \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
17545     {\cftsubsecfont #1}\nobreak
17546     \cftsubsecfillnum{#2}}
17547   \fi}
17548 \renewcommand*{\l@subsubsection}[2]{%
17549   \ifnum \c@tocdepth >\tw@
17550     \vskip \cftbeforesubsubsecskip
17551     {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsubsecindent\relax
17552     \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
17553     \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
17554     \parindent \cftsubsubsecindent\relax\@afterindenttrue
17555     \interlinepenalty\@M
17556     \leavevmode
17557     \@tempdima \cftsubsubsecnumwidth\relax
17558     \let\@cftbsnum \cftsubsubsecpresnum
17559     \let\@cftasnum \cftsubsubsecaftersnum
17560     \let\@cftasnumb \cftsubsubsecaftersnumb
17561     \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
17562     {\cftsubsubsecfont #1}\nobreak
17563     \cftsubsubsecfillnum{#2}}
17564   \fi}
17565 \renewcommand*{\l@paragraph}[2]{%
17566   \ifnum \c@tocdepth >3\relax
17567     \vskip \cftbeforeparaskip
17568     {\if@RTL\rightrightskip\else\leftskip\fi \cftparindent\relax
17569     \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
17570     \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
17571     \parindent \cftparindent\relax\@afterindenttrue
17572     \interlinepenalty\@M
17573     \leavevmode
17574     \@tempdima \cftparanumwidth\relax
17575     \let\@cftbsnum \cftparapresnum
17576     \let\@cftasnum \cftparaaftersnum
17577     \let\@cftasnumb \cftparaaftersnumb

```



```

17578 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17579 {\cftparafont #1}\nobreak
17580 \cftparafillnum{#2}}
17581 \fi}
17582 \renewcommand*{\l@subparagraph}[2]{%
17583 \ifnum \c@tocdepth >4\relax
17584 \vskip \cftbeforesubparaskip
17585 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
17586 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17587 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17588 \parindent \cftsubparaindent\relax\@afterindenttrue
17589 \interlinepenalty\@M
17590 \leavevmode
17591 \@tempdima \cftsubparanumwidth\relax
17592 \let\@cftbsnum \cftsubparapresnum
17593 \let\@cftasnum \cftsubparaaftersnum
17594 \let\@cftasnumb \cftsubparaaftersnumb
17595 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17596 {\cftsubparafont #1}\nobreak
17597 \cftsubparafillnum{#2}}
17598 \fi}
17599 \renewcommand*{\l@figure}[2]{%
17600 \ifnum \c@lotdepth >\z@
17601 \vskip \cftbeforefigskip
17602 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
17603 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17604 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17605 \parindent \cftfigindent\relax\@afterindenttrue
17606 \interlinepenalty\@M
17607 \leavevmode
17608 \@tempdima \cftfignumwidth\relax
17609 \let\@cftbsnum \cftfigpresnum
17610 \let\@cftasnum \cftfigaftersnum
17611 \let\@cftasnumb \cftfigaftersnumb
17612 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17613 {\cftfigfont #1}\nobreak
17614 \cftfigfillnum{#2}}
17615 \fi
17616 }
17617 \renewcommand*{\l@table}[2]{%
17618 \ifnum\c@lotdepth >\z@
17619 \vskip \cftbeforetabskip
17620 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
17621 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17622 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17623 \parindent \cfttabindent\relax\@afterindenttrue
17624 \interlinepenalty\@M
17625 \leavevmode
17626 \@tempdima \cfttabnumwidth\relax
17627 \let\@cftbsnum \cfttabpresnum

```



```

17628 \let\@cftasnum \cfttabaftersnum
17629 \let\@cftasnumb \cfttabaftersnumb
17630 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17631 {\cfttabfont #1}\nobreak
17632 \cfttabfillnum{#2}}
17633 \fi
17634 }
17635 \renewcommand{\@cftl@subfig}{
17636 \renewcommand*{\l@subfigure}[2]{%
17637 \ifnum \c@l@ofdepth > \toclevel@subfigure
17638 \vskip \cftbeforesubfigskip
17639 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
17640 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17641 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17642 \parindent \cftsubfigindent\relax\@afterindenttrue
17643 \interlinepenalty\@M
17644 \leavevmode
17645 \@tempdima \cftsubfignumwidth\relax
17646 \let\@cftbsnum \cftsubfigpresnum
17647 \let\@cftasnum \cftsubfigaftersnum
17648 \let\@cftasnumb \cftsubfigaftersnumb
17649 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17650 {\cftsubfigfont ##1}\nobreak
17651 \cftsubfigfillnum{##2}}
17652 \fi
17653 }
17654 }
17655 \renewcommand{\@cftl@subtab}{
17656 \renewcommand*{\l@subtable}[2]{%
17657 \ifnum \c@l@otdepth > \toclevel@subtable
17658 \vskip \cftbeforesubtabskip
17659 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
17660 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17661 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17662 \parindent \cftsubtabindent\relax\@afterindenttrue
17663 \interlinepenalty\@M
17664 \leavevmode
17665 \@tempdima \cftsubtabnumwidth\relax
17666 \let\@cftbsnum \cftsubtabpresnum
17667 \let\@cftasnum \cftsubtabaftersnum
17668 \let\@cftasnumb \cftsubtabaftersnumb
17669 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17670 {\cftsubtabfont ##1}\nobreak
17671 \cftsubtabfillnum{##2}}
17672 \fi
17673 }
17674 }
17675 \renewcommand{\newlistentry}[4][\@empty]{%
17676 \@ifundefined{c@#2}{% check & set the counter
17677 \ifx \@empty#1\relax

```



```

17678     \newcounter{#2}
17679 \else
17680     \ifundefined{c@#1}{\PackageWarning{tocloft}%
17681         {#1 has no counter for use as a `within'}
17682         \newcounter{#2}}%
17683     {\newcounter{#2}[#1]%
17684     \expandafter\edef\csname the#2\endcsname{%
17685     \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
17686 \fi
17687 \setcounter{#2}{0}
17688 }
17689 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
17690
17691 \@namedef{l@#2}##1##2{%
17692     \ifnum \@nameuse{c@#3depth} > #4\relax
17693     \vskip \@nameuse{cftbefore#2skip}
17694     {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
17695     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
17696     \parfillskip -\if@RTL\leftskip\else\righskip\fi
17697     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
17698     \interlinepenalty\@M
17699     \leavevmode
17700     \@tempdima \@nameuse{cft#2numwidth}\relax
17701     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
17702     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
17703     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
17704     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righskip
17705     {\@nameuse{cft#2font}##1}\nobreak
17706     \@nameuse{cft#2fillnum}{##2}}
17707 \fi
17708 } % end of l@#2
17709
17710 \expandafter\newlength\csname cftbefore#2skip\endcsname
17711 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
17712 \expandafter\newlength\csname cft#2indent\endcsname
17713 \expandafter\newlength\csname cft#2numwidth\endcsname
17714 \ifcase #4\relax % 0
17715     \setlength{\@nameuse{cft#2indent}}{0em}
17716     \setlength{\@nameuse{cft#2numwidth}}{1.5em}
17717 \or % 1
17718     \setlength{\@nameuse{cft#2indent}}{1.5em}
17719     \setlength{\@nameuse{cft#2numwidth}}{2.3em}
17720 \or % 2
17721     \setlength{\@nameuse{cft#2indent}}{3.8em}
17722     \setlength{\@nameuse{cft#2numwidth}}{3.2em}
17723 \or % 3
17724     \setlength{\@nameuse{cft#2indent}}{7.0em}
17725     \setlength{\@nameuse{cft#2numwidth}}{4.1em}
17726 \else % anything else
17727     \setlength{\@nameuse{cft#2indent}}{10.0em}

```



```

17728 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
17729 \fi
17730 \@namedef{cft#2font}{\normalfont}
17731 \@namedef{cft#2presnum}{\}
17732 \@namedef{cft#2aftersnum}{\}
17733 \@namedef{cft#2aftersnumb}{\}
17734 \@namedef{cft#2dotsep}{\cftdotsep}
17735 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
17736 \@namedef{cft#2pagefont}{\normalfont}
17737 \@namedef{cft#2afterpnum}{\}
17738 \@namedef{toclevel@#2}{#4}
17739 \@namedef{cft#2fillnum}##1{%
17740   {\@nameuse{cft#2leader}}\nobreak
17741   \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
17742 } % end \newlistentry
17743 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
17744   {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
17745     \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
17746     \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
17747     \textit{#1}\protect\par}}}

```

7.117 tocstyle-xetex-bidi.def

```

17748 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for
17749 \renewcommand*{\tocstyle@dottedtocline}[5]{%
17750   \let\numberline\tocstyle@numberline
17751   \ifnum #1>\c@tocdepth \else
17752     \if@tocstyle@penalties
17753       \begingroup
17754         \@tempcnta 20010
17755         \advance \@tempcnta by -#1
17756         \ifnum \@tempcnta>\lastpenalty
17757           \aftergroup\penalty\aftergroup\@lowpenalty
17758         \fi
17759       \endgroup
17760     \fi
17761     \edef\tocstyledepth{#1}%
17762     \tocstyle@activate@features
17763     \ifx\tocstyle@feature@entryvskip\relax
17764       \vskip \z@ \@plus.2\p@
17765     \else
17766       \addvspace{\tocstyle@feature@entryvskip}%
17767     \fi
17768     {%
17769     \parskip \z@ \parindent \z@ \if@RTL\righskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\righskip\fi
17770       \tocstyle@feature@raggedhook
17771       \@tempdima #3\relax
17772       \@tempdimb #2\relax
17773       \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
17774       \ifnum #1>\z@\relax

```



```

17775      \@tempcnta #1\relax \advance\@tempcnta \m@ne
17776      \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17777      \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17778      \@tempdimb
17779      \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17780      \advance\@tempdimb
17781      \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17782      \fi
17783      \fi
17784      \fi
17785      \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17786      \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
17787      \ifdim \@tempdimb>
17788      \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
17789      \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
17790      @#1\endcsname{\the\@tempdimb}%
17791      \fi
17792      \else
17793      \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
17794      @#1\endcsname{\the\@tempdimb}%
17795      \fi
17796      \iftocstyle@autolength
17797      \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
17798      \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
17799      \relax
17800      \fi
17801      \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
17802      \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
17803      \relax
17804      \fi
17805      \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
17806      \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17807      \else
17808      \@tempdimb #2\relax
17809      \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17810      \fi
17811      \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
17812      \ifdim \@tempdima>
17813      \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
17814      \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
17815      @\endcsname{\the\@tempdima}%
17816      \fi
17817      \else
17818      \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
17819      @\endcsname{\the\@tempdima}%
17820      \fi
17821      \ifcase\tocstyle@indentstyle\relax\else
17822      \@tempdimb \z@
17823      \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
17824      \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname

```



```

17825         \relax
17826     \fi
17827     \typeout{s (\tocstyleT0C, \tocstyledepth): \the\@tempdima}%
17828     \typeout{S (\tocstyleT0C, \tocstyledepth): \the\@tempdimb}%
17829 \fi
17830 \advance\parindent \@tempdimb\@afterindenttrue
17831 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
17832 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17833 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17834 \ifx\tocstyle@feature@parfillskip\relax\else
17835     \advance\parfillskip \tocstyle@feature@parfillskip\relax
17836 \fi
17837 \interlinepenalty\@M
17838 \leavevmode
17839 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
17840 \null\nobreak
17841 \iftocstyle@indentnotnumbered\else
17842     \hskip -\if@RTL\rightskip\else\leftskip\fi
17843 \fi
17844 \tocstyle@feature@entryhook
17845 {#4}\nobreak
17846 \ifx\tocstyle@feature@leaders\relax
17847     \leaders\hbox{$\m@th
17848         \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
17849         \mkern \@dotsep mu$}\hfill
17850 \else
17851     \tocstyle@feature@leaders
17852 \fi
17853 \nobreak
17854 \ifx\tocstyle@feature@pagenumberbox\relax
17855     \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
17856 \else
17857 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
17858 \fi
17859 \par
17860 }%
17861 \if\tocstyle@penalties
17862     \bgroup
17863     \@tempcnta 20009
17864     \advance\@tempcnta by -#1
17865     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
17866     \reserved@a
17867 \fi
17868 \fi}
17869 \renewcommand*{\tocstyle@numberline}[1]{%
17870 \begingroup
17871     \ifx\tocstyle@feature@spaceafternumber\relax
17872     \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
17873 \else
17874     \settowidth\@tempdima{\tocstyle@numberline{#1}}%

```




```

17875     \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
17876     \fi
17877     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
17878     \ifdim \@tempdima >
17879     \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
17880     \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
17881     @\tocstyledepth\endcsname{\the\@tempdima}%
17882     \fi
17883     \else
17884     \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
17885     @\tocstyledepth\endcsname{\the\@tempdima}%
17886     \fi
17887     \endgroup
17888     \iftocstyle@indentnotnumbered
17889     \hskip -\if@RTL\rightskip\else\leftskip\fi
17890     \fi
17891     \ifcase \tocstyle@indentstyle
17892     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
17893     \or
17894     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
17895     \else
17896     \ifx\tocstyle@feature@spaceafternumber\relax
17897     \hbox{\tocstyle@@numberline{#1}\enskip}%
17898     \else
17899     \hbox{\tocstyle@@numberline{#1}\hskip
17900     \tocstyle@feature@spaceafternumber\relax}%
17901     \fi
17902     \fi
17903 }
17904 \AtBeginDocument{%
17905   \ifcsname l@part\endcsname
17906   \ifcsname l@chapter\endcsname
17907   \setbox\@tempboxa\vbox{\hsize\maxdimen
17908   \l@part{\tocstyle@l@define{part}{-1}}{}}%
17909   \else
17910   \setbox\@tempboxa\vbox{\hsize\maxdimen
17911   \l@part{\tocstyle@l@define{part}{0}}{}}%
17912   \fi
17913   \fi
17914   \ifcsname l@chapter\endcsname
17915   \setbox\@tempboxa\vbox{\hsize\maxdimen
17916   \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
17917   \fi
17918   \ifcsname l@section\endcsname
17919   \setbox\@tempboxa\vbox{\hsize\maxdimen
17920   \l@section{\tocstyle@l@define{section}{1}}{}}%
17921   \fi
17922   \ifcsname l@subsection\endcsname
17923   \setbox\@tempboxa\vbox{\hsize\maxdimen
17924   \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%

```



```

17925 \fi
17926 \ifcsname l@subsubsection\endcsname
17927   \setbox\@tempboxa\vbox{\hsize\maxdimen
17928     \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
17929 \fi
17930 \ifcsname l@paragraph\endcsname
17931   \setbox\@tempboxa\vbox{\hsize\maxdimen
17932     \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
17933 \fi
17934 \ifcsname l@subparagraph\endcsname
17935   \setbox\@tempboxa\vbox{\hsize\maxdimen
17936     \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
17937 \fi
17938 \ifcsname l@table\endcsname
17939   \setbox\@tempboxa\vbox{\hsize\maxdimen
17940     \l@table{\tocstyle@l@define{table}{1}}{}}%
17941 \fi
17942 \ifcsname l@figure\endcsname
17943   \setbox\@tempboxa\vbox{\hsize\maxdimen
17944     \l@figure{\tocstyle@l@define{figure}{1}}{}}%
17945 \fi
17946 \def\@tempa#1#2#3#4#5{%
17947   \ifnum #1>\c@tocdepth \else
17948     \vskip \z@ \@plus.2\p@
17949     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17950     \parindent #2\relax\@afterindenttrue
17951     \interlinepenalty\@M
17952     \leavevmode
17953     \@tempdima #3\relax
17954     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
17955     {#4}\nobreak
17956     \leaders\hbox{$\m@th
17957       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
17958       mu$}\hfill
17959     \nobreak
17960     \hb@xt@\@pnumwidth{{\hfil \normalfont \normalcolor #5}}%
17961     \par}%
17962 \fi}%
17963 \ifx\@dottedtocline\@tempa\else
17964   \tocstyle@macrochangewarning\@dottedtocline
17965 \fi
17966 \let\tocstyle@saved@dottedtocline\@dottedtocline
17967 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
17968 \ifx\numberline\@tempa\else
17969   \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
17970 \ifx\numberline\@tempa\else
17971   \tocstyle@macrochangewarning\numberline
17972 \fi
17973 \fi
17974 \let\tocstyle@saved@numberline\numberline

```



```

17975 }
17976 \renewcommand*{\tocstyle@l@define}[2]{%
17977   \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
17978   \edef\@tempa{%
17979     \noexpand\global\noexpand\let
17980     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
17981     \expandafter\noexpand\csname l@#1\endcsname
17982     \noexpand\gdef
17983     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
17984       \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
17985       \noexpand\g@addto\macro\noexpand\tocstyle@activate@all@l@#1{%
17986         \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
17987         \expandafter\noexpand\csname tocstyle@l@#1\endcsname
17988       }%
17989     }%
17990   \PackageInfo{tocstyle}{prepare \expandafter\string
17991     \csname l@#1\endcsname\space for redefinition}%
17992   \@tempa
17993 }

```

7.118 todonotes-xetex-bidi.def

```

17994 \ProvidesFile{todonotes-xetex-bidi.def}[2015/06/17 v0.3 bidi adaptations for todonotes package]
17995 \newif\if@bidi@todonotes@textdirection@RTL
17996 \newif\if@bidi@todonotes@figposition@right
17997 \newcommand{\@bidi@todonotes@align}{}%
17998 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
17999 \newcommand{\@bidi@todonotes@textdirection}{}%
18000 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,l}
18001   \ifcase\@bidi@todonotes@tempb\relax
18002     \@bidi@todonotes@textdirection@RTLtrue
18003     \let\@bidi@todonotes@textdirection\ROLE
18004   \or
18005     \@bidi@todonotes@textdirection@RTLfalse
18006     \let\@bidi@todonotes@textdirection\ROLE
18007   \fi
18008 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,l}
18009   \ifcase\@bidi@todonotes@tempb\relax
18010     \@bidi@todonotes@figposition@righttrue
18011   \or
18012     \@bidi@todonotes@figposition@rightfalse
18013   \fi
18014 \if@todonotes@disabled%
18015 \else % \if@todonotes@disabled
18016 \renewcommand{\@todonotes@drawInlineNote}{%
18017   \if@todonotes@dviStyle%
18018     {\par\noindent\begin{tikzpicture}[remember picture]%
18019       \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
18020     \if@todonotes@authorgiven%
18021       {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%

```



```

18022         \else%
18023             {\noindent \@todonotes@sizecommand \@todonotes@text}%
18024         \fi
18025         {\par\noindent\begin{tikzpicture}[remember picture]%
18026             \draw node[inlinenotestyle] {}; \end{tikzpicture}\par}%
18027     \else%
18028         {\par\noindent\begin{tikzpicture}[remember picture]%
18029             \if@bidi@todonotes@textdirection@RTL\else\setLTR\fi%
18030             \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]%
18031                 \if@todonotes@authorgiven%
18032                     {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
18033                 \else%
18034                     {\noindent \@todonotes@sizecommand \@todonotes@text}%
18035                 \fi};%
18036             \end{tikzpicture}\par}%
18037     \fi}%
18038 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
18039 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
18040     \node [coordinate] (inText) {};%
18041 \end{tikzpicture}%
18042 \marginpar[{\% Draw note in left margin
18043     \@todonotes@drawMarginNote%
18044     \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
18045 }]{\% Draw note in right margin
18046     \@todonotes@drawMarginNote%
18047     \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
18048 }%
18049 }%
18050 \renewcommand{\@todonotes@drawMarginNote}{%
18051 \if@todonotes@dviStyle%
18052     \begin{tikzpicture}[remember picture]%
18053         \draw node[notestyle] {};%
18054     \end{tikzpicture}\\%
18055     \begin{minipage}{\@todonotes@textwidth}%
18056         \if@todonotes@authorgiven%
18057             \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
18058         \else%
18059             \@todonotes@sizecommand \@todonotes@text%
18060         \fi%
18061     \end{minipage}\\%
18062     \begin{tikzpicture}[remember picture]%
18063         \draw node[notestyle] (inNote) {};%
18064     \end{tikzpicture}%
18065 \else%
18066     \let\originalHbadness\hbadness%
18067     \hbadness 100000%
18068     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
18069         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
18070         \node(X){\vphantom{X}};%
18071         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]

```



```

18072         {\@todonotes@text};%
18073         \if@todonotes@authorgiven%
18074         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
18075             {\@todonotes@sizecommand\@todonotes@author};%
18076         \node(Y)[below=of X]{};%
18077         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
18078             {\@todonotes@text};%
18079         \else%
18080         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
18081             {\@todonotes@text};%
18082         \fi%
18083     \end{tikzpicture}%
18084     \hbadness \originalHbadness%
18085 \fi}%
18086 \renewcommand{\missingfigure}[2][]{%
18087 \setkeys{todonotes}{#1}%
18088 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
18089 \par
18090 \noindent
18091 \begin{tikzpicture}
18092 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
18093     (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
18094 \if@bidi@todonotes@figposition@right%
18095 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
18096 \fi%
18097 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
18098     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
18099 \if@bidi@todonotes@figposition@right%
18100 \end{scope}
18101 \begin{scope}[xshift=-3.8cm]
18102 \fi%
18103 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
18104 \draw (2, -0.3) node[right, text
18105     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
18106 \if@bidi@todonotes@figposition@right%
18107 \end{scope}
18108 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
18109 \fi%
18110 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
18111 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
18112 \if@bidi@todonotes@figposition@right%
18113 \end{scope}
18114 \fi%
18115 \end{tikzpicture}\hfill
18116 }% Ending \missingfigure command
18117 \fi % Ending \@todonotes@ifdisabled
18118 \presetkeys%
18119     {todonotes}%
18120     {align=left,%
18121     textdirection=lefttoright,%

```



```

18122     figposition=left}{}%

```

7.119 wrapfig-xetex-bidi.def

```

18123 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for X
18124 \let\WF@@everypar\bidi@n@everypar
18125 \def\WF@putfigmaybe{%
18126 \ifinner
18127 \vskip-\parskip \global\WF@floatfalse
18128 \let\pagetotal\maxdimen % kludge flag for "not top of page"
18129 \else % outer page
18130 \@tempdima\pagedepth % save page depth
18131 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
18132 \penalty\interlinepenalty % update pg. parameters
18133 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
18134 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
18135 \global\WF@floatfalse
18136 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
18137 \else
18138 \ifdim\WF@size>\@tempdimb
18139 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
18140 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
18141 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
18142 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
18143 \advance\dimen@.5\baselineskip
18144 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
18145 \global\WF@floatfalse \pagebreak
18146 \fi
18147 \else % \WF@info{Fits in \the\@tempdimb;}%
18148 \global\WF@floatfalse
18149 \fi\fi
18150 \vskip\@tempdima\relax % (return erased page depth)
18151 \fi
18152 \noindent
18153 \ifWF@float
18154 \WF@fltmes
18155 \else % putting here;
18156 \WF@info{Put \WF@wfname here:}%
18157 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
18158 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
18159 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
18160 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
18161 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
18162 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
18163 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
18164 \xdef\WF@adjlw{\the\@tempdima}%
18165 \ifnum `l=\WF@place % fig on left
18166 \if@RTL%
18167 \kern\@tempdimb \kern\columnsep
18168 \def\@tempa{\hss}% position to left of the gap

```



```

18169 \else%
18170 \hss % figure overlaps space to the left
18171 \def\@tempa{\kern\columnsep}% position to left of the gap
18172 \fi%
18173 \else % fig on right
18174 \ifRTL%
18175 \hss
18176 \@tempdima\z@
18177 \def\@tempa{\kern\columnsep}
18178 \else%
18179 \@tempdima\z@ % no left indentation
18180 \kern\@tempdimb \kern\columnsep
18181 \def\@tempa{\hss}% figure overlaps space to the right
18182 \fi%
18183 \fi
18184 \ifdim\@tempdimb<\hsize
18185 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
18186 \xdef\WF@adjtlm{\the\@tempdima}%
18187 \else
18188 \xdef\WF@wrapil{\z@ \the\hsize}%
18189 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
18190 \fi
18191 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
18192 \global\advance\WF@size-\intextsep
18193 \else % \WF@info{Putting \WF@wfname in middle of page}%
18194 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
18195 \fi \dp\WF@box\z@ \box\WF@box \@tempa
18196 }% end \hbox to Opt
18197 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
18198 \fi}

```

7.120 xcolor-xetex-bidi.def

```

18199 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT
18200 \long\def\color@b@x#1#2#3%
18201 {\leavevmode\ifmmode\else\ifRTL\beginL\fi\fi
18202 \setbox\z@\hbox{\kern\fbboxsep\set@color\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fbboxsep}%
18203 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
18204 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
18205 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\ifRTL\endL\fi\fi}
18206 \def\normalcolor{\let\current@color\default@color\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi
18207 \DeclareRobustCommand\color
18208 {\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}
18209 \def\@undeclaredcolor[#1]#2%
18210 {\begingroup
18211 \let\@cls\@empty
18212 \XC@getmodclr12{#1}{#2}{}%
18213 {\ifblendcolors
18214 \ifx\colorblend\@empty\else
18215 \edef\@mix{\expandafter@gobble\colorblend}\@tempwafalse

```



```

18216      \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
18217      \fi
18218    \fi
18219    \ifconvertcolorsU
18220      \edef\@tmp{\XC@tgt@mod{\@mod}}%
18221      \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
18222    \fi
18223    \ifmaskcolors
18224      \convertcolorspec\@mod\@clr\XC@mmod\@clr
18225      \let\@mod\XC@mmod
18226      \XC@inflate\@mod\XC@mclr\@clr\@tmp
18227      \expandafter\XC@mul\@tmp,\@clr
18228    \fi
18229    \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
18230    \expandafter\endgroup\@tmp}}
18231  \def\@declaredcolor#1%
18232  {\XC@edef\XC@tmp{#1}\XC@tstfalse
18233   \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
18234     \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
18235     \ifconvertcolorsU\XC@tsttrue\fi
18236   \fi
18237   \ifXC@tst
18238     \expandafter\XC@declaredcolor\else
18239     \expandafter\XC@declaredcolor\fi}
18240  \def\XC@undeclaredcolor#1#2%
18241  {\@ifundefinedmodel{#1}%
18242   {\c@lor@error{model `#1'}%
18243    {\@nameuse{color@#1}\current@color{#2}%
18244     \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
18245     \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
18246  \def\XC@declaredcolor
18247  {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
18248   \edef\current@color{\XC@current@color}%
18249   \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
18250  \DeclareRobustCommand\bidicolor
18251  {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
18252  \def\@bidiundeclaredcolor[#1]#2%
18253  {\begingroup
18254   \let\@cls\@empty
18255   \XC@getmodclr12{#1}{#2}{}%
18256   {\ifblendcolors
18257    \ifx\colorblend\@empty\else
18258      \edef\@mix{\expandafter@gobble\colorblend}\@tempswafalse
18259      \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
18260    \fi
18261    \fi
18262    \ifconvertcolorsU
18263      \edef\@tmp{\XC@tgt@mod{\@mod}}%
18264      \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
18265    \fi

```




```

18266 \ifmaskcolors
18267 \convertcolorspec\@@mod\@@clr\XC@mmod\@@clr
18268 \let\@@mod\XC@mmod
18269 \XC@inflate\@@mod\XC@mclr\@@clr\@@tmp
18270 \expandafter\XC@mul\@@tmp,\@@clr
18271 \fi
18272 \edef\@@tmp{\noexpand\XC@bidiundeclaredcolor{\@@mod}{\@@clr}}%
18273 \expandafter\endgroup\@@tmp}}
18274 \def\XC@bidiundeclaredcolor#1#2%
18275 {\ifundefinedmodel{#1}%
18276 {\color@error{model `#1'}}%
18277 {\@nameuse{color@#1}\current@color{#2}}%
18278 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
18279 \XC@display}}
18280 \def\@bidideclaredcolor#1%
18281 {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
18282 \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
18283 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
18284 \ifconvertcolorsU\XC@@tsttrue\fi
18285 \fi
18286 \ifXC@@tst
18287 \expandafter\XC@bidideclaredcolor\else
18288 \expandafter\XC@bidideclaredcolor\fi}
18289 \def\XC@bidideclaredcolor
18290 {\XC@split\XC@@tmp
18291 \edef\@@tmp{\noexpand\@bidiundeclaredcolor[\@@mod]{\@@clr}}%
18292 \expandafter\endgroup\@@tmp}
18293 \def\XC@bidideclaredcolor
18294 {\XC@let\Nc\XC@current@color{\string\color\XC@@tmp}%
18295 \edef\current@color{\XC@current@color}%
18296 \XC@display}
18297 \def\color@box#1#2{\color@box\relax{\bidicolor#1{#2}}}
18298 \def\color@fbbox#1#2#3{\protect\color@fbbox{#1}{#2}{#3}}
18299 \def\color@fbbox#1#2#3#4%
18300 {\color@box{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
18301 {\ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
18302 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.121 latex-xetex-bidi.def

```

18303 \ProvidesFile{latex-xetex-bidi.def}[2015/11/14 v1.2.4 bidi adaptations for `latex.ltx' for XeTeX]
18304 \newcommand{\TeXeTOn}{\TeXeTstate=1 }
18305 \newcommand{\TeXeTOff}{\TeXeTstate=0 }
18306 \TeXeTOn
18307 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
18308 \let\bidi@o@everypar=everypar
18309 \newtoks\bidi@n@everypar
18310 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
18311 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
18312 \let\everypar=\bidi@n@everypar

```



```

18313 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
18314 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
18315 \protected\def\hboxR{\hbox\bgroup
18316   \everyhbox{%
18317     \aftergroup\egroup
18318     \everyhbox{}}%
18319   \beginR
18320   \bgroup
18321   \aftergroup\endR
18322   \aftergroup\egroup
18323 } \hbox}
18324 \protected\def\hboxL{\hbox\bgroup
18325   \everyhbox{%
18326     \aftergroup\egroup
18327     \everyhbox{}}%
18328   \beginL
18329   \bgroup
18330   \aftergroup\endL
18331   \aftergroup\egroup
18332 } \hbox}
18333 \protected\def\vboxR{\vbox\bgroup
18334   \everyvbox{%
18335     \aftergroup\egroup
18336     \everyvbox{}}%
18337   \@RTLtrue
18338   \bgroup
18339   \aftergroup\egroup
18340 } \vbox}
18341 \protected\def\vboxL{\vbox\bgroup
18342   \everyvbox{%
18343     \aftergroup\egroup
18344     \everyvbox{}}%
18345   \@RTLfalse
18346   \bgroup
18347   \aftergroup\egroup
18348 } \vbox}
18349 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
18350 \def\endLTR{\par}
18351 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
18352 \def\endRTL{\par}
18353 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
18354 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
18355 \let\unsetRTL=\setLTR
18356 \let\unsetLTR=\setRTL
18357 \let\LR=\LRE
18358 \let\RL=\RLE
18359 \def\@ensureRTL#1{\if@RTL#1\else\RLE{#1}\fi}
18360 \def\@ensureLTR#1{\if@RTL\LRE{#1}\else#1\fi}
18361 \let\@ensureRL=\@ensureRTL
18362 \let\@ensureLR=\@ensureLTR

```



```

18363 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
18364 \let\@ensure@maindir=\@ensure@dir
18365 \def\@RTL{RTL}
18366 \def\@LTR{LTR}
18367 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
18368 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
18369 \let\@TeX\TeX
18370 \def\TeX{\@ensure@LTR{\@TeX}}
18371 \let\@LaTeX\LaTeX
18372 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
18373 \let\@LaTeXe\LaTeXe
18374 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
18375 \long\def\@bidi@reflect@box#1{%
18376   \leavevmode
18377   \setbox\z@\hbox{{#1}}%
18378   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
18379   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
18380 }
18381 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
18382   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
18383 \def\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
18384   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
18385 \let\setRL=\setRTL
18386 \let\setLR=\setLTR
18387 \let\unsetRL=\setLTR
18388 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
18389 \ifpackageloaded{array}{%
18390 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
18391   \leavevmode
18392   \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
18393   \let\dollarend\end\group
18394   \@tabarray}
18395 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup\@RTLtabfalse}
18396 }{%
18397 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
18398   \leavevmode \hbox \bgroup
18399   $\left.\let\acol\@tabacol
18400   \let\@classz\@tabclassz
18401   \let\@classiv\@tabclassiv \let\\ \@tabularcr\@tabarray}
18402
18403 \def\endbidi@tabular@RTLcases{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
18404   \egroup\right\rbrace $\egroup
18405   \@RTLtabfalse}
18406 }
18407 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
18408   \ialign{##\hfil$&\quad{##}\hfil\crcr#1\crcr}}\,,\right\}}
18409 \renewenvironment{RTLcases}{%
18410   \bidi@matrix@check\RTLcases\env@RTLcases
18411 }{%
18412   \endbidi@tabular@RTLcases%

```



```

18413 }
18414 \def\env@RTLcases{%
18415   \let\@ifnextchar\@ifnextchar
18416   \def\arraystretch{1.2}%
18417   \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
18418 }
18419 \def\SepMark#1{\gdef\@SepMark{\if@RTL\fi#1\if@RTL\fi}}
18420 \SepMark{.}
18421 \def\@thmcountersep{\@SepMark}
18422 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
18423 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
18424 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
18425 \def\list#1#2{%
18426   \ifnum \@listdepth >5\relax
18427     \@toodeep
18428   \else
18429     \global\advance\@listdepth\@ne
18430   \fi
18431   \rightmargin\z@
18432   \listparindent\z@
18433   \itemindent\z@
18434   \csname @list\romannumeral\the\@listdepth\endcsname
18435   \def\@itemlabel{#1}%
18436   \let\makelabel\@mklab
18437   \@nmbrlistfalse
18438   #2\relax
18439   \@trivlist
18440   \parskip\parsep
18441   \parindent\listparindent
18442   \advance\linewidth -\rightmargin
18443   \advance\linewidth -\leftmargin
18444   \if@bidi@list@minipage@parbox
18445     \if@RTL
18446       \advance\@totalleftmargin \leftmargin
18447     \else
18448       \advance\@totalleftmargin \rightmargin
18449     \fi
18450   \else
18451     \if@RTLtab
18452       \if@bidi@list@minipage@parbox@not@nob
18453       \if@RTL
18454         \advance\@totalleftmargin \rightmargin
18455       \else
18456         \advance\@totalleftmargin \leftmargin
18457       \fi
18458     \else
18459       \if@RTL
18460         \advance\@totalleftmargin \leftmargin
18461       \else
18462         \advance\@totalleftmargin \rightmargin

```



```

18463 \fi\fi
18464 \else
18465 \if@RTL
18466 \advance\@totalleftmargin \rightmargin
18467 \else
18468 \advance\@totalleftmargin \leftmargin
18469 \fi\fi\fi
18470 \parshape \@ne \@totalleftmargin \linewidth
18471 \ignorespaces}
18472 \long\def\@iiparbox#1#2[#3]#4#5{%
18473 \leavevmode
18474 \@pboxswfalse
18475 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
18476 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
18477 \setlength\@tempdima{#4}%
18478 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
18479 \ifx\relax#2\else
18480 \setlength\@tempdimb{#2}%
18481 \edef\@parboxto{to\the\@tempdimb}%
18482 \fi
18483 \if#1b\vbox
18484 \else\if #1t\top
18485 \else\ifmmode\vcenter
18486 \else\@pboxswtrue $\vcenter
18487 \fi\fi\fi
18488 \@parboxto{\let\hss\vss\let\unhbox\unvbox
18489 \csname bm@#3\endcsname}%
18490 \if@pboxsw \m@th$\fi
18491 \@end@tempboxa}
18492 \def\bidi@lrbox#1{%
18493 \edef\reserved@a{%
18494 \endgroup
18495 \setbox#1\hbox{%
18496 \begingroup\aftergroup}%
18497 \def\noexpand\@currentvir{\@currentvir}%
18498 \def\noexpand\@currentvline{\on@line}}%
18499 \reserved@a
18500 \@endpefalse
18501 \color@begingroup
18502 \ignorespaces}
18503 \def\endbidi@lrbox{\unskip\color@endgroup}
18504 \newenvironment{LTRitems}
18505 {\par\@RTLfalse
18506 \if@bidi@list@minipage@parbox
18507 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
18508 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18509 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
18510 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
18511 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
18512 \ignorespaces}{\vskip\z@}

```



```

18513 \newenvironment{RTLitems}
18514     {\par\@RTLtrue
18515       \if@bidi@list@minipage@parbox
18516         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
18517         \else \ifRTLtab\if@bidi@list@minipage@parbox@not@nob
18518         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
18519         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
18520         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
18521         \ignorespaces}{\vskip\z@}
18522 \newenvironment{LTRbibitems}
18523     {\par\@RTLfalse
18524       \if@bidi@list@minipage@parbox
18525         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
18526         \else \ifRTLtab\if@bidi@list@minipage@parbox@not@nob
18527         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
18528         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
18529         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
18530         \ignorespaces}{\vskip\z@}
18531 \newenvironment{RTLbibitems}
18532     {\par\@RTLtrue
18533       \if@bidi@list@minipage@parbox
18534         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
18535         \else \ifRTLtab\if@bidi@list@minipage@parbox@not@nob
18536         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
18537         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
18538         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
18539         \ignorespaces}{\vskip\z@}
18540 \def\raggedright{%
18541   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
18542   \leftskip\z@skip
18543   \parindent\z@\parfillskip\z@skip}
18544 \let\bidi@orig@raggedleft\raggedleft
18545 \let\bidi@orig@raggedright\raggedright
18546 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\ifRTLtab\b
18547 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\ifRTLtab\b
18548 \newcommand{\bidi@raggedright}{\ifRTL\raggedleft\else\raggedright\fi}
18549 \newcommand{\bidi@raggedleft}{\ifRTL\raggedright\else\raggedleft\fi}
18550 \def\centerline#1{%
18551 \ifRTL\@@line{\hss\beginR#1\endR\hss}
18552 \else\@@line{\hss#1\hss}\fi}
18553 \def\leftline#1{%
18554 \ifRTL\@@line{\beginR#1\endR\hss}
18555 \else\@@line{#1\hss}\fi}
18556 \def\rightline#1{%
18557 \ifRTL\@@line{\hss\beginR#1\endR}
18558 \else\@@line{\hss#1}\fi}
18559 \let\bidi@orig@leftline\leftline
18560 \let\bidi@orig@rightline\rightline
18561 \def\leftline#1{\ifhmode\ifRTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
18562 \def\rightline#1{\ifhmode\ifRTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\

```



```

18563 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
18564 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
18565 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
18566 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
18567 \def\narrower{%
18568 \advance\if@RTL\rightright\else\leftskip\fi\parindent
18569 \advance\if@RTL\leftskip\else\rightright\fi\parindent}
18570 \def\underline#1{%
18571 \relax
18572 \ifmmode\@@underline{#1}%
18573 \else
18574 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
18575 \else
18576 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
18577 \if@compatibility
18578 \let\underline=\underline
18579 \fi
18580 \global\@RTLtabfalse
18581 \def\@tabular{\if@RTL\@RTLtabtrue\fi
18582 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
18583 $\let\@acol\@tabacol
18584 \let\@classz\@tabclassz
18585 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
18586 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18587 \egroup $\if@RTLtab\endR\fi\egroup
18588 \@RTLtabfalse}
18589 \expandafter \let \csname endtabular*\endcsname = \endtabular
18590 \def\@array[#1]#2{%
18591 \if #1t\top \else \if#1b\bottom \else \vcenter \fi\fi
18592 \bgroup
18593 \setbox\@arstrutbox\hbox{%
18594 \vrule \@height\arraystretch\ht\strutbox
18595 \@depth\arraystretch \dp\strutbox
18596 \@width\z@}%
18597 \mkpream{#2}%
18598 \edef\@preamble{%
18599 \ialign \noexpand\@halignto
18600 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18601 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18602 \let\@tabularnewline\\%
18603 \let\par\@empty
18604 \let\@sharp##%
18605 \set@typeset@protect
18606 \lineskip\z@skip\baselineskip\z@skip
18607 \ifhmode \@preamerr\z@ \@@par\fi
18608 \if@RTLtab\hbox\bgroup\beginR\if #1t\top \else \bottom \fi\bgroup\fi
18609 \@preamble}
18610 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
18611 \let\@classiv\@arrayclassiv
18612 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}

```



```

18613 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
18614     \ifnum \@lastchclass=3 5 \else
18615     \z@ \if #1c\@chnum \z@ \else
18616         \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
18617         \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
18618     \@chclass \if #1|\@ne \else
18619     \if #1@\tw@ \else
18620     \if #1p3 \else \z@ \@preamerr 0\fi
18621 \fi \fi \fi \fi \fi \fi
18622 \fi}
18623 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
18624 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
18625 \def\bm@t{\unhbox\@tempboxa\hss}
18626 \def\bm@b{\hss\unhbox\@tempboxa}
18627 \def\@dottedtocline#1#2#3#4#5{%
18628     \ifnum #1>\c@tocdepth \else
18629     \vskip \z@ \@plus.2\p@
18630     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmarg \
18631     \parindent #2\relax\@afterindenttrue
18632     \interlinepenalty\@M
18633     \leavevmode
18634     \@tempdima #3\relax
18635     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
18636     {#4}\nobreak
18637     \leaders\hbox{$\m@th
18638         \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
18639         mu$}\hfill
18640     \nobreak
18641     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
18642     \par}%
18643 \fi}
18644 \def\RTL@outputdblcol{%
18645 \if@firstcolumn \global\@firstcolumnfalse
18646 \global\setbox\@leftcolumn \box\@outputbox
18647 \else \global\@firstcolumntrue
18648 \setbox\@outputbox \vbox {\hbox to\textwidth {%
18649 \hskip \columnwidth
18650 \hfil \vrule width\columnseprule \hfil
18651 \hbox to\columnwidth {\box\@leftcolumn \hss}}%
18652 \hskip -\textwidth
18653 \hbox to\columnwidth{\box\@outputbox \hss}}%
18654 \hskip \columnsep
18655 \hskip \columnwidth }}%
18656 \c@combinedblfloats \@outputpage
18657 \begingroup \@dblfloatplacement \@startdblcolumn
18658 \@whiles\if@fcolmade \fi
18659 {\@outputpage \@startdblcolumn }\endgroup
18660 \fi}
18661 \def\LTR@outputdblcol{%
18662 \if@firstcolumn

```




```

18663 \global \@firstcolumnfalse
18664 \global \setbox\@leftcolumn \box\@outputbox
18665 \else
18666 \global \@firstcolumntrue
18667 \setbox\@outputbox \vbox {%
18668 \hb@xt@\textwidth {%
18669 \hb@xt@\columnwidth {%
18670 \box\@leftcolumn \hss}%
18671 \hfil
18672 {\normalcolor\vrule \@width\columnseprule}%
18673 \hfil
18674 \hb@xt@\columnwidth {%
18675 \box\@outputbox \hss}%
18676 }%
18677 }%
18678 \@combinedblfloats
18679 \@outputpage
18680 \begingroup
18681 \@dblfloatplacement
18682 \@startdblcolumn
18683 \@whilesw\if@fcolmade \fi
18684 {\@outputpage
18685 \@startdblcolumn}%
18686 \endgroup
18687 \fi
18688 }
18689 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
18690 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
18691 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
18692 \def\LTRmarginpar{%
18693 \ifhmode
18694 \@bsphack
18695 \@floatpenalty -\@Mii
18696 \else
18697 \@floatpenalty-\@Miii
18698 \fi
18699 \ifinner
18700 \@parmoderr
18701 \@floatpenalty\z@
18702 \else
18703 \@next\@currbox\@freelist{}\}%
18704 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
18705 {\@floatpenalty\z@
18706 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
18707 \fi
18708 \@ifnextchar [\@LTRxmpar\@LTRympar}
18709 \long\def\@LTRxmpar[#1]#2{%
18710 \@LTRsavemarbox\@marbox{#1}%
18711 \@LTRsavemarbox\@currbox{#2}%
18712 \@xympar}

```



```

18713 \long\def\@LTRympar#1{%
18714   \@LTRsavemarbox\@marbox{#1}%
18715   \global\setbox\@currbox\copy\@marbox
18716   \@xympar}
18717 \long\def \@LTRsavemarbox #1#2{%
18718   \global\setbox #1%
18719   \color@vbox
18720   \vtop{%
18721     \hsize\marginparwidth
18722     \@parboxrestore
18723     \@LTRmarginparreset
18724     #2%
18725     \@minipagefalse
18726     \outer@nobreak
18727   }%
18728   \color@endbox
18729 }
18730 \def \@LTRmarginparreset {%
18731   \reset@font
18732   \normalsize
18733   \@minipagetrue
18734   \everypar{\@minipagefalse\everypar{}\beginL}%
18735 }
18736 \def\RTLmarginpar{%
18737   \ifhmode
18738     \@bsphack
18739     \@floatpenalty -\@Mii
18740   \else
18741     \@floatpenalty-\@Miii
18742   \fi
18743   \ifinner
18744     \@parmoderr
18745     \@floatpenalty\z@
18746   \else
18747     \@next\@currbox\@freelist{}}}%
18748     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
18749     {\@floatpenalty\z@
18750     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
18751   \fi
18752   \@ifnextchar [\@RTLxmpar\@RTLympar}
18753 \long\def\@RTLxmpar[#1]#2{%
18754   \@RTLSavemarbox\@marbox{#1}%
18755   \@RTLSavemarbox\@currbox{#2}%
18756   \@xympar}
18757 \long\def\@RTLympar#1{%
18758   \@RTLSavemarbox\@marbox{#1}%
18759   \global\setbox\@currbox\copy\@marbox
18760   \@xympar}
18761 \long\def \@RTLSavemarbox #1#2{%
18762   \global\setbox #1%

```



```

18763 \color@vbox
18764 \vtop{%
18765 \hsize\marginparwidth
18766 \@parboxrestore
18767 \@RTLmarginparreset
18768 #2%
18769 \@minipagefalse
18770 \outer@nobreak
18771 }%
18772 \color@endbox
18773 }
18774 \def \@RTLmarginparreset {%
18775 \reset@font
18776 \normalsize
18777 \@minipagetrue
18778 \everypar{\@minipagefalse\everypar{}\beginR}%
18779 }
18780 \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
18781 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
18782 \if@twocolumn
18783 \if@firstcolumn \@tempcnta\m@ne \fi
18784 \else
18785 \if@mparswitch
18786 \ifodd\c@page \else\@tempcnta\m@ne \fi
18787 \fi
18788 \if@reversemargin \@tempcnta -\@tempcnta \fi
18789 \fi
18790 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
18791 \@tempdima\@mparbottom
18792 \advance\@tempdima -\@pageht
18793 \advance\@tempdima\ht\@marbox
18794 \ifdim\@tempdima >\z@
18795 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
18796 \else
18797 \@tempdima\z@
18798 \fi
18799 \global\@mparbottom\@pageht
18800 \global\advance\@mparbottom\@tempdima
18801 \global\advance\@mparbottom\dp\@marbox
18802 \global\advance\@mparbottom\marginparpush
18803 \advance\@tempdima -\ht\@marbox
18804 \global\setbox \@marbox
18805 \vbox {\vskip \@tempdima
18806 \box \@marbox}%
18807 \global \ht\@marbox \z@
18808 \global \dp\@marbox \z@
18809 \kern -\@pagedp
18810 \nointerlineskip
18811 \hb@xt@\columnwidth
18812 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi

```



```

18813         \hskip\columnwidth \hskip\marginparsep
18814     \else
18815         \hskip -\marginparsep \hskip -\marginparwidth
18816     \fi
18817     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
18818     \nointerlineskip
18819     \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
18820 \long\def\@ympar#1{%
18821 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
18822 \global\setbox\@currbox\copy\@marbox
18823 \@xympar}
18824 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
18825 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
18826 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
18827 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
18828 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
18829 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
18830 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
18831 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
18832 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
18833 \fi}
18834 \def\@outputpage{%
18835 \begingroup % the \endgroup is put in by \aftergroup
18836 \let \protect \noexpand
18837 \let \resetactivechars
18838 \global\let\@if@newlist\if@newlist
18839 \global\@newlistfalse
18840 \let\parboxrestore
18841 \shipout \vbox{%
18842 \set@typeset@protect
18843 \aftergroup \endgroup
18844 \aftergroup \set@typeset@protect
18845 % correct? or just restore by ending
18846 % the group?
18847 \if@specialpage
18848 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
18849 \fi
18850 \if@twoside
18851 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
18852 \let\@themargin\oddsidemargin
18853 \else \let\@thehead\@evenhead
18854 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
18855 \fi
18856 \ifx\@thehead\@empty \let\@thehead\hfil \fi
18857 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
18858 \else %% not @twoside
18859 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
18860 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
18861 \fi
18862 \reset@font

```



```

18863 \normalsize
18864 \normalsfcodes
18865 \let\label\@gobble
18866 \let\index\@gobble
18867 \let\glossary\@gobble
18868 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
18869 \@begindvi
18870 \vskip \topmargin
18871 \moveright\@themargin \vbox {%
18872   \setbox\@tempboxa \vbox to\headheight{%
18873     \vfil
18874     \color@hbox
18875       \normalcolor
18876       \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLma
18877         \color@endbox
18878       }%
18879     \dp\@tempboxa \z@
18880     \box\@tempboxa
18881     \vskip \headsep
18882     \box\@outputbox
18883     \baselineskip \footskip
18884     \color@hbox
18885       \normalcolor
18886       \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
18887         \color@endbox
18888       }%
18889     }%
18890 \global\let\if@newlist\@if@newlist
18891 \global \colht \textheight
18892 \stepcounter{page}%
18893 \let\firstmark\botmark
18894 }
18895 \long\def\@makecaption#1#2{%
18896   \vskip\abovecaptionskip
18897   \sbox\@tempboxa{#1: #2}%
18898   \ifdim \wd\@tempboxa >\hsize
18899     \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
18900   \else
18901     \global \@minipagefalse
18902     \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
18903     \fi
18904     \vskip\belowcaptionskip}
18905 \let\@bidi@saved@eqno=\eqno
18906 \let\@bidi@saved@leqno=\leqno
18907 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
18908 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
18909 \@ifpackageloaded{amsmath}{}{
18910 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
18911 }
18912 \input{footnote-xetex-bidi.def}

```



```

18913 \if@twocolumn
18914 \let\autofootnoterule\relax
18915 \let\leftfootnoterule\relax
18916 \let\rightfootnoterule\relax
18917 \textwidthfootnoterule
18918 \fi
18919 \if@bidi@csundef{@idxitem}{\}%
18920 \renewcommand{@idxitem}{\par\hangindent \if@RTL-\fi40\p}%
18921 }
18922 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
18923 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
18924 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
18925 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
18926 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
18927 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
18928 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
18929 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
18930 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
18931 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
18932 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
18933 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
18934 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
18935 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
18936 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
18937 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
18938 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
18939 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
18940 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
18941 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
18942 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
18943 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
18944 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
18945 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
18946 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
18947 \@ifpackageloaded{amsmath}{\}%
18948 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
18949 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
18950 }
18951 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
18952 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
18953 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
18954 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
18955 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
18956 \@ifpackagewith{algorithm2e}{algonl}{\%
18957 \renewcommand{theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}
18958 }{}
18959 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
18960 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
18961 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
18962 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}

```



```

18963 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
18964 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
18965 \@ifpackageloaded{animate}{\input{animate-xetex-bidi.def}}{}
18966 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
18967 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
18968 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
18969 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
18970 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
18971 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
18972 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
18973 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
18974 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
18975 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
18976 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
18977 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}{}
18978 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
18979 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
18980 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
18981 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
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18991 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
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18999 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
19000 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
19001 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
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19006 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
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19010 \@ifpackagewith{sidecap}{innercaption}{%
19011 \ifRTL \renewcommand*{\SC@FLOAT}[2]{%
19012 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {#1}\hspace{\sidecaptionsep}{#2}}

```



```

19013 \renewcommand*{\SC@justify@caption{%
19014   \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
19015   \renewcommand*{\SC@FLOAT}[2]{%
19016     \isSC@ODD{#{1}\hspace{\sidecaptionsep}{#2}} {#{2}\hspace{\sidecaptionsep}{#1}}}
19017 \renewcommand*{\SC@justify@caption{%
19018   \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
19019 }{}
19020 \ifpackagewith{sidecap}{rightcaption}{%
19021   \if@RTL\renewcommand*{\SC@FLOAT}[2]{#{1}\hspace{\sidecaptionsep}{#2}}
19022   \def\SC@justify@caption{\RaggedLeft}\else%
19023   \renewcommand*{\SC@FLOAT}[2]{#{2}\hspace{\sidecaptionsep}{#1}}
19024   \def\SC@justify@caption{\RaggedRight}\fi%
19025 }{}
19026 \ifpackagewith{sidecap}{leftcaption}{%
19027   \if@RTL \renewcommand*{\SC@FLOAT}[2]{#{2}\hspace{\sidecaptionsep}{#1}}
19028   \def\SC@justify@caption{\RaggedRight}\else%
19029   \renewcommand*{\SC@FLOAT}[2]{#{1}\hspace{\sidecaptionsep}{#2}}
19030   \def\SC@justify@caption{\RaggedLeft}\fi%
19031 }{}
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19041 \ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
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19043 \ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
19044 \ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
19045 \ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
19046 \ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
19047 \ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
19048 \ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
19049 \ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
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7.122 xltextra-xetex-bidi.def

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19054 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for XeTeX]
19055 \let\@@XeTeX\XeTeX
19056 \def\XeTeX{\@ensure@LTR{\@@XeTeX}}
19057 \let\@@XeLaTeX\XeLaTeX
19058 \def\XeLaTeX{\@ensure@LTR{\@@XeLaTeX}}

```



8 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

Symbols		
\# 2916, 2962, 3071, 3079	\@@author 5253, 5256, 5259	18263, 18264,
\% 10628	\@@bidi@AfterClass	18267, 18268,
\' 10748,	..... 3321, 3338	18269, 18272, 18291
12429, 14243, 14257	\@@bidi@AfterPackage	\@@par .. 12427, 14241,
\(..... 12530	..... 3366, 3381	14255, 14816,
\) 12531	\@@bidi@PreventPackageFromLoading	4859, 15336,
\, 4640, 10825,	... 3412, 3414, 3416	15343, 15847,
14821, 14864,	\@@clr .. 18216, 18221,	15854, 16396,
18021, 18032, 18408	18224, 18226,	16401, 16522,
\- 10747,	18227, 18229,	16529, 17307,
12428, 14242, 14256	18259, 18264,	17309, 18478, 18607
\. 89, 298, 805,	18267, 18269,	\@@protect 2847
936, 1198, 1447,	18270, 18272, 18291	\@@startpbox .. 12362,
5830, 6017, 6328,	\@@cls 18211, 18254	17111, 17150, 18601
7666, 7939, 9874,	\@@date 5254, 5257, 5260	\@@title 5252, 5255, 5258
13678, 14390,	\@@end 3160, 3161	\@@tmp 18220,
14783, 14979,	\@@endpbox ... 12363,	18221, 18226,
15181, 15650,	17111, 17150, 18601	18227, 18229,
16217, 16849, 17381	\@@if@newlist . 10184,	18230, 18263,
\ / 1991	10204, 18838, 18890	18264, 18269,
\: 12572, 12631	\@@input 3220, 3237	18270, 18272,
\; 180, 199	\@@italiccorr . 338, 6372	18273, 18291, 18292
\< 17034	\@@line 8180,	\@@underline 18572, 18574, 18576
\= 10748,	8184, 15207,	\@DEBUGfalse 2341
12429, 14243, 14257	15216, 15254,	\@False 6351, 6353
\> 17035	15265, 18551,	\@LTRbibitemfalse
\@ 2986	18552, 18554,	..... 18422, 18424
\@@ 17215, 17217	18555, 18557, 18558	\@LTRbibitemstrue 18423
\@@@bidi@AfterClass	\@@makecaption	\@LTRbidityftesidenote@sidenote
..... 3322, 3327	... 15692, 15771,	.. 4753, 4812, 4816
\@@@bidi@AfterPackage	15793, 16259,	\@LTRbidityftesidenotemarginparreset
..... 3367, 3371	16338, 16360,	..... 4391, 4398
\@@LTR 14106,	16891, 16970, 16992	\@LTRbidityftesidenotesavemarbox
14108, 18366, 18368	\@@makefnmark . 15353,	..... 4378,
\@@LaTeX ... 18371, 18372	15355, 15864,	4379, 4382, 4385
\@@LaTeXe .. 18373, 18374	15866, 16410,	\@LTRbidityftesidenotexmpar
\@RTL 14105,	16411, 16539, 16541	..... 4376, 4377
14108, 18365, 18368	\@@math 6363	\@LTRbidityftesidenoteympar
\@TeX 14109,	\@@mix 18215, 18258	..... 4376, 4381
14110, 18369, 18370	\@@mod .. 18216, 18220,	\@LTRfootnotetext 62,
\@@XeLaTeX 19057, 19058	18221, 18224,	78, 151, 152,
\@@XeTeX .. 19055, 19056	18225, 18226,	153, 270, 287,
	18229, 18259,	



2127, 2250, 4684,	13463, 14181,	\@RTLbiditytesidenoteympar
4765, 4772, 5488,	14289, 14290,	..... 4420, 4425
5499, 5712, 5726,	14314, 14423,	\@RTLcolumnfootnotesfalse
7258, 7259, 8018,	14562, 14685,	..... 8088
8074, 8081, 8195,	14738, 14739,	\@RTLcolumnfootnotestru
8344, 8486, 8635,	14799, 14800,	..... 8087
8784, 8933, 9082,	15153, 15161,	\@RTLfalse 36,
9231, 9380, 9571,	15588, 16121,	64, 84, 245,
10424, 10430,	16769, 17206,	272, 293, 792,
10468, 10493,	17293, 17334,	926, 1188, 1437,
10548, 10573,	17467, 17498,	1790, 1796, 2567,
10579, 11295,	17521, 17538,	5820, 6007, 6315,
11323, 11402,	17555, 17572,	6333, 6345, 6358,
11421, 11615,	17589, 17606,	7656, 7926, 7988,
11619, 11639,	17624, 17643,	8020, 8035, 8048,
11640, 12402,	17663, 17698,	8206, 8216, 8251,
12485, 13570,	17837, 17951, 18632	8263, 8355, 8364,
13571, 13572,	\@MM . . 40, 53, 68, 249,	8397, 8408, 8497,
15318, 15324,	262, 276, 7256,	8507, 8542, 8554,
15698, 15699,	7277, 7324, 7331,	8646, 8656, 8691,
15709, 15829,	7376, 7383, 8134,	8703, 8795, 8805,
15835, 16265,	10442, 10458, 10473	8839, 8851, 8944,
16266, 16276,	\@Mi 2312, 6363	8954, 8988, 9000,
16504, 16510,	\@Mii 2203, 4319, 4363,	9093, 9103, 9138,
16897, 16898,	4407, 6789, 6798,	9150, 9242, 9252,
16908, 17181, 17198	6808, 6953, 6962,	9287, 9299, 9391,
\@LTRmarginparfalse	6972, 18695, 18739	9401, 9436, 9448,
..... 18824, 18826	\@Miii 2205, 4321, 4365,	9546, 9557, 9864,
\@LTRmarginparreset	4409, 18697, 18741	10438, 10469,
..... 18723, 18730	\@RTL@footnotefalse	10510, 10523,
\@LTRmarginpartrue 18825	... 1814, 10267,	12001, 12023,
\@LTRsavemarbox 18710,	10434, 14089,	12027, 12034,
18711, 18714, 18717	14094, 18349, 18354	12418, 13229,
\@LTRxmpar 18708, 18709	\@RTL@footnotetrue	13670, 13807,
\@LTRympar . 18708, 18713	... 1812, 10267,	13855, 14053,
\@M . . . 6, 88, 101, 207,	10433, 14091,	14085, 14089,
231, 297, 778,	14093, 18351, 18353	14094, 14130,
841, 842, 866,	\@RTLbibitemfalse	14380, 14773,
969, 1092, 1147,	..... 18423, 18424	14966, 15168,
1148, 1220, 1340,	\@RTLbibitemstrue 18422	15629, 16196,
1341, 1347, 1469,	\@RTLbiditytesidenote@sidenote	16828, 17368,
2054, 2059, 4984,	.. 4782, 4813, 4817	18313, 18345,
5752, 5753, 5759,	\@RTLbiditytesidenotemarginparreset	18349, 18354,
5872, 5928, 5929,	..... 4435, 4442	18965, 18523,
5935, 6048, 6098,	\@RTLbiditytesidenotesaveretext	18821, 18876, 18886
6293, 6301, 6367,	..... 4422,	47, 77, 155, 156,
7634, 7647, 7903,	4423, 4426, 4429	157, 256, 286,
7912, 8180, 8184,	\@RTLbiditytesidenotexmpar	2128, 2251, 4701,
9841, 9849, 10157,	..... 4420, 4421	4794, 4801, 5489,
13439, 13451,		



5500, 5713, 5727, 7279, 7280, 8002, 8075, 8082, 8196, 8345, 8487, 8636, 8785, 8934, 9083, 9232, 9381, 9572, 10415, 10421, 10453, 10492, 10549, 10588, 10594, 11294, 11312, 11387, 11422, 11614, 11618, 11636, 11637, 12403, 12486, 13574, 13575, 13576, 15319, 15328, 15700, 15701, 15711, 15830, 15839, 16267, 16268, 16278, 16505, 16514, 16899, 16900, 16910, 17182, 17199 \@RTLmainfalse 1769, 1773, 1871, 1875 \@RTLmaintrue 1772, 1874 \@RTLMarginparfalse 18825, 18826 \@RTLMarginparreset 18767, 18774 \@RTLMarginpartrue 18824 \@RTLSavemarbox 18754, 18755, 18758, 18761 \@RTLtabfalse 602, 629, 1584, 2143, 2310, 6412, 17099, 17125, 18395, 18405, 18580, 18588, 18612 \@RTLtabtrue 597, 2124, 2271, 6389, 17092, 18390, 18397, 18581 \@RTLtrue ... 36, 49, 84, 245, 258, 293, 792, 926, 1188, 1437, 1788, 1794, 2567, 5820, 6007,	6315, 6372, 6374, 7656, 7926, 7988, 8004, 8035, 8061, 8206, 8226, 8251, 8276, 8355, 8373, 8397, 8420, 8497, 8517, 8542, 8567, 8646, 8666, 8691, 8716, 8795, 8815, 8839, 8864, 8944, 8964, 8988, 9013, 9093, 9113, 9138, 9163, 9242, 9262, 9287, 9312, 9391, 9411, 9436, 9461, 9546, 9557, 9864, 10438, 10454, 10497, 10523, 12001, 12023, 12034, 12421, 13229, 13670, 14054, 14077, 14091, 14093, 14380, 14773, 14966, 15168, 15629, 16196, 16828, 17368, 18314, 18337, 18351, 18353, 18514, 18532, 18821, 18876, 18886 \@RTLxmpar . 18752, 18753 \@RTLympar . 18752, 18757 \@SepMark 19, 20, 21, 22, 164, 220, 221, 222, 223, 336, 345, 766, 767, 768, 769, 919, 920, 921, 922, 1172, 1173, 1174, 1175, 1430, 1431, 1432, 1433, 5845, 5846, 5847, 5848, 5849, 5851, 5853, 5855, 6021, 6022, 6023, 6024, 6025, 6027, 6029, 6031, 6272, 6274, 6276, 6278, 6279, 6280, 6281,	6282, 7766, 7767, 7768, 7769, 7882, 7884, 7886, 7888, 7889, 7890, 7891, 7892, 9966, 9967, 9968, 9969, 9970, 9972, 9974, 9976, 10124, 10130, 10237, 10239, 10241, 10243, 10244, 10245, 10246, 10247, 10250, 10252, 10254, 10256, 10257, 10258, 10259, 10260, 12049, 13116, 13118, 13120, 13122, 13124, 13125, 13127, 13128, 13129, 13712, 13720, 13722, 14394, 14395, 14396, 14397, 14398, 14400, 14402, 14404, 14759, 14760, 14761, 14762, 14763, 14765, 14767, 14769, 14953, 14955, 14957, 14958, 14959, 14960, 14961, 14962, 15134, 15136, 15138, 15140, 15141, 15142, 15143, 15144, 15603, 15604, 15606, 15608, 15610, 16138, 16141, 16143, 16147, 16149, 16151, 16153, 16157, 16159, 16165, 16167, 16173, 16175, 16786, 16788, 16791, 16793, 16795,
---	---	--



16797, 16800, 16804, 16808, 17441, 17685, 18419, 18421, 18957	17662, 17697, 17830, 17950, 18631	\@anim@getkeyval 483, 558
\@True . 6346, 6352, 6384	\@algocf@finish ... 186	\@anim@getpath . 428, 460
\@Undottedtocline 13446	\@algocf@post@boxed 168	\@anim@insertwidgets 482, 557
\@Undottedtoclinep 13458	\@algocf@post@boxruled 170	\@anim@keytoaux 479, 562
\@acci 10748, 12429, 14243, 14257	\@algocf@pre@boxed 167	\@anim@label ... 389, 516
\@accii 10748, 12429, 14243, 14257	\@algocf@pre@boxruled 169	\@anim@last ... 397, 406, 414, 417, 453
\@acciii 10748, 12429, 14243, 14257	\@algocf@start 171	\@anim@makebuttons 439, 529
\@acol 1653, 1661, 2136, 12359, 17094, 18399, 18583, 18610	\@algoinsideskip 183, 187	\@anim@maxframe 473, 479, 552, 562
\@acolampacol .. 1651, 1653, 1659, 1661	\@algoskip 172, 195	\@anim@missing 365, 368, 370
\@addamp 1652, 1660	\@ampacol ... 1651, 1659	\@anim@mone ... 478, 561
\@addfield 18830	\@anim@@newframe .. 539	\@anim@multiframe . 540
\@addmarginpar ... 18780	\@anim@animategraphics 491, 492	\@anim@newkey . 440, 530
\@address 2459, 7113, 7114, 7211, 7213	\@anim@animateinline 569, 570	\@anim@nfps 443, 444, 445, 447, 450, 534
\@addresscolour 2428, 2445, 7112, 7210	\@anim@base 395, 399, 428, 461	\@anim@num . 439, 440, 456, 464, 476, 479, 482, 488, 529, 530, 545, 555, 557, 562, 567
\@addtofilelist 3220, 3236	\@anim@box 431	\@anim@numtemplate 413, 417, 461
\@addtopreamble 1624, 1687, 6437	\@anim@buildtln 476, 555	\@anim@pad 461
\@addtoreset 334, 10127, 13710, 13716, 13718	\@anim@checkmultipage 399	\@anim@pathtofile 425, 429, 457, 465
\@adviper 6736	\@anim@curframe 419, 453, 457, 461, 467	\@anim@poster .. 478, 561
\@afterheading 788, 2037, 2047, 7644, 7652, 12441	\@anim@curframe@zb 420, 456, 464, 468, 470, 522, 545, 547, 549	\@anim@processfpsarg 535
\@afterindentfalse .. 2037, 2047, 12440	\@anim@draftbox ... 433	\@anim@relop 412, 416, 453
\@afterindenttrue 866, 1092, 1347, 4983, 5759, 5935, 13438, 13450, 13462, 14314, 14685, 17466, 17497, 17520, 17537, 17554, 17571, 17588, 17605, 17623, 17642,	\@anim@endframe ... 545	\@anim@reset .. 375, 502
	\@anim@endsanitize 356, 484, 500, 559	\@anim@sanitizeColon 492, 570
	\@anim@every ... 415, 467	\@anim@sanitizeJS 475, 554
	\@anim@fgcolour 438, 440, 483, 528, 530, 558	\@anim@scale 431
	\@anim@filebox . 425, 429	\@anim@skipfram ... 523
	\@anim@first 396, 406, 413, 414, 419, 425, 428	\@anim@tmpcnt 471, 472, 473, 550, 551, 552
	\@anim@fps 450	\@anim@ximage .. 456, 464
	\@anim@frames 470, 471, 549, 550	\@arabic 164, 766, 767, 768, 769, 793, 800, 919, 920, 921, 922, 927, 934, 1172, 1173, 1174, 1175, 1189, 1196, 1430, 1431,
	\@anim@ftype 399, 428, 462	



1432, 1433, 1438,	15134,	15136,	1500, 1545, 1565,
1445, 2578, 5821,	15138,	15139,	1576, 1936, 5185,
5828, 5845, 5846,	15140,	15141,	5187, 5256, 5883,
5847, 5848, 5849,	15142,	15143,	5885, 5903, 6059,
5851, 5853, 5855,	15144,	15169,	6061, 6079, 6154,
6008, 6015, 6021,	15176,	15604,	6168, 6204, 6225,
6022, 6023, 6024,	15606,	15608,	7693, 7705, 7739,
6025, 6027, 6029,	15610,	15631,	7758, 7788, 7802,
6031, 6272, 6274,	15647,	16145,	7838, 7859, 9893,
6276, 6277, 6278,	16147,	16149,	9905, 9939, 9958,
6279, 6280, 6281,	16151,	16153,	13085, 14434,
6282, 6316, 6323,	16161,	16169,	14436, 14454,
7657, 7664, 7766,	16177,	16198,	14499, 14518,
7767, 7768, 7769,	16214,	16789,	14573, 14575,
7882, 7884, 7886,	16791,	16793,	14595, 14642,
7887, 7888, 7889,	16795,	16797,	14664, 14675,
7890, 7891, 7892,	16801,	16805,	14830, 14844,
7927, 7934, 9865,	16809,	16830,	14885, 14906,
9872, 9966, 9967,	16846, 17369, 17376		15016, 15030,
9968, 9969, 9970,	\@argdef 2807		15066, 15087,
9972, 9974, 9976,	\@array 604, 625, 1586,		15410, 15473,
10237, 10239,	1587, 17133, 18590		15524, 15921,
10241, 10242,	\@arrayacol 18610		15984, 16035,
10243, 10244,	\@arrayclassiv . . . 18611		16596, 16659, 16710
10245, 10246,	\@arrayclassz		\@auxout 2294, 5659
10247, 10250,	. . 1651, 17137, 18610		\@badmath . . 10089, 10103
10252, 10254,	\@arraycr		\@begin@tempboxa . .
10255, 10256,	. . 624, 12368, 18612		10921, 10928, 18478
10257, 10258,	\@arrayleft 617		\@begin@vdi . 10155, 18869
10259, 10260,	\@arrayparboxrestore		\@begin@parpenalty .
12049, 12051,	12405, 14238, 14252		. . . . . 2050,
13116, 13118,	\@arrayright 626		2059, 10092, 10106
13120, 13122,	\@arrayrule		\@bib@break
13124, 13127,	1606, 1607, 1608,		15624, 16191, 16823
13128, 13129,	1644, 1645, 1646		\@biblabel 85,
14381, 14388,	\@arstdepth		294, 793, 794,
14394, 14395,	. 17130, 17135, 17153		927, 928, 1189,
14396, 14397,	\@arstheight 17135, 17153		1190, 1438, 1439,
14398, 14400,	\@arstrut 614,		5821, 5822, 6008,
14402, 14404,	12382, 17110, 18600		6009, 6316, 6317,
14759, 14760,	\@arstrutbox . . . 607,		7657, 7658, 7927,
14761, 14762,	12370, 12406,		7928, 9865, 9866,
14763, 14765,	17103, 17145,		13671, 14381,
14767, 14769,	17149, 17153, 18593		14382, 14774,
14774, 14781,	\@author 648,		14775, 14967,
14953, 14955,	662, 698, 719,		14968, 15169,
14957, 14958,	980, 982, 1000,		15170, 15631,
14959, 14960,	1045, 1064, 1231,		15633, 16198,
14961, 14962,	1233, 1251, 1296,		16200, 16830,
14967, 14974,	1315, 1480, 1482,		16832, 17369, 17370



\@bibsetup	13671	\@bidi@todonotes@textdirection@RTL@false	37, 4044,
\@bibtitlestyle	81, 290	. . . . .	18005, 4045, 4048, 4049
\@bidi@AfterClass	3322,	\@bidi@todonotes@textdirection@RTL@true	3910, 3912, 3913,
.	3343, 3348, 3355	\@bidi@unreplacefilewithext	3914, 4005, 4012
\@bidi@AfterPackage	3367,	. . . . .	3293, 3299, 3302
.	3386, 3390, 3397	\@bidi@declaredcolor	. . . . .
\@bidi@PreventPackageFromLoading	6496, 18251, 18280	. . . . .	6489,
.	3407, 3408, 3410	\@bidi@tuftefloat@float@fullwidth	. . . . .
\@bidi@UnPreventPackageFromLoading	4452, 4456, 4557	. . . . .	3992, 4040
.	3499, 3500, 3503	\@bidi@tuftefloat@float@textwidth	. . . . .
\@bidi@emptytoks . . . . .	. . . . .	. . . . .	3993, 4022
.	2602, 2607, 2631	\@bidi@tufteLTRSidenote@cite@normal	. . . . .
\@bidi@envbody 2601,	. . . . .	. . . . .	3940, 3955
2603, 2605,	. . . . .	\@bidi@tuftefloat@float@fullwidth	. . . . .
2606, 2607, 2627,	. . . . .	. . . . .	3870, 3876,
2629, 2630, 2631	. . . . .	\@bidi@tuftefloat@justification	. . . . .
\@bidi@info . . . . .	. . . . .	. . . . .	3877, 3878, 3972
.	1722, 1745, 1747,	\@bidi@tufteRTLsidenote@normal@cite	. . . . .
.	1839, 1862, 1864	. . . . .	3838
\@bidi@list@minipage@parbox@normal@float@caption@box	. . . . .	\@bidi@tuftefloat@justification@autodetect	. . . . .
.	10537, 18475	. . . . .	3769, 3908
\@bidi@list@minipage@parbox@true	. . . . .	\@bidi@tuftefloat@label	. . . . .
.	10538, 18476	. . . . .	3937, 3964
\@bidi@list@makecaption	. . . . .	\@bidi@tuftefloat@margin@floatbox	. . . . .
.	11999, 12014,	. . . . .	3886, 3889, 3900
12015, 12041, 12043	. . . . .	\@bidi@tuftefloat@margin@par	. . . . .
\@bidi@mdf@RTL@true 12417	. . . . .	. . . . .	3808, 3895
\@bidi@removefromreset	. . . . .	\@bidi@tuftefloat@margin@font	. . . . .
.	2696, 2697, 2699	\@bidi@tuftefloat@fill	. . . . .
\@bidi@replacefilewithext	. . . . .	. . . . .	3835, 3836
.	3284, 3288, 3291	\@bidi@tuftefloat@orig@caption	. . . . .
\@bidi@saveprimitive	. . . . .	. . . . .	3961, 3983, 4013
.	2589	\@bidi@tuftefloat@orig@endfloat	. . . . .
\@bidi@tabular@RTL@cases	. . . . .	. . . . .	3924, 3996, 4247
.	18388, 18390, 18397	\@bidi@tuftefloat@orig@float	. . . . .
\@bidi@todonotes@align	. . . . .	. . . . .	3923, 3970, 4246
.	17997,	\@bidi@tuftefloat@orig@label	. . . . .
.	17998, 18030,	. . . . .	3962,
.	18071, 18074,	\@bidi@tuftefloat@caption@vertical@offset	. . . . .
.	18077, 18080,	. . . . .	3984, 4014
.	18105, 18110, 18111	\@bidi@tuftefloat@overhang	. . . . .
\@bidi@todonotes@figureposition@right@true	. . . . .	. . . . .	3869,
.	18012	\@bidi@tuftefloat@checkoddpage	. . . . .
\@bidi@todonotes@figureposition@right@false	. . . . .	. . . . .	3873, 3874, 4066,
.	18010	\@bidi@tuftefloat@checkoddpage	. . . . .
\@bidi@todonotes@textdirection	. . . . .	. . . . .	4067, 4106, 4107
.	17999, 18003,	\@bidi@tuftefloat@pkgname	. . . . .
.	18006, 18110, 18111	. . . . .	3743, 3744, 3746
		\@bidi@tuftefloat@stored@caption	. . . . .
		. . . . .	3928,
		\@bidi@tuftefloat@stored@label	. . . . .
		. . . . .	3929,
		\@bidi@tuftefloat@float@debug	. . . . .
		. . . . .	3938, 3984,
		\@bidi@tuftefloat@stored@shortcaption	. . . . .
		. . . . .	4000, 4002, 4019
		
			3927, 3932,



3933, 3983, 4017	4745, 4774, 4803,	\@caption
\@biditytgeneralstructure@reset@par 4834, 4843	\@biditytreset@par 4073, 13211, 13214	
..... 5029, 5035	\@biditytsidenote@sidenote@captionabovefalse	
\@bidityttheheading@newlinetospace . . 4724, 4811, 4815	. 15811, 16378, 17010	
..... 4088, 4097	\@biditytsidenote@sidenote@captionabovetrue	
\@bidityttheheading@newlinetospace@i 4623	15809, 16376, 17008	
..... 4089, 4091	\@biditytsidenote@sidenote@captiontype 2141,	
\@bidityttheheading@orig@cr . . . 4449, 4453,	2190, 2238, 3892,	
..... 4096, 4100	4636, 4637, 4640	13204, 13208,
\@biditytsidenote@add@citation	\@biditytsidenote@sidenote@justification, 15234	
..... 4592, 4625	. . 4457, 4636, 4637	\@cclv . . . 2316, 2321,
\@biditytsidenote@check@multiple@sidenotes	\@biditytsidenote@sidenote@vertical@offset, 348,	
..... 4650, 4658	. . . . . 4721, 4722,	9773, 9774, 9791
\@biditytsidenote@citation@font	4728, 4730, 4736,	\@centercr 5057, 14189,
. . . . 4451, 4455,	4743, 4757, 4759,	14202, 14215,
4538, 4576, 4604	4765, 4772, 4786,	17286, 17315, 18541
\@biditytsidenote@citation@justification	4788, 4794, 4801	\@cftasnum . . . 17471,
..... 4459, 4605	\@biditytsidenote@trim@b	17502, 17525,
\@biditytsidenote@citations	. . . . . 4502, 4509	17542, 17559,
4591, 4593, 4594,	\@biditytsidenote@trim@c	17576, 17593,
4596, 4601, 4610,	. . 4506, 4509, 4514	17610, 17628,
4726, 4755, 4784,	\@biditytsidenote@trim@spaces	17647, 17667, 17702
4823, 4832, 4841	. . . . . 4491,	\@cftasnumb . . 17472,
\@biditytsidenote@infootnote@cite	4494, 4543, 4545,	17503, 17526,
..... 4624,	4502, 4564, 4581,	17543, 17560,
4725, 4754, 4783,	4583, 4613, 4615	17577, 17594,
4822, 4831, 4840	\@biditytsidenotemargin@parreset	17611, 17629,
\@biditytsidenote@justification@autodetect	. . . . . 4347, 4354	17648, 17668, 17703
..... 4457,	\@biditytsidenotesavemark	\@cftbnum . . . 17470,
4458, 4459, 4460	. . . . . 4334,	17501, 17524,
\@biditytsidenote@margin@par	4335, 4338, 4341	17541, 17558,
. . . . 4461, 4606,	\@biditytsidenotexmpar	17575, 17592,
4672, 4689, 4706,	. . . . . 4332, 4333	17609, 17627,
4824, 4833, 4842	\@biditytsidenoteympar	17646, 17666, 17701
\@biditytsidenote@margin@font	. . . . . 4332, 4337	\@cftdopartfalse . 17444
. . . 4448, 4449,	\@bidityttetoc@lof@line	\@cftdoparttrue . . .
4450, 4451, 4452	. . . . . 4976, 4992	. . . . . 17447, 17451
\@biditytsidenote@margin@note@font . . . 4852, 4853	\@bidityttetoc@pkgname	\@cftl@subfig . . . 17635
. . . 4450, 4454,	\@bidiundeclaredcolor	\@cftl@subtab . . . 17655
4824, 4833, 4842	. . . 6489, 6490,	\@chapapp 6093, 6288,
\@biditytsidenote@margin@note@justification	4813, 4819, 18291	7898, 9837, 15149
..... 4458,	\@bscontmark 13108	\@chapterlistsgap@off
4824, 4833, 4842	\@bsmarkseries . . 13089	. . . . . 13704
\@biditytsidenote@normal@list@titleempty . . 13077	\@bsmarkseries . . 13089	\@chapterlistsgap@on
. . . 4532, 4629,	\@bspack . . . . .	. . . . . 13711, 13719
4746, 4775, 4804,	. . . . . 2202, 4318, 4362,	\@chclass . . 572, 584,
4826, 4835, 4844	4406, 18694, 18738	595, 1593, 1605,
\@biditytsidenote@print@thanks@headpost 13091	\@bsthanksheadpost 13091	1618, 1638, 1643,
..... 4598,	\@bsthanksheadpre 13091	17234, 17250,
		17261, 18613, 18618



\@checkend ... 2620, 2644, 3577, 3578	\@colourgreentruer ... 7032, 7130	\@conttfnt 13147, 13159, 13165, 13171, 13175
\@chnum ... 573, 580, 591, 1594, 1601, 1614, 1624, 1640, 1641, 1642, 1655, 1663, 1689, 6439, 17235, 17242, 17257, 18615, 18616, 18617	\@colourgreyfalse 7035, 7133	\@curfield 5675, 5690, 5710, 5724, 5734, 18830
\@circlefnt ... 9995	\@colourgreytrue 7036, 7134	\@curline ... 5673, 5688, 18830, 18832
\@classiv ... 2138, 12360, 17096, 18401, 18585, 18611	\@colourorangefalse 7029, 7127	\@currbox 2210, 2241, 2245, 4283, 4286, 4327, 4330, 4335, 4339, 4371, 4374, 4379, 4383, 4415, 4418, 4423, 4427, 18703, 18706, 18711, 18715, 18747, 18750, 18755, 18759, 18781, 18790, 18822
\@classx 1621, 1680, 6433	\@colourorangetruer 7030, 7128	\@currentHlabel 11380, 11395, 11410
\@classz . 1621, 1680, 1714, 1715, 2137, 6433, 12360, 17095, 17137, 18400, 18584, 18610	\@colouredfalse 7033, 7131	\@currentHref 11381, 11396, 11411, 11470, 11508, 11541, 11572, 11603, 11825, 11836, 11838
\@cleartopmattertags 125	\@colouredtrue 7034, 7132	\@currentlabel ... 42, 55, 70, 251, 264, 278, 4674, 4691, 4708, 7994, 8010, 8026, 8039, 8052, 8065, 8210, 8220, 8230, 8256, 8269, 8281, 8308, 8321, 8359, 8368, 8377, 8402, 8414, 8425, 8451, 8463, 8501, 8511, 8521, 8547, 8560, 8572, 8599, 8612, 8650, 8660, 8670, 8696, 8709, 8721, 8748, 8761, 8799, 8809, 8819, 8845, 8858, 8870, 8897, 8910, 8948, 8958, 8968, 8994, 9007, 9019, 9046, 9059, 9097, 9107, 9117, 9143
\@cliptoboxdim ... 17264	\@colroom ... 2327, 2336, 6802, 6825, 6828, 6830, 6831, 6990, 6993, 6995, 6996, 7291, 7348	
\@clsextension 3291, 3302, 3318, 3328, 3337, 3340, 3349	\@combinedblfloats ... 6678, 6717, 10046, 10078, 10159, 10787, 10811, 13298, 13377, 18656, 18678	
\@clubpenalty 803, 6326, 7937, 14977, 15179, 17379	\@combinefloats ... 9758	
\@colht ... 2327, 2328, 6813, 6814, 6824, 6825, 6832, 6847, 6881, 6884, 6906, 6907, 6966, 6978, 6979, 6989, 6990, 6997, 7014, 7018, 9763, 10178, 13236, 13239, 13241, 13243, 13248, 13249, 13250, 13269, 13270, 13271, 13275, 13318, 13321, 13323, 13325, 13330, 13331, 13332, 13351, 13352, 13353, 13357, 18891	\@compactenum@ ... 5039	
\@colourfalse ... 2371	\@cons ... 18780, 18781	
\@colourgreenfalse ... 7031, 7129	\@contcshortstyle 13159	
	\@contcstyle 13164, 13170, 13175	
	\@contcwidth 13153, 13154	
	\@contdelim 13147, 13158, 13162, 13169, 13174	
	\@contfield 5676, 5691, 5723	
	\@contfinal 13147, 13159, 13165, 13171, 13175	
	\@contfmark 13146, 13149	
	\@contfnote 13145, 13148	
	\@contindw ... 13170	
	\@contnfont 13147, 13158, 13162, 13169, 13174	
	\@contpost ... 13179	
	\@contpre ... 13157, 13163, 13168, 13173	



9156, 9168, 9195,	14833, 14845,	\@dottedtocline ...
9208, 9246, 9256,	14886, 14908,	... 17963, 17964,
9266, 9292, 9305,	15019, 15031,	17966, 17984, 18627
9317, 9344, 9357,	15067, 15090,	\@dseries 6358
9395, 9405, 9415,	15414, 15474,	\@eha 2597, 17689
9441, 9454, 9466,	15528, 15925,	\@ehc 2280,
9493, 9506, 9593,	15985, 16039,	2314, 2823, 3780,
9605, 9617, 9643,	16482, 16483,	3782, 4481, 4483,
9657, 9671, 9706,	16486, 16491,	11988, 13421, 13427
9720, 10444,	16600, 16660, 16714	\@ehd 13205
10460, 10475,	\@datefield 16422	\@eightcol@footgroupv@r
10502, 10515, 10528	\@dblarg 13211	..... 9087
\@currentlabelname	\@dblfloatplacement	\@eightcollTRfootfmt
..... 11382,	... 6679, 6720,	... 9110, 9131, 9159
11397, 11412,	10047, 10082,	\@eightcollTRfootnotetext
11471, 11509,	10166, 10789,	..... 9082, 9103
11542, 11573, 11604	10813, 13301,	\@eightcolRTLfootfmt
\@currenvir	13380, 18657, 18681	... 9120, 9134, 9171
... 2606, 2609,	\@declaredcolor 6474,	\@eightcolRTLfootnotetext
2610, 2630, 2633,	6475, 18208, 18231	..... 9083, 9113
2634, 2661, 18497	\@dedication	\@eightcolfootfmt .
\@currenvline 18498	.. 15430, 15432,	.. 9100, 9128, 9146
\@currlist 18780	15483, 15531,	\@eightcolfootnotetext
\@curtabmar 18829, 18832	15533, 15941,	..... 9081, 9093
\@cvtheme ... 2451, 2454	15943, 15994,	\@elt 2698, 2701,
\@cvthemeoptions ..	16042, 16044,	4171, 4172, 4173,
..... 2452, 2454	16616, 16618,	4174, 4175, 4176,
\@date 651, 663,	16669, 16717, 16719	4177, 4178, 4179,
699, 722, 988,	\@dedicatory 325	4180, 4181, 4182,
990, 1002, 1047,	\@defaultskiptotal 198	4212, 4213, 4214,
1067, 1239, 1241,	\@definitionfileextension	4215, 4216, 4217,
1253, 1298, 1318,	..... 2675, 2678	4218, 4219, 4220,
1488, 1490, 1502,	\@depth .. 609, 12372,	4221, 4222, 4223,
1547, 1568, 1577,	17075, 17105,	4224, 4225, 4226,
1937, 5203, 5257,	17146, 18595, 18819	4227, 4228, 4229,
5891, 5893, 5905,	\@dgroup 6345	6384, 7257, 7278,
6067, 6069, 6081,	\@dischyph ... 10747,	7284, 7319, 7321,
6157, 6169, 6205,	12428, 14242, 14256	7323, 7329, 7341,
6228, 7696, 7706,	\@displaypagenumbersfalse	7371, 7373, 7375,
7740, 7761, 7791,	..... 2550	7381, 17165, 17167
7803, 7839, 7862,	\@displaypagenumberstrue	\@email . 2463, 7119, 7217
7946, 7951, 9896,	..... 2549	\@emathdisplay . 184, 200
9906, 9940, 9961,	\@dmath 6333, 6362	\@empty 83,
11852, 11857,	\@docolbox 10217	111, 130, 132, 292,
13086, 14442,	\@dodynamicthefoot 10156	444, 624, 661,
14444, 14456,	\@dodynamicthehead 10156	662, 663, 664,
14501, 14521,	\@dofilelist	697, 698, 699,
14581, 14583,	.. 3588, 3589, 3591	700, 799, 933,
14597, 14644,	\@dotsep 17848,	999, 1000, 1001,
14667, 14676,	17849, 17957, 18638	1002, 1044, 1045,



1046,	1047,	1195,	12386,	13083,	16238,	16239,
1250,	1251,	1252,	13084,	13085,	16395,	16423,
1253,	1295,	1296,	13086,	13698,	16424,	16425,
1297,	1298,	1444,	14147,	14387,	16426,	16427,
1499,	1500,	1501,	14453,	14454,	16428,	16429,
1502,	1544,	1545,	14455,	14456,	16430,	16434,
1546,	1547,	1935,	14498,	14499,	16440,	16446,
1936,	1937,	1938,	14500,	14501,	16452,	16458,
2197,	2577,	2586,	14594,	14595,	16464,	16470,
2618,	2642,	3404,	14596,	14597,	16476,	16482,
3417,	3418,	3424,	14641,	14642,	16491,	16521,
3447,	3477,	3485,	14643,	14644,	16574,	16579,
3504,	3507,	3518,	14780,	14843,	16586,	16592,
3522,	3532,	3538,	14844,	14845,	16616,	16658,
3539,	3540,	3553,	14846,	14884,	16659,	16660,
3565,	3569,	3636,	14885,	14886,	16661,	16662,
3647,	4534,	4553,	14887,	14973,	16663,	16664,
4572,	4593,	4600,	15029,	15030,	16665,	16666,
5185,	5252,	5253,	15031,	15032,	16667,	16668,
5254,	5827,	5902,	15065,	15066,	16669,	16687,
5903,	5904,	5905,	15067,	15068,	16691,	16699,
6014,	6078,	6079,	15175,	15335,	16705,	16717,
6080,	6081,	6167,	15388,	15393,	16731,	16761,
6168,	6169,	6170,	15400,	15406,	16815,	16845,
6203,	6204,	6205,	15430,	15472,	16870,	16871,
6206,	6322,	6348,	15473,	15474,	17033,	17152,
7318,	7370,	7663,	15475,	15476,	17200,	17375,
7704,	7705,	7706,	15477,	15478,	17675,	17677,
7707,	7738,	7739,	15479,	15480,	18211,	18214,
7740,	7741,	7801,	15481,	15482,	18254,	18257,
7802,	7803,	7804,	15483,	15501,	18388,	18603,
7837,	7838,	7839,	15505,	15513,	18612,	18856,
7840,	7933,	7944,	15519,	15531,	18857,	18859,
7960,	7964,	9589,	15545,	15580,	18860	
9601,	9613,	9638,	15617,	15646,	\@emptycol	6817, 6820,
9652,	9666,	9757,	15671,	15672,		6836, 6839, 6982,
9871,	9904,	9905,	15846,	15899,		6985, 7001, 7004
9906,	9907,	9938,	15904,	15911,	\@emptytoks	..... 6347
9939,	9940,	9941,	15917,	15941,	\@end@tempboxa	.....
10030,	10062,		15983,	15984,		10926, 10943, 18491
10584,	10599,		15985,	15986,	\@endalgoln	..... 180
10818,	10819,		15987,	15988,	\@endfloatbox	..... 2262
10820,	10821,		15989,	15990,	\@endmodernpoem	...
10822,	11382,		15991,	15992,		..... 5686, 5706
11397,	11412,		15993,	15994,	\@endparenv	.. 5590,
11471,	11509,		16012,	16016,		5793, 13745, 13765
11542,	11573,		16024,	16030,	\@endparpenalty	2054,
11604,	11850,		16042,	16056,		2063, 10093, 10107
12018,	12024,		16113,		\@endpbox	.....
12041,	12043,		16183,	16213,		1631, 1632, 1673,
						1697, 1698, 1699,



6447, 6448, 6449,	\@ff@fbox 10226	\@firstofone
12357, 12363,	\@ff@setoffset . . 10223	. . . . 3130, 3137,
17111, 17150, 18601	\@ffbackground . . . 10213	3143, 3156, 3162,
\@endpfalse 18500	\@filebordercolor .	3690, 11807,
\@endtraditionalpoem	. . . . . 11683, 11685	11808, 11809,
. 5570, 5642	\@filecolor 11701	11810, 13209,
\@ensure@LR 14102, 18362	\@filef@und . . 3220, 3237	15771, 16338, 16970
\@ensure@LTR . . 14100,	\@finalstrut	\@firstoftwo
14102, 14110,	. . . 7999, 8015,	. . . . 2707, 2715,
18360, 18362,	8031, 8045, 8058,	2721, 2725, 2733,
18370, 18372,	8071, 10449,	2739, 2742, 2745,
18374, 19056, 19058	10465, 10480,	2759, 2766, 2932,
\@ensure@RL 14101, 18361	10506, 10519, 10532	2950, 2956, 2980,
\@ensure@RTL . . 14099,	\@firstampfalse . . .	3007, 3037, 3097,
14101, 18359, 18361	. . . . . 1653, 1661	3107, 3228, 13679
\@ensure@dir . . 14103,	\@firstcolfirstmark	\@fivecol@footgroupv@r
14104, 18363, 18364	. . . . . 10029,	. . . . . 8640
\@ensure@maindir . .	10030, 10034,	\@fivecolLTRfootfmt
. 14104, 18364	10061, 10062, 10066	. . 8663, 8684, 8712
\@enumctr . . . 5040, 5041	\@firstcoltopmark .	\@fivecolLTRfootnotetext
\@eqnnum 10114, 11846, 18910	. . . . . 10027,	. . . . . 8635, 8656
\@evenfoot	10035, 10059, 10067	\@fivecolRTLfootfmt
. 1899, 10149, 18854	\@firstcolumnfalse	. . 8673, 8687, 8724
\@evenhead . 10148, 18853	. . . . . 6658,	\@fivecolRTLfootnotetext
\@expandtwoargs . . 3523	6694, 7022,	. . . . . 8636, 8666
\@extrafootnotefeaturesfalse	10021, 10053,	\@fivecolfootfmt . .
. 1826	10173, 10775,	. . 8653, 8681, 8699
\@extrafootnotefeaturestrue	10795, 13234,	\@fivecolfootnotetext
. 1824	13316, 18645, 18663	. . . . . 8634, 8646
\@extrainfo	\@firstcolumntrue .	\@float 3923, 4246
. . 2464, 7120, 7218	6661, 6697, 6976,	\@floatboxreset . . 2260
\@extratitle	10037, 10070,	\@floatpenalty 2203,
. . 15388, 15389,	10137, 10780,	2205, 2208, 4319,
15477, 15501,	10800, 13278,	4321, 4325, 4329,
15502, 15899,	13360, 18647, 18666	4363, 4365, 4369,
15900, 15988,	\@firstdetailselementfalse	4373, 4407, 4409,
16012, 16013,	. . . . . 7199	4413, 4417, 18695,
16574, 16575,	\@firstdetailselementtrue	18697, 18701,
16663, 16687, 16688	. . . . . 7196	18705, 18739,
\@familyname . . 2396,	\@firstfooterelementfalse	18741, 18745, 18749
2398, 2399, 2457,	. . . . 7115, 7116,	\@fltovf 2243,
7094, 7184, 7205	7117, 7118, 7119, 7120	4330, 4374,
\@familynamecolour	\@firstfooterelementtrue	4418, 18706, 18750
. 2426, 2443	. . . . . 7100	\@flushglue . . 5472,
\@fancyfoot 10013	\@firstname . . 2396,	5473, 12434,
\@fancyhead 10008	2398, 2399, 2456,	14249, 14942, 18541
\@fancyvbox 10009, 10014	7094, 7184, 7205	\@fnsymbol . 673, 963,
\@fax . . . 2462, 7118, 7216	\@firstnamecolour .	1022, 1214, 1273,
\@ff@do@allframes .	. . . . . 2425, 2442	1463, 1522, 1923,
. 10158, 10163		5866, 6042, 6179,



7716, 7813, 9916, 14417, 14476, 14556, 14617, 14812, 14855, 15041, 15385, 15449, 15896, 15960, 16571, 16635	\@for 3445, 3506, 3519, 3541, 3545, 4535, 4540, 4554, 4559, 4573, 4578, 4601, 4610, 6638	3569, 3746, 5307, 5372, 10192, 10193, 10194, 13206, 15697, 15699, 15701, 16264, 16266, 16268, 16896, 16898, 16900, 18215, 18258, 18865, 18866, 18867
\@footgroupv@r	\@fourcol@footgroupv@r 8491	\@gobbletwo
8124, 8173, 8200, 8349, 8491, 8640, 8789, 8938, 9087, 9236, 9385, 9576	\@fourcollTRfootfmt . . . 8514, 8535, 8563	. . . 2688, 2689, 2692, 2693, 11894
\@footnote 5134	\@fourcollTRfootnotetext 8486, 8507	\@gtempa 2783, 2784
\@footnotemark 2170, 2178, 2186, 4646, 4736, 4743, 4765, 4772, 4794, 4801, 5624, 5631, 5638, 10415, 10421, 10424, 10430, 11423, 11612, 11616, 11630, 11631	\@fourcolRTLfootfmt . . . 8524, 8538, 8575	\@halignto 613, 628, 17109, 17148, 18388, 18599, 18612
\@footnotetext . . 34, 76, 147, 148, 149, 243, 285, 2126, 2249, 4667, 4736, 4743, 5487, 5498, 5711, 5725, 7237, 7238, 7986, 8073, 8080, 8194, 8343, 8485, 8634, 8783, 8932, 9081, 9230, 9379, 9570, 10437, 10491, 10547, 11293, 11301, 11372, 11420, 11613, 11617, 11633, 11634, 12401, 12484, 13566, 13567, 13568, 15317, 15320, 15696, 15697, 15707, 15828, 15831, 16263, 16264, 16274, 16503, 16506, 16895, 16896, 16906, 17180, 17197	\@fourcolRTLfootnotetext 8487, 8517	\@hangfrom . . . 15724, 15736, 15738, 16291, 16303, 16305, 16923, 16935, 16937, 18565
\@footstartv@r . . . 8124	\@fourcolfootfmt 8504, 8532, 8550	\@height
	\@fourcolfootnotetext 8485, 8497	. 608, 1711, 6461, 10728, 12371, 12406, 12454, 15363, 15370, 15874, 15881, 16549, 16556, 17075, 17104, 17146, 18594, 18819
	\@fps 2191, 2192, 2194, 2197, 2214	\@highpenalty . 5773, 5789, 5796, 5806, 5949, 5965, 5972, 5982, 6235, 6250, 6260, 7869, 9805, 9820, 9830, 14328, 14344, 14351, 14361, 14699, 14715, 14722, 14732, 14914, 14928, 14938, 15097, 15112, 15122, 15566, 16052, 16073, 16079, 16100, 16108, 16132, 16727, 16748, 16756, 16780, 17457, 17492
	\@fpsadddefault 2195, 2198	
	\@freelist	
	2210, 4171, 4212, 4327, 4328, 4371, 4372, 4415, 4416, 9756, 18703, 18704, 18747, 18748, 18780, 18781	
	\@fs@capt 4260, 4273, 4281	
	\@fs@cfont . . . 4253, 4259, 4269, 4272, 4280, 10118, 10119	
	\@fs@iftopcapt	
	. . . 4264, 4277, 4290	
	\@fs@mid 4263, 4276, 4288	
	\@fs@post 4262, 4275, 4289	
	\@fs@pre 4261, 4274, 4282	
	\@g@tnextcol 10135	
	\@getcirc 9991	
	\@gnewline . . . 14191, 14204, 14217, 14228	
	\@gobble 2106, 2617, 2641, 2663, 2668, 3060, 3061, 3062, 3063, 3064, 3132, 3145, 3149, 3176, 3190, 3202, 3216, 3434,	



\@hintcolour . 2433, 2449	10898, 11620,	19040, 19041,
\@holdpg . 6747, 6753,	11644, 13578,	19042, 19043,
6760, 6771, 6781,	13749, 13769,	19044, 19045,
6881, 6882, 6884,	18208, 18251,	19046, 19047,
6887, 6891, 6896,	18415, 18708, 18752	19048, 19049,
6901, 6905, 6913,	\@ifpackagelater . .	19050, 19051, 19053
6925, 6938, 6945	. 3730, 3735, 10284	\@ifpackagewith . . .
\@hyper@launch . . . 11706	\@ifpackageloaded .	. . . 6615, 17386,
\@idxitem 98,	1670, 2993, 3394,	18956, 18959,
103, 228, 233,	3454, 3689, 3707,	18960, 18961,
822, 837, 1085,	3729, 3734, 4239,	19010, 19020, 19026
1336, 5098, 5105,	4244, 4297, 7569,	\@ifstar . 2917, 3320,
5748, 5924, 6134,	7570, 8177, 9544,	3365, 3407, 3499,
14285, 14539,	11417, 11437,	4089, 7573, 10901
14997, 17437, 18920	11515, 11814,	\@iftagsloaded . . .
\@ifclasslater 3732, 3737	12151, 13185,	. 2677, 18948, 18949
\@ifclassloaded 3352,	15779, 16346,	\@iftexfileloaded .
3731, 3736, 3767,	16978, 17362,	2679, 19004, 19005
5147, 5149, 6136,	18389, 18909,	\@ifundefined
8086, 10235,	18934, 18944,	. 332, 333, 2553,
10248, 18922,	18947, 18951,	3309, 3313, 3463,
18923, 18924,	18952, 18953,	3556, 3779, 3781,
18925, 18926,	18954, 18955,	4469, 4477, 4480,
18927, 18928,	18962, 18963,	4482, 4961, 4969,
18929, 18930,	18964, 18965,	5084, 5086, 5091,
18931, 18932,	18966, 18967,	5181, 5198, 6476,
18933, 18934,	18968, 18969,	6483, 6491, 6497,
18935, 18936,	18970, 18971,	10121, 10331,
18937, 18938,	18972, 18973,	11817, 11818,
18939, 18940,	18974, 18975,	11990, 12040,
18941, 18942,	18976, 18977,	12042, 12046,
18943, 18944,	18978, 18979,	13826, 17676, 17680
18945, 18946,	18980, 18981,	\@ifundefinedmodel
18971, 19050, 19051	18982, 18983,	. . . . . 18241, 18275
\@ifdefinable . 2771,	18984, 18985,	\@ifxempty 18301
2774, 2777, 2786,	18986, 18987,	\@ignoretrue 6369
2810, 2825, 10338	18988, 18989,	\@iiiminipage 10534
\@ifdefinitionfileloaded	18990, 18991,	\@iiiparbox
. 2678, 19052	18992, 18993,	. 8161, 10565, 18472
\@ifempty 7, 208	18994, 18995,	\@indextitlestyle .
\@ifl@aded	18996, 18997,	. . . . . 96, 226
. . 2677, 2678, 2679	18998, 18999,	\@inlabelfalse . . . 6336
\@ifnextchar 159, 625,	19000, 19001,	\@insertfalse 6738, 6846
2074, 2104, 2119,	19002, 19003,	\@inserttrue . 6811, 6975
2283, 2800, 3321,	19006, 19007,	\@iprintcites 14183
3322, 3366, 3367,	19008, 19009,	\@itemfudge 18829, 18831
3411, 4332, 4376,	19032, 19033,	\@itemlabel 18435
4420, 6474, 6489,	19034, 19035,	\@ixpt 4998
10413, 10422,	19036, 19037,	\@keywords 326
10571, 10586,	19038, 19039,	\@kludgeins 9760



<code>\@komalongtablefalse</code>	<code>\@loadwithoptions .</code>	5863, 6039, 6181,
15779, 16346, 16978	.. 3244, 3246, 3253	7718, 7815, 7997,
<code>\@lastchclass</code>	<code>\@lowertitleback . .</code>	8013, 8029, 8043,
..... 573, 574,	..... 15427,	8056, 8069, 9918,
575, 576, 578,	15482, 15938,	10448, 10464,
1594, 1595, 1596,	15993, 16613, 16668	10479, 10505,
1597, 1599, 1638,	<code>\@lowpenalty 2050, 17757</code>	10518, 10531,
1639, 1651, 1659,	<code>\@m 89, 298, 805,</code>	10823, 13092,
17235, 17236,	936, 1198, 1447,	14414, 14479,
17237, 17238,	5830, 6017, 6328,	14553, 14620,
17240, 18613, 18614	7666, 7939, 9874,	14815, 14858,
<code>\@lastvipertrue 6822,</code>	10777, 10797,	15043, 15333,
6841, 6987, 7006	13678, 14390,	15844, 16394, 16519
<code>\@latex@error</code>	14783, 14979,	<code>\@makeother . . 2916,</code>
... 2596, 3428,	15181, 15650,	2962, 3071, 3079
13205, 13421, 13427	16217, 16849, 17381	<code>\@makeschapterhead</code>
<code>\@latex@warning . 91,</code>	<code>\@mainmatterfalse .</code>	5744, 5920, 6108,
300, 807, 938,	..... 5334,	6129, 6297, 7908,
1200, 1449, 2582,	5364, 6311, 7922	9845, 14281,
5832, 6019, 6330,	<code>\@mainmattertrue . .</code>	14535, 14992,
7668, 7941, 9876,	..... 5331, 5347	15157, 17408, 17413
14392, 14785,	<code>\@makecaption</code>	<code>\@makespecialcolbox 9761</code>
14981, 15183,	... 4084, 6422,	<code>\@maketitle 116, 318,</code>
15654, 15661,	13142, 13192,	322, 680, 682,
16221, 16228,	13224, 15765,	687, 696, 706,
16853, 16860, 17383	16332, 16964, 18895	1029, 1031, 1036,
<code>\@latex@warning@no@line</code>	<code>\@makechapterhead .</code>	1043, 1053, 1280,
... 6815, 6833,	..... 303, 6088,	1282, 1287, 1294,
6980, 6998, 18795	6283, 7893, 9833,	1304, 1529, 1531,
<code>\@latexbug 18781</code>	14174, 15145, 17402	1536, 1543, 1553,
<code>\@leftcolumn . . 6659,</code>	<code>\@makecol 2322, 2334, 9800</code>	1928, 1934, 6186,
6665, 6695, 6701,	<code>\@makefnmark . . . 674,</code>	6188, 6193, 6202,
6854, 6882, 6888,	1023, 1523, 1924,	6212, 7723, 7725,
6897, 10022,	4642, 4653, 6180,	7730, 7737, 7747,
10041, 10054,	7242, 7263, 7717,	7820, 7822, 7827,
10073, 10776,	7814, 9917, 13090,	7836, 7846, 9923,
10783, 10796,	14477, 14618,	9925, 9930, 9937,
10805, 13235,	14813, 14856,	9947, 13095,
13279, 13291,	15042, 15386,	13097, 13104,
13317, 13361,	15387, 15450,	14483, 14485,
13369, 18646,	15451, 15897,	14490, 14497,
18651, 18664, 18670	15898, 15961,	14507, 14624,
<code>\@let@token . 2654, 2657</code>	15962, 16572,	14626, 14631,
<code>\@letrine 11872</code>	16573, 16636, 16637	14640, 14650,
<code>\@listI 3793</code>	<code>\@makefntext . 44, 57,</code>	14867, 14869,
<code>\@listdepth</code>	72, 253, 266, 280,	14874, 14883,
.. 10397, 10550,	675, 960, 1025,	14893, 15048,
10752, 10756,	1211, 1274, 1460,	15050, 15055,
18426, 18429, 18434	1525, 1925, 4640,	15064, 15074,
<code>\@listi 3793, 3801, 5002</code>	4678, 4695, 4712,	15454, 15456,



15461, 15471, 15496, 15965, 15967, 15972, 15982, 16007, 16640, 16642, 16647, 16657, 16682	\@minus .. 2500, 2585, 3789, 3791, 3798, 3800, 3802, 3803, 4999, 5001, 5003, 5004, 10666, 10704, 13675, 17040	\@mpheightcolfootnotetext 9088, 9137 \@mpfivecolfootgroupv@r 8645 \@mpfivecolLTRfootnotetext 8642, 8702 \@mpfivecolRTLfootnotetext 8643, 8715 \@mpfivecolfootnotetext 8641, 8690 \@mpfn 2145, 2148, 2151, 2167, 2175, 2183, 4734, 4740, 4763, 4769, 4792, 4798, 5601, 5604, 5607, 5621, 5628, 5635, 10413, 10418, 10422, 10427, 10546, 10576, 10591, 11298, 11309, 11320, 11520, 11551, 11582, 11645, 12481, 17222, 17229 \@mpfootins .. 8035, 8036, 8048, 8049, 8061, 8062, 8142, 8151, 8152, 8155, 10497, 10498, 10510, 10511, 10523, 10524, 10556, 10557, 10560, 12470, 12475 \@mpfootinsv@r 8141, 8174, 8251, 8252, 8263, 8264, 8276, 8277, 8397, 8398, 8408, 8409, 8420, 8421, 8542, 8543, 8554, 8555, 8567, 8568, 8691, 8692, 8703, 8704, 8716, 8717, 8840, 8841, 8852, 8853, 8865, 8866, 8989, 8990, 9001, 9002, 9014, 9015, 9138, 9139, 9150, 9151, 9163, 9164, 9287, 9288, 9299,
\@maketitle@hook ... 114 \@makewincaption . 13917 \@marbox . 4328, 4330, 4334, 4338, 4339, 4372, 4374, 4378, 4382, 4383, 4416, 4418, 4422, 4426, 4427, 18704, 18706, 18710, 18714, 18715, 18748, 18750, 18754, 18758, 18759, 18780, 18790, 18793, 18801, 18803, 18804, 18806, 18807, 18808, 18817, 18821, 18822	\@mkboth ... 791, 818, 834, 925, 1082, 1187, 1333, 1436, 5745, 5819, 5921, 6006, 6130, 6314, 7655, 7925, 9863, 14282, 14379, 14536, 14772, 14965, 14993, 15167 \@mklab 18436 \@mkpream 612, 12376, 17107, 17140, 18597 \@mobile 2460, 7116, 7214 \@modernpoem . 5662, 5706 \@mpLTRfootnotetext 8047, 8077, 8084, 8202, 8351, 8493, 8642, 8791, 8940, 9089, 9238, 9387, 9578, 10508, 10548, 11323, 11338, 11361, 11425, 12485 \@mpRTLfootnotetext 8060, 8078, 8085, 8203, 8352, 8494, 8643, 8792, 8941, 9090, 9239, 9388, 9579, 10495, 10549, 11312, 11337, 11350, 11426, 12486 \@mparbottom .. 2307, 18791, 18799, 18800, 18801, 18802 \@mpargs 8161, 10540, 10565 \@mparswitchfalse 3763 \@mparswitchtrue . 3758 \@mpheightcol@footgroupv@r 9092 \@mpheightcolLTRfootnotetext 9089, 9149 \@mpheightcolRTLfootnotetext 9090, 9162	
\@mathmargin .. 7525, 7532, 7540, 7547 \@mathsemicolon 180, 199 \@maxdepth 8122, 9772, 9799 \@mentempa ... 13142, 13144, 13158, 13165, 13169, 13174 \@menubordercolor 11777, 11779 \@menucolor 11788 \@midlist ... 9756, 9757 \@minipagefalse 2264, 4349, 4358, 4393, 4402, 4437, 4446, 8158, 10562, 12010, 13198, 15755, 16322, 16954, 18725, 18734, 18769, 18778, 18901 \@minipagerestore 10551 \@minipagetrue 4357, 4401, 4445, 18733, 18777		



9300, 9312, 9313, 9436, 9437, 9448, 9449, 9461, 9462, 9637, 9639, 9651, 9653, 9665, 9667	\@mpsixcolLTRfootnotetext 8791, 8851 \@mpsixcolRTLfootnotetext 8792, 8864 \@mpsixcolfootnotetext 8790, 8839 \@mptencol@footgroupv@r 9390 \@mptencolLTRfootnotetext 9387, 9447 \@mptencolRTLfootnotetext 9388, 9460 \@mptencolfootnotetext 9386, 9435 \@mpthreecol@footgroupv@r 8354 \@mpfourcolLTRfootnotetext 8493, 8553 \@mpfourcolRTLfootnotetext 8494, 8566 \@mpfourcolfootnotetext 8492, 8541 \@mplistdepth 10397, 10550 \@mpninecol@footgroupv@r 9241 \@mpninecolLTRfootnotetext 9238, 9298 \@mpninecolRTLfootnotetext 9239, 9311 \@mpninecolfootnotetext 9237, 9286 \@mppara@footgroupv@r 9581 \@mpparaLTRfootnotetext 9578, 9650 \@mpparaRTLfootnotetext 9579, 9664 \@mpparafootnotetext 9577, 9636 \@mpsevencol@footgroupv@r 8943 \@mpsevencolLTRfootnotetext 8940, 9000 \@mpsevencolRTLfootnotetext 8941, 9013 \@mpsevencolfootnotetext 8939, 8988 \@mpsixcol@footgroupv@r 8794	\@mpsixcolLTRfootnotetext 8791, 8851 \@mpsixcolRTLfootnotetext 8792, 8864 \@mpsixcolfootnotetext 8790, 8839 \@mptencol@footgroupv@r 9390 \@mptencolLTRfootnotetext 9387, 9447 \@mptencolRTLfootnotetext 9388, 9460 \@mptencolfootnotetext 9386, 9435 \@mpthreecol@footgroupv@r 8354 \@mpthreecolLTRfootnotetext 8351, 8407 \@mpthreecolRTLfootnotetext 8352, 8419 \@mpthreecolfootnotetext 8350, 8396 \@mptwocol@footgroupv@r 8205 \@mptwocolLTRfootnotetext 8202, 8262 \@mptwocolRTLfootnotetext 8203, 8275 \@mptwocolfootnotetext 8201, 8250 \@namedef 3313, 3464, 5659, 8163, 8193, 8298, 8299, 8327, 8332, 8337, 8342, 8441, 8442, 8474, 8479, 8484, 8589, 8590, 8618, 8623, 8628, 8633, 8738, 8739, 8767, 8772, 8777, 8782, 8887, 8888, 8916, 8921, 8926, 8931, 9036, 9037, 9065, 9070, 9075, 9080, 9185, 9186, 9214, 9219, 9224, 9229, 9334, 9335, 9363, 9368, 9373, 9378, 9483, 9484, 9512, 9517, 9522, 9569,	9689, 9690, 9691, 9734, 9741, 9748, 17691, 17730, 17731, 17732, 17733, 17734, 17735, 17736, 17737, 17738, 17739 \@nameuse 3310, 5657, 7455, 7505, 7508, 7554, 8295, 8297, 8298, 8299, 8304, 8306, 8309, 8311, 8316, 8317, 8319, 8322, 8324, 8329, 8330, 8334, 8335, 8339, 8340, 8438, 8440, 8441, 8442, 8447, 8449, 8452, 8454, 8458, 8459, 8461, 8464, 8466, 8471, 8472, 8476, 8477, 8481, 8482, 8586, 8588, 8589, 8590, 8595, 8597, 8600, 8602, 8607, 8608, 8610, 8613, 8615, 8620, 8621, 8625, 8626, 8630, 8631, 8735, 8737, 8738, 8739, 8744, 8746, 8749, 8751, 8756, 8757, 8759, 8762, 8764, 8769, 8770, 8774, 8775, 8779, 8780, 8884, 8886, 8887, 8888, 8893, 8895, 8898, 8900, 8905, 8906, 8908, 8911, 8913, 8918, 8919, 8923, 8924, 8928, 8929, 9033, 9035, 9036, 9037, 9042, 9044, 9047, 9049, 9054, 9055, 9057, 9060, 9062, 9067, 9068, 9072, 9073, 9077, 9078, 9182, 9184, 9185, 9186, 9191, 9193, 9196,
--	--	---	--



9198, 9203, 9204, 9206, 9209, 9211, 9216, 9217, 9221, 9222, 9226, 9227, 9331, 9333, 9334, 9335, 9340, 9342, 9345, 9347, 9352, 9353, 9355, 9358, 9360, 9365, 9366, 9370, 9371, 9375, 9376, 9480, 9482, 9483, 9484, 9489, 9491, 9494, 9496, 9501, 9502, 9504, 9507, 9509, 9514, 9515, 9519, 9520, 9524, 9525, 9686, 9688, 9689, 9690, 9691, 9695, 9702, 9704, 9707, 9710, 9715, 9716, 9718, 9721, 9724, 9731, 9732, 9735, 9738, 9742, 9745, 9753, 10141, 15558, 15596, 16069, 16096, 16128, 16140, 16156, 16164, 16172, 16744, 16776, 17420, 17692, 17693, 17694, 17697, 17700, 17705, 17706, 17711, 17715, 17716, 17718, 17719, 17721, 17722, 17724, 17725, 17727, 17728, 17735, 17740, 17741, 18243, 18277, 18848	1646, 2220, 2275, 3671, 3680, 6185, 6626, 7722, 7819, 9922, 10496, 10509, 10522, 10766, 11654, 11659, 11974, 11986, 11994, 12378, 13094, 13171, 13397, 13748, 13768, 14482, 14623, 14819, 14862, 14866, 15047, 15339, 15453, 15850, 15964, 16399, 16525, 16639, 17170, 17174, 17235, 17244, 17251, 17532, 18157, 18429, 18470, 18507, 18509, 18510, 18511, 18516, 18518, 18519, 18520, 18525, 18527, 18528, 18529, 18534, 18536, 18537, 18538, 18616, 18618, 18781	6449, 17241, 17243, 17244, 17245, 17246, 17247, 17248, 17249, 17251, 17252, 17253, 17254, 17255, 17258, 17259, 17260 \@nil 1682, 1683, 1685, 1686, 6436, 7285, 7342, 11820, 11829, 11831, 11843, 17336 \@ninecol@footgroupv@r 9236 \@ninecolLTRfootfmt .. 9259, 9280, 9308 \@ninecolLTRfootnotetext 9231, 9252 \@ninecolRTLfootfmt .. 9269, 9283, 9320 \@ninecolRTLfootnotetext 9232, 9262 \@ninecolfootfmt 9249, 9277, 9295 \@ninecolfootnotetext 9230, 9242 \@nmbulistfalse .. 18437 \@nobreakfalse . 740, 891, 1134, 1372, 5783, 5959, 6245, 7878, 9815, 14338, 14709, 14923, 15107, 15564, 17479, 17483 \@nobreaktrue .. 739, 890, 1133, 1371, 5782, 5958, 6244, 7877, 9814, 14337, 14708, 14922, 15106, 15563, 17478, 17482 \@nocnterr 333 \@nocounterr 332 \@nodocument 2189 \@noitemerr 91, 300, 806, 937, 1199, 1448, 2582, 5831, 6018, 6329, 7667, 7940,
\@ne 133, 138, 468, 472, 488, 547, 551, 567, 573, 582, 585, 679, 1028, 1279, 1528, 1594, 1603, 1606, 1607, 1608, 1641, 1644, 1645,	\@newlistfalse 10185, 18839 \@next 2210, 4327, 4328, 4371, 4372, 4415, 4416, 18703, 18704, 18747, 18748, 18780 \@nextchar 579, 581, 582, 583, 585, 586, 587, 588, 589, 592, 593, 594, 1600, 1602, 1603, 1604, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1615, 1616, 1617, 1629, 1631, 1632, 1697, 1698, 1699, 6447, 6448,	



9875, 13685,	10163, 10202,	\@paraLTRfootnotetext
14391, 14784,	10776, 10781,	..... 9571, 9600
14980, 15182,	10786, 10796,	\@paraRTLfootfmt ..
15653, 15660,	10801, 10808,	.. 9621, 9632, 9675
16220, 16227,	13235, 13254,	\@paraRTLfootnotetext
16852, 16859, 17382	13279, 13282,	..... 9572, 9612
\@normalcr 12437	13284, 13294,	\@parafootRTLfalse 7985
\@notprerr .. 3132, 3145	13317, 13336,	\@parafootRTLtrue 7984
\@nx 120, 121, 336	13361, 13364,	\@parafootfmt
\@nxtcol	13366, 13374,	.. 9597, 9624, 9647
.. 10133, 10135, 10176	18646, 18648,	\@parafootnotetext
\@oddfoot 1894, 10146,	18653, 18664,	..... 9570, 9588
10153, 18851, 18860	18667, 18675, 18882	\@parboxrestore 41, 54,
\@oddhead 10145,	\@outputdblcol 10132,	69, 250, 263, 277,
10152, 18851, 18859	18689, 18690, 18691	2259, 4078, 4346,
\@oldmakefnmark ...	\@outputpage .. 2323,	4390, 4434, 6374,
..... 15386,	2335, 6678,	8038, 8051, 8064,
15387, 15450,	6681, 6718, 6723,	8137, 8255, 8267,
15451, 15897,	10046, 10049,	8280, 8320, 8401,
15898, 15961,	10080, 10084,	8412, 8424, 8462,
15962, 16572,	10160, 10164,	8546, 8558, 8571,
16573, 16636, 16637	10169, 10180,	8611, 8695, 8707,
\@onefilewithoptions	10787, 10791,	8720, 8760, 8844,
.. 3260, 3261, 3268	10811, 10815,	8856, 8869, 8909,
\@onelevel@sanitize 2192	13299, 13304,	8993, 9005, 9018,
\@onlypreamble	13378, 13383,	9058, 9142, 9154,
.. 3483, 3493, 3497	18656, 18659,	9167, 9207, 9291,
\@openbib@code	18679, 18684, 18834	9303, 9316, 9356,
..... 797, 931,	\@ovbtrue 9980	9440, 9452, 9465,
1193, 1442, 2575,	\@ovdx 9993, 10001	9505, 9642, 9656,
2586, 5825, 6012,	\@ovdy 9994, 10002	9670, 9719, 10185,
6320, 7661, 7931,	\@ovhorz ... 9999, 10000	10443, 10459,
9869, 14385,	\@ovltrue 9980	10474, 10501,
14778, 14971,	\@ovri 9992	10514, 10527,
15173, 15636,	\@ovro 9992, 10001, 10002	10545, 13219,
16203, 16835, 17373	\@ovrtrue 9980	13396, 18478,
\@otarlinesep 17130, 17136	\@ovttrue 9980	18722, 18766, 18840
\@outerparskip 5587, 5700	\@ovvert 9997, 9998	\@parboxto . 18481, 18488
\@outputbox .. 6659,	\@ovxx ... 9982, 9983,	\@parmoderr .. 2208,
6662, 6667,	9986, 9993, 9998,	4324, 4368,
6672, 6674, 6695,	9999, 10003, 10004	4412, 18700, 18744
6698, 6706, 6711,	\@ovyy ... 9984, 9985,	\@part 770, 7626
6713, 8121, 8123,	9986, 9994, 10000	\@pboxswfalse
9763, 9765, 9766,	\@pagedp ... 18809, 18819	..... 10536, 18474
9771, 9784, 9786,	\@pageht 6739,	\@pboxswtrue 18486
9791, 10022,	6848, 18792, 18799	\@pdfm@mark
10025, 10038,	\@para@footgroupv@r	... 11661, 11677,
10043, 10054,	..... 9576	11711, 11742, 11771
10057, 10071,	\@paraLTRfootfmt ..	\@pdfremotestartview
10077, 10158,	.. 9609, 9628, 9661	..... 11692



\@phone . 2461, 7117, 7215	16080, 16110,	16088, 16089,
\@photo . . 2466, 7090,	16245, 16250,	16095, 16119,
7092, 7221, 7223	16547, 16554,	16120, 16127,
\@photowidth . . 2465,	16578, 16601,	16736, 16737,
2466, 7092, 7188	16619, 16690,	16743, 16767,
\@pkgextension 3288,	16715, 16728,	16768, 16775,
3299, 3363, 3372,	16758, 16877,	17343, 17352,
3380, 3383, 3391	16882, 17039,	17354, 17741,
\@plus . . . 24, 99, 229,	17287, 17316,	17855, 17960, 18641
730, 747, 821,	17436, 17711,	\@preamble 613,
836, 865, 868,	17764, 17948, 18629	614, 624, 626,
881, 899, 906,	\@pnumwidth 13,	1654, 1662, 12382,
1084, 1091, 1094,	15, 214, 216,	17108, 17110,
1107, 1124, 1142,	733, 734, 736,	17117, 17148,
1335, 1346, 1349,	750, 751, 755,	17149, 17157,
1362, 1380, 1388,	884, 885, 887,	18598, 18600, 18609
2500, 2585, 3789,	909, 910, 914,	\@preameightfmt . . .
3790, 3791, 3798,	1110, 1111, 1115,	. . . . 9123, 9129,
3799, 3800, 3802,	1127, 1128, 1130,	9132, 9135, 9215
3803, 4999, 5000,	1365, 1366, 1368,	\@preamerr
5001, 5003, 5004,	1391, 1392, 1396,	595, 1618, 1648,
5070, 5747, 5758,	5777, 5778, 5780,	17261, 18607, 18620
5761, 5774, 5790,	5800, 5801, 5805,	\@preamfivefmt
5797, 5923, 5934,	5953, 5954, 5956,	. . . 8676, 8682,
5937, 5950, 5966,	5976, 5977, 5981,	8685, 8688, 8768
5973, 6133, 6236,	6239, 6240, 6242,	\@preamfntext
6251, 7602, 7616,	6254, 6255, 6259,	. . . 7992, 8008,
7870, 9626, 9630,	6511, 6516, 6517,	8024, 8132, 8209,
9634, 9730, 9806,	7605, 7606, 7610,	8219, 8229, 8307,
9821, 10666,	7619, 7620, 7622,	8358, 8367, 8376,
10704, 13448,	7872, 7873, 7875,	8450, 8500, 8510,
13460, 13675,	9809, 9810, 9812,	8520, 8598, 8649,
14284, 14313,	9824, 9825, 9829,	8659, 8669, 8747,
14316, 14329,	13468, 14332,	8798, 8808, 8818,
14345, 14352,	14333, 14335,	8896, 8947, 8957,
14538, 14684,	14355, 14356,	8967, 9045, 9096,
14687, 14700,	14360, 14703,	9106, 9116, 9194,
14716, 14723,	14704, 14706,	9245, 9255, 9265,
14915, 14929,	14726, 14727,	9343, 9394, 9404,
14996, 15098,	14731, 14917,	9414, 9492, 9592,
15113, 15361,	14918, 14920,	9604, 9616, 9705
15368, 15392,	14932, 14933,	\@preamfourfmt
15415, 15433,	14937, 15101,	. . . 8527, 8533,
15504, 15529,	15102, 15104,	8536, 8539, 8619
15542, 15577,	15116, 15117,	\@preamninefmt
15678, 15683,	15121, 15550,	. . . 9272, 9278,
15872, 15879,	15551, 15557,	9281, 9284, 9364
15903, 15926,	15586, 15587,	\@preamsevenfmt . . .
15944, 16015,	15594, 16061,	. . . 8974, 8980,
16040, 16053,	16062, 16068,	8983, 8986, 9066



\@preamsixfmt	16426, 16427,	\@rjfieldfalse . . . 18827
... 8825, 8831,	16428, 16429, 16430	\@runbordercolor . .
8834, 8837, 8917	\@regtocline 862, 900,	... 11717, 11719
\@preamtenfmt	917, 1088, 1118,	\@runcolor 11733
... 9421, 9427,	1143, 1343, 1381,	\@s@size 17143
9430, 9433, 9513	1399, 5755, 5791,	\@s@bidi@AfterClass
\@preamthreelfmt . . .	5809, 5931, 5967,	... 3320,
... 8382, 8388,	5985, 14310,	3329, 3341, 3350
8391, 8394, 8470	14346, 14364,	\@s@bidi@AfterPackage
\@preamtwofmt	14681, 14717, 14735	... 3365,
... 8236, 8242,	\@rememsize 17140, 17143	3373, 3384, 3392
8245, 8248, 8328	\@removefromreset .	\@sarray 17101
\@printcites 14185	... 13694, 13696	\@savemarbox 18821
\@pstrickserr 14139	\@reqcolroom	\@secondoftwo
\@ptsize . 2364, 2365,	6739, 6740, 6741,	2709, 2718, 2727,
2366, 2367, 2374	6742, 6802, 6847,	2736, 2742, 2745,
\@publisher . 5162, 5215	6848, 6849, 6850,	2756, 2761, 2768,
\@publishers	6851, 6852, 6966	2923, 2933, 2934,
... 15416, 15480,	\@resetactivechars	2935, 2936, 2942,
15530, 15927,	... 10183, 18837	2951, 2957, 2981,
15991, 16041,	\@resetdyn@mics . . 10171	3009, 3037, 3086,
16602, 16666, 16716	\@resetst@tics . . . 10170	3098, 3099, 3108,
\@quote . . 2467, 7096,	\@restonecolfalse .	3225, 3353, 3395
7098, 7225, 7227	94, 224, 811, 827,	\@secpenalty
\@quotebox 14184	1075, 1326, 5738,	... 5, 206, 729,
\@quotecolour	5914, 6123, 14275,	746, 880, 898,
... 2429, 2446, 2556	14529, 14986, 17394	905, 1106, 1123,
\@r@m@size 17143	\@restonecoltrue . .	1141, 1361, 1379,
\@raggedtwoe@everyselectfont	94, 224, 813, 829,	1387, 7601, 7615,
... 14198,	1077, 1328, 5740,	15541, 15575,
14211, 14224, 14235	5916, 6125, 14277,	17328, 17459, 17514
\@raggedtwoe@gnewline	14531, 14988, 17396	\@sectiontitlecolour
... 14191, 14204, 14217	\@resumename . 2399, 2455	... 2430, 2447
\@raggedtwoe@raggedrightboxes@opt	\@revlabeltrue . 961,	\@seesize . . 17140, 17143
... 14237, 14266	1212, 1461, 5864,	\@setcol 10177
\@raggedtwoe@samed@gnewline	6040, 14415, 14554	\@setcolbox 10138, 10174
... 14228	\@rightcolumn . 13246,	\@setcopyright 108
\@raggedtwoe@samedcr	13251, 13252,	\@setfontsize . 3788,
... 14188,	13261, 13262,	3797, 4998, 5008,
14201, 14214, 14227	13270, 13274,	5009, 5010, 5011,
\@raggedtwoe@spaceskipfalse	13280, 13328,	5012, 5013, 5014
... 14234	13333, 13334,	\@setfpsbit
\@raggedtwoe@spaceskiptrue	13343, 13344,	... 2224, 2227, 2230
14197, 14210, 14223	13352, 13356, 13362	\@setmarks . . . 10031,
\@rc@ifdefinable . .	\@rightskip	10033, 10046,
... 2786, 2825	... 12433, 14193,	10063, 10065, 10079
\@reffalse 16422	14194, 14206,	\@setminipage . 4080,
\@reftrue 16423,	14207, 14219,	10552, 10760, 13221
16424, 16425,	14220, 14230,	\@setpar 14816,
	14231, 14248, 18541	14859, 15336,



15343, 15847, 15854, 16396, 16401, 16522, 16529	\@startdblcolumn .. 6679, 6681, 6721, 6724, 10047, 10049, 10083, 10084, 10167, 10169, 10789, 10791, 10813, 10815, 13302, 13305, 13381, 13384, 18657, 18659, 18682, 18685	\@tabclassz .. 1659, 2137, 12360, 17095, 18400, 18584
\@settab 5667	\@startfield 5709	\@tabcr 5670, 5680
\@sevendcol@footgroupv@r 8938	\@startpbox ... 1631, 1632, 1697, 1698, 1699, 6447, 6448, 6449, 12361, 12362, 12368, 17111, 17150, 18601	\@tabminus 5668
\@sevendcolLTRfootfmt .. 8961, 8982, 9010	\@stopfield 5674, 5689, 5693, 5721, 18827	\@tabplus 5667
\@sevendcolLTRfootnotetext 8933, 8954	\@stopline . 5693, 18827	\@tabular 597, 2124, 18581
\@sevendcolRTLfootfmt .. 8971, 8985, 9022	\@strip 13393	\@tabularcr 2138, 12364, 17096, 18401, 18585
\@sevendcolRTLfootnotetext 8934, 8964	\@subjclass 326	\@tagsextension 2674, 2677
\@sevendcolfootfmt .. 8951, 8979, 8997	\@subject 15400, 15401, 15479, 15513, 15514, 15911, 15912, 15990, 16024, 16025, 16586, 16587, 16665, 16699, 16700	\@tarlinesep .. 17136, 17137, 17138, 17139, 17142, 17144
\@sevendcolfootnotetext 8932, 8944	\@subsectioncolour 2432, 2448	\@temp@bibkey . 4535, 4554, 4573, 4601
\@sharp 620, 1656, 1657, 1658, 1664, 1665, 1666, 11820, 11826, 12374, 17113, 17149, 17155, 18604	\@subtitle 15406, 15476, 15519, 15917, 15987, 16030, 16592, 16662, 16705	\@temp@bibkeyx 4540, 4541, 4543, 4544, 4545, 4546, 4559, 4560, 4562, 4563, 4564, 4565, 4578, 4579, 4581, 4582, 4583, 4584, 4610, 4611, 4613, 4614, 4615, 4616
\@sixcol@footgroupv@r 8789	\@tabacol 2136, 12359, 17094, 18399, 18583	\@temp@last@bibkey 4534, 4535, 4541, 4553, 4554, 4560, 4572, 4573, 4579, 4600, 4601, 4611
\@sixcolLTRfootfmt .. 8812, 8833, 8861	\@tabarray . 601, 625, 629, 2138, 12346, 12348, 18394, 18401, 18585, 18612	\@tempa 119, 122, 129, 130, 131, 132, 1008, 1010, 1012, 1016, 1259, 1261, 1263, 1267, 1508, 1510, 1512, 1516, 2590, 2591, 2594, 3778, 3779, 3781, 3783, 4479, 4480, 4482, 4484, 9981, 10863, 10864, 10865, 10866, 10903, 10906, 10907, 10913, 10924, 10925, 10931, 10936, 10937, 10939, 10942, 10979, 10980, 10981,
\@sixcolRTLfootfmt .. 8822, 8836, 8873	\@tabclassiv 2138, 12360, 17096, 18401, 18585	
\@sixcolRTLfootnotetext 8785, 8815		
\@sixcolfootfmt 8802, 8830, 8848		
\@sixcolfootnotetext 8783, 8795		
\@skip@bove 17134, 17136		
\@spaces 17172, 17213, 17218		
\@spart 7645		
\@specialpagefalse 10140, 18848		
\@specialstyle 10141, 18848		
\@stabarray 17096		
\@stabular 17092		
\@star@or@long 2781, 2795, 2819, 2830		



10982,	11439,	10655,	10665,	\@tempcnta	1622, 1681,
11443,	11446,	10668,	10672,		1682, 1683, 1685,
11458,	11477,	10674,	10680,		1686, 2212, 2218,
11481,	11484,	10714,	10716,		2220, 2233, 2234,
11496,	12408,	10722,	10735,		2240, 2241, 6434,
12409,	12411,	10739,	10740,		6436, 7283, 7340,
12412,	13697,	10925,	10942,		11941, 11943,
13698,	13699,	11071,	11252,		11946, 11969,
13702,	13709,	11254,	11927,		11970, 11974,
13715,	14462,	11928,	12002,		13773, 13775,
14464,	14466,	12007,	12011,		13776, 13782,
14470,	14603,	12391,	12392,		13786, 13799,
14605,	14607,	12395,	13147,		13824, 13826,
14611,	15191,	13150,	13154,		13830, 13833,
15192,	15234,	13156,	13162,		13835, 15439,
15235,	15335,	13164,	13165,		15441, 15695,
15638,	15641,	13194,	13195,		15714, 15950,
15846,	16205,	13199,	13918,		15952, 16262,
16208,	16395,	13919,	13922,		16281, 16625,
16521,	16837,	15702,	15716,		16627, 16894,
16840,	17221,	15720,	15722,		16913, 17208,
17223,	17228,	15745,	15746,		17754, 17755,
17230,	17946,	15748,	15749,		17756, 17775,
17963,	17967,	15751,	15756,		17776, 17777,
17968,	17969,	15761,	16269,		17779, 17781,
17978,	17992,	16283,	16287,		17863, 17864,
18168,	18171,	16289,	16312,		17865, 18781,
18177, 18181, 18195		16313,	16315,		18783, 18786,
\@tempb	2590,	16316,	16318,		18788, 18790, 18812
2591, 2593, 2594,		16323,	16328,	\@tempcntb . . .	2238,
10863,	10864,	16901,	16915,		2239, 2240,
10904,	10906,	16919,	16921,		13774, 13775,
10934,	10936,	16944,	16945,		13782, 13786,
10937,	10939,	16947,	16948,		13799, 15695,
10942,	13701,	16950,	16955,		15713, 16262,
13702,	13708,	16960,	17195,		16280, 16894, 16912
13709, 13714, 13715		17215,	17907,	\@tempdima	8, 10, 12, 14,
\@tempboxa	4330, 4374,	17910,	17915,		209, 211, 213, 215,
4418, 6762, 6786,		17919,	17923,		605, 606, 608,
6795, 6854, 6898,		17927,	17931,		731, 748, 753,
6939, 6950, 6959,		17935,	17939,		870, 883, 907,
7308, 7309, 7310,		17943,	18565,		912, 1096, 1097,
7311, 7313, 7362,		18566,	18623,		1108, 1113, 1126,
7363, 7364, 7365,		18624,	18625,		1351, 1364, 1389,
7367, 8161, 9992,		18626,	18706,		1394, 1676, 1677,
9996,	10004,	18750,	18872,		1709, 1710, 1711,
10005,	10118,	18879,	18880,		2361, 2363, 4986,
10119,	10120,	18897, 18898, 18902			4987, 5763, 5776,
10541,	10565,	\@tempc	10905, 10907,		5798, 5803, 5939,
10603,	10648,		10913, 11904, 11909		5952, 5974, 5979,



6237, 6252, 6257,	14358,	14689,	17591,	17595,
6459, 6460, 6461,	14702,	14724,	17608,	17612,
6509, 6514, 6743,	14729,	14817,	17626,	17630,
6812, 6813, 6827,	14818,	14819,	17645,	17649,
6828, 6832, 6909,	14860,	14861,	17665,	17669,
6977, 6978, 6992,	14862,	14930,	17700,	17704,
6993, 6997, 7013,	14935,	15099,	17771,	17773,
7014, 7254, 7255,	15114,	15119,	17802,	17805,
7256, 7257, 7275,	15236,	15237,	17812,	17815,
7276, 7277, 7278,	15337,	15338,	17819,	17824,
7284, 7286, 7287,	15339,	15344,	17827,	17839,
7291, 7292, 7293,	15345,	15348,	17872,	17874,
7294, 7295, 7303,	15543,	15546,	17875,	17878,
7307, 7310, 7311,	15553,	15578,	17881,	17885,
7312, 7326, 7327,	15581,	15590,	17892,	17894,
7328, 7341, 7343,	15719,	15720,	17953,	17954,
7344, 7348, 7349,	15745,	15746,	17967,	17969,
7350, 7351, 7352,	15747,	15749,	17977,	17984,
7358, 7361, 7364,	15848,	15849,	18130,	18131,
7365, 7366, 7378,	15850,	15855,	18150,	18161,
7379, 7380, 7405,	15856,	15859,	18162,	18163,
7407, 7408, 7409,	16054,	16057,	18164,	18176,
7413, 7420, 7422,	16064,	16081,	18179,	18185,
7424, 7431, 7455,	16084,	16091,	18186,	18477,
7456, 7461, 7462,	16111,	16114,	18478,	18634,
7463, 7464, 7465,	16123,	16286,	18635,	18791,
7580, 7582, 7584,	16287,	16312,	18792,	18793,
7603, 7608, 7618,	16313,	16314,	18794,	18797,
9773, 9775, 9808,	16316,	16397,	18800,	18803,
9822, 9827, 9993,	16398,	16399,	18805, 18828, 18829	
9994, 9997, 9998,	16402,	16403,	\@tempdmb ... 6428,	
10539, 10543,	16406,	16523,	6745, 6748, 6749,	
10922, 10924,	16524,	16525,	6750, 6751, 6754,	
10929, 10931,	16530,	16531,	6755, 6756, 6757,	
10932, 10934,	16534,	16729,	6758, 6759, 6760,	
10947, 10952,	16732,	16739,	6911, 6914, 6915,	
10957, 10961,	16759,	16762,	6917, 6919, 6922,	
11919, 11925,	16771,	16918,	6926, 6929,	
11926, 11932,	16919,	16944,	6932, 6936, 6938,	
11933, 11938,	16945,	16946,	7254, 7255, 7275,	
11939, 11944,	16948,	17141,	7276, 7327, 7329,	
12356, 12366,	17144,	17146,	7332, 7379, 7381,	
12371, 13249,	17209,	17268,	7384, 7411, 7413,	
13253, 13331,	17269,	17270,	7426, 7427, 7428,	
13335, 13393,	17469,	17473,	7429, 7431, 7458,	
13418, 13441,	17500,	17504,	7461, 9986, 9987,	
13453, 13454,	17523,	17527,	9988, 9989, 9991,	
13465, 13466,	17540,	17544,	10923, 10924,	
13777, 14318,	17557,	17561,	10930, 10931,	
14331, 14353,	17574,	17578,	10933, 10934,	



11939,	11940,	\@tempyii . . . 2151, 2152	1499, 1538, 1544,
11942,	13393,	\@tencol@footgroupv@r	1929, 1935, 5896,
13418,	15346,	..... 9385	5902, 6072, 6078,
15347,	15348,	\@tencolLTRfootfmt	6159, 6167, 6195,
15857,	15858,	.. 9408, 9429, 9457	6203, 7698, 7704,
15859,	16404,	\@tencolLTRfootnotetext	7732, 7738, 7793,
16405,	16406,	..... 9380, 9401	7801, 7829, 7837,
16532,	16533,	\@tencolRTLfootfmt	9898, 9904, 9932,
16534,	17141,	.. 9418, 9432, 9469	9938, 10567,
17144,	17146,	\@tencolRTLfootnotetext	10581, 10584,
17772,	17778,	..... 9381, 9411	13083, 13106,
17780,	17785,	\@tencolfootfmt . . .	14447, 14453,
17787,	17790,	.. 9398, 9426, 9444	14492, 14498,
17794,	17798,	\@tencolfootnotetext	14586, 14594,
17806,	17808,	..... 9379, 9391	14633, 14641,
17809,	17822,	\@testopt 2797,	14835, 14843,
17828,	17830,	2815, 12353, 12354	14876, 14884,
18133,	18134,	\@testpach 572, 1593,	15021, 15029,
18136,	18138,	1638, 17234, 18613	15057, 15065,
18141,	18142,	\@texfileextension	15419, 15463,
18144,	18147,	..... 2676, 2679	15472, 15930,
18161,	18162,	\@textbottom	15974, 15983,
18163,	18167,	.. 9768, 15361,	16605, 16649, 16658
18180,	18184,	15368, 15678,	\@thefnmark . 43, 56,
18185, 18480, 18481		15683, 15872,	71, 252, 265, 279,
\@tempdimc		15879, 16245,	674, 677, 962,
.. 6429, 15334,		16250, 16547,	1024, 1026, 1213,
15341, 15342,		16554, 16877, 16882	1277, 1462, 1524,
15352, 15845,		\@textsuperscript .	1526, 1924, 1927,
15852, 15853,		.. 674, 677, 962,	2168, 2176, 2184,
15863, 16520,		1024, 1026, 1213,	4640, 4642, 4675,
16527, 16528, 16538		1277, 1462, 1524,	4692, 4709, 4735,
\@tempskipa .. 5586,		1526, 1924, 1927,	4741, 4764, 4770,
5587, 5588,		4640, 4642, 5865,	4793, 4799, 5622,
5699, 5700, 5701		6041, 6180, 6183,	5629, 5636, 5865,
\@tempswafalse 3500,		7717, 7720, 7814,	6041, 6180, 6183,
3547, 7295, 7352,		7817, 9917, 9920,	7717, 7720, 7814,
10870, 18215, 18258		13090, 14416,	7817, 7995, 8011,
\@tempswatruer . 3499,		14478, 14480,	8027, 8040, 8053,
3544, 7289, 7346		14555, 14619,	8066, 8107, 8111,
\@temptokena		14621, 14814,	8113, 8211, 8221,
.. 117, 121, 13810		14821, 14857,	8231, 8257, 8270,
\@tempix 5601,		14864, 15042, 15045	8282, 8360, 8369,
5602, 11517, 11529		\@texttop 9764	8378, 8403, 8415,
\@tempixi 5604,		\@tfor 2213, 9981	8426, 8502, 8512,
5605, 11548, 11560		\@thanks 653,	8522, 8548, 8561,
\@tempixii 5607,		661, 689, 697,	8573, 8651, 8661,
5608, 11579, 11591		993, 999, 1038,	8671, 8697, 8710,
\@tempix 2145, 2146		1044, 1244, 1250,	8722, 8800, 8810,
\@tempixi 2148, 2149		1289, 1295, 1493,	8820, 8846, 8859,



8871, 8949, 8959,	\@threecolRTLfootnotetext	\@tocrmarg
8969, 8995, 9008,	..... 8345, 8373	.. 13437, 13449,
9020, 9098, 9108,	\@threecolfootfmt	13461, 17464,
9118, 9144, 9157,	.. 8362, 8387, 8405	17495, 17518,
9169, 9247, 9257,	\@threecolfootnotetext	17535, 17552,
9267, 9293, 9306,	..... 8343, 8355	17569, 17586,
9318, 9396, 9406,	\@title 322, 643, 664,	17603, 17621,
9416, 9442, 9455,	700, 714, 971, 973,	17640, 17660,
9467, 9594, 9606,	1001, 1046, 1059,	17695, 17746,
9618, 9644, 9658,	1222, 1224, 1252,	17832, 17949, 18630
9672, 9917, 9920,	1297, 1310, 1471,	\@todonotes@MissingFigureDown
10414, 10419,	1473, 1501, 1546,	..... 18111
10423, 10428,	1560, 1571, 1938,	\@todonotes@MissingFigureText
10445, 10461,	2397, 2458, 5170,	..... 18088
10476, 10503,	5255, 5874, 5876,	\@todonotes@MissingFigureUp
10516, 10529,	5904, 6050, 6052,	..... 18110
10572, 10577,	6080, 6149, 6170,	\@todonotes@author
10587, 10592,	6206, 6220, 7206,	..... 18021,
10825, 11299,	7688, 7707, 7741,	18032, 18057, 18075
11310, 11321,	7753, 7783, 7804,	\@todonotes@currentfigcolor
11332, 11450,	7840, 7854, 9888,	..... 18092
11488, 11521,	9907, 9941, 9953,	\@todonotes@currentfigheight
11552, 11583,	13084, 14425,	..... 18093
11646, 14416,	14427, 14455,	\@todonotes@currentfigwidth
14478, 14480,	14500, 14513,	..... 18093,
14555, 14619,	14564, 14566,	18095, 18105, 18108
14621, 14814,	14596, 14643,	\@todonotes@drawInlineNote
14821, 14857,	14659, 14670,	..... 18016
14864, 15042, 15045	14825, 14846,	\@todonotes@drawLineToLeftMargin
\@thefoot 10146,	14887, 14901,	..... 18044, 18047
10149, 10153,	15011, 15032,	\@todonotes@drawLineToRightMargin
18851, 18854,	15068, 15082,	..... 18044, 18047
18857, 18860, 18886	15404, 15475,	\@todonotes@drawMarginNote
\@thehead 10145,	15517, 15915,	18043, 18046, 18050
10148, 10152,	15986, 16028,	\@todonotes@drawMarginNoteWithLine
18851, 18853,	16590, 16661, 16703	..... 18038
18856, 18859, 18876	\@titlecolour 2427, 2444	\@todonotes@ifdisabled
\@themargin .. 10198,	\@titlehead .....	..... 18117
18852, 18854, 18871	.. 15393, 15395,	\@todonotes@sizecommand
\@thm 13730, 13751	15478, 15505,	..... 18021,
\@thmcountersep ...	15507, 15904,	18023, 18030,
..... 345, 18421	15906, 15989,	18032, 18034,
\@threecol@footgroupv@r	16016, 16018,	18057, 18059,
..... 8349	16579, 16581,	18071, 18074,
\@threecolLTRfootfmt	16664, 16691, 16693	18075, 18077, 18080
.. 8371, 8390, 8417	\@tocextra	\@todonotes@text ..
\@threecolLTRfootnotetext	.. 17420, 17421,	.. 18021, 18023,
..... 8344, 8364	17425, 17427, 17430	18032, 18034,
\@threecolRTLfootfmt	\@tocline 2, 203	18057, 18059,
.. 8380, 8393, 8428	\@tocpagenum 15, 216	18072, 18078, 18081



\@todonotes@textwidth	\@twocolfootnotetext	7970, 7983, 9855,
..... 18055	..... 8194, 8206	10075, 10361,
\@toodeep 18427	\@twocolumntrue .. 2276	10363, 10728,
\@topnum 107,	\@twosidefalse ... 3763	10784, 11865,
316, 686, 1035,	\@twosidetrue 3758	12373, 12406,
1286, 1535, 5248,	\@typeset@protect .	12454, 13288,
6192, 7729, 7826,	..... 2083,	13371, 13512,
9929, 13103,	2089, 2095, 2110	13523, 13596,
14489, 14630,	\@undeclaredcolor .	14369, 14790,
14873, 15054,	..... 6474,	14946, 15127,
15460, 15971, 16646	6482, 18208, 18209	15363, 15679,
\@topsep ... 13744, 13764	\@undefined ... 2141,	15874, 16246,
\@topsepadd	2273, 12358, 13204	16549, 16878,
. 2055, 13745, 13765	\@undottedtocline 13434	17106, 17146,
\@totalleftmargin .	\@unexpandable@protect	18596, 18672, 18819
.. 10750, 10754,	..... 2848, 3659	\@x 5659, 5660
10757, 10766,	\@unrecurse 17131, 17134	\@x@sf 4649,
12432, 13747,	\@uppertitleback ..	4654, 4660, 4663
13748, 13767,	..... 15423,	\@xLTRfootnote
13768, 14247,	15481, 15934,	... 2132, 2255,
14261, 18446,	15992, 16609, 16667	5493, 5504, 5717,
18448, 18454,	\@urlbordercolor ..	5731, 10422, 10425
18456, 18460,	..... 11748, 11750	\@xLTRfootnotenext
18462, 18466,	\@urlcolor 11762	..... 2131,
18468, 18470,	\@viipt 3797,	2254, 5492, 5503,
18507, 18509,	5008, 13785, 13798	5716, 5730, 10571,
18510, 18511,	\@viipt 5008, 13785, 13798	10574, 11318, 17181
18516, 18518,	\@viper 6682,	\@xRTLfootnote
18519, 18520,	6684, 6686, 6725,	... 2134, 2257,
18525, 18527,	6727, 6729, 6741,	5495, 5506, 5719,
18528, 18529,	6805, 6851, 6969,	5733, 10413, 10416
18534, 18536,	7018, 13394,	\@xRTLfootnotenext
18537, 18538, 18828	13409, 13411, 13416	... 2133, 2256,
\@traditionalpoem .	\@viperoutput 6688, 6731	5494, 5505, 5718,
..... 5543, 5642	\@vipt 5009	5732, 10586,
\@trivlist	\@vpt 5009	10589, 11307, 17182
13741, 13761, 18439	\@whilenum 11970	\@xaddress 323
\@twocol@footgroupv@r	\@whiles 6680, 6722,	\@xauthor 323
..... 8200	10048, 10084,	\@xcolor@ .. 18216, 18259
\@twocollTRfootfmt	10168, 10790,	\@xcurraddr 324
.. 8223, 8244, 8272	10814, 13303,	\@xemail 324
\@twocollTRfootnotetext	13382, 18658, 18683	\@xfloat 2188
..... 8195, 8216	\@wholewidth	\@xfootnote .. 2130,
\@twocolRTLfootfmt	. 9983, 9985, 10003	2253, 5491, 5502,
.. 8233, 8247, 8284	\@width .. 31, 241, 610,	5715, 5729, 11644
\@twocolRTLfootnotetext	760, 943, 1178,	\@xfootnotemark .. 11329
..... 8196, 8226	1422, 1711, 2301,	\@xfootnotenext ...
\@twocolfootfmt ...	5837, 5990, 6265,	... 2129, 2252,
.. 8213, 8241, 8259	6461, 6703, 6778,	5490, 5501, 5714,
	6943, 7236, 7672,	5728, 11296, 17180



\@xiipt	5011	18401, 18541,	4075, 7629, 7631,
\@xipt	5010	18585, 18602, 18612	12030, 12035,
\@xivpt	305, 5012	\{ . . . 2000, 12574, 12618	13216, 17403,
\@xmakefntext . .	1025,	\} . . . 2001, 12574, 18408	17410, 17427, 18088
	1525, 14479, 14620	\] . . 184, 200, 5668, 10098	\addfontfeature . . .
\@xp 117, 310, 335, 336, 6383		\^ 1838, 5443,	. . . 2425, 2426,
\@xpt	3788	5444, 5446, 5447	2427, 2428, 2429,
\@xthm	13749, 13769	\` 10748,	2430, 2432, 2433
\@xtitle	322	12429, 14243, 14257	\addpenalty . . 5, 206,
\@xxpt	5013	\| . . 10627, 10628, 10743	729, 746, 880,
\@xxxii	2239		898, 905, 1106,
\@xympar	4336,	Numbers	1123, 1141, 1361,
	4340, 4380,	\1 . . . 12516, 12567, 12619	1379, 1387, 5773,
	4384, 4424, 4428,		5789, 5796, 5949,
	18712, 18716,	_ 1777,	5965, 5972, 6235,
	18756, 18760, 18823	1879, 4542, 4546,	6250, 7601, 7615,
\@yargdef	2817	4561, 4565, 4580,	7869, 9805, 9820,
\@ympar	18820	4584, 4612, 4616,	14328, 14344,
\@ythm	13749, 13769	10620, 10622, 16491	14351, 14699,
\[.	5667, 10088		14715, 14722,
\ \	118, 624,	A	14914, 14928,
	969, 1014, 1220,	\abovecaptionskip .	15097, 15112,
	1265, 1469, 1514,	. . . . . 12000,	15541, 15575,
	2138, 2505, 2511,	13143, 13193,	16052, 16079,
	2589, 4096, 4097,	15769, 15773,	16108, 16727,
	4098, 4100, 5057,	15788, 15796,	16756, 17328,
	5426, 5564, 5872,	16336, 16340,	17330, 17457,
	6048, 7094, 7095,	16355, 16363,	17459, 17492, 17514
	7098, 7114, 7201,	16968, 16972,	\address 323, 2459
	7206, 7213, 7223,	16987, 16995, 18896	\addresscolour 2428,
	7227, 7950, 7954,	\abovedisplayshortskip	7046, 7144, 7150,
	7963, 11151, 11154,	. . 3790, 3799, 5000	7156, 7162, 7168
	11167, 11170,	\abovedisplayskip .	\addressfont . . 2437,
	11270, 11691,	. . . . . 3789,	2445, 2556, 7084,
	11706, 11725,	3792, 3798, 3805,	7112, 7176, 7210
	11856, 11860,	3839, 4999, 5006	\addresssymbol
	11985, 11986,	\abstractname . . 848,	. . . 2419, 7114, 7213
	12351, 12437,	854, 857, 1154,	\addressstyle 2445
	13828, 13840,	1160, 1162, 1405,	\addtocontents . . . 17743
	14188, 14189,	1411, 1414, 5814,	\addtocounter
	14201, 14202,	6001, 14296,	. 11663, 11966, 11967
	14214, 14215,	14302, 14305,	\addtolength . . . 179,
	14227, 14423,	14745, 14751, 14754	2379, 2380, 2381,
	14468, 14562,	\Acrobatmenu 11767	2382, 2383, 2384,
	14609, 16497,	\active 5443,	2482, 2483, 2485,
	17096, 17112,	5444, 5446, 5447	2487, 2488, 2491,
	17129, 17130,	\add@strip 13418	3874, 3877, 3878,
	17286, 17315,	\addcontentsline . .	3881, 5023, 7192,
	18054, 18061,	. 773, 775, 2502,	7193, 7194, 7464,
			11004, 11005,



11922, 11926,	\adl@arraydashrule	6509, 6621, 6741,
11928, 11930,	..... 1607, 1645	6742, 6751, 6812,
11931, 11932,	\adl@arrayinit ... 1588	6813, 6828, 6848,
11933, 11952,	\adl@arrayrestore 1583	6851, 6852, 6861,
11954, 11955,	\adl@arrayrule 1606, 1644	6863, 6869, 6870,
11957, 11958,	\adl@box 1629, 1631, 1632	6873, 6876, 6879,
11960, 11961,	\adl@class@iiiorvii	6922, 6977, 6978,
11962, 11972,	..... 1635, 1668	6993, 7013, 7014,
11973, 15338,	\adl@class@start ..	7244, 7254, 7255,
15341, 15342,	..... 1634, 1667	7265, 7275, 7276,
15345, 15347,	\adl@CT@setup	7292, 7293, 7294,
15746, 15747,	... 1671, 1674, 1675	7311, 7320, 7327,
15849, 15852,	\adl@depth	7349, 7350, 7351,
15853, 15856,	\adl@endarray 1583	7365, 7372, 7379,
15858, 16313,	\adl@endmbox 1630	7408, 7409, 7422,
16314, 16398,	\adl@everyvbox 1587, 1588	7424, 7427, 7428,
16403, 16405,	\adl@extract@arc . 1683	7429, 7608, 7660,
16524, 16527,	\adl@extract@dgc . 1686	7930, 8187, 8189,
16528, 16531,	\adl@extract@drsc 1684	9827, 9868, 9983,
16533, 16945,	\adl@height	9985, 9987, 9993,
16946, 17347, 17348	\adl@inactivate ...	9994, 10001,
\addvspace 5, 206, 730,	..... 1589, 1671	10002, 10003,
747, 881, 899,	\adl@LT@array 11818	10161, 10162,
906, 1107, 1124,	\adl@noalign	10623, 10637,
1142, 1362, 1380,	\adl@org@activate 1672	10650, 10651,
1388, 2309, 5051,	\adl@org@classz ... 1715	10683, 10688,
5108, 5774, 5790,	\adl@org@endpbox . 1673	10689, 10692,
5950, 5966, 6236,	\adl@org@inactivate 1671	10701, 10765,
7602, 7616, 7870,	\adl@putlrc	11940, 11943,
9806, 14329,	1626, 1627, 1628,	11944, 11974,
14345, 14700,	1656, 1657, 1658,	12366, 12378,
14716, 14915,	1664, 1665, 1666	13241, 13243,
15098, 15542,	\adl@startmbox ... 1629	13270, 13271,
15577, 16053,	\advance	13274, 13323,
16080, 16728,	86, 213, 295,	13325, 13352,
17461, 17515, 17766	313, 467, 468,	13353, 13356,
\adjmc@inner	472, 488, 547,	13407, 13408,
\adjmc@outer	551, 567, 606,	13409, 13410,
\adjmc@page@sofar@orig	753, 796, 912,	13419, 13441,
..... 160	930, 1097, 1113,	13454, 13466,
\adjmult@cols	1192, 1394, 1441,	13479, 13742,
\adjmulticols	1676, 1710, 1897,	13746, 13747,
\adl@act@classz ... 1714	1902, 2220, 2234,	13762, 13766,
\adl@act@CT@setup .	2240, 2319, 2574,	13767, 13775,
..... 1672, 1679	3671, 4284, 4987,	13835, 13857,
\adl@activate 1589, 1672	5062, 5413, 5421,	13885, 13892,
\adl@argarraydashrule	5422, 5587, 5700,	13934, 13939,
..... 1608, 1646	5803, 5824, 5979,	13940, 13941,
\adl@array ... 1586, 1591	6011, 6257, 6319,	13970, 13971,
	6460, 6468, 6469,	13997, 14008,



14148,	14150,	1881, 1883, 2849,	8683, 8686, 8689,
14155,	14158,	4514, 17204, 17205	8770, 8832, 8835,
14181,	14358,	\aftergroup	8838, 8919, 8981,
14384,	14729,	. . . 2037, 2047,	8984, 8987, 9068,
14777,	14818,	3329, 3331, 3341,	9130, 9133, 9136,
14861,	14935,	3343, 3353, 3355,	9217, 9279, 9282,
14970,	15119,	3373, 3375, 3384,	9285, 9366, 9428,
15172,	15237,	3386, 3395, 3397,	9431, 9434, 9515
15553,	15586,	4498, 4513, 6472,	\Alph 13125
15590,	15635,	6474, 6481, 6487,	\AM@CheckAtEnd . . . 13848
16064,	16091,	6506, 10187,	\AM@ClearShipoutPicture
16119,	16123,	10189, 14053,	. . . . . 13850
16202,	16495,	14054, 14057,	\AM@currentdocname
16739,	16767,	14061, 14062,	. . . . . 13813, 13819
16771,	16834,	14066, 14070,	\AM@findfile 13817
17057,	17130,	14071, 14075,	\AM@output 13846
17144,	17154,	14079, 14083,	\AM@pagecount 13815
17174,	17269,	14087, 17321,	\AM@pageref 13830, 13833
17287,	17303,	17757, 18197,	\AM@pagetemp
17316,	17320,	18206, 18208,	. . 13823, 13828,
17352,	17353,	18245, 18249,	13829, 13832,
17372,	17473,	18302, 18313,	13840, 13841, 13845
17504,	17527,	18314, 18317,	\AM@readlist 13845
17544,	17561,	18321, 18322,	\AM@split@options 13809
17578,	17595,	18326, 18330,	\AM@temp . . . 13810, 13811
17612,	17630,	18331, 18335,	\AM@threadname
17649,	17669,	18339, 18343,	13808, 13818, 13819
17704,	17745,	18347, 18496,	\AM@xrprefix
17755,	17775,	18835, 18843, 18844	13826, 13830, 13833
17780,	17830,	\AlFnt 181	\AND 392, 519
17831,	17832,	\ALG@floatstyle . . .	\and 668, 704,
17835,	17839,	. . 4299, 4300, 4301	980, 1006, 1009,
17864,	17875,	\algocf@algorithmbbox . . . 173	1051, 1231, 1257,
17954,	17977,	\algocf@algorithframe .	1260, 1302, 1480,
18131,	18133,	. . 167, 168, 169, 170	1506, 1509, 1551,
18143,	18162,	\algocf@endline . . . 184	1573, 1942, 5883,
18163,	18192,	\algocf@float 18957	5909, 6059, 6085,
18203,	18204,	\algocf@makethealgo 194	6174, 6210, 7711,
18429,	18442,	\algocf@within	7745, 7808, 7844,
18443,	18446,	. . . . . 162, 164,	9911, 9945, 13081,
18448,	18454,	18959, 18960, 18961	13812, 14434,
18456,	18460,	\algomargin . . . 176, 179	14460, 14463,
18462,	18466,	\algowidth . 174, 176, 197	14505, 14573,
18468,	18568,	\alignL 6414	14601, 14604,
18569,	18635,	\alignR 6418	14648, 14672,
18792,	18793,	\allowbreak 7250, 7271,	14850, 14891,
18800,	18801,	8243, 8246, 8249,	15036, 15072,
18802, 18803, 18828		8330, 8389, 8392,	15494, 16005, 16680
\afterassignment . .		8395, 8472, 8534,	\andify 112
. . . . 1779, 1781,		8537, 8540, 8621,	



<code>\andname</code> . 1014, 1265, 1514, 14468, 14609	<code>\author</code> 323, 666, 702, 1004, 1049, 1255, 1300, 1504, 1549, 1940, 5154, 5186, 5907, 6083, 6172, 6208, 7709, 7743, 7806, 7842, 9909, 9943, 14458, 14503, 14599, 14646, 14848, 14889, 15034, 15070, 15484, 15995, 16670	13998, 14009, 14036, 14250, 14264, 14368, 14370, 14374, 14376, 14789, 14791, 14795, 14797, 16489, 16492, 16494, 16499, 17115, 17155, 18131, 18139, 18143, 18606, 18868, 18883
<code>\andnext</code> 13082		
<code>\animategraphics</code> 355, 403, 490, 491, 492		
<code>\animateinline</code> 569, 570		
<code>\arabic</code> 19, 20, 21, 22, 83, 220, 221, 222, 223, 292, 331, 10124, 10130, 17685, 18957		
<code>\array</code> 627, 18610		
<code>\arraycolsep</code> 627		
<code>\arraylinesep</code> 17137	<code>\auto@footnoterule</code> 10377, 10388	<code>\baselinestretch</code> 2409, 4670, 4687, 4704, 7989, 8005, 8021, 8037, 8050, 8063, 8207, 8217, 8227, 8253, 8265, 8278, 8305, 8318, 8333, 8338, 8356, 8365, 8374, 8399, 8410, 8422, 8448, 8460, 8475, 8480, 8498, 8508, 8518, 8544, 8556, 8569, 8596, 8609, 8624, 8629, 8647, 8657, 8667, 8693, 8705, 8718, 8745, 8758, 8773, 8778, 8796, 8806, 8816, 8842, 8854, 8867, 8894, 8907, 8922, 8927, 8945, 8955, 8965, 8991, 9003, 9016, 9043, 9056, 9071, 9076, 9094, 9104, 9114, 9140, 9152, 9165, 9192, 9205, 9220, 9225, 9243, 9253, 9263, 9289, 9301, 9314, 9341, 9354, 9369, 9374, 9392, 9402, 9412, 9438, 9450, 9463, 9490, 9503, 9518, 9523, 9582, 9590, 9602, 9614, 9640, 9654, 9668, 9694, 9703, 9717
<code>\arrayrulecolor</code> . . 1683	<code>\autodot</code> 15603, 16138, 16786, 17967	
<code>\arrayrulewidth</code> . . 17154	<code>\autofootnoterule</code> . 1800, 7230, 7977, 10386, 10821, 18914	
<code>\arraystretch</code> 608, 609, 2031, 2042, 12371, 12372, 17104, 17105, 17141, 18416, 18594, 18595	B	
<code>\aslice</code> . 13977, 13978, 13980, 13982, 13983, 13985, 13998, 13999, 14001	<code>\backmatter</code> 5358, 6305, 7916	
<code>\At@ViperColsBreak</code> . . 6890, 6900, 6904	<code>\baselineskip</code> 622, 942, 944, 948, 950, 1421, 1423, 1427, 1429, 3816, 3818, 3821, 3823, 3825, 3828, 3977, 4607, 4673, 4690, 4707, 4824, 4833, 4842, 4923, 4930, 4937, 4944, 4951, 5051, 5108, 5451, 5512, 5576, 5582, 5836, 5838, 5842, 5844, 5989, 5991, 5995, 5997, 6622, 6623, 6640, 6644, 6814, 6979, 9584, 9696, 10195, 10638, 11919, 11938, 11946, 12387, 12397, 12435, 12452, 13932, 13935, 13949, 13973, 13977, 13982, 13986,	
<code>\AtBeginDocument</code> 1770, 2394, 2454, 2551, 3136, 3724, 3883, 4104, 4238, 4243, 4296, 5104, 5304, 5369, 7123, 7237, 7258, 7279, 7568, 10483, 11268, 12039, 12045, 12125, 17119, 17904		
<code>\AtBeginPackage</code> . . 13186		
<code>\AtEndDocument</code> 2558, 3149, 3576, 5596, 5652, 12559, 12610, 12628		
<code>\AtEndOfClass</code> 2393		
<code>\AtPageLowerLeft</code> . 7398		
<code>\AtPageUpperLeft</code> 7398, 7412, 7430		
<code>\AtTextUpperLeft</code> 7402, 7418		



\BCmd	2036	10091, 11019,	2764, 2783, 2915,
\BDefaboveskip		11024, 11042,	2961, 2968, 2998,
.. 2051, 2066, 2069		11145, 11147, 11161,	3014, 3030, 3070,
\BDefbelowskip		11163, 11855,	3078, 3111, 3134,
.. 2055, 2067, 2070		13230, 13782,	3223, 3247, 3262,
\BDefinlineskip . . .		14408, 14421,	3328, 3339, 3351,
.. 2060, 2068, 2071		14432, 14511,	3372, 3382, 3393,
\begin	167,	14517, 14545,	3543, 3657, 3669,
169, 173, 632,		14560, 14571,	3704, 4077, 4496,
642, 647, 710,		14655, 14663,	4739, 4768, 4797,
718, 954, 967,		14672, 14674,	5171, 5188, 5204,
978, 1057, 1063,		14675, 14804,	5216, 5249, 5553,
1205, 1218, 1229,		14824, 14829,	5620, 5627, 5634,
1308, 1314, 1454,		14905, 15000,	5664, 5775, 5799,
1467, 1478, 1558,		15010, 15015,	5951, 5975, 6178,
1564, 1573, 1575,		15078, 15086,	6238, 6253, 6341,
1576, 2030, 2032,		15374, 15394,	6452, 6506, 6515,
2041, 2043, 2046,		15399, 15409,	6679, 6719, 7403,
2509, 2513, 2515,		15422, 15426,	7419, 7604, 7617,
2517, 2519, 2523,		15506, 15512,	7715, 7812, 7871,
2531, 2534, 2568,		15523, 15627,	9807, 9823, 9915,
2613, 2617, 2637,		15885, 15905,	10047, 10081,
2641, 2668, 3169,		15910, 15920,	10165, 10181,
3175, 3197, 3201,		15933, 15937,	10417, 10426,
3433, 3889, 3890,		16017, 16023,	10575, 10590,
3903, 3906, 3974,		16034, 16194,	10597, 10649,
3975, 3981, 3982,		16560, 16580,	10682, 10788,
3989, 3990, 4015,		16585, 16595,	10812, 10852,
4016, 4053, 4056,		16608, 16612,	10868, 11018,
4059, 4062, 4066,		16692, 16698,	11297, 11308,
4067, 4251, 4252,		16709, 16826,	11319, 11330,
4867, 4923, 4930,		17366, 18018,	11428, 11448,
4937, 4944, 4951,		18025, 18028,	11486, 11519,
4964, 4972, 5094,		18039, 18052,	11550, 11581,
5099, 5232, 5279,		18055, 18062,	11815, 11830,
5302, 5684, 5857,		18068, 18091,	11887, 12033,
5870, 5881, 6033,		18095, 18101, 18108	12375, 13088,
6046, 6057, 6101,			13218, 13300,
6113, 6138, 6148,		\begin@bidi@stack .	13379, 13579,
6153, 6216, 6224,		2607, 2617, 2618,	13583, 13587,
6525, 6535, 6548,		2631, 2641, 2642	13806, 13854,
6558, 6571, 6581,		\begingroup 6, 115, 207,	14130, 14330,
6594, 6604, 7098,		304, 317, 376,	14354, 14475,
7204, 7209, 7227,		503, 599, 611,	14616, 14701,
7487, 7553, 7679,		672, 732, 749,	14725, 14854,
7687, 7692, 7751,		882, 908, 1021,	14916, 14931,
7757, 7772, 7782,		1109, 1125, 1272,	15040, 15100,
7787, 7850, 7858,		1363, 1390, 1521,	15115, 15448,
7949, 9879, 9887,		1702, 1922, 2166,	15549, 15584,
9892, 9951, 9957,		2174, 2182, 2282,	15626, 15718,
		2589, 2608, 2632,	



15959, 16060,	7396, 8180, 8184,	..... 3792,
16087, 16117,	9597, 9621, 9647,	3805, 3840, 5006
16193, 16285,	9675, 10008,	\bf 13918, 13920
16634, 16735,	10010, 10011,	\bfseries 25, 305, 736,
16765, 16825,	10012, 10013,	752, 781, 784,
16917, 17203,	10015, 10016,	887, 911, 1112,
17300, 17324,	10017, 10120,	1130, 1368, 1393,
17462, 17753,	10829, 10882,	1986, 2526, 5231,
17870, 18210,	10921, 10928,	5780, 5802, 5956,
18253, 18302,	11277, 11285,	5978, 6102, 6114,
18392, 18496,	11667, 11703,	6242, 6256, 6288,
18657, 18680, 18835	11735, 11764,	6294, 6302, 7607,
\beginL 377,	11790, 11796,	7622, 7637, 7640,
504, 1687, 2556,	11803, 11848,	7649, 7875, 7898,
4358, 4402, 6437,	12003, 12391,	7904, 7913, 9812,
6466, 6472, 6474,	12500, 12508,	9826, 9837, 9842,
6506, 8216, 8268,	12696, 13022,	9850, 14335,
8364, 8413, 8507,	13194, 13196,	14357, 14706,
8559, 8656, 8708,	13922, 14047,	14728, 14901,
8805, 8857, 8954,	14054, 14059,	14920, 14934,
9006, 9103, 9155,	14126, 14127,	15104, 15118,
9252, 9304, 9401,	14128, 15278,	15149, 15154, 15162
9453, 9597, 9609,	15288, 15299,	\bgroup . 175, 176, 599,
9647, 9661, 9996,	15306, 15761,	614, 619, 624,
10008, 10010,	16328, 16960,	856, 1413, 1688,
10011, 10012,	17093, 17116,	1783, 1885, 2125,
10013, 10015,	17156, 17278,	2248, 5485, 5710,
10016, 10017,	18202, 18206,	5724, 6374, 6438,
10095, 10110,	18245, 18249,	10095, 10096,
10262, 10827,	18302, 18307,	10110, 10541,
10833, 10853,	18314, 18319,	10702, 12379,
10869, 10879,	18551, 18554,	12381, 12400,
11652, 12003,	18557, 18574,	12419, 13394,
12674, 13007,	18582, 18608,	13866, 14055,
13855, 14047,	18778, 18812,	14060, 14064,
14053, 14068,	18829, 18831,	14069, 14073,
14130, 15284,	18876, 18886,	14078, 14081,
15295, 15302,	18899, 18902, 18910	14086, 14304,
15312, 17271,	\belowcaptionskip .	14753, 17093,
18201, 18206,	..... 12013,	17102, 17110,
18208, 18302,	13184, 13201,	17116, 17148,
18307, 18313,	15767, 15775,	17152, 17156,
18328, 18734,	15786, 15798,	17862, 18315,
18812, 18876, 18886	16334, 16342,	18320, 18324,
\beginR 338, 343,	16353, 16365,	18329, 18333,
599, 624, 1688,	16966, 16974,	18338, 18341,
2135, 2330, 2333,	16985, 16997, 18904	18346, 18392,
4358, 4446, 6372,	\belowdisplayshortskip	18398, 18582,
6438, 6467, 6472,	.. 3791, 3800, 5001	18592, 18600, 18608
6481, 6487, 6506,	\belowdisplayskip .	\bib@after@hook ...



..... 15670, 15672, 16237, 16239, 16869, 16871	\bidi@addto@envbody .. 2603, 2621, 2623	\bidi@BeforeClosingMainAux 3609, 3620, 3624, 3627, 3635, 3638
\bib@before@hook 15621, 15671, 16188, 16238, 16820, 16870	\bidi@addto@long@envbody .. 2627, 2645, 2647	\bidi@BeforeFile . 3315
\bib@beginhook 15614, 15620, 16181, 16187, 16813, 16819	\bidi@AfterAtEndOfClass 3331, 3336	\bidi@BeforePackage 3362
\bib@endhook 15674, 16241, 16873	\bidi@AfterAtEndOfPackage 3375, 3379	\bidi@collect@@body 2609, 2616
\bib@heading 15616, 16186, 16818	\bidi@AfterClass . 3319	\bidi@collect@body 2604
\bibcleanup 13689	\bidi@AfterEndDocument ... 3151, 3156, 3162	\bidi@collect@long@@body 2633, 2640
\bibentry 4544, 4546, 4563, 4565, 4582, 4584, 4614, 4616	\bidi@afterenddocumenthook 3151, 3152, 3157, 3163	\bidi@collect@long@body 2628
\bibfont 13669	\bidi@AfterEndEnvironment 3206, 3216	\bidi@csappto 2895
\bibindent .. 2560, 2561	\bidi@AfterEndPreamble 3139, 3143, 3145, 3149, 3728, 5245, 5268	\bidi@csdefcs 2770
\bibitem@fin 13683	\bidi@aafterendpreamblehook 3139, 3140, 3144, 3146	\bidi@csappto 2896, 2899
\bibliofont 82, 291	\bidi@AfterFile 3316, 15778, 16345, 16977	\bidi@cssepreto 2905, 2908
\bibliographyitemlabel 2562, 2568	\bidi@AfterPackage 3364	\bidi@csgappto 2897, 3167, 3181, 3195, 3207
\bibname . 5087, 5088, 5818, 5819, 6005, 6006, 6313, 6314, 7924, 7925, 9862, 9863, 14378, 14379, 14771, 14772, 14964, 14965, 15166, 15167	\bidi@AfterPreamble 3136, 3137	\bidi@csgpreto ... 2906
\bibpostamble 13684	\bidi@AfterReadingMainAux 3646, 3649	\bidi@cslet 2776
\bibpreamble 13668, 15617, 15618, 16183, 16184, 16815, 16816	\bidi@append . 3072, 3122	\bidi@csletcs 2773
\bibsection .. 5082, 5085, 5087, 5088, 13228, 13666, 17363, 17365	\bidi@appto .. 2851, 2895, 3142, 3686	\bidi@cspreto 2904
\bidi@@end .. 3160, 3164	\bidi@apptocmd 3068, 3069	\bidi@csuse .. 2838, 3171, 3185, 3198, 3211
\bidi@@loadwithoptions 3242, 3249, 3252, 3256	\bidi@AtBeginEnvironment 3166, 3176	\bidi@csxappto 2898, 2900
\bidi@@onefilewithoptions .. 3264, 3267, 3270	\bidi@AtEndEnvironment 3180, 3190	\bidi@csxpreto 2907, 2909
\bidi@@patchcmd 2963, 2965	\bidi@AtEndPreamble 3125, 3130, 3132, 3137, 3726, 4528	\bidi@dbg@fail 2923, 2933, 2934, 2935, 2936, 2942, 2951, 2957, 3064, 3086, 3098, 3099, 3108
	\bidi@autofooterulefalse 10365, 10369, 10372	\bidi@dbg@info 2924, 2926, 2929, 2931, 2932, 2943, 2945, 2947, 2949, 2950, 2952, 2954, 2956, 3062, 3087, 3089, 3091, 3094, 3100, 3102
	\bidi@autofooteruletrue 10387	\bidi@dbg@init 2921, 2940, 3061, 3084
	\bidi@BeforeBeginEnvironment 3194, 3202	
	\bidi@BeforeClass 3317	



\bidi@dbg@succ	8864, 8876, 8891,	. . . . . 2843,
. . . 2967, 3063,	8903, 8915, 8920,	2854, 2858, 2862,
3095, 3103, 3105	8925, 8930, 8944,	2866, 2876, 2880,
\bidi@dbg@trce	8954, 8964, 8974,	2884, 2888, 3106
. . . 2914, 2960,	8979, 8982, 8985,	\bidi@ff@box 10213, 10231
3060, 3069, 3077	8988, 9000, 9013,	\bidi@footdir@footnote
\bidi@eappto	9025, 9040, 9052,	. . . . . 76, 285,
. . 2855, 2868, 2896	9064, 9069, 9074,	10485, 10487, 10491
\bidi@endpreamblehook	9079, 9093, 9103,	\bidi@gappto
. 3125,	9113, 9123, 9128,	. . . 2859, 2897,
3126, 3131, 3133	9131, 9134, 9137,	3125, 3139, 3151
\bidi@ensure@new@command	9149, 9162, 9174,	\bidi@gobbleopt . . .
. 2781, 2782	9189, 9201, 9213,	. . . . . 3566, 3575
\bidi@ensure@newcommand	9218, 9223, 9228,	\bidi@gpreto . 2881, 2906
. . . . 2781, 7984,	9242, 9252, 9262,	\bidi@hook@acma . . .
7985, 8079, 8087,	9272, 9277, 9280,	. . . 3590, 3634,
8088, 8089, 8096,	9283, 9286, 9298,	3647, 3648, 3653
8097, 8103, 8104,	9311, 9323, 9338,	\bidi@hook@bcma . . .
8119, 8120, 8126,	9350, 9362, 9367,	. . . 3584, 3633,
8127, 8128, 8129,	9372, 9377, 9391,	3636, 3637, 3643
8132, 8138, 8140,	9401, 9411, 9421,	\bidi@hooktocmd . . .
8146, 8147, 8162,	9426, 9429, 9432,	. . 3072, 3080, 3082
8173, 8175, 8178,	9435, 9447, 9460,	\bidi@hooktocmd@i .
8183, 8186, 8188,	9472, 9487, 9499,	. . . . . 3096, 3110
8192, 8206, 8216,	9511, 9516, 9521,	\bidi@ifblank@i . . .
8226, 8236, 8241,	9526, 9534, 9541,	. . 2742, 2743, 2745
8244, 8247, 8250,	9545, 9556, 9565,	\bidi@ifdefmacro . .
8262, 8275, 8287,	9567, 9568, 9588,	. . . . . 2748,
8302, 8314, 8326,	9600, 9612, 9624,	2750, 2751, 2752
8331, 8336, 8341,	9628, 9632, 9636,	\bidi@ifdefparam . .
8355, 8364, 8373,	9650, 9664, 9678,	. . . . . 3042,
8382, 8387, 8390,	9700, 9713, 9727,	3044, 3045, 3046
8393, 8396, 8407,	9733, 9740, 9747,	\bidi@ifdefprotected
8419, 8430, 8445,	9755, 9759, 9770,	. . . . . 3051,
8456, 8468, 8473,	9771, 9782, 9800	3053, 3054, 3055
8478, 8483, 8497,	\bidi@ensure@newlength	\bidi@ifhashcheck .
8507, 8517, 8527,	. . . 2788, 8100,	. . 2928, 3013, 3093
8532, 8535, 8538,	8101, 8102, 8130	\bidi@ifhashcheck@i
8541, 8553, 8566,	\bidi@epreto . . . . .	. . . . . 3017, 3019
8578, 8593, 8605,	. . 2877, 2890, 2905	\bidi@ifhashcheck@ii
8617, 8622, 8627,	\bidi@error . 2790, 2823	. . . . . 3021,
8632, 8646, 8656,	\bidi@everyjob 1746,	3024, 3025, 3026
8666, 8676, 8681,	1747, 1863, 1864	\bidi@ifpatchable .
8684, 8687, 8690,	\bidi@excludedpackages	. . 2917, 2919, 2966
8702, 8715, 8727,	. . . . . 3403,	\bidi@ifpatchable@i
8742, 8754, 8766,	3404, 3424, 3460,	. . . . . 2917, 2938
8771, 8776, 8781,	3477, 3485, 3495,	\bidi@ifpattern . . .
8795, 8805, 8815,	3517, 3518, 3526,	. . . . . 2930, 3029
8825, 8830, 8833,	3527, 3532, 3545	\bidi@ifscanable . .
8836, 8839, 8851,	\bidi@expandonce . .	. . . . . 2927,



2948, 2997, 3092	12194, 12197,	18310, 18311, 18312
\bidi@info 2792	12200, 12203,	\bidi@namelongdef .
\bidi@isloaded	12206, 12209,	. . . . . 2779,
. . . 2989, 12054,	12212, 12215,	8294, 8296, 8303,
12055, 12056,	12218, 12221,	8315, 8437, 8439,
12057, 12058,	12224, 12227,	8446, 8457, 8469,
12059, 12060,	12230, 12233,	8585, 8587, 8594,
12061, 12062,	12236, 12239,	8606, 8734, 8736,
12063, 12064,	12242, 12245,	8743, 8755, 8883,
12065, 12066,	12248, 12251,	8885, 8892, 8904,
12067, 12068,	12254, 12257,	9032, 9034, 9041,
12069, 12070,	12260, 12263,	9053, 9181, 9183,
12071, 12072,	12266, 12269,	9190, 9202, 9330,
12073, 12074,	12272, 12275,	9332, 9339, 9351,
12075, 12076,	12278, 12281,	9479, 9481, 9488,
12077, 12078,	12284, 12287,	9500, 9685, 9687,
12079, 12080,	12290, 12293,	9701, 9714, 9728
12081, 12082,	12296, 12299,	\bidi@new@command .
12083, 12084,	12302, 12305,	. . . . . 2795,
12085, 12086,	12308, 12311,	2797, 2826, 2834
12087, 12088,	12314, 12317,	\bidi@new@ifnch . . .
12089, 12090,	12320, 12323,	. . . . . 2654, 2656
12091, 12092,	12326, 12329, 12332	\bidi@new@ifnextchar
12093, 12094,	\bidi@load@hook 3235,	. . . . . 2651, 18415
12095, 12096,	3238, 3271, 3308	\bidi@newcommand . .
12097, 12098,	\bidi@loadwithoptions	. . . . . 2797, 2799
12099, 12100,	. . 3243, 3244, 3249	\bidi@newrobustcmd
12101, 12102,	\bidi@lrbbox 18492	. . . . . 1778,
12103, 12104,	\bidi@lst@caption@direction	1780, 2794, 2795,
12105, 12106,	. . . . . 11986,	2819, 2830, 2851,
12107, 12108,	11987, 11991, 11994	2855, 2859, 2863,
12109, 12110,	\bidi@lst@ensure@caption@direction	2868, 2869, 2873,
12111, 12112,	. . 11989, 12001,	2877, 2881, 2885,
12113, 12114,	12003, 12005,	2890, 2891, 2895,
12115, 12116,	12023, 12027, 12034	2896, 2897, 2898,
12117, 12118,	\bidi@matrix@check	2899, 2900, 2904,
12119, 12120,	. . . . . 2660, 18410	2905, 2906, 2907,
12121, 12122,	\bidi@matrix@error	2908, 2909, 2913,
12123, 12124,	. . . . . 2662, 2666	2959, 3058, 3068,
12127, 12130,	\bidi@mpfootnoterule	3076, 3125, 3136,
12133, 12136,	. . . . . 10269,	3139, 3151, 3166,
12139, 12142,	10496, 10509,	3180, 3194, 3206
12145, 12148,	10522, 10559, 12474	\bidi@notblank 2744,
12152, 12155,	\bidi@multicol@align@columns	2752, 3046, 3055
12158, 12161,	. . . . . 13494,	\bidi@o@everypar . .
12164, 12167,	13544, 13547, 13549	. . . . . 14048,
12170, 12173,	\bidi@n@everypar . .	14050, 14051,
12176, 12179,	. . 14049, 14050,	18308, 18310, 18311
12182, 12185,	14051, 14052,	\bidi@onefilewithoptions
12188, 12191,	18124, 18309,	. . 3259, 3260, 3264



\bidi@orig@leftline 18559, 18561, 18562	\bidi@patch@list 3684, 3686, 3724, 3726, 3733	\bidi@protected@epreto 2890
\bidi@orig@raggedleft 18544, 18546, 18547	\bidi@patch@OrgIfClassLater 3732, 3737	\bidi@protected@immediate@write .. 3639, 3650, 3656
\bidi@orig@raggedright 18545, 18546, 18547	\bidi@patch@OrgIfClassLoaded 3731, 3736	\bidi@protected@xappto 2869
\bidi@orig@rightline 18560, 18561, 18562	\bidi@patch@OrgIfPackageLater 3730, 3735	\bidi@protected@xpreto 2891
\bidi@p@ftn 2079, 2142, 2145, 2146, 2148, 2149, 2151, 2152, 2156, 2159, 2162, 2267	\bidi@patch@OrgIfPackageLoaded 3729, 3734	\bidi@provide@command 2830, 2832
\bidi@p@ftntext 2126, 2144, 2249	\bidi@patch@stepcounter .. 3668, 3678, 3697	\bidi@providerobustcmd 2830
\bidi@p@LTrftntext .. 2127, 2147, 2250	\bidi@patch@temp 3696, 3700	\bidi@push@begins 2613, 2614, 2617
\bidi@p@RTLftntext .. 2128, 2150, 2251	\bidi@patch@try 3715, 3718	\bidi@push@long@begins .. 2637, 2638, 2641
\bidi@p@xfootnote . .. 2130, 2165, 2253	\bidi@patchcmd 2959, 2960, 3154, 3169, 3183, 3209, 12016, 12029	\bidi@raggedleft 2503, 2510, 2515, 2534, 7094, 7210, 10012, 10017, 11061, 18549
\bidi@p@xftntext 2129, 2155, 2170, 2252	\bidi@patchcmd@scantoks .. 2977, 2983, 3118	\bidi@raggedright . .. 10010, 10015, 13600, 13603, 13605, 13608, 13610, 13612, 13615, 13617, 13619, 13621, 13624, 13626, 13628, 13630, 13632, 13635, 13637, 13640, 13642, 13645, 13647, 13649, 13652, 13654, 13656, 13659, 13661, 13663, 18548
\bidi@p@xLTrfootnote .. 2132, 2173, 2255	\bidi@prepend 3080, 3123	\bidi@redefine@newpage 3600, 3640
\bidi@p@xLTrftntext 2131, 2158, 2178, 2254	\bidi@preto 2873, 2904, 3128	\bidi@reflect@box 14111, 14118, 18375, 18382, 18384
\bidi@p@xRTLfootnote ... 2134, 2181, 2257	\bidi@pretocmd 3076, 3077, 3197	\bidi@renew@command .. 2819, 2821, 2835
\bidi@p@xRTLftntext 2133, 2161, 2186, 2256	\bidi@PreventPackageFromLoading 3406, 3420, 3450, 3483	\bidi@renewrobustcmd 2819
\bidi@patch@@AfterPackage 3698, 3703	\bidi@process@envbody ... 2606, 2610, 2611, 2625, 2630, 2634, 2635, 2649	\bidi@ReplaceClass 3290
\bidi@patch@Add 3685, 3714	\bidi@protected 2846, 2868, 2869, 2890, 2891, 2899, 2900, 2908, 2909	\bidi@replacefile@msg 3227, 3251, 3266, 3304
\bidi@patch@AfterPackage ... 3688, 3692, 3695, 4640, 4642, 4645, 4666, 4814, 4864, 4920, 5164	\bidi@protected@cseappto 2899	
\bidi@patch@counter 3666, 3670, 3673, 3679, 3680, 3699	\bidi@protected@csxappto 2900	
\bidi@patch@temp 3706, 3713	\bidi@protected@csxpreto 2909	
	\bidi@protected@eappto 2868	



\bidi@ReplaceInput	3274	3425, 3436,	\bidiGscale@Box	...	10901, 10902
\bidi@ReplacePackage	..... 3287	3488, 3490, 3568	\bidiGscale@box	...	10878, 10879, 10898
\bidi@RequirePackage	.. 3426, 3486, 3537	3312, 3315, 3316,	\bidiGscale@box@odd	...	10910, 10914, 10920
\bidi@ResetPreventPackageFromLoading	..... 3478,	3318, 3337, 3349,	\bidiGscale@box@dddd	..... 10916, 10927	
	3484, 3493, 3532	3363, 3380, 3391	\bidi@StorePreventPackageFromLoading	..... 18564	
\bidi@resrvda	2969,	\bidi@SOUL@ulleaders			
	2970, 2971, 2974,	..... 17074, 17080			
	2975, 2976, 2977,	\bidi@tempa	1786, 1792,		
	2978, 2979, 2984,	1798, 1810, 1816, 1822			
	2987, 2999, 3000,	\bidi@tempb	1786, 1787,		
	3001, 3002, 3003,	1792, 1793, 1798,			
	3005, 3006, 3015,	1799, 1810, 1811,			
	3017, 3031, 3032,	1816, 1817, 1822, 1823			
	3034, 3036, 3037,	\bidi@todonotes@tempa	..... 18000, 18008		
	3112, 3113, 3114,				
	3115, 3116, 3117,	\bidi@todonotes@tempb	..... 18000,		
	3118, 3119, 3120	18001, 18008, 18009			
\bidi@resrvdb	2971, 2972	\bidi@undef	.....	
\bidi@restore@newpage	.. 3585, 3602, 3632	... 2979, 3058,	3120, 3133, 3146		
\bidi@RTL@everypar		\bidi@undefined	.. 3058		
	9589, 9601, 9613,	\bidi@UnPreventPackageFromLoading	..... 3498		
	9638, 9652, 9666,	\bidi@UnReplaceClass	..... 3301		
	14047, 14051,	\bidi@UnReplaceInput	..... 3278		
	17033, 18307, 18311	\bidi@UnReplacePackage	..... 3298		
\bidi@st@tfftextcol	..... 10210, 10214	\bidi@warning	.....	
\bidi@samed@checkend	.. 3577, 3580, 3598	... 2791, 3174,	3188, 3200, 3214		
\bidi@samed@clearpage	.. 3582, 3583, 3586	\bidi@xappto	.....	
\bidi@samed@dofilelist	..... 3588,	.. 2863, 2869, 2898	\bidi@xargdef	2801, 2809	
	3591, 3592, 3599	\bidi@xpreto	.....	2885, 2891, 2907	
\bidi@samed@eqno	... 14122,	\bidi@color	... 6432,		
	14124, 14125,	6488, 6503, 6505,	10211, 18250,		
	18905, 18907, 18908	18297, 18300, 18301			
\bidi@samed@leqno	..... 14123,	\bidi@date	..... 1718,		
	14124, 14125,	1720, 1734, 1834, 1851			
\bidi@samed@newpage	..... 3601, 3612				
\bidi@samed@RequirePackage	..... 3405,				



<code>\bidipoem@p@xftntext</code>	<code>\blacktriangleright</code>	10716,	10723,
5490, 5501, 5610,	..... 10618, 10620	10726,	10740,
5624, 5714, 5728	<code>\bm@b</code> 18626	10776,	10783,
<code>\bidipoem@p@xLTRfootnote</code>	<code>\bm@l</code> 18623	10786,	10796,
... 5493, 5504,	<code>\bm@r</code> 18624	10805,	10808,
5626, 5717, 5731	<code>\bm@t</code> 18625	10846,	10849,
<code>\bidipoem@p@xLTRftntext</code>	<code>\bool</code> .. 12639, 12655,	10892,	10895,
5492, 5503, 5613,	12698, 12704,	10925,	10942,
5631, 5716, 5730	12719, 12742,	12011,	12395,
<code>\bidipoem@p@xRTLfootnote</code>	12745, 12765,	12715,	12973,
... 5495, 5506,	12770, 12782,	12983,	12988,
5633, 5719, 5733	12799, 12800,	13023,	13024,
<code>\bidipoem@p@xRTLftntext</code>	12803, 12820,	13025,	13026,
5494, 5505, 5616,	12845, 12852,	13165,	13199,
5638, 5718, 5732	12858, 12864,	13235,	13291,
<code>\bidipoem@set@verse</code>	12874, 12881,	13294,	13317,
.. 5415, 5418, 5420	12903, 13015,	13369,	13374,
<code>\bidipoem@set@verseI</code>	13018, 13026, 13029	13510,	13516,
..... 5414, 5417	<code>\boolean</code> ... 177, 182,	13531,	13539,
<code>\bidipoem@spreadbox</code>	190, 383, 386,	13922,	13926,
... 5404, 5426,	392, 510, 513, 519,	13942,	13976,
5428, 5429, 5430	3745, 3815, 3817,	13980,	13985,
<code>\bidirlap</code> 18563	3820, 3824, 3827,	13989,	14001,
<code>\bidituftefloatDebugInfoNL</code>	3830, 3855, 3951,	14012,	14026,
... 3745, 3843,	3966, 3971, 3991,	14029,	14033,
3847, 4136, 4185	3998, 4006, 4023,	14038,	14115,
<code>\bidituftefloatError</code>	4043, 4047, 4065,	14160,	14163,
..... 3744, 4231	4066, 4069, 4070,	15209,	15218,
<code>\bidituftefloatInfoNL</code>	4105, 4114, 4125,	15256,	15267,
.. 3745, 3746, 4300	4867, 4871, 4919,	15751,	15761,
<code>\bidituftefloatRecalculate</code>	5132, 5269, 5338,	16318,	16328,
..... 3872, 3883	5349, 10225, 13812	16438,	16444,
<code>\bidituftehyperrefLoadHyperref</code>	<code>\botmark</code> .. 10207, 18893	16450,	16456,
..... 5122, 5133	<code>\box</code> ... 168, 170, 2324,	16462,	16468,
<code>\bidituftesidenotemarginpar</code>	2330, 4286, 6347,	16474,	16480,
.. 4316, 4668, 4824	6471, 6628, 6631,	16486,	16950,
<code>\bidituftetocError</code>	6648, 6652, 6659,	16960,	17278,
.. 4853, 4900, 4909	6665, 6667, 6673,	17304,	17322,
<code>\bidiversion</code> ... 1719,	6674, 6695, 6701,	18194,	18195,
1720, 1734, 1835, 1851	6706, 6712, 6713,	18205,	18379,
<code>\bigskip</code> 14173	6768, 6771, 6776,	18566,	18646,
<code>\bigskipamount</code>	6781, 6805, 6941,	18651,	18653,
.. 8164, 8169, 9749	6945, 6969, 7251,	18664,	18670,
<code>\bl</code> 13953, 13954,	7272, 7288, 7345,	18675,	18790,
13957, 13958,	8178, 8183, 9538,	18806,	18817,
13959, 13963,	9553, 9563, 9791,	18830,	18832,
14018, 14025, 14029	10041, 10043,	18880, 18882, 18902	
<code>\blacktriangleleft</code>	10073, 10077,	<code>\boxdef</code> .. 2028, 2030,	
..... 10618, 10620	10120, 10202,	2036, 2041, 2046	
	10228, 10233,	<code>\boxmaxdepth</code>	



...	7243, 7248,	\bx@H	4172, 4213	\bx@XX	4209, 4229
7264, 7269, 7296,		\bx@h	4152, 4178, 4219	\bx@Y	4143, 4176, 4217
7353, 8122, 9772,		\bx@HH	4193, 4225	\bx@y	4169, 4182, 4223
9979, 10669, 10671		\bx@I	4172, 4213	\bx@YY	4210, 4229
\br	13953, 13955,	\bx@i	4153, 4178, 4219	\bx@Z	4144, 4176, 4217
	13957, 13958,	\bx@II	4194, 4225	\bx@z	4170, 4182, 4223
	13959, 13963,	\bx@J	4172, 4213	\bx@ZZ	4211, 4229
	14019, 14025, 14033	\bx@j	4154, 4178, 4219		
\BR@b@bibitem	4521, 4522	\bx@JJ	4195, 4225	C	
\BR@bibitem	4524, 4525	\bx@K	4173, 4214	\c	12699, 12700,
\BR@c@bibitem	4526	\bx@k	4155, 4179, 4220		12714, 12771,
\bracetext	1782,	\bx@KK	4196, 4226		12976, 13034, 13063
	1884, 14053,	\bx@L	4173, 4214	\c@abspage	10300
	14054, 18313, 18314	\bx@l	4156, 4179, 4220	\c@addvipersep	13236,
\break	12352	\bx@LL	4197, 4226		13254, 13259,
\BreakBibliography		\bx@M	4173, 4214		13281, 13308,
	15623,	\bx@m	4157, 4179, 4220		13318, 13336,
	15655, 15657,	\bx@MM	4198, 4226		13341, 13363, 13387
	15663, 16190,	\bx@N	4173, 4214	\c@algocf	164
	16222, 16224,	\bx@n	4158, 4179, 4220	\c@chapter	5851,
	16230, 16822,	\bx@NN	4199, 4226		5853, 5855, 6027,
	16854, 16856, 16862	\bx@O	4174, 4215		6029, 6031, 6272,
\bs	1996, 1997, 1999	\bx@o	4159, 4180, 4221		6274, 6276, 6277,
\bslice	13973,	\bx@OO	4200, 4227		7882, 7884, 7886,
	13974, 13976,	\bx@P	4174, 4215		7887, 9972, 9974,
	13986, 13987,	\bx@p	4160, 4180, 4221		9976, 10237,
	13989, 14009,	\bx@PP	4201, 4227		10239, 10241,
	14010, 14012,	\bx@Q	4174, 4215		10242, 10250,
	14036, 14037, 14038	\bx@q	4161, 4180, 4221		10252, 10254,
\bx@A	4171, 4212	\bx@QQ	4202, 4227		10255, 12049,
\bx@a	4145, 4177, 4218	\bx@R	4174, 4215		13127, 13712,
\bx@AA	4184, 4186, 4224	\bx@r	4162, 4180, 4221		14400, 14402,
\bx@B	4171, 4212	\bx@RR	4203, 4227		14404, 14765,
\bx@b	4146, 4177, 4218	\bx@S	4135, 4137, 4175, 4216		14767, 14769,
\bx@BB	4187, 4224	\bx@s	4163, 4181, 4222		14953, 14955,
\bx@C	4171, 4212	\bx@SS	4204, 4228		14957, 15134,
\bx@c	4147, 4177, 4218	\bx@T	4138, 4175, 4216		15136, 15138, 15139
\bx@CC	4188, 4224	\bx@t	4164, 4181, 4222	\c@colht	13236,
\bx@D	4171, 4212	\bx@TT	4205, 4228		13248, 13274,
\bx@d	4148, 4177, 4218	\bx@U	4139, 4175, 4216		13275, 13318,
\bx@DD	4189, 4224	\bx@u	4165, 4181, 4222		13330, 13356, 13357
\bx@E	4171, 4212	\bx@UU	4206, 4228	\c@curpg	10134, 10161, 10162
\bx@e	4149, 4177, 4218	\bx@V	4140, 4175, 4216	\c@DFNsloppiness	7241, 7262
\bx@EE	4190, 4224	\bx@v	4166, 4181, 4222		
\bx@F	4172, 4213	\bx@VV	4207, 4228	\c@enumiv	793,
\bx@f	4150, 4178, 4219	\bx@W	4141, 4176, 4217		800, 927, 934,
\bx@FF	4191, 4225	\bx@w	4167, 4182, 4223		1189, 1196, 1438,
\bx@G	4172, 4213	\bx@WW	4208, 4229		1445, 2578, 5821,
\bx@g	4151, 4178, 4219	\bx@X	4142, 4176, 4217		5828, 6008,
\bx@GG	4192, 4225	\bx@x	4168, 4182, 4223		6015, 6316, 6323,



7657, 7664, 7927, 7934, 9865, 9872, 14381, 14388, 14774, 14781, 14967, 14974, 15169, 15176, 15631, 15640, 15647, 16198, 16207, 16214, 16830, 16839, 16846, 17369, 17376	\c@lstlisting 12049, 12051 \c@LT@chunks 12378 \c@LT@tables 2296 \c@mpfootnote 10496, 10509, 10522, 10546, 12483 \c@NAT@ctr 13671 \c@page 5276, 7404, 7421, 10134, 10161, 18157, 18786 \c@paragraph . . . 768, 921, 1174, 1432, 5848, 6024, 6281, 7768, 7891, 9969, 10246, 10259, 13122, 14397, 14762, 14961, 15143, 15608, 16151, 16795 \c@poem@no . . . 5545, 5595, 5646, 5657 \c@secnumdepth 306, 771, 780, 6091, 6286, 7627, 7636, 7896, 9836, 14177, 15148 \c@section . . . 5845, 6021, 6278, 7888, 9966, 10243, 10256, 13116, 13722, 14394, 14759, 14958, 15140, 16145, 16789 \c@subparagraph 769, 922, 1175, 1433, 5849, 6025, 6282, 7769, 7892, 9970, 10247, 10260, 13124, 14398, 14763, 14962, 15144, 15610, 16153, 16797 \c@subsection . . 766, 919, 1172, 1430, 5846, 6022, 6279, 7766, 7889, 9967, 10244, 10257, 13118, 14395, 14760,	14959, 15141, 15604, 16147, 16791 \c@subsubsection 767, 920, 1173, 1431, 5847, 6023, 6280, 7767, 7890, 9968, 10245, 10258, 13120, 14396, 14761, 14960, 15142, 15606, 16149, 16793 \c@table . 5855, 6031, 6276, 7886, 9976, 10241, 10254, 13129, 14404, 14767, 14957, 15138, 16169, 16805 \c@thisframe 10133, 10138, 10174, 10176, 10177 \c@tocdepth . 3, 204, 728, 745, 863, 879, 897, 1089, 1122, 1140, 1344, 1360, 1378, 5756, 5772, 5788, 5932, 5948, 5964, 6234, 6249, 7600, 7614, 7868, 9804, 9819, 13435, 13447, 13459, 14311, 14327, 14343, 14682, 14698, 14714, 14913, 14927, 15096, 15111, 15540, 15573, 16051, 16078, 16106, 16726, 16754, 17445, 17449, 17491, 17510, 17532, 17549, 17566, 17583, 17751, 17947, 18628 \c@twb 6638 \c@twcompctr 6619 \c@twcompodctr . . 6635 \c@twfirst . . . 6620, 6626, 6633, 6637, 6646, 6649
\c@equation . . 5851, 6027, 6272, 7497, 7566, 7882, 9972, 10237, 10250, 13127, 14400, 14769, 14953, 15134, 16177, 16809 \c@figure 5853, 6029, 6274, 7884, 9974, 10239, 10252, 13128, 14402, 14765, 14955, 15136, 16161, 16801 \c@footnote . . . 124, 320, 673, 963, 1022, 1214, 1273, 1463, 1522, 1923, 5866, 6042, 6179, 7716, 7813, 9916, 10568, 10582, 11331, 11441, 11449, 11479, 11487, 12408, 12411, 14417, 14476, 14556, 14617, 14812, 14855, 15041, 15385, 15449, 15896, 15960, 16571, 16635 \c@L@depth 11967 \c@L@lines . 11968, 11970 \c@ll@chapseci . . . 6513 \c@ll@chapsecii . . 6508 \c@lofdepth 17600, 17637 \c@lor@error . . 6477, 6484, 6492, 6498, 18242, 18276 \c@lotdepth 17618, 17657		



\c@twlftside	6624	\cap@left	15750, 15761, 16317, 16328, 16949, 16960	\captionformat 15704, 15725, 15730, 15735, 15740, 15758, 16271, 16292, 16297, 16302, 16307, 16325, 16903, 16924, 16929, 16934, 16939, 16957
\c@twlspec	6638, 6641, 6645	\cap@margin	15693, 16260, 16892	\captionlabelfalse 12041
\c@twprune	6624, 6625, 6641, 6645	\cap@right	15752, 15761, 16319, 16328, 16951, 16960	\catcode 1836, 1887, 2986, 4493, 4515, 5443, 5444, 5446, 5447, 10627, 10628, 10743
\c@twrounds	6636, 6639, 6642, 6654	\cap@width	15716, 15719, 15722, 16283, 16286, 16289, 16915, 16918, 16921	\Centering 14187
\c@twslicea	6622, 6624, 6628, 6631, 6640, 6641, 6648, 6652	\capfont 15703, 15724, 15729, 15734, 15738, 15757, 15761, 16270, 16291, 16296, 16301, 16305, 16324, 16328, 16902, 16923, 16928, 16933, 16937, 16956, 16960		\centering 305, 7098, 7111, 7227, 10011, 10016, 11064, 11149, 11165, 13150, 13152, 13154, 15432, 15943, 16618
\c@twsliceb	6623, 6625, 6628, 6631, 6644, 6645, 6648, 6652	\caplabelfont . 15704, 15725, 15730, 15735, 15740, 15758, 16271, 16292, 16297, 16302, 16307, 16325, 16903, 16924, 16929, 16934, 16939, 16957		\CenteringLeftskip 14192
\c@twwinlines 6621, 6634		\caption 3960, 3961, 3963, 4013, 11034, 11052, 12355, 13203, 13205		\CenteringParfillskip 14195
\c@zabspage	10300	\caption@@par 6424		\CenteringParindent 14196
\cals@activate@rtl 6389		\caption@hangindent 6425		\CenteringRightskip 14193
\cals@borderB	6410	\caption@makecaption 6422		\centerline 309, 10723, 10740, 14126, 18550
\cals@borderL	6407	\caption@parindent 6425		\cftbeforechapskip 17493
\cals@borderR	6408	\caption@startrue 12043		\cftbeforefigskip 17601
\cals@borderT	6409	\captionabove . 15809, 15814, 16376, 16381, 17008, 17013		\cftbeforeparaskip 17567
\cals@current@context 6402		\captionbelow . 15811, 15816, 16378, 16383, 17010, 17015		\cftbeforepartskip 17461
\cals@last@context 6401				\cftbeforesecskip 17512, 17515
\cals@paddingL 6415, 6419				\cftbeforesubfigskip 17638
\cals@paddingR 6416, 6420				\cftbeforesubparaskip 17584
\cals@set@tohsize 6404				\cftbeforesubsecskip 17533
\cals@setcellprevdepth 6404				\cftbeforesubsubsecskip 17550
\cals@setpadding . 6404				\cftbeforesubtabskip 17658
\cals@tbreak@tokens 6399				\cftbeforetabskip 17619
\cals@tfoot@height 6400				
\cals@tfoot@tokens 6398, 6412				
\cals@thead@tokens 6397				
\CAny 2017				
\cAny 2025				
\cap@indent 15728, 15731, 15736, 15738, 15739, 16295, 16298, 16303, 16305, 16306, 16927, 16930, 16935, 16937, 16938				



\cftchapaftersnum	17502	\cftsubfigaftersnum		\cftsubtabnumwidth	17665
\cftchapaftersnumb	17503		17648	\cftsubtabpresnum	17666
\cftchapfillnum	17506	\cftsubfigfillnum	17651	\cfttabaftersnum	17628
\cftchapfont	17505	\cftsubfigfont	17650	\cfttabaftersnumb	17629
\cftchapindent		\cftsubfigindent		\cfttabfillnum	17632
	17494, 17497, 17744		17639, 17642	\cfttabfont	17631
\cftchapnumwidth		\cftsubfignumwidth	17645	\cfttabindent	
	17500, 17745	\cftsubfigpresnum	17646		17620, 17623
\cftchappresnum	17501	\cftsubparaaftersnum		\cfttabnumwidth	17626
\cftchapterprecistoc			17593	\cfttabpresnum	17627
	17743	\cftsubparaaftersnumb		\chapnumfont	14176
\cftdot	17441		17594	\chapter	4865,
\cftdotfill	17735	\cftsubparafillnum	17597		4893, 4963, 4971,
\cftdotsep	17734	\cftsubparafont	17596		5087, 5093, 5818,
\cftfigaftersnum	17610	\cftsubparaindent			6005, 6313, 7924,
\cftfigaftersnumb	17611		17585, 17588		9862, 14378,
\cftfigfillnum	17614	\cftsubparanumwidth			14771, 14964, 15166
\cftfigfont	17613		17591	\chapterheadendvskip	
\cftfigindent		\cftsubparapresnum	17592		14182
	17602, 17605	\cftsubsecaftersnum		\chapterheadstartvskip	
\cftfignumwidth	17608		17542		14174
\cftfigpresnum	17609	\cftsubsecaftersnumb		\chaptermark	5350, 17404
\cftparaaftersnum	17576		17543	\chaptername	310, 13136
\cftparaaftersnumb	17577	\cftsubsecfillnum	17546	\chapterstyle	13131
\cftparafillnum	17580	\cftsubsecfont	17545	\char	2000, 2001
\cftparafont	17579	\cftsubsecindent		\chardef	
\cftparaindent			17534, 17537		10627, 11986, 11987
	17568, 17571	\cftsubsecnumwidth	17540	\check@floats	6826, 6991
\cftparanumwidth	17574	\cftsubsecpresnum	17541	\CheckCommand	3218,
\cftparapresnum	17575	\cftsubsubsecaftersnum			11438, 11476, 14238
\cftpartaftersnum	17471		17559	\checkoddpage	3854
\cftpartaftersnumb	17472	\cftsubsubsecaftersnumb		\CIIAny	2018
\cftpartfillnum	17475		17560	\ciiiAny	2026
\cftpartfont	17474	\cftsubsubsecfillnum		\circle	6527,
\cftpartindent			17563		6530, 6537, 6540,
	17463, 17466	\cftsubsubsecfont	17562		6550, 6553, 6560,
\cftpartnumwidth	17469	\cftsubsubsecindent			6563, 6573, 6576,
\cftpartpresnum			17551, 17554		6583, 6586, 6596,
	17470, 17474	\cftsubsubsecnumwidth			6599, 6606, 6609
\cftsecaftersnum	17525		17557	\cite	4530,
\cftsecaftersnumb	17526	\cftsubsubsecpresnum			4622, 4628, 4629,
\cftsecfillnum	17529		17558		4720, 4725, 4746,
\cftsecfont	17528	\cftsubtabaftersnum			4754, 4775, 4783,
\cftsecindent			17667		4804, 4822, 4826,
	17517, 17520	\cftsubtabaftersnumb			4831, 4835, 4840,
\cftsecnumwidth	17523		17668		4844, 13680, 13681
\cftsecpresnum	17524	\cftsubtabfillnum	17671	\citeasnoun	13681
\cftsubfigaftersnum		\cftsubtabfont	17670	\citeN	13680
	17647	\cftsubtabindent		\cites	4623
			17659, 17662	\cl@ckpt	17166



\ClassInfo	5307, 5372, 15820, 16387, 17019	14866, 15047, 15453, 15964, 16639	10542, 12420, 18501
\ClassWarning	.....	\col@sep	\color@block 6470, 18205
	15442, 15953, 16628	. 599, 627, 6428,	\color@box . 6503, 18297
\ClassWarningNoLine		6429, 12367, 18392	\color@endbox . 2268,
.....	13187	\color 177, 1957, 1958,	4352, 4396, 4440,
\clear	..... 3623	1959, 1960, 2503,	15281, 15291,
\cleardoubleemptypage	..... 15389,	6473, 6476, 6479,	15309, 18728,
	15434, 15900,	6497, 6500, 7092,	18772, 18877, 18887
	15945, 16575, 16620	7095, 7105, 7223,	\color@endgroup 4681,
\cleardoublepage	..	11893, 12446, 18207	4698, 4715, 5722,
	... 5229, 5274,	\color@ 18247, 18294	8000, 8016, 8032,
	5276, 5333, 5346,	\color@b@x 6465,	8046, 8059, 8072,
	5360, 6307, 7918	6503, 6505,	8159, 8214, 8224,
\clearpage	.... 823,	18200, 18297, 18300	8234, 8260, 8273,
	839, 1087, 1338,	\color@begingroup .	8285, 8312, 8325,
	3582, 3583, 3586,	. . . . 4677, 4694,	8363, 8372, 8381,
	4232, 5241, 5276,	4711, 5720, 5734,	8406, 8418, 8429,
	5362, 5750, 5926,	7996, 8012, 8028,	8455, 8467, 8505,
	6135, 6309, 7920,	8041, 8054, 8067,	8515, 8525, 8551,
	14287, 14541,	8212, 8222, 8232,	8564, 8576, 8603,
	14998, 15497,	8258, 8271, 8283,	8616, 8654, 8664,
	16008, 16683, 17438	8310, 8323, 8361,	8674, 8700, 8713,
\clipbox@@	..... 14162	8370, 8379, 8404,	8725, 8752, 8765,
\closing	... 7957, 16494	8416, 8427, 8453,	8803, 8813, 8823,
\clubpenalty	.... 88,	8465, 8503, 8513,	8849, 8862, 8874,
	297, 802, 803,	8523, 8549, 8562,	8901, 8914, 8952,
	935, 1197, 1446,	8574, 8601, 8614,	8962, 8972, 8998,
	2579, 5561, 5829,	8652, 8662, 8672,	9011, 9023, 9050,
	6016, 6325, 6326,	8698, 8711, 8723,	9063, 9101, 9111,
	7665, 7936, 7937,	8750, 8763, 8801,	9121, 9147, 9160,
	9873, 13677,	8811, 8821, 8847,	9172, 9199, 9212,
	14389, 14782,	8860, 8872, 8899,	9250, 9260, 9270,
	14976, 14977,	8912, 8950, 8960,	9296, 9309, 9321,
	15178, 15179,	8970, 8996, 9009,	9348, 9361, 9399,
	15649, 16216,	9021, 9048, 9061,	9409, 9419, 9445,
	16848, 17378, 17379	9099, 9109, 9119,	9458, 9470, 9497,
\coffefont	..... 13455	9145, 9158, 9170,	9510, 9598, 9610,
\col@number	128, 133,	9197, 9210, 9248,	9622, 9648, 9662,
	135, 138, 139, 146,	9258, 9268, 9294,	9676, 9711, 9725,
	679, 1028, 1279,	9307, 9319, 9346,	9781, 10450,
	1528, 2275, 6185,	9359, 9397, 9407,	10466, 10481,
	7722, 7819, 9922,	9417, 9443, 9456,	10507, 10520,
	13094, 13397,	9468, 9495, 9508,	10533, 10563, 18503
	13479, 13484,	9596, 9608, 9620,	\color@fb@x 18298, 18299
	13551, 13552,	9646, 9660, 9674,	\color@fbbox 6504, 18298
	13554, 13557,	9709, 9723, 9777,	\color@hbox
	13558, 13565,	10447, 10463,	.. 15278, 15288,
	14482, 14623,	10478, 10504,	15306, 18874, 18884
		10517, 10530,	\color@setgroup
			..... 6506, 18302



<code>\color@vbox</code> .. 2246, 4343, 4387, 4431, 18719, 18763	8009, 8025, 8038, 8051, 8064, 8255, 8267, 8280, 8320, 8401, 8412, 8424, 8462, 8546, 8558, 8571, 8611, 8695, 8707, 8720, 8760, 8844, 8856, 8869, 8909, 8993, 9005, 9018, 9058, 9142, 9154, 9167, 9207, 9291, 9303, 9316, 9356, 9440, 9452, 9465, 9505, 9642, 9656, 9670, 9719, 9855, 9859, 10039, 10041, 10043, 10045, 10073, 10077, 10358, 10361, 10363, 10443, 10459, 10474, 10500, 10513, 10526, 10544, 10758, 10765, 10782, 10785, 10802, 10804, 10807, 10810, 11006, 11007, 11865, 11869, 12423, 13286, 13290, 13293, 13295, 13368, 13373, 13394, 13423, 13429, 13581, 13585, 13589, 13593, 14375, 14796, 14946, 14950, 15127, 15131, 15370, 15679, 15684, 15881, 16246, 16251, 16416, 16420, 16556, 16878, 16883, 18649, 18651, 18653, 18655, 18669, 18674, 18811, 18813	.... 4924, 4931, 4938, 4945, 4952 <code>\contentsline</code> 11269 <code>\contentsmargin</code> .. 17344 <code>\contentspush</code> 17318 <code>\convertcolorspec</code> 18221, 18224, 18264, 18267 <code>\Coord</code> 2014 <code>\coord</code> 2019 <code>\CoordIII</code> 2016 <code>\coordiii</code> 2021 <code>\Coordn</code> 2015 <code>\coordn</code> 2020 <code>\Coordx</code> .. 2011, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2025, 2026 <code>\coordx</code> 2022 <code>\Coordy</code> .. 2012, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2025, 2026 <code>\coordy</code> 2023 <code>\Coordz</code> .. 2013, 2016, 2018, 2021, 2026 <code>\coordz</code> 2024 <code>\copy</code> 2321, 2333, 2337, 4339, 4383, 4427, 6380, 6747, 6753, 6913, 6925, 7252, 7273, 10022, 10054, 10837, 10883, 14046, 14114, 14184, 18378, 18715, 18759, 18822 <code>\cor@height</code> .. 13243, 13244, 13271, 13272, 13308, 13325, 13326, 13353, 13354, 13387 <code>\count</code> 2241, 4328, 4372, 4416, 8170, 8198, 8301, 8347, 8444, 8489, 8592, 8638, 8741, 8787, 8890, 8936, 9039, 9085, 9188, 9234, 9337, 9383, 9486, 9574,
<code>\color@vbox</code> .. 2246, 4343, 4387, 4431, 18719, 18763		
<code>\colorA</code> . 6093, 6102, 6114		
<code>\colorB</code> 6099, 6105, 6111, 6117		
<code>\colorblend</code> .. 18214, 18215, 18257, 18258		
<code>\colorbox</code> 2073, 2075, 2076		
<code>\columncolor</code> . 1682, 6436		
<code>\columnsep</code> 95, 225, 816, 832, 1080, 1331, 1906, 2412, 5743, 5919, 6128, 6668, 6772, 10044, 10809, 13296, 13394, 13487, 13533, 14280, 14534, 14991, 18162, 18167, 18171, 18177, 18180, 18654		
<code>\columnseprule</code> .. 95, 225, 815, 831, 1079, 1330, 1907, 2413, 5742, 5918, 6127, 6664, 6703, 6766, 6778, 6943, 10040, 10075, 10784, 10803, 13288, 13371, 13512, 13523, 14279, 14533, 14990, 18650, 18672		
<code>\columnseprulecolor</code> 13511, 13522		
<code>\columnwidth</code> 28, 40, 53, 68, 238, 249, 262, 276, 760, 764, 949, 1183, 1428, 2258, 5843, 5996, 6265, 6269, 6376, 6663, 6665, 6667, 6669, 6700, 6705, 6765, 6767, 6770, 6773, 6775, 6780, 6941, 6945, 7241, 7262, 7672, 7676, 7970, 7974, 7983, 7993,		
	<code>\contentslabel</code>	



	9693, 10144,	2904, 2905, 2906,	9337, 9345, 9358,
	10777, 10797,	2907, 2990, 2991,	9396, 9406, 9416,
	18704, 18748, 18851	2994, 2995, 3170,	9442, 9455, 9467,
\count@	.. 1622, 1681,	3172, 3184, 3186,	9485, 9486, 9494,
	2681, 2686, 3670,	3224, 3227, 3231,	9507, 9594, 9606,
	3671, 3673, 6434,	3248, 3251, 3253,	9618, 9644, 9658,
	13474, 13475,	3263, 3266, 3268,	9672, 9692, 9693,
	13477, 13479,	3275, 3280, 3285,	9707, 9721, 9981,
	13486, 13507,	3295, 3311, 3314,	10122, 10123,
	13508, 13510,	3328, 3340, 3372,	10128, 10129,
	13527, 13528,	3383, 3467, 3470,	10219, 10220,
	13531, 13778,	3510, 3559, 3699,	10221, 10222,
	13786, 13799, 17205	3720, 3783, 4075,	10224, 10226,
\counterwithout	13132,	4076, 4083, 4084,	10227, 10228,
	13133, 13134, 13135	4484, 4675, 4692,	10229, 10231,
\cr	..... 615, 5508,	4709, 4740, 4769,	10232, 10233,
	5515, 5571, 8181,	4798, 5040, 5566,	10290, 10314,
	8185, 8187, 12382,	5601, 5604, 5607,	10332, 10418,
	17110, 17149, 18600	5621, 5628, 5635,	10427, 10445,
\crrcr	..... 626,	5643, 5644, 5682,	10461, 10476,
	2139, 2285, 5511,	5707, 5708, 6479,	10503, 10516,
	17097, 17129,	6485, 6493, 6500,	10529, 10576,
	18403, 18408, 18586	7017, 7995, 8011,	10591, 11271,
\CROP@llc	..... 6569	8027, 8040, 8053,	11274, 11276,
\CROP@lrc	..... 6592	8066, 8211, 8221,	11280, 11284,
\CROP@ulc	..... 6523	8231, 8257, 8270,	11298, 11309,
\CROP@urc	..... 6546	8282, 8300, 8301,	11320, 11520,
\CROP@execopt	.... 6616	8309, 8322, 8360,	11551, 11582,
\cs	12557, 12608, 12626,	8369, 8378, 8403,	11897, 11900,
	12677, 12692,	8415, 8426, 8443,	12238, 12304,
	12921, 12980,	8444, 8452, 8464,	13216, 13217,
	13030, 13031, 13042	8502, 8512, 8522,	13224, 15322,
\csname	..... 8, 43,	8548, 8561, 8573,	15326, 15330,
	56, 71, 162, 164,	8591, 8592, 8600,	15833, 15837,
	209, 252, 265,	8613, 8651, 8661,	15841, 16508,
	279, 335, 336,	8671, 8697, 8710,	16512, 16516,
	603, 1585, 2102,	8722, 8740, 8741,	17100, 17127,
	2103, 2117, 2118,	8749, 8762, 8800,	17129, 17161,
	2145, 2148, 2151,	8810, 8820, 8846,	17183, 17185,
	2167, 2175, 2183,	8859, 8871, 8889,	17201, 17202,
	2238, 2296, 2609,	8890, 8898, 8911,	17222, 17229,
	2610, 2633, 2634,	8949, 8959, 8969,	17421, 17684,
	2661, 2688, 2692,	8995, 9008, 9020,	17685, 17701,
	2697, 2699, 2703,	9038, 9039, 9047,	17702, 17703,
	2704, 2713, 2755,	9060, 9098, 9108,	17710, 17712,
	2765, 2771, 2772,	9118, 9144, 9157,	17713, 17779,
	2774, 2775, 2777,	9169, 9187, 9188,	17781, 17788,
	2778, 2780, 2816,	9196, 9209, 9247,	17789, 17793,
	2817, 2840, 2895,	9257, 9267, 9293,	17798, 17802,
	2896, 2897, 2898,	9306, 9318, 9336,	17813, 17814,



2019, 2020, 2021,
2022, 2023, 2024,
2025, 2026, 2031,
2042, 2073, 2074,
2075, 2076, 2083,
2089, 2095, 2103,
2108, 2110, 2118,
2123, 2124, 2139,
2144, 2147, 2150,
2155, 2158, 2161,
2165, 2173, 2181,
2188, 2190, 2191,
2193, 2262, 2271,
2284, 2311, 2425,
2426, 2427, 2428,
2429, 2430, 2432,
2433, 2451, 2452,
2455, 2456, 2457,
2458, 2459, 2460,
2461, 2462, 2463,
2464, 2465, 2466,
2467, 2582, 2603,
2604, 2607, 2613,
2616, 2627, 2628,
2631, 2637, 2640,
2651, 2653, 2656,
2660, 2666, 2674,
2675, 2676, 2677,
2678, 2679, 2680,
2687, 2688, 2692,
2696, 2698, 2743,
2751, 2772, 2780,
2781, 2782, 2788,
2790, 2791, 2792,
2795, 2797, 2799,
2805, 2809, 2812,
2821, 2832, 2834,
2835, 2846, 2919,
2938, 2970, 2971,
2972, 2983, 2997,
3000, 3001, 3013,
3025, 3029, 3032,
3045, 3054, 3082,
3110, 3113, 3114,
3122, 3123, 3132,
3145, 3161, 3249,
3252, 3261, 3264,
3416, 3427, 3466,
3579, 3589, 3602,
3656, 3666, 3668,

3673, 3678, 3684,
3685, 3688, 3695,
3703, 3718, 3778,
3801, 3892, 3913,
3917, 3930, 4004,
4073, 4091, 4097,
4134, 4259, 4261,
4262, 4263, 4272,
4274, 4275, 4276,
4280, 4282, 4288,
4289, 4316, 4330,
4333, 4337, 4341,
4354, 4360, 4374,
4377, 4381, 4385,
4398, 4404, 4418,
4421, 4425, 4429,
4442, 4479, 4494,
4509, 4514, 4640,
4642, 4670, 4687,
4704, 4724, 4753,
4782, 5002, 5039,
5047, 5276, 5414,
5415, 5417, 5435,
5436, 5439, 5449,
5450, 5451, 5452,
5458, 5461, 5472,
5473, 5474, 5484,
5510, 5514, 5521,
5543, 5562, 5563,
5564, 5570, 5600,
5603, 5606, 5610,
5613, 5616, 5619,
5626, 5633, 5643,
5644, 5645, 5655,
5659, 5662, 5667,
5668, 5669, 5671,
5680, 5686, 5707,
5708, 5831, 5863,
5864, 5872, 6018,
6039, 6040, 6048,
6088, 6108, 6180,
6181, 6212, 6283,
6297, 6329, 6333,
6345, 6358, 6365,
6369, 6372, 6427,
6430, 6433, 6465,
6472, 6475, 6482,
6490, 6496, 6503,
6504, 6506, 6620,
6633, 6636, 6637,

6642, 6649, 6654,
6657, 6692, 6736,
7235, 7239, 7242,
7260, 7263, 7281,
7338, 7396, 7438,
7465, 7467, 7472,
7503, 7504, 7577,
7626, 7645, 7667,
7717, 7718, 7747,
7814, 7815, 7846,
7893, 7908, 7940,
7982, 7989, 8005,
8021, 8037, 8050,
8063, 8090,
8091, 8092, 8103,
8148, 8207, 8217,
8227, 8253, 8265,
8278, 8305, 8318,
8333, 8338, 8356,
8365, 8374, 8399,
8410, 8422, 8448,
8460, 8475, 8480,
8498, 8508, 8518,
8544, 8556, 8569,
8596, 8609, 8624,
8629, 8647, 8657,
8667, 8693, 8705,
8718, 8745, 8758,
8773, 8778, 8796,
8806, 8816, 8842,
8854, 8867, 8894,
8907, 8922, 8927,
8945, 8955, 8965,
8991, 9003, 9016,
9043, 9056, 9071,
9076, 9094, 9104,
9114, 9140, 9152,
9165, 9192, 9205,
9220, 9225, 9243,
9253, 9263, 9289,
9301, 9314, 9341,
9354, 9369, 9374,
9392, 9402, 9412,
9438, 9450, 9463,
9490, 9503, 9518,
9523, 9582, 9590,
9602, 9614, 9640,
9654, 9668, 9694,
9703, 9717, 9833,
9845, 9875, 9917,



9918,	9947,	9978,	11516,	11533,	14047,	14053,
10008,	10013,		11541,	11547,	14054,	14055,
10019,	10051,		11564,	11572,	14064,	14073,
10121,	10132,		11578,	11595,	14081,	14089,
10180,	10269,		11603,	11611,	14090,	14091,
10356,	10360,		11625,	11629,	14092,	14093,
10362,	10364,		11643,	11651,	14094,	14099,
10366,	10368,		11658,	11666,	14100,	14103,
10370,	10371,		11669,	11672,	14105,	14106,
10373,	10377,		11706,	11738,	14107,	14108,
10386,	10388,		11767,	11794,	14110,	14111, 14117,
10395,	10396,		11797,	11799,	14124,	14125,
10413,	10416,		11802,	11811,	14126,	14127,
10422,	10425,		11812,	11816,	14128,	14130,
10433,	10434,		11818,	11819,	14131,	14270,
10435,	10437,		11820,	11822,	14271,	14391,
10453,	10468,		11831,	11833,	14414,	14415,
10495,	10508,		11872,	11893,	14423,	14462,
10521,	10534,		11895,	11896,	14463,	14465,
10540,	10546,		11903,	11908,	14470,	14472,
10553,	10566,		11968,	11999,	14477,	14479,
10570,	10574,		12014,	12015,	14507,	14553,
10580,	10585,		12041,	12043,	14554,	14562,
10589,	10601,		12336,	12348,	14603,	14604,
10615,	10617,		12352,	12353,	14606,	14611,
10619,	10621,		12354,	12361,	14613,	14618,
10629,	10734,		12389,	12399,	14620,	14650,
10744,	10774,		12407,	12410,	14672,	14784,
10794,	10823,		12415,	12481,	14813,	14815,
10827,	10833,		12482,	13090,	14856,	14858,
10835,	10851,		13092,	13142,	14893,	14980,
10862,	10863,		13144,	13192,	15042,	15043,
10865,	10878,		13203,	13214,	15074,	15145,
10879,	10881,		13232,	13314,	15157,	15182,
10897,	10899,		13393,	13401,	15186,	15229,
10902,	10904,		13434,	13446,	15276,	15279,
10905,	10920,		13458,	13472,	15286,	15289,
10927,	10967,		13505,	13519,	15297,	15304,
10968,	10969,		13551,	13579,	15307,	15333,
10970,	10979,		13583,	13587,	15335,	15355,
10981,	11017,		13591,	13595,	15601,	15602,
11269,	11296,		13685,	13699,	15653,	15660,
11307,	11318,		13701,	13708,	15809,	15811,
11329,	11339,		13714,	13794,	15844,	15846,
11350,	11361,		13815,	13819,	15866,	16137,
11372,	11387,		13823,	13825,	16220,	16227,
11402,	11419,		13841,	13853,	16376,	16378,
11445,	11462,		13867,	13917,	16394,	16411,
11470,	11483,		13924,	14043,	16415,	16418,
11500,	11508,		14044,	14046,	16422,	16494,



16519,	16521,	18423,	18424,	\definecolor ..	1948,
16541,	16785,	18425,	18435,		1949, 1950, 1951,
16852,	16859,	18472,	18492,		1952, 2424, 2431,
17008,	17010,	18497,	18498,		7042, 7047, 7050,
17032,	17036,	18503,	18540,		7051, 7052, 7054,
17053,	17074,	18550,	18553,		7055, 7058,
17077,	17092,	18556,	18561,		7059, 7061, 7062,
17097,	17101,	18562,	18563,		7065, 7066, 7068,
17124,	17129,	18564,	18565,		7069, 7072, 7073,
17133,	17143,	18567,	18570,		7075, 7076, 7079,
17159,	17165,	18581,	18586,		7080, 7145, 7146,
17173,	17194,	18590,	18610,		7151, 7152, 7157,
17203,	17204,	18613,	18623,		7158, 7163, 7164,
17220,	17224,	18624,	18625,		7169, 7170, 7570
17227,	17231,	18626,	18627,	\delimiter	10598
17234,	17264,	18644,	18661,	\DEPTH	17267, 17274
17289,	17323,	18692,	18706,	\depth	13025,
17345,	17351,	18709,	18713,		13036, 13038, 13063
17354,	17356,	18717,	18730,	\depthof	7445,
17359,	17382,	18736,	18750,		7450, 7459,
17946,	17967,	18753,	18757,		7460, 7464, 7469
17969,	18125,	18761,	18774,	\descriptionlabel	5080
18168,	18171,	18780,	18820,	\detokenize	2749, 2751,
18177,	18181,	18824,	18825,		2970, 2972, 2973,
18200,	18206,	18826,	18827,		3000, 3015, 3032,
18209,	18231,	18834,	18895,		3035, 3043, 3045,
18240,	18246,	18907,	18908,		3113, 3114, 3462
18252,	18274,	18910,	19022,	\dfn@afteroutput ..	
18280,	18289,	19024,	19028,		..... 7330,
18293,	18297,	19030, 19056, 19058			7333, 7382, 7385
18298,	18299,	\default@color	6472, 18206	\dfn@boxa	
18302,	18307,	\DefaultFindent ..	11879		7239, 7244, 7247,
18313,	18314,	\DefaultLhang	11875		7251, 7252, 7253,
18315,	18324,	\DefaultLoversize	11876		7260, 7265, 7268,
18333,	18341,	\DefaultLraise ...	11877		7272, 7273, 7274,
18349,	18350,	\DefaultNindent ..	11880		7287, 7294, 7297,
18351,	18352,	\DefaultOptionsFile			7299, 7306, 7314,
18353,	18354,	. 11885, 11888, 11891			7344, 7351, 7354,
18359,	18360,	\DefaultSlope	11881	\dfn@boxb	7253,
18363,	18365,	\deffootnote ..	15332,		7274, 7291, 7292,
18366,	18367,		15357, 15843,		7299, 7304, 7348,
18368,	18370,		15868, 16393,		7349, 7356, 7359
18372,	18374,		16413, 16518, 16543	\dfn@countins	7283, 7340
18375,	18381,	\define@choicekey .		\dfn@dima	7244, 7245,
18383,	18388,	.... 1786, 1792,			7246, 7257, 7265,
18390,	18395,	1798, 1810, 1816,			7266, 7267, 7278,
18397,	18403,	1822, 18000, 18008			7282, 7299, 7319,
18407,	18414,	\define@key	17998		7339, 7356, 7371
18416,	18419,				
18421,	18422,				



<code>\dfn@dimb</code> 7319, 7320, 7322, 7323, 7325, 7371, 7372, 7374, 7375, 7377	<code>\dfn@split</code> 7253, 7274, 7287, 7299, 7344, 7356	17057, 17062, 17068
<code>\dfn@elt@adjust</code> 7319, 7371	<code>\DFNalwaysdouble</code> . 7393	<code>\dimen@ii</code> 10687, 10688, 10689, 10695, 10697, 10700, 10701, 10702
<code>\dfn@elt@getht</code> 7284, 7341	<code>\DFNcolumnsep</code> 7302, 7315, 7359	<code>\dimexpr</code> 28, 238, 949, 1183, 1428, 5843, 5996, 12452, 12461, 13394, 13593, 14375, 14796, 15360, 15367, 15370, 15871, 15878, 15881, 16546, 16553, 16556, 18507, 18509, 18510, 18511, 18516, 18518, 18519, 18520, 18525, 18527, 18528, 18529, 18534, 18536, 18537, 18538
<code>\dfn@fnht</code> 7255, 7276, 7317, 7320, 7326, 7327, 7328, 7369, 7372, 7378, 7379, 7380	<code>\DFNcolumnwidth</code> 7236, 7241, 7262, 7301, 7303, 7306, 7316, 7358, 7360	<code>\DiscardVskip</code> 11882
<code>\dfn@fnmaxdp</code> . . . 7243, 7248, 7253, 7264, 7269, 7274, 7296, 7299, 7353, 7356	<code>\dim</code> 12699, 12700, 13023, 13024, 13025	<code>\display@setup</code> 6334, 6359
<code>\dfn@footnoterule</code> 7337, 7389	<code>\dimen</code> 6415, 6416, 6419, 6420, 8131, 8171, 8188, 8189, 8190, 8197, 8300, 8346, 8443, 8488, 8591, 8637, 8740, 8786, 8889, 8935, 9038, 9084, 9187, 9233, 9336, 9382, 9485, 9573, 9584, 9585, 9586, 9587, 9692, 9696, 9697, 9698, 9699, 13491, 13498, 13499, 13507, 13508, 13513, 13514, 13527, 13528, 13535, 13536, 18829, 18832	<code>\displayindent</code> 6375
<code>\dfn@footnotetext</code> 7238	<code>\dimen@</code> 2318, 2319, 2320, 6468, 6469, 9765, 9767, 10637, 10638, 10639, 10649, 10650, 10651, 10654, 10655, 10656, 10662, 10672, 10674, 10683, 10685, 10692, 10693, 10694, 10695, 17055, 17057, 17063, 17069, 18139, 18140, 18141, 18142, 18143, 18144, 18203, 18204	<code>\displaystyle</code> 10095, 10111
<code>\dfn@gobble</code> . . . 7240, 7261	<code>\divide</code> 5422, 8189, 9586, 9698, 9993, 9994, 13958, 13959, 17139	<code>\displaywidth</code> 6375, 7441, 7443, 7448, 10114, 11848
<code>\dfn@ins</code> 7248, 7249, 7250, 7252, 7269, 7270, 7271, 7273, 7287, 7288, 7344, 7345	<code>\do</code> 321, 322, 323, 324, 325, 326, 2215, 3446, 3506, 3521, 3542, 3545, 4535, 4540, 4554, 4559, 4573, 4578, 4601, 4610, 6638, 9981, 11970	<code>\do@hvFloat</code> 10967
<code>\dfn@latex@footnotetext</code> 7237	<code>\document</code> 3128, 3142	<code>\documentclass</code> 3429, 3432
<code>\dfn@latex@LTRfootnotetext</code> 7243, 7258	<code>\doubleitemmaincolumnwidth</code> 2473, 2486, 2487, 2488, 2489, 2513, 2515	<code>\doublerulesepcolor</code> 1685
<code>\dfn@latex@makecol</code> 7336, 7388	<code>\dimen@i</code> 17056,	
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14831, 14834,	2610, 2633, 2634,		8846, 8859, 8871,
14837, 14909,	2661, 2689, 2693,		8889, 8890, 8898,
15017, 15020,	2697, 2699, 2703,		8911, 8949, 8959,
15023, 15088,	2704, 2706, 2712,		8969, 8995, 9008,



9020, 9038, 9039,	17421,	17684,	5177, 5194, 5210,
9047, 9060, 9098,	17685,	17701,	5221, 5261, 5580,
9108, 9118, 9144,	17702,	17703,	5623, 5630, 5637,
9157, 9169, 9187,	17710,	17712,	5695, 5784, 5807,
9188, 9196, 9209,	17713,	17776,	5960, 5983, 6196,
9247, 9257, 9267,	17777,	17779,	6246, 6261, 6458,
9293, 9306, 9318,	17781,	17786,	6690, 6733, 7415,
9336, 9337, 9345,	17788,	17790,	7433, 7611, 7624,
9358, 9396, 9406,	17794,	17797,	7733, 7830, 7879,
9416, 9442, 9455,	17798,	17801,	9816, 9831, 9933,
9467, 9485, 9486,	17802,	17811,	10049, 10085,
9494, 9507, 9594,	17813,	17815,	10169, 10188,
9606, 9618, 9644,	17819,	17823,	10420, 10429,
9658, 9672, 9692,	17824,	17877,	10578, 10593,
9693, 9707, 9721,	17879,	17881,	10612, 10653,
9981, 10122,	17885,	17905,	10684, 10792,
10124, 10128,	17906,	17914,	10816, 10861,
10130, 10219,	17918,	17922,	10876, 11262,
10220, 10221,	17926,	17930,	11300, 11311,
10222, 10224,	17934,	17938,	11322, 11333,
10226, 10227,	17942,	17980,	11434, 11459,
10228, 10229,	17981,	17983,	11497, 11530,
10231, 10232,	17986,	17987,	11561, 11592,
10233, 10290,	17991,	18434,	11821, 11832,
10314, 10332,	18489, 18589, 18957		11902, 12037,
10418, 10427,	\enddocument 3154		12383, 13107,
10445, 10461,	\endflushleft 2056, 2064		13225, 13306,
10476, 10503,	\endgraf 2305,		13385, 13582,
10516, 10529,	2309, 12397,		13586, 13590,
10576, 10591,	15794, 16361, 16993		13849, 13899,
11271, 11274,	\endgroup 17,		13904, 13906,
11276, 11280,	123, 218, 312, 319,		13909, 13914,
11284, 11298,	487, 566, 600,		14136, 14167,
11309, 11320,	616, 690, 742,		14339, 14362,
11520, 11551,	756, 893, 915,		14493, 14634,
11582, 11897,	1039, 1116, 1136,		14710, 14733,
11900, 12238,	1290, 1374, 1397,		14877, 14924,
12304, 13216,	1539, 1708, 1930,		14939, 15058,
13217, 13224,	2169, 2177, 2185,		15108, 15123,
13693, 13703,	2306, 2600, 2619,		15464, 15559,
13717, 15322,	2643, 2764, 2783,		15568, 15595,
15326, 15330,	2920, 2939, 2984,		15626, 15763,
15833, 15837,	3006, 3016, 3033,		15975, 16070,
15841, 16508,	3083, 3129, 3223,		16074, 16097,
16512, 16516,	3247, 3262, 3333,		16101, 16129,
17100, 17127,	3345, 3357, 3377,		16133, 16193,
17129, 17161,	3388, 3399, 3563,		16330, 16650,
17183, 17185,	3662, 3672, 3712,		16745, 16749,
17201, 17202,	4085, 4512, 4514,		16777, 16781,
17222, 17229,	4742, 4771, 4800,		16825, 16962,



17204, 17308,	\endpgfpicture ... 13867	\endsidewaystable 15228
17486, 17759,	\endpspicture 14131	\endstabular 17097, 17100
17887, 18197,	\endR 338, 343,	\endstrip 13401
18230, 18273,	602, 626, 1583,	\endtabular 602, 603,
18292, 18393,	1584, 1701, 2139,	1584, 1585, 2139,
18494, 18659,	2140, 2330, 2333,	17124, 17127,
18686, 18835, 18843	6372, 6451, 6467,	17211, 18586, 18589
\endL 486,	6472, 6474, 6506,	\endtabularx 17162, 17191, 17202
565, 1712, 2556,	7396, 8181, 8185,	\endtitlepage .. 850,
6462, 6471, 6472,	9597, 9621, 9647,	1156, 1407, 5816,
6481, 6487, 6506,	9675, 10008,	6003, 14298, 14747
9597, 9609, 9647,	10010, 10011,	\endtraditionalpoem 5644
9661, 10000,	10012, 10013,	\endtrivlist 10116
10008, 10010,	10015, 10016,	\endturn 15279
10011, 10012,	10017, 10120,	\endwindow 13924
10013, 10015,	10829, 10882,	\enskip 17872, 17897
10016, 10017,	10921, 10928,	\enspace 310, 13918, 13920
10101, 10115,	11277, 11285,	\env@RTLcases 18410, 18414
10262, 10832,	11667, 11703,	\EQ . 7438, 7444, 7445,
10850, 10860,	11735, 11764,	7449, 7450, 7459,
10875, 10896,	11790, 11800,	7460, 7462, 7464,
11664, 12005,	11803, 11848,	7465, 7467, 7468,
12996, 13067,	12005, 12391,	7469, 7470, 7472,
13913, 14053,	12500, 12508,	7473, 7474, 7486,
14070, 14166,	12696, 13022,	7489, 7491, 7493,
15284, 15295,	13194, 13196,	7494, 7496, 7499,
15302, 15312,	13922, 14054,	7501, 7503, 7504,
17279, 18205,	14061, 14126,	7506, 7507, 7509,
18206, 18245,	14127, 14128,	7512, 7513, 7514,
18249, 18302,	15280, 15290,	7517, 7520, 7528,
18313, 18330,	15299, 15308,	7535, 7543, 7550,
18817, 18876, 18886	15761, 16328,	7552, 7555, 7559,
\endlist 92,	16960, 17097,	7560, 7561, 7562,
301, 808, 939,	17098, 17124,	7574, 7576, 7577
1170, 1201, 1450,	17131, 17278,	\eq@addpunct 6369
5065, 5073, 5078,	18202, 18206,	\EQ@box 6374, 6380
5833, 6020, 6331,	18208, 18302,	\eq@group ... 6337, 6346
7669, 7942, 9877,	18314, 18321,	\eq@GRP@first@dmath 6346
13688, 14393,	18403, 18551,	\eq@if . 2684, 2685, 2687
14786, 14982,	18554, 18557,	\eq@isIntertext .. 6384
15184, 15667,	18574, 18586,	\eq@prelim .. 6337, 6354
16234, 16866, 17384	18587, 18817,	\eq@setnumber 6340
\endlongtable 2284	18830, 18832,	\eq@setup@a 6342
\endLTR ... 14090, 18350	18876, 18886,	\eq@startup 6343
\endMakeFramed .. 10626	18899, 18902, 18910	\eq@wdCond 6361
\endmath 6364	\endrotate 15289	\eqnewif . 1755, 1756,
\endmdf@lrbox 12455	\endRTL ... 14092, 18352	1758, 1766, 2680
\endminipage 8148, 10553	\ends@math 6364	
\endmodernpoem ... 5708	\endsideways 15307	
\endNoHyper 546	\endsidewaysfigure 15227	



<code>\eqno</code>	329, 14122, 14124, 18905, 18907	<code>\ExecuteOptions</code> . . .	3009, 3016, 3017, 3020, 3035, 3042, 3051, 3223, 3224, 3225, 3228, 3231, 3247, 3248, 3262, 3263, 3275, 3280, 3285, 3295, 3311, 3314, 3340, 3383, 3445, 3454, 3466, 3468, 3469, 3509, 3519, 3520, 3541, 3558, 3569, 3571, 3698, 3699, 4502, 5040, 5470, 5602, 5605, 5608, 5611, 5614, 5617, 5643, 5644, 5707, 5708, 5722, 5874, 5883, 5891, 6050, 6059, 6067, 6334, 6436, 6478, 6499, 8161, 8300, 8301, 8443, 8444, 8591, 8592, 8740, 8741, 8889, 8890, 9038, 9039, 9187, 9188, 9336, 9337, 9485, 9486, 9587, 9692, 9693, 9699, 10026, 10028, 10058, 10060, 10122, 10123, 10128, 10129, 10211, 10228, 10233, 10292, 10295, 10316, 10319, 10332, 10346, 10347, 10348, 10349, 10351, 10565, 10653, 10675, 10676, 10684, 10866, 10904, 10905, 11302, 11304, 11313, 11315, 11324, 11326, 11429, 11443, 11457, 11481, 11495, 11528, 11559, 11590,
<code>\eqnumform</code>	6372	2372, 3767, 5148, 5150, 7039, 7137	
<code>\eqstyle</code>	6339	<code>\exhyphenpenalty</code> . .	
<code>\equal</code>	401, 2521, 2538, 2542, 2546, 3912, 3946, 3957, 3983, 3984, 4000, 4041, 4299, 4541, 4542, 4560, 4561, 4579, 4580, 4611, 4612, 7206, 10210	. . . . . 842, 1148, 1341, 5753, 5929, 14290, 14739, 14800	
<code>\errmessage</code>		<code>\exp</code>	12576, 12579, 12633, 12805, 12859
. . 1783, 1885, 13489		<code>\expandafter</code> 162, 444,	
<code>\escapechar</code>	2589, 2681, 2686, 2783	579, 603, 971, 980, 988, 1014, 1017, 1222, 1231, 1239, 1265, 1268, 1471, 1480, 1488, 1514, 1517, 1585, 1600, 1682, 1683, 1684, 1686, 2084, 2086, 2090, 2092, 2096, 2098, 2102, 2103, 2111, 2113, 2117, 2118, 2142, 2146, 2149, 2152, 2156, 2159, 2162, 2213, 2214, 2267, 2295, 2603, 2605, 2609, 2610, 2614, 2617, 2627, 2629, 2633, 2634, 2638, 2641, 2661, 2663, 2668, 2688, 2689, 2692, 2693, 2697, 2699, 2703, 2707, 2709, 2713, 2714, 2715, 2717, 2718, 2721, 2725, 2727, 2732, 2733, 2735, 2736, 2739, 2748, 2755, 2759, 2761, 2764, 2765, 2766, 2768, 2771, 2772, 2774, 2775, 2777, 2778, 2780, 2784, 2811, 2812, 2813, 2814, 2815, 2817, 2840, 2844, 2895, 2896, 2897, 2898, 2904, 2905, 2906, 2907, 2990, 2991, 3005, 3006, 3007,	
<code>\ESO@isMEMOIR</code>	7401		
<code>\evenpage</code>			
1891, 1894, 1895, 1896, 1898, 1899, 1900, 1901, 1903			
<code>\evensidemargin</code> . . .			
. . 1915, 7424, 18854			
<code>\everycr</code>	12387		
<code>\everydisplay</code>	6334		
<code>\everyhbox</code>	14056, 14058, 14065, 14067, 18316, 18318, 18325, 18327		
<code>\everyjob</code>	1746, 1747, 1863, 1864		
<code>\everymath</code>	341		
<code>\everypar</code>	740, 891, 1134, 1372, 4358, 4402, 4446, 5783, 5959, 6245, 7878, 9815, 10007, 14048, 14052, 14245, 14259, 14338, 14709, 14923, 15107, 15564, 17479, 17483, 18308, 18312, 18734, 18778		
<code>\everyvbox</code>	1587, 1588, 14074, 14076, 14082, 14084, 18334, 18336, 18342, 18344		



11821,	11822,	..... 8125, 8126	\fb@sizeofframe ...
11829,	11843,	\extrafeetminihook 8139	..... 10642, 10664
11897,	11905,	\extrainfo 2464	\fbox 2036,
11910,	12018,	\extrarowheight ...	2046, 6505, 7578,
12019,	12024,	. 606, 12358, 12366	11076, 11082,
12025,	12384,	\extrarulesep 17154	11089, 11095,
12409,	12412,	\extratitle	11101, 11107,
13206,	13209,	15486, 15997, 16672	11115, 11119, 11124,
13811,	13828,		11128, 11132,
13840,	13845,	F	11136, 11151,
14050,	14425,	\f@size 342	11152, 11167,
14434,	14442,	\familyname 2457	11168, 11177, 11181,
14468,	14471,	\familynamecolour .	11186, 11190,
14564,	14573,	.. 2426, 7043, 7141	11194, 11198,
14581,	14609,	\familynamefont 2435,	11206, 11212,
14612,	15192,	2443, 7083, 7177	11219, 11225,
15204,	15214,	\familynamestyle ..	11231, 11237, 14165
15235,	15250,	..... 2443,	\fboxrule 1984, 10603,
15262,	17100,	7094, 7184, 7205	10609, 10615,
17127,	17160,	\fancy@oval 9978	10617, 10619, 10621
17163,	17183,	\fancy@reset 10008, 10013	\fboxsep 1985,
17186,	17188,	\fancyfoot ... 2556,	2052, 2061, 6467,
17190,	17201,	4126, 4127, 7109	6468, 6469,
17202,	17210,	\fancyhead 4115, 4116,	6505, 10603,
17214,	17216,	4117, 5339, 5340,	10615, 10617,
17223,	17225,	5351, 5352, 5353	10619, 10621,
17230,	17232,	\fancyhf	14164, 18202,
17241,	17684,	2405, 4113, 4122,	18203, 18204, 18300
17685,	17701,	4132, 5337, 5348	\fcolorbox 1986
17702,	17703,	\fancyhfoffset 4106, 4107	\feetabovelfloat ...
17710,	17712,	\fancypagestyle 2402,	..... 9800, 9801
17713,	17789,	2555, 4121, 4131, 7108	\ff@backcol 10222
17793,	17814,	\FAX 2422	\ff@col 10220
17818,	17880,	\fax 2462	\ff@frametype
17884,	17980,	\faxsymbol 2422, 7118, 7216	..... 10218, 10229
17981,	17983,	\fb@adjheight	\ff@txtcol
17986,	17987,	10640, 10710, 10730	. 10210, 10211, 10221
17990,	18215,	\fb@afterframe	\fi 12, 13, 18, 25,
18227,	18230,	10635, 10660, 10718	36, 84, 94, 100,
18238,	18239,	\FB@captype	103, 104, 105, 113,
18258,	18270,	. 10127, 10128, 10130	130, 132, 138, 146,
18273,	18287,	\fb@frh . 10647, 10651,	150, 154, 158, 165,
18288,	18292,	10666, 10701, 10704	180, 213, 214, 219,
18310, 18589, 18957		\fb@put@frame . 10629,	224, 230, 233,
\extrafeetendmini .		10640, 10711, 10731	234, 235, 245,
..... 8140, 8147		\fb@putboxa .. 10634,	293, 307, 311,
\extrafeetendminihook		10659, 10717, 10734	330, 338, 343,
..... 8145, 8146		\fb@resto@set	362, 371, 372,
\extrafeetins 8119, 8120		10669, 10709, 10713	373, 374, 380,
\extrafeetinshook .			391, 411, 418, 430,



441, 442, 449,
466, 476, 480,
485, 508, 518,
531, 532, 536,
537, 538, 546,
555, 563, 564,
582, 583, 595,
596, 597, 599,
602, 618, 624,
626, 683, 688,
726, 733, 741,
743, 750, 753,
754, 757, 776,
777, 783, 792,
814, 823, 830,
839, 843, 856,
859, 860, 861,
867, 868, 873,
876, 884, 892,
894, 901, 902,
909, 912, 913,
918, 926, 964,
974, 983, 991,
1015, 1017, 1032,
1037, 1071, 1078,
1087, 1093, 1094,
1100, 1103, 1110,
1113, 1114, 1119,
1127, 1135, 1137,
1144, 1145, 1149,
1169, 1170, 1171,
1188, 1215, 1225,
1234, 1242, 1266,
1268, 1283, 1288,
1322, 1329, 1338,
1342, 1348, 1349,
1354, 1357, 1365,
1373, 1375, 1382,
1383, 1391, 1394,
1395, 1400, 1413,
1416, 1417, 1418,
1437, 1464, 1474,
1483, 1491, 1515,
1517, 1532, 1537,
1575, 1576, 1578,
1581, 1583, 1584,
1589, 1603, 1604,
1618, 1619, 1633,
1641, 1642, 1648,
1649, 1653, 1658,

1661, 1666, 1669,
1677, 1678, 1687,
1688, 1700, 1701,
1712, 1774, 1775,
1782, 1783, 1791,
1797, 1809, 1815,
1821, 1827, 1833,
1876, 1877, 1884,
1885, 2087, 2093,
2099, 2114, 2124,
2135, 2139, 2140,
2142, 2199, 2200,
2206, 2221, 2222,
2225, 2228, 2231,
2235, 2236, 2244,
2271, 2277, 2278,
2281, 2298, 2304,
2310, 2325, 2326,
2330, 2331, 2333,
2338, 2527, 2528,
2529, 2531, 2559,
2567, 2598, 2599,
2614, 2624, 2638,
2648, 2657, 2664,
2702, 2710, 2719,
2722, 2728, 2737,
2740, 2762, 2769,
2806, 2841, 2992,
3010, 3229, 3255,
3269, 3281, 3296,
3332, 3344, 3376,
3387, 3441, 3443,
3444, 3473, 3475,
3479, 3480, 3489,
3491, 3512, 3513,
3515, 3529, 3530,
3532, 3533, 3548,
3561, 3562, 3570,
3587, 3642, 3652,
3663, 3860, 3866,
4053, 4056, 4059,
4062, 4081, 4092,
4322, 4331, 4358,
4366, 4375, 4410,
4419, 4595, 4652,
4654, 4664, 4987,
4988, 5105, 5106,
5107, 5285, 5363,
5415, 5428, 5436,
5467, 5468, 5523,

5524, 5528, 5535,
5540, 5549, 5578,
5589, 5591, 5594,
5596, 5650, 5652,
5656, 5675, 5677,
5678, 5679, 5690,
5692, 5693, 5702,
5704, 5741, 5750,
5754, 5760, 5761,
5766, 5769, 5777,
5785, 5792, 5793,
5800, 5803, 5804,
5810, 5820, 5851,
5853, 5855, 5867,
5877, 5886, 5894,
5917, 5926, 5930,
5936, 5937, 5942,
5945, 5953, 5961,
5968, 5969, 5976,
5979, 5980, 5986,
6007, 6027, 6029,
6031, 6043, 6053,
6062, 6070, 6090,
6096, 6097, 6101,
6103, 6126, 6135,
6189, 6194, 6232,
6239, 6247, 6254,
6257, 6258, 6262,
6272, 6274, 6276,
6285, 6291, 6292,
6299, 6310, 6315,
6333, 6335, 6336,
6337, 6345, 6356,
6358, 6367, 6372,
6374, 6389, 6391,
6393, 6396, 6415,
6419, 6425, 6437,
6438, 6450, 6451,
6462, 6466, 6467,
6471, 6472, 6474,
6481, 6487, 6506,
6509, 6510, 6516,
6521, 6544, 6567,
6590, 6613, 6628,
6631, 6632, 6648,
6652, 6653, 6655,
6677, 6680, 6689,
6691, 6716, 6722,
6732, 6734, 6743,
6782, 6789, 6798,



6801, 6808, 6821,
6829, 6835, 6840,
6842, 6843, 6844,
6877, 6878, 6894,
6903, 6908, 6909,
6953, 6962, 6965,
6972, 6986, 6994,
7000, 7005, 7007,
7008, 7009, 7010,
7024, 7059, 7066,
7073, 7080, 7105,
7154, 7160, 7166,
7172, 7186, 7201,
7247, 7250, 7251,
7268, 7271, 7272,
7297, 7313, 7314,
7316, 7325, 7334,
7335, 7354, 7367,
7368, 7377, 7386,
7387, 7390, 7396,
7399, 7410, 7413,
7425, 7431, 7451,
7470, 7471, 7485,
7526, 7527, 7533,
7534, 7535, 7541,
7542, 7548, 7549,
7550, 7551, 7559,
7560, 7561, 7562,
7563, 7564, 7592,
7605, 7608, 7609,
7612, 7619, 7625,
7632, 7633, 7639,
7646, 7656, 7726,
7731, 7765, 7823,
7828, 7866, 7872,
7880, 7882, 7884,
7886, 7895, 7901,
7902, 7910, 7921,
7926, 7946, 7949,
7952, 7954, 7961,
7962, 7966, 7988,
8035, 8114, 8115,
8124, 8144, 8156,
8180, 8181, 8184,
8185, 8187, 8206,
8216, 8251, 8268,
8355, 8364, 8397,
8413, 8497, 8507,
8542, 8559, 8646,
8656, 8691, 8708,

8795, 8805, 8839,
8857, 8944, 8954,
8988, 9006, 9093,
9103, 9138, 9155,
9242, 9252, 9287,
9304, 9391, 9401,
9436, 9453, 9546,
9557, 9566, 9597,
9647, 9769, 9787,
9794, 9809, 9817,
9824, 9827, 9828,
9832, 9835, 9840,
9847, 9864, 9926,
9931, 9965, 9972,
9974, 9976, 9986,
9990, 9997, 9998,
9999, 10000,
10008, 10010,
10011, 10012,
10013, 10015,
10016, 10017,
10036, 10048,
10050, 10068,
10084, 10086,
10097, 10104,
10120, 10142,
10150, 10154,
10168, 10175,
10237, 10239,
10241, 10250,
10252, 10254,
10262, 10265,
10267, 10282,
10296, 10320,
10404, 10406,
10438, 10488,
10496, 10509,
10522, 10523,
10537, 10538,
10561, 10604,
10618, 10620,
10630, 10698,
10699, 10727,
10732, 10741,
10754, 10755,
10756, 10770,
10790, 10793,
10814, 10817,
10827, 10829,
10832, 10833,

10844, 10850,
10853, 10860,
10869, 10875,
10877, 10879,
10882, 10890,
10896, 10911,
10917, 10918,
10921, 10928,
10940, 10941,
10954, 10964,
10980, 10984,
10989, 10993,
10994, 11004,
11005, 11010,
11011, 11012,
11020, 11029,
11031, 11032,
11033, 11034,
11035, 11047,
11049, 11050,
11051, 11052,
11053, 11058,
11064, 11065,
11066, 11079,
11085, 11092,
11098, 11104,
11110, 11111, 11112,
11117, 11121, 11126,
11130, 11134,
11138, 11139,
11140, 11141, 11148,
11156, 11164,
11172, 11179,
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11200, 11201,
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11285, 11289,
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16695,	16702,	17494,	17495,	17925,	17929,
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16736,	16739,	17516,	17517,	17949,	17954,
16740,	16750,	17518,	17519,	17962,	17965,
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16782,	16783,	17547,	17551,	18024,	18029,
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16817,	16821,	17561,	17564,	18044,	18047,
16828,	16844,	17568,	17569,	18060,	18069,
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16916,	16940,	17602,	17603,	18131,	18136,
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17072,	17088,	17652,	17659,	18190,	18195,
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17131,	17138,	17695,	17696,	18217,	18218,
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17432,	17433,	17839,	17842,	18449,	18457,
17434,	17438,	17843,	17852,	18463,	18469,
17439,	17448,	17858,	17867,	18475,	18476,



18482, 18487,	\FirstFrameCommand	\FN@sf@gobble@opt .
18490, 18510,	..... 10617, 10663	..... 2086,
18511, 18519,	\firstmark ... 10034,	2092, 2098, 2101
18520, 18528,	10066, 10207, 18893	\FN@sf@gobble@optonly
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18538, 18546,	\firstnamecolour ..	\FN@sf@gobble@twobacket
18547, 18548,	.. 2425, 7044, 7140 2105, 2108
18549, 18552,	\firstnamefont 2434,	\fnch@everypar .. 10007
18555, 18558,	2442, 7082,	\font 17039, 17040
18561, 18562,	7083, 7174, 7177	\fontdimen 17039, 17040
18563, 18564,	\firstnamestyle 2442,	\fontsize . 305, 5233,
18566, 18568,	7094, 7184, 7205	5235, 5237, 7082,
18569, 18576,	\fivecolumnfootnotes	7174, 13785, 13798
18579, 18581,	..... 8632	\foo 13825,
18582, 18586,	\fivecolumnfootstyle	13827, 13837, 13839
18587, 18591,	..... 8727	\footdir@abspage ..
18607, 18608,	\flnew@within 10127	..... 10307,
18616, 18617,	\float@newx 10121	10310, 10311,
18620, 18621,	\floatalignment 3916,	10314, 10315, 10318
18622, 18623,	3917, 3958, 3959,	\footdir@debug 10279,
18624, 18630,	3975, 3982,	10287, 10291,
18635, 18643,	3990, 4041, 4252	10294, 10304,
18658, 18660,	\FloatBarrier 3888, 4232	10311, 10315, 10318
18683, 18687,	\floatc@bidi@tuftefloatplain	\footdir@debugfalse 1820
18689, 18698,	... 4250, 4260,	\footdir@debugtrue
18707, 18742,	4267, 4273, 4281	..... 1818, 10277
18751, 18783,	\floatc@bidi@tuftefloatplaintop	\footdir@fntext ...
18786, 18787,	..... 4267	10325, 10342, 10344
18788, 18789,	\floatc@bidi@tuftefloatruled	\footdir@LeftRightElse
18790, 18798,	..... 4268	10285, 10301, 10378
18812, 18816,	\floatc@plain 10118	\footdir@name
18817, 18821,	\floatingpenalty ..	10328, 10331, 10332
18829, 18830,	. 40, 53, 68, 249,	\footdir@ORG@bidi@amsart@footnotetext
18831, 18832,	262, 276, 7256,	..... 76
18833, 18849,	7277, 7324, 7331,	\footdir@ORG@bidi@amsart@LTRfootnotetext
18855, 18856,	7376, 7383, 8134,	..... 78
18857, 18859,	10442, 10458, 10473	\footdir@ORG@bidi@amsart@RTLfootnotetext
18860, 18861,	\floatstyle 4301	..... 77
18876, 18886,	\flushleft .. 2053, 2062	\footdir@ORG@bidi@amsbook@footnotetext
18899, 18902,	\FN@sf@@footnote ..	..... 285
18903, 18907,	..... 2080, 2084	\footdir@ORG@bidi@amsbook@LTRfootnotetext
18908, 18910,	\FN@sf@@footnotemark	..... 287
18918, 18920,	..... 2109, 2111	\footdir@ORG@bidi@amsbook@RTLfootnotetext
19018, 19024, 19030	\FN@sf@@LTRfootnote	..... 286
\figcaption 11029, 11047	..... 2081, 2090	\footdir@ORG@bidi@footnotetext
\fill 5278, 5282,	\FN@sf@@RTLfootnote	..... 10491
6391, 6393, 6395,	..... 2082, 2096	\footdir@ORG@bidi@LTRfootnotetext
11064, 11259,	\FN@sf@gobble@bracket	..... 10493
12339, 12341, 12343	..... 2120, 2123	\footdir@ORG@bidi@RTLfootnotetext
\filright .. 17283, 17312		..... 10492



\footdir@temp	8171, 8197, 8198,	10269, 10366,
. 76, 77, 78, 285,	8206, 8216, 8226,	10370, 10373,
286, 287, 10337,	8346, 8347, 8355,	10388, 10393,
10491, 10492, 10493	8364, 8373, 8488,	10394, 10396, 10822
\footdir@toks	8489, 8497, 8507,	\footnotes 4633
.. 10278, 10345,	8517, 8637, 8638,	\footnotesep 29,
10346, 10347, 10351	8646, 8656, 8666,	31, 39, 45, 52,
\footdir@write	8786, 8787, 8795,	58, 67, 73, 239,
10272, 10302, 10341	8805, 8815, 8935,	241, 248, 254,
\footersymbol	8936, 8944, 8954,	261, 267, 275,
. 7101, 7102,	8964, 9084, 9085,	281, 7253, 7274,
7117, 7118, 7119, 7120	9093, 9103, 9113,	7299, 7356, 7998,
\footfootmark . 8104,	9233, 9234, 9242,	8014, 8030, 8044,
8243, 8246, 8249,	9252, 9262, 9382,	8057, 8070, 8135,
8389, 8392, 8395,	9383, 9391, 9401,	10441, 10449,
8534, 8537, 8540,	9411, 9573, 9574,	10457, 10465,
8683, 8686, 8689,	9588, 9600, 9612	10472, 10480,
8832, 8835, 8838,	\footmarksep 8101	10506, 10519, 10532
8981, 8984, 8987,	\footmarkstyle 8103, 8116	\footnotesize 37,
9130, 9133, 9136,	\footmarkwidth	50, 65, 102,
9279, 9282, 9285,	8100, 8105, 8106,	232, 246, 259,
9428, 9431, 9434,	8108, 8110, 8113, 8117	273, 633, 955,
9627, 9631, 9635	\footnote 637,	1206, 1455, 2534,
\footfudgefactor	711, 959, 1058,	2556, 3796, 3797,
.. 9537, 9587, 9699	1210, 1309, 1459,	3835, 4448, 4642,
\footfudgefiddle	1559, 2080, 2083,	4671, 4688, 4705,
..... 9567, 9586	4815, 5134, 5165,	5858, 6034, 6139,
\footins 35, 48,	5862, 6038, 6143,	7680, 7773, 8127,
63, 244, 257, 271,	6217, 7684, 7752,	8128, 8129, 9880,
2310, 7256, 7277,	7777, 7851, 9884,	10439, 10455,
7281, 7282, 7293,	9952, 13145,	10470, 10499,
7296, 7300, 7324,	13148, 14413,	10512, 10525,
7330, 7338, 7339,	14512, 14550,	13918, 13920,
7350, 7353, 7357,	14656, 14809,	14409, 14546,
7376, 7382, 7987,	14897, 15005,	14805, 15001,
8003, 8019, 8131,	15079, 15382,	15378, 15889, 16564
9776, 9780, 9790,	15498, 15893,	\footnotetext . 2145,
10437, 10453,	16009, 16568, 16684	2156, 5601, 5611
10468, 10777,	\footnotelayout	\footparindent 8102, 8118
10778, 10797, 10798	.. 4636, 4637, 4640	\footrule 10014
\footinsdim 8130, 8131,	\footnotemark . 2109,	\footrulewidth 2404, 4111
8171, 8197, 8300,	2110, 10566,	\footscript
8346, 8443, 8488,	10580, 13146, 13149	8103, 8107, 8111, 8113
8591, 8637, 8740,	\footnoterule	\footskip . . 10014, 18883
8786, 8889, 8935,	.. 7235, 7297,	\foottextfont
9038, 9084, 9187,	7303, 7308, 7336,	.. 7991, 7998,
9233, 9336, 9382,	7337, 7354, 7358,	8038, 8044, 8127,
9485, 9573, 9692	7362, 7388, 7389,	8193, 8208, 8243,
\footinsv@r . . 8124,	7982, 8143, 8154,	8254, 8342, 8357,
8168, 8169, 8170,	8167, 9754, 9779,	8389, 8400, 8484,



8499, 8534, 8545,	15874, 15878,	12791, 12792,
8633, 8648, 8683,	15881, 16546,	12794, 12795,
8694, 8782, 8797,	16549, 16553, 16556	12796, 12797,
8832, 8843, 8931,	\ftn@rule@test@values	12799, 12800,
8946, 8981, 8992,	..... 15359,	12810, 12818,
9080, 9095, 9130,	15366, 15870,	12819, 12820,
9141, 9229, 9244,	15877, 16545, 16552	12822, 12827,
9279, 9290, 9378,	\ftn@rule@width ...	12828, 12833,
9393, 9428, 9439,	..... 15363,	12834, 12838,
9542, 9569, 9583,	15370, 15874,	12843, 12846,
9591, 9627, 9641	15881, 16549, 16556	12853, 12855,
\forcerectofloat . 3919	\ftnm@font	12858, 12859,
\forceversofloat . 3920	15355, 15866, 16541	12863, 12865,
\fourcolumnfootnotes	\full@width	12866, 12869,
..... 8483	13481, 13493, 13541	12870, 12871,
\fourcolumnfootstyle	\futurelet 1008, 1010,	12875, 12876,
..... 8578	1259, 1261, 1508,	12880, 12881,
\fp 12794,	1510, 2654, 14462,	12888, 12903,
12795, 12796, 12797	14464, 14603, 14605	12904, 12905,
\fps@figure 11017		12907, 12912,
\framebox	G	12915, 12916,
. 168, 170, 7092,	\g 7457,	12919, 12923,
7223, 13423, 13429	7459, 7463, 7556,	12924, 12925,
\FrameCommand 10615	12495, 12502,	12929, 12930,
\FrameHeightAdjust 10689	12510, 12553,	12931, 12938,
\FrameRestore . 10623,	12557, 12558,	12939, 12940,
10627, 10743, 10744	12604, 12608,	12942, 12943,
\fromaddress	12609, 12626,	12946, 12947,
... 7944, 7950,	12627, 12660,	12952, 12958,
7960, 11850, 11856	12677, 12680,	12969, 12974,
\fromname 7965	12686, 12687,	12975, 12976,
\fromplace 16491	12688, 12689,	12980, 12981,
\fromsig 7964, 7966, 16498	12690, 12699,	12982, 12983,
\frontmatter 5332	12700, 12702,	12984, 12985,
\fs@biditytfloatboxed	12704, 12705,	12987, 12994,
..... 4279	12706, 12713,	13010, 13011,
\fs@biditytfloatplain	12714, 12719,	13012, 13013,
..... 4258, 4266	12725, 12734,	13015, 13018,
\fs@biditytfloatplaintop	12737, 12745,	13026, 13028,
..... 4266	12746, 12749,	13040, 13041,
\fs@biditytfloatruled	12750, 12751,	13043, 13045,
..... 4271	12752, 12753,	13046, 13047,
\fslice 13935, 13936,	12754, 12756,	13051, 13052,
13938, 13939, 13942	12759, 12760,	13053, 13058, 13065
\ftn@font	12762, 12765,	\g@addto@macro
15353, 15864, 16539	12767, 12770,	... 3314, 3558,
\ftn@rule@height ..	12775, 12783,	3643, 3653, 3914,
..... 15360,	12784, 12786,	4594, 4596, 7486,
15363, 15367,	12787, 12788,	7489, 7491, 17985
15370, 15871,	12789, 12790,	\g@mix@page@int . 12932



\gdef	626, 628, 1983, 2295, 2425, 2426, 2427, 2428, 2429, 2430, 2432, 2433, 3637, 3648, 3932, 3933, 3935, 3938, 4012, 4017, 4018, 4019, 4171, 4212, 4591, 4726, 4755, 4784, 4823, 4832, 4841, 5170, 5187, 5203, 5215, 5255, 5256, 5257, 5444, 5447, 5709, 5721, 5723, 7440, 7453, 9788, 9800, 10033, 10065, 10332, 10392, 11898, 12048, 12051, 13730, 13751, 14107, 17037, 17284, 17285, 17290, 17313, 17314, 17982, 18367, 18419	\Gincludgraphics 10859, 10871 \Ginput@path 379, 507, 12692 \global 303, 419, 420, 467, 468, 471, 472, 488, 522, 523, 547, 550, 551, 567, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 686, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 739, 740, 890, 891, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1035, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1133, 1134, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1286, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1371, 1372, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1535, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1677, 1678, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 2124, 2142, 2143, 2146, 2149, 2152, 2156, 2159, 2162,	2241, 2245, 2267, 2307, 2327, 2328, 2336, 2591, 2603, 2627, 3774, 3783, 3917, 3961, 3962, 3968, 4328, 4339, 4342, 4372, 4383, 4386, 4416, 4427, 4430, 4472, 4484, 5248, 5445, 5448, 5466, 5470, 5486, 5497, 5523, 5524, 5551, 5564, 5565, 5593, 5602, 5605, 5608, 5611, 5614, 5617, 5649, 5659, 5673, 5675, 5680, 5681, 5687, 5688, 5690, 5710, 5722, 5724, 5782, 5783, 5900, 5901, 5902, 5903, 5904, 5905, 5906, 5907, 5908, 5909, 5958, 5959, 6076, 6077, 6078, 6079, 6080, 6081, 6082, 6083, 6084, 6085, 6163, 6164, 6165, 6166, 6167, 6168, 6169, 6170, 6171, 6172, 6173, 6174, 6192, 6198, 6199, 6200, 6201, 6202, 6203, 6204, 6205, 6206, 6207, 6208, 6209, 6210, 6244, 6245, 6336, 6346, 6347, 6348, 6349, 6350, 6351, 6352, 6353, 6361, 6374, 6379, 6383, 6431, 6658, 6659, 6661, 6684, 6694, 6695, 6697, 6727, 6785, 6793, 6803, 6813, 6822, 6824, 6825, 6828, 6831, 6841, 6855, 6856, 6858, 6860, 6861, 6863, 6869, 6870,
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\Gin@esetsize	10873		
\Gin@ewidth	13792, 13793		
\Gin@exclamation . . .	10903, 13792, 13795		
\Gin@gridfalse . . .	13778		
\Gin@ii	10862		
\Gin@iii . . .	10851, 10865		
\Gin@llx	10855		
\Gin@lly	10856		
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\Gin@outer@scaley	13790		
\Gin@scalex	13794		
\Gin@scaley	13795		
\Gin@urx	10857		
\Gin@ury	10858		



6873, 6875, 6876,	9911, 9929, 9935,	13356,	13357,
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15060,	15061,	17135,	17136,	\grp@hasNumber . . . 6356
15062,	15063,	17153,	17165,	\GRP@label 6348
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15066,	15067,	17186,	17223,	\GRP@queue . . 6347, 6383
15068,	15069,	17225,	17230,	\grp@setnumber . . . 6356
15070,	15071,	17232,	17478,	\grp@shiftnumber . 6353
15072,	15106,	17479,	17482,	\grp@wdL 6349
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15472,	15473,	18127,	18135,	\grp@wdR 6349
15474,	15475,	18145,	18148,	\grp@wdT 6349
15476,	15477,	18192,	18429,	\Gscale@box
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15480,	15481,	18646,	18647,	\Gscale@div
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15486,	15487,	18715,	18718,	\Gscale@start
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15490,	15491,	18762,	18790,	\Gscale@x . . 10835, 10881
15492,	15493,	18799,	18800,	\Gscale@y . . 10835, 10881
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15984,	15985,	18839,	18848,	\gsetlength . . 3772,
15986,	15987,	18890,	18891, 18901	3934, 4020, 4470,
15988,	15989,	\glossary . . 10194, 18867		4728, 4730, 4757,
15990,	15991,	\Gm@vrule 10948,		4759, 4786, 4788
15992,	15993,	10949,	10950,	
15994,	15995,	10952,	10953,	
15996,	15997,	10954,	10957,	
15998,	15999,	10958,	10959,	
16000,	16001,	10962, 10963, 10964		
16002,	16003,	\Gm@vrules@mpi . . . 10945		
16004,	16005,	\Gm@vrules@mpii . 10955		
16322,	16376,	\grid 13786, 13799		
16378,	16646,	\Grot@box 10832, 15284,		

H
\H@@footnotemark . .
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\hangindent 103, 104,	18668, 18669,	12370, 12390,
105, 233, 234,	18674, 18811,	12395, 12499,
235, 866, 1092,	18876, 18886, 18902	12507, 12678,
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18638,	18648,	10076,	10100,	13640,
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	10010, 10011,	17892,	17894,	\hfilneg 8180, 8184
	10012, 10013,	17960,	17967,	\hfuzz 7441, 17207, 17209
	10015, 10016, 10017	17969,	18408,	\hintcolour 2433
\height	10901, 11089,	18641,	18650,	\hintfont 2441, 2449,
	11091, 11095,	18671,	18673,	2503, 2510, 2515
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	11191, 11219,	1695, 2514, 2520,		\hintstyle 2449
	11221, 11225,	2534, 4044, 4045,		\hline 12347, 12349, 12355
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6784, 6785, 6793,	\hsize 40,	13537, 13540,
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10728, 11865,	9719, 9722, 10119,	1100, 1101, 1114,
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14790, 14946,	10500, 10513,	1574, 1627, 1628,
15127, 15363,	10526, 10543,	1666, 1690, 1693,
15370, 15679,	10544, 10623,	2585, 4988, 5428,
15874, 15881,	10728, 10758,	5472, 5473, 5476,
16246, 16416,	10761, 10765,	5478, 5479, 5482,
16549, 16556, 16878	10768, 10769,	5766, 5767, 5804,



5843, 5942, 5943,	15120,	15131,	16938,	17026,
5980, 5996, 6258,	15208,	15210,	17027,	17290,
6269, 6440, 6443,	15217,	15219,	17302,	19012,
6510, 6663, 6666,	15255,	15257,	19016,	19021,
6668, 6669, 6765,	15266,	15268,	19023, 19027, 19029	
6769, 6772, 6773,	15370,	15554,	\hss	677, 736,
7301, 7302, 7305,	15590,	15684,	755, 887, 914,	
7315, 7316, 7359,	15881,	16065,	1115, 1130, 1368,	
7609, 7676, 7974,	16092,	16123,	1396, 1927, 5047,	
9533, 9828, 9859,	16251,	16420,	5780, 5805, 5956,	
10039, 10042,	16556,	16740,	5981, 6183, 6242,	
10044, 10045,	16771,	16883,	6259, 6511, 6665,	
10096, 10112,	17063,	17069,	6667, 6701, 6706,	
10358, 10802,	17081,	17086,	6768, 6771, 6776,	
10806, 10809,	17284,	17313,	6781, 6941, 6945,	
10810, 10947,	17473,	17504,	7304, 7314, 7359,	
10949, 10950,	17527,	17544,	7368, 7443, 7446,	
10953, 10958,	17561,	17578,	7448, 7451, 7454,	
10961, 10963,	17595,	17612,	7610, 7622, 7720,	
10964, 11848,	17630,	17649,	7817, 7875, 8107,	
11869, 11979,	17669,	17704,	8113, 9812, 9829,	
13286, 13292,	17842,	17889,	9920, 10041,	
13295, 13296,	17899,	17954,	10043, 10073,	
13442, 13454,	18635,	18649,	10077, 10214,	
13466, 13521,	18652,	18654,	10783, 10786,	
13525, 13529,	18655,	18813,	10805, 10808,	
13532, 13533,	18815, 18829, 18832		10846, 10892,	
13537, 13540,	\hspace 104, 105, 234,		10950, 10964,	
13541, 13593,	235, 773, 2504,		12390, 12398,	
13599, 13602,	2509, 2515, 4027,		12715, 12976,	
13604, 13607,	4034, 4256, 4931,		13063, 13291,	
13609, 13611,	4932, 4938, 4939,		13294, 13369,	
13614, 13616,	4945, 4946, 4952,		13374, 13511,	
13618, 13620,	4953, 5080, 5106,		13512, 13522,	
13623, 13625,	5107, 7223, 7629,		13523, 13900,	
13627, 13629,	7961, 8108, 11064,		13910, 14115,	
13631, 13634,	11080, 11093,		14126, 14127,	
13636, 13639,	11105, 11118,		14128, 14335,	
13641, 13644,	11127, 11135,		14360, 14706,	
13646, 13648,	11180, 11189,		14731, 14821,	
13651, 13653,	11197, 11210,		14864, 14920,	
13655, 13658,	11223, 11235,		14937, 15045,	
13660, 13662,	11259, 15716,		15104, 15121,	
13675, 13886,	15731, 15736,		15353, 15557,	
13893, 14321,	15738, 15739,		15594, 15792,	
14322, 14359,	16283, 16298,		15801, 15864,	
14375, 14673,	16303, 16305,		16068, 16095,	
14692, 14693,	16306, 16496,		16127, 16359,	
14730, 14796,	16915, 16930,		16368, 16410,	
14936, 14950,	16935, 16937,		16539, 16743,	



16775, 16991,	13409, 13411,	\hv@longCap 10969
17000, 17075,	13944, 14002,	\hv@Right . . 11005, 11061
18168, 18170,	14013, 14018,	\hv@shortCap
18175, 18181,	14019, 14020,	10968, 11034, 11052
18379, 18488,	14021, 14025,	\hv@Top . 11087, 11123,
18551, 18552,	14040, 14142,	11143, 11185, 11217
18554, 18555,	14165, 15194,	\hv@Width . . 10999, 11022
18557, 18558,	15236, 15239,	\hv@Zero . . . 10988, 11251
18563, 18564,	15294, 15301,	\hvAboveCaptionSkip
18623, 18624,	15745, 15747,	. . . . . 11167, 11170
18625, 18626,	15748, 16312,	\hvBelowCaptionSkip
18651, 18653,	16314, 16315,	. . . . . 11151, 11154
18670, 18675, 18817	16944, 16946,	\hvCaptionBox
\ht . . 605, 1676, 1709,	16947, 17104,	. . 11023, 11040,
2317, 2319, 2320,	17141, 17153,	11082, 11084,
6459, 6468, 6470,	17268, 18203,	11095, 11097,
6741, 6743, 6750,	18205, 18594,	11107, 11109,
6756, 6757, 6758,	18793, 18803, 18807	11115, 11116, 11124,
6812, 6851, 6869,	\ht@strip 13406, 13407,	11125, 11132,
6881, 6905, 6909,	13408, 13409,	11133, 11144,
6919, 6927, 6928,	13410, 13413, 13415	11145, 11151, 11154,
6931, 6932, 6934,	\ht@viper 6740, 6745,	11160, 11161,
6935, 6977, 7013,	6768, 6771, 6776,	11168, 11171, 11177,
7244, 7253, 7265,	6781, 6849, 6850,	11178, 11186,
7274, 7282, 7292,	6905, 6906, 6907,	11187, 11194,
7294, 7310, 7339,	6911, 6941, 6945	11195, 11212,
7349, 7351, 7364,	\httplink 2541	11214, 11225,
7594, 8188, 8334,	\Huge 5014, 6102,	11227, 11237, 11239
8339, 8476, 8481,	6114, 6294, 6302,	\hvCapWidth . . 10997,
8625, 8630, 8774,	7904, 7913, 9842,	10999, 11001,
8779, 8923, 8928,	9850, 15154, 15162	11003, 11007,
9072, 9077, 9221,	\huge 784,	11009, 11024, 11042
9226, 9370, 9375,	4868, 4870, 5013,	\hvFloat 10971
9519, 9524, 9537,	6093, 6288, 7640,	\hvMaxCapWidth 10982,
9992, 10648,	7649, 7898, 9837,	10983, 11004,
10655, 10672,	15149, 15404,	11005, 11006, 11009
10679, 10680,	15517, 15915,	\hvObjectBox . . 10986,
10693, 10697,	16028, 16590, 16703	10989, 10991,
10720, 10839,	\hv@Bottom 11159	10995, 11001,
10840, 10842,	\hv@Center . . . 11063,	11076, 11078,
10885, 10886,	11074, 11114,	11089, 11091,
10888, 11001,	11176, 11204, 11257	11101, 11103, 11119,
11921, 11922,	\hv@figure . 11028, 11046	11120, 11128,
11928, 11931,	\hv@floatObject . . .	11129, 11136,
11964, 12356,	. . . . . 10989, 10993	11137, 11144,
12406, 12452,	\hv@floatType . 11019,	11147, 11152,
12459, 12462,	11028, 11046, 11264	11155, 11160,
13270, 13274,	\hv@Height 11001	11163, 11167,
13279, 13352,	\hv@label 10970	11170, 11181,
13356, 13361,	\hv@Left . . . 11004, 11072	11182, 11190,



1191, 1198, 1199, 1206, 1208, 1219, 1221, 1231, 1233	11736, 11765, 11791 11380, 11395, 11410	11505, 11538, 11569, 11600, 11837 11612, 11631
\hvObjectWidth	\Hy@endcolorlink . 11660 \Hy@footnote@currentHlabel \Hy@footnote@currentHhref	\Hy@saved@footnotemark \Hy@saved@footnotetext
.. 10995, 10999, 11003, 11004, 11005	11342, 11345, 11353, 11356, 11364, 11367, 11375, 11378, 11381, 11390, 11393, 11396, 11405, 11408, 11411, 11454, 11492, 11525, 11556, 11587	11613, 11634 \Hy@SetNewWindow . . 11696, 11724 \Hy@setpdfborder . . 11682, 11716, 11747, 11776
\hvOBox . . . 10989, 10993	\Hy@gtmp . . 11430, 11435	\Hy@tabularx@hook . 11419, 11431
\hvSet@capAngle	\Hy@href@nextactionraw 11697, 11729, 11758, 11784	\Hy@temp@menu 11770, 11783 \Hy@xspace@end 11667, 11703, 11735, 11764, 11790
\hvSet@capPos	\Hy@href@page 11692	\HyLTR@saved@LTRfootnotetext 11615, 11640
.. 11004, 11005, 11072, 11143, 11159	\Hy@linkcounter	\HyOrg@maketitle 11610, 11621, 11626
\hvSet@capVPos	\Hy@linktoc 11273	\HyOrg@TX@endtabularx 11418
.. 11074, 11087, 11114, 11123, 11176, 11185, 11204, 11217	\Hy@LT@currentHref 11825, 11836	\hyper@@@anchor 11342, 11345, 11353, 11356, 11364, 11367, 11375, 11378, 11390, 11393, 11405, 11408, 11465, 11468, 11503, 11506, 11536, 11539, 11567, 11570, 11598, 11601
\hvSet@capWidth	\Hy@LT@LTRfootnotetext 11453, 11462	\hyper@anchorend . 11838 \hyper@anchorstart 11838 \hyper@link 11666 \hyper@linkend 11277, 11281, 11285, 11287, 11667, 11800, 11803
10999, 11001, 11006, 11007	\Hy@LT@RTLfootnotetext 11491, 11500	\hyper@linkfile . . 11669 \hyper@linkstart 11277, 11281, 11285, 11287, 11667, 11796, 11803
\hvSet@floatCapSep	\Hy@MakeRemoteAction 11676	\hyper@linkurl . . . 11738 \hyper@makecurrent 11824 \hyper@nat@current 11797
11080, 11093, 11105, 11118, 11127, 11135, 11180, 11189, 11197, 11210, 11223, 11235	\Hy@maketitle@end 11622, 11627, 11629	
\hvSet@floatPos . . 11017	\Hy@maketitle@optarg 11620, 11625	
\hvSet@objectAngle	\Hy@pstringD 11675, 11694	
10988, 10992	\Hy@pstringdef 11674, 11675, 11709, 11710, 11741	
\hvSet@objectPos	\Hy@pstringF 11672, 11673, 11674, 11689, 11709, 11722, 11727	
11061, 11063, 11257	\Hy@pstringP 11710, 11727	
\hvSet@rotAngle	\Hy@pstringURI 11741, 11754	
10982, 11251, 11254	\Hy@raisedlink 11344, 11355, 11366, 11377, 11392, 11407, 11467,	
\Hy@Acrobatmenu . . 11768		
\Hy@backout 11795		
\Hy@BeginAnnot		
11651, 11671, 11708, 11740, 11769		
\Hy@bidipoem@footnotetext		
11524, 11533		
\Hy@bidipoem@LTRfootnotetext		
11555, 11564		
\Hy@bidipoem@RTLfootnotetext		
11586, 11595		
\Hy@CleanupFile . . 11673		
\Hy@colorlink . 11701, 11733, 11762, 11788		
\Hy@EndAnnot		
11658, 11704,		



\hyper@natlinkbreak	17259, 17260,	\if@bidi@blank
..... 11802	18476, 18483,	.. 2741, 3026, 3033
\hyper@natlinkend 11799	18484, 18591,	\if@bidi@breqloaded@
\hyper@natlinkstart	18608, 18615,	..... 12138
..... 11794	18616, 18617,	\if@bidi@calsloaded@
\hypersetup	18618, 18619, 18620	..... 12141
... 2387, 2395,	\if@allcaps 970, 979,	\if@bidi@captionloaded@
5124, 5183, 5200	987, 1221, 1230,	..... 12144
\hyphenpenalty ... 6,	1238, 1470, 1479,	\if@bidi@colorloaded@
101, 207, 231, 842,	1487, 5873, 5882,	..... 12150
1148, 1341, 5753,	5890, 6049, 6058,	\if@bidi@colortblloaded@
5929, 14290,	6066, 14424,	..... 12166
14739, 14800, 14943	14433, 14441,	\if@bidi@croplloaded@
\HyRTL@saved@RTLfootnotetext	14563, 14572, 14580	..... 12147
..... 11614, 11637	\if@altsecnumformat	\if@bidi@csdef 2705, 2754
	15603, 16138, 16786	\if@bidi@csmacro . 2753
I	\if@anim@controls .	\if@bidi@csprimitive
\ialign .. 613, 17109,	..... 435, 526	..... 2763
17148, 18408, 18599	\if@anim@draft	\if@bidi@csundef . .
\if ... 581, 582, 583,	..... 422, 524, 548	..... 2711, 2784,
585, 586, 587,	\if@anim@dviptdpmx . 367	3667, 3719, 18919
588, 589, 592,	\if@anim@grxloaded 359	\if@bidi@cutedloaded@
593, 594, 618,	\if@anim@multipage	..... 12157
624, 1602, 1603,	..... 400, 423, 454	\if@bidi@cutwinloaded@
1604, 1606, 1607,	\if@anim@step 533	..... 12154
1608, 1609, 1610,	\if@anim@timeline .	\if@bidi@dblfnloaded@
1611, 1612, 1615,	..... 476, 555	..... 12160
1616, 1617, 1640,	\if@anim@xetex 360, 364	\if@bidi@def 2723
1641, 1642, 1644,	\if@bib@break@ 15613,	\if@bidi@defmacro .
1645, 1646, 1647,	15637, 15652,	..... 2746,
1648, 2217, 2223,	15668, 16180,	2747, 2755,
2226, 2229, 2232,	16204, 16219,	2925, 2944, 3088
3462, 6337, 6356,	16235, 16812,	\if@bidi@defparam .
6390, 6392, 6394,	16836, 16851, 16867	..... 2946,
7461, 7515, 7523,	\if@bibchapter ... 17398	3040, 3041, 3090
7524, 7530, 7531,	\if@bidi@amsmathloaded@	\if@bidi@defprimitive
7538, 7539, 7545,	..... 12126	..... 2757
7546, 7556, 7558,	\if@bidi@amstextloaded@	\if@bidi@defprotected
10290, 10314,	..... 12129	..... 2953,
10538, 11885,	\if@bidi@amsthmloaded@	3049, 3050, 3101
12338, 12340,	..... 12132	\if@bidi@draftwatermarkloaded@
12342, 13818,	\if@bidi@animateloaded@	..... 12220
17116, 17151,	..... 12135	\if@bidi@empheqlloaded@
17156, 17243,	\if@bidi@arabxetexloaded@	..... 12223
17244, 17245,	..... 12325	\if@bidi@fancyboxloaded@
17246, 17247,	\if@bidi@arrayloaded@	..... 12214
17248, 17249,	..... 12262	\if@bidi@fancyhdrloaded@
17251, 17252,	\if@bidi@arydshlnloaded@	..... 12217
17253, 17254,	..... 12286	\if@bidi@fancyvrbloaded@
17255, 17258,		..... 12331



\if@bidi@floatloaded@	\if@bidi@newfloatloaded@	\if@bidi@todonotes@textdirection@RTL
..... 12169	..... 12301	..... 17995,
\if@bidi@floatrowloaded@	\if@bidi@ontheoremloaded@	18029, 18069, 18103
..... 12172	..... 12208	\if@bidi@undef 2729,
\if@bidi@flowframloaded@	\if@bidi@overpicloaded@	2788, 2822, 2833,
..... 12175	..... 12226	2852, 2856, 2860,
\if@bidi@fontspecloaded@	\if@bidi@patchable	2864, 2874, 2878,
..... 12322	..... 2913, 2914	2882, 2886,
\if@bidi@framedloaded@	\if@bidi@pdfpagesloaded@	2922, 2941, 3085
..... 12178	..... 12229	\if@bidi@wrapfigloaded@
\if@bidi@ftnrightloaded@	\if@bidi@pgfloaded@	..... 12190
..... 12181	..... 12244	\if@bidi@xcolorloaded@
\if@bidi@geometryloaded@	\if@bidi@picinparloaded@	..... 12163
..... 12196	..... 12247	\if@bidi@xltxtalloaded@
\if@bidi@graphicxloaded@	\if@bidi@polyglossialloaded@	..... 12184
..... 12193	..... 12328	\if@bidi@xtabloaded@
\if@bidi@hvfloatloaded@	\if@bidi@pstricksloaded@	..... 12280
..... 12199	..... 12241	\if@bidi@xunicodeloaded@
\if@bidi@hyperrefloaded@	\if@bidi@quotchaploaded@	..... 12187
..... 12211	..... 12250	\if@capbreak
\if@bidi@lettrineloaded@	\if@bidi@rotatingloaded@	15733, 16300, 16932
..... 12232	..... 12307	\if@captionabove ..
\if@bidi@list@minipage@parbox	\if@bidi@soulloaded@	..... 15766,
..... 1767,	..... 12268	15772, 15785,
18444, 18506,	\if@bidi@stabularloaded@	15795, 16333,
18515, 18524,	..... 12265	16339, 16352,
18533, 18546,	\if@bidi@subfigloaded@	16362, 16965,
18547, 18561, 18562	..... 12271	16971, 16984, 16994
\if@bidi@list@minipage@parbox@not@nob	\if@bidi@subfigureloaded@	\if@cftdopart 17455
..... 1768,	..... 12274	\if@cfthaschapter ..
18452, 18508,	\if@bidi@supertabularloaded@	..... 17446,
18517, 18526, 18535	..... 12277	17450, 17456,
\if@bidi@listingsloaded@	\if@bidi@tblsloaded@	17477, 17489, 17511
..... 12235	..... 12310	\if@cfthaspart ... 17442
\if@bidi@longtableloaded@	\if@bidi@tabularyloaded@	\if@colour 2370
..... 12283	..... 12313	\if@colourgreen 7031,
\if@bidi@mdf@RTL ..	\if@bidi@tikzloaded@	7060, 7129, 7155
..... 12414, 12421	..... 12253	\if@colourgrey 7035,
\if@bidi@mdframedloaded@	\if@bidi@titlesecloaded@	7074, 7133, 7167
..... 12202	..... 12256	\if@colourorange ..
\if@bidi@midfloatloaded@	\if@bidi@titletocloaded@	..... 7029,
..... 12205	..... 12259	7053, 7127, 7149
\if@bidi@minitocloaded@	\if@bidi@tocbibindloaded@	\if@coloured . 7033,
..... 12295	..... 12319	7067, 7131, 7161
\if@bidi@multicolloaded@	\if@bidi@tocstyleloaded@	\if@compatibility ..
..... 12289	..... 12316	. 738, 889, 964,
\if@bidi@multienumloaded@	\if@bidi@todonotes@figposition@right	1132, 1215, 1370,
..... 12292	.. 17996, 18094,	14418, 14557,
\if@bidi@natbibloaded@	18099, 18106, 18112	15562, 17481, 18577



\if@contcw . 13151, 13180	15168, 15629,	\if@RTL 12,
\if@conthang 13161	16196, 16828, 17368	13, 25, 84, 100,
\if@contindent . . . 13167	\if@LTRmarginpar . .	103, 104, 105, 213,
\if@DEBUG 2341	. . . . . 1760,	214, 230, 233,
\if@displaypagenumbers	18812, 18817, 18821	234, 235, 293,
. 2549, 2552	\if@mainmatter 5331,	307, 311, 597,
\if@donumindex	6092, 6287, 7897,	733, 750, 753,
. 17399, 17418	14178, 16141,	754, 777, 792,
\if@dotocbib 17361	16157, 16165, 16173	843, 856, 867,
\if@dotocind 17406, 17423	\if@minipage 4079, 13220	868, 873, 884,
\if@extrafootnotefeatures	\if@mparswitch . . . 18785	909, 912, 913,
. 1763, 1831	\if@newlist . . 10184,	926, 1093, 1094,
\if@fcolmade	10204, 18838, 18890	1100, 1110, 1113,
. . . 6680, 6722,	\if@nobreak	1114, 1127, 1149,
10048, 10084,	. . . 3663, 10745,	1188, 1342, 1348,
10168, 10790,	12425, 14239, 14253	1349, 1354, 1365,
10814, 13303,	\if@noparlist 5584, 5697	1391, 1394, 1395,
13382, 18658, 18683	\if@noskipsec	1413, 1437, 1575,
\if@ff@nwpg 10136	. . . 6335, 10746,	1576, 1687, 1688,
\if@filesw 2293	12426, 14240, 14254	1701, 1712, 1756,
\if@firstcolumn 6658,	\if@oldtoc 877,	1772, 1868, 1874,
6693, 6737, 6818,	903, 1104, 1120,	2124, 2271, 2567,
6837, 6983,	1358, 1385, 5770,	4987, 4988, 5105,
7002, 10020,	5794, 5946,	5106, 5107, 5754,
10052, 10774,	5970, 14325,	5760, 5761, 5766,
10794, 13233,	14349, 14696, 14720	5777, 5800, 5803,
13315, 13403,	\if@openright	5804, 5820, 5930,
18645, 18662, 18783	. . . 5359, 6306, 7917	5936, 5937, 5942,
\if@firstdetailselement	\if@ovb 10000	5953, 5976, 5979,
. 7196, 7198	\if@ovl 9998	5980, 6007, 6090,
\if@firstfooterelement	\if@ovr 9997	6101, 6103, 6239,
. 7100, 7103	\if@ovt 9999	6254, 6257, 6258,
\if@flushend@auto@baselineskip	\if@parafootRTL . . .	6285, 6299, 6315,
. 6853	. . . 1764, 9546, 9557	6333, 6345, 6358,
\if@ignore . . 3210, 3212	\if@pboxsw 18490	6389, 6425, 6466,
\if@inlabel 6336	\if@ref 16433	6467, 6471, 6472,
\if@inltxdoc 17391	\if@restonecol . 823,	6474, 6481, 6487,
\if@insert 7011	839, 1087, 1338,	6506, 6509, 6510,
\if@komalongtable .	5750, 5926,	6516, 6521, 6628,
. 15782, 16349, 16981	6135, 14287,	6631, 6648, 6652,
\if@Latin 338,	14541, 14998, 17438	7442, 7522, 7537,
. 343, 1757, 6372, 6374	\if@reversemargin 18788	7559, 7560, 7561,
\if@LTRbibitems . 84,	\if@rjfield 18827	7562, 7585, 7605,
. 293, 792, 926,	\if@rl 1756	7608, 7609, 7619,
1188, 1437, 1761,	\if@rl@footnote . . 1766	7633, 7646, 7656,
2567, 5820, 6007,	\if@rlmain 1755	7872, 7895, 7910,
6315, 7656, 7926,	\if@rot@twoside 15198,	7926, 7946, 7949,
9864, 13229,	15203, 15213,	7954, 7962, 9809,
13670, 14380,	15243, 15249, 15261	9824, 9827, 9828,
14773, 14966,		9835, 9847, 9864,



10120,	10262,	14675,	14686,	17368,	17463,
10538,	10618,	14687,	14692,	17464,	17465,
10620,	10827,	14703,	14726,	17473,	17494,
10829,	10832,	14729,	14730,	17495,	17496,
10833,	10850,	14740,	14753,	17504,	17517,
10853,	10860,	14773,	14801,	17518,	17519,
10869,	10875,	14917,	14932,	17527,	17534,
10879,	10882,	14935,	14936,	17535,	17536,
10896,	10921,	14941,	14942,	17544,	17551,
10928,	11073,	14966,	15101,	17552,	17553,
11175,	11277,	15116,	15119,	17561,	17568,
11285,	11667,	15120,	15147,	17569,	17570,
11703,	11735,	15159,	15168,	17578,	17585,
11764,	11790,	15278,	15280,	17586,	17587,
11796,	11800,	15284,	15288,	17595,	17602,
11803,	11848,	15290,	15295,	17603,	17604,
11852,	11855,	15299,	15302,	17612,	17620,
11860,	11968,	15306,	15308,	17621,	17622,
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13768,	13783,	16137,	16196,	17984,	18044,
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14316,	14321,	17278,	17303,	18561,	18562,
14332,	14355,	17320,	17340,	18563,	18564,
14358,	14359,	17343,	17348,	18566,	18568,
14380,	14674,	17352,	17353,	18569,	18574,



18581, 18623, 18624, 18630, 18635, 18812, 18817, 18821, 18829, 18830, 18831, 18832, 18899, 18902, 18910, 18920, 19011, 19021, 19027	10946, 10956, 13394, 13550, 18689, 18876, 18886	14803, 14999, 15373, 15884, 16559
\if@RTL@footnote 36, 245, 1766, 1870, 4358, 7988, 8035, 8206, 8251, 8355, 8397, 8497, 8542, 8646, 8691, 8795, 8839, 8944, 8988, 9093, 9138, 9242, 9287, 9391, 9436, 9597, 9647, 10438, 10484, 10522, 10523	\if@RTLmarginpar 1759, 18812, 18817, 18821	\if@tocleft 15544, 15579, 16055, 16082, 16112, 16730, 16760
\if@RTLbibitems . 84, 293, 792, 926, 1188, 1437, 1762, 2567, 5820, 6007, 6315, 7656, 7926, 9864, 13229, 13670, 14380, 14773, 14966, 15168, 15629, 16196, 16828, 17368	\if@RTLtab 582, 583, 599, 602, 624, 626, 1583, 1584, 1603, 1604, 1641, 1642, 1758, 2135, 2139, 2140, 2330, 2333, 6391, 6393, 6415, 6419, 6437, 6438, 6451, 6462, 10537, 12339, 12341, 17093, 17097, 17098, 17116, 17124, 17131, 17156, 17244, 17245, 18403, 18451, 18475, 18508, 18517, 18526, 18535, 18546, 18547, 18561, 18562, 18582, 18586, 18587, 18608, 18616, 18617	\if@tocstyle@penalties 17752, 17861
\if@RTLcolumnfootnotes 1765, 8180, 8181, 8184, 8185, 8216, 8268, 8364, 8413, 8507, 8559, 8656, 8708, 8805, 8857, 8954, 9006, 9103, 9155, 9252, 9304, 9401, 9453	\if@sentdir 1869	\if@todonotes@authorgiven 18020, 18031, 18056, 18073
\if@RTLmain .. 1755, 1771, 1867, 1873, 6524, 6547, 6570, 6593, 6764, 7390, 7396, 7399, 7413, 7431, 10008, 10010, 10011, 10012, 10013, 10015, 10016, 10017, 10267,	\if@specialpage 10139, 18847	\if@todonotes@disabled 18014, 18015
	\if@star 14162	\if@todonotes@dviStyle 18017, 18051
	\if@tab@rl 1758	\if@ttb@rotate ... 10261
	\if@tablecaptionabove 15813, 16380, 17012	\if@twocolumn ... 94, 224, 678, 810, 826, 853, 860, 1027, 1074, 1159, 1170, 1278, 1325, 1410, 1417, 1527, 2279, 5285, 5737, 5913, 6122, 6184, 7721, 7818, 9921, 13093, 14274, 14301, 14308, 14481, 14528, 14622, 14750, 14757, 14865, 14985, 15046, 15452, 15963, 16638, 17393, 18782, 18913
	\if@tempwa .. 3505, 3550, 7298, 7355	\if@twoside 5276, 10143, 15421, 15434, 15502, 15932, 15945, 16013, 16607, 16620, 16688, 18157, 18850
	\if@thmmarks .. 13731, 13735, 13752, 13756	\if@vihproof 13422, 13428
	\if@titlecentered 1557, 14654	\ifadl@inactive .. 1589
	\if@titlepage 631, 844, 951, 1150, 1202, 1401, 1451, 6137, 7678, 7771, 9878, 14292, 14405, 14542, 14741,	\ifadl@usingarypkg 1592
		\ifAM@output 13844
		\ifAM@survey 13822
		\ifartopt 13130
		\ifbidi@autofootnoterule 10268, 10496, 10509, 10522



\ifblendcolors	18213, 18234, 18256, 18283	6881, 6906, 6931, 6966, 6979, 6992, 6995, 6997, 7245, 7266, 7286, 7295, 7322, 7326, 7343, 7352, 7374, 7378, 8105, 8110, 9986, 9988, 10119, 10630, 10638, 10654, 10655, 10685, 10693, 10706, 10721, 10754, 10755, 10838, 10845, 10884, 10891, 10936, 11006, 11144, 11160, 11936, 11942, 12007, 12392, 13100, 13143, 13150, 13154, 13156, 13195, 13240, 13248, 13250, 13322, 13330, 13332, 13404, 13415, 13499, 13507, 13513, 13527, 13535, 13872, 13919, 13944, 14002, 14013, 14020, 14025, 14040, 14138, 14163, 15720, 15728, 16287, 16295, 16437, 16443, 16449, 16455, 16461, 16467, 16473, 16479, 16485, 16919, 16927, 17142, 17787, 17812, 17878, 18134, 18136, 18138, 18140, 18141, 18142, 18144, 18184, 18191, 18794, 18898
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\ifcat	1782, 1884	
\ifconvertcolorsU	18219, 18235, 18262, 18284	
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\ifcsname	378, 437, 506, 527, 2706, 2712, 2839, 3279, 3294, 3508, 3516, 13693, 13703, 13717, 17776, 17777, 17786, 17797, 17801, 17811, 17823, 17877, 17905, 17906, 17914, 17918, 17922, 17926, 17930, 17934, 17938, 17942	
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\ifdfn@trysingle	7290, 7347	
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\ifHy@hyperfootnotes	11292	
\ifHy@nesting	11341, 11352, 11363, 11374, 11389, 11404,	
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11464, 11502,	2312, 2313, 5545,	14623, 14682,
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11715, 11746, 11775	5932, 5948, 5964,	14769, 14866,
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18234, 18266, 18283	7722, 7819, 7868,	15596, 15952,
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6471, 10089,	7896, 8186, 9804,	16069, 16078,
10099, 10827,	9819, 9836, 9922,	16096, 16106,
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11664, 11667,	11654, 11659,	17235, 17236,
11703, 11735,	11920, 11991,	17237, 17238,
11764, 11790,	11994, 12049,	17240, 17325,
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15299, 15302,	13459, 13552,	17618, 17637,
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18205, 18485, 18572	13938, 13950,	17774, 17947,
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\ifnum 3, 133, 139, 204,	13955, 13957,	18613, 18614,
306, 414, 453,	13958, 13959,	18628, 18790,
478, 561, 573,	13960, 13969,	18812, 18907, 18908
574, 575, 576,	13991, 13996,	\ifodd 2218, 5276, 7404,
578, 679, 728,	14007, 14018,	7421, 7481, 10144,
745, 771, 780,	14019, 14025,	18157, 18786, 18851
863, 879, 897,	14029, 14032,	\ifoddpage 3856
1028, 1089, 1122,	14033, 14124,	\ifonlinecaptions
1140, 1279, 1344,	14125, 14132,	15694, 16261, 16893
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1594, 1595, 1596,	14327, 14343,	\ifpgfrememberpicturepositiononpage
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1639, 2233, 2275,	14404, 14482,	\ifpoem@started ...



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	182, 190, 383,		6948, 7249, 7270,	11159,	11176,
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	406, 510, 513, 519,		7360, 8124, 8141,	11217,	11251,
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	2546, 2554, 3745,		10556, 10714,	11301,	11312,
	3815, 3817, 3820,		10735, 11831,	11323,	11630,
	3824, 3827, 3830,		11835, 12470,	11633,	11636,
	3855, 3912, 3931,		13474, 14047, 18307	11639,	11683,
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	7215, 7216, 7217,		3565, 3581, 3636,	15519,	15531,
	7218, 7221, 7225,		3647, 4593, 5414,	15545,	15580,
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16424,	16425,	13224,	14297,		1886, 2374, 5306,
16426,	16427,	14306,	14746,		5371, 18912,
16428,	16429,	14755,	15278,		18922, 18923,
16430,	16434,	15288,	15306,		18924, 18925,
16440,	16446,	15703,	15724,		18926, 18927,
16452,	16458,	15729,	15734,		18928, 18929,
16464,	16470,	15739,	15757,		18930, 18931,
16476,	16482,	16270,	16291,		18932, 18933,
16491,	16521,	16296,	16301,		18934, 18935,
16547,	16554,	16306,	16324,		18936, 18937,
16574,	16579,	16497,	16902,		18938, 18939,
16586,	16592,	16923,	16928,		18940, 18941,
16616,	16687,	16933,	16938,		18942, 18943,
16691,	16699,	16956,	18245,		18944, 18945,
16705,	16717,	18249,	18471,		18946, 18948,
16731,	16761,	18502,	18512,		18949, 18955,
16815,	16877,	18521, 18530, 18539			18962, 18963,
16882,	17137,	\ilg	13941, 13964		18964, 18965,
17336,	17677,	\immediate			18966, 18967,
17763,	17834,	. . . . .	2294, 3660, 5659		18968, 18969,
17846,	17854,	\in@	3523		18970, 18971,
17871,	17896,	\includegraphics . .			18972, 18973,
17963,	17968,	. . . . .	2562, 7092,		18974, 18975,
17970,	18214,		7223, 13772, 13814		18976, 18977,
18257,	18368,	\includemedia			18978, 18979,
18479,	18856,	. . . . .	12671, 12999, 13000		18980, 18981,
18857, 18859, 18860		\includepdf	13805		18982, 18983,
\ifXC@tst	18237, 18286	\IncMargin	182		18984, 18985,
\ignorespaces	45,	\indentedwidth	7962		18986, 18987,
58, 73, 118,		\index	10193, 18866		18988, 18989,
254, 267, 281,		\indexname	817,		18990, 18991,
338, 542, 849,		. . . . .	818, 819, 833,		18992, 18993,
858, 1155, 1406,			834, 1081, 1082,		18994, 18995,
1415, 3147, 4076,			1332, 1333, 5092,		18996, 18997,
4083, 4084, 4093,			5093, 5744, 5745,		18998, 18999,
4679, 4696, 4713,			5920, 5921, 6129,		19000, 19001,
4749, 4778, 4807,			6130, 6131, 14281,		19002, 19004,
5072, 5496, 5507,			14282, 14535,		19005, 19006,
5667, 5668, 5815,			14536, 14992,		19007, 19008,
6002, 6370, 6376,			14993, 14994,		19009, 19032,
6481, 6487, 6495,			17402, 17403,		19033, 19034,
6502, 7949, 7963,			17404, 17408,		19035, 19036,
7998, 8014, 8030,			17409, 17410,		19037, 19038,
8044, 8057, 8070,			17413, 17414,		19039, 19040,
10449,	10465,		17420, 17421,		19041, 19042,
10480,	10506,		17425, 17426,		19043, 19044,
10519,	10532,		17427, 17430, 17431		19045, 19046,
10948,	10952,	\indexspace	5108		19047, 19048,



19049, 19050, 19051, 19052, 19053 \input@path 379, 507, 12692 \InputIfFileExists 3218, 3222, 3231, 11888 \insert 35, 48, 63, 244, 257, 271, 2310, 7240, 7256, 7261, 7277, 7324, 7330, 7376, 7382, 7987, 8003, 8019, 8206, 8216, 8226, 8304, 8355, 8364, 8373, 8447, 8497, 8507, 8517, 8595, 8646, 8656, 8666, 8744, 8795, 8805, 8815, 8893, 8944, 8954, 8964, 9042, 9093, 9103, 9113, 9191, 9242, 9252, 9262, 9340, 9391, 9401, 9411, 9489, 9588, 9600, 9612, 9702, 10437, 10453, 10468 \insert@column 1626, 1627, 1628, 1629, 1631, 1632, 1692, 1694, 1695, 1697, 1698, 1699, 6442, 6444, 6445, 6447, 6448, 6449 \insertpenalties 10405 \int 12725, 12772, 12773, 12777, 12855, 12943, 12946, 12947, 12958, 12994, 13040, 13065 \interfootnotelinepenalty . 38, 51, 66, 247, 260, 274, 8133, 10440, 10456, 10471 \interlinepenalty 38, 51, 66, 247, 260, 274, 778, 841, 866, 1092, 1147, 1340, 1347,	4984, 5752, 5759, 5928, 5935, 6098, 6293, 6301, 6787, 6796, 6806, 6951, 6960, 6970, 7634, 7647, 7903, 7912, 8133, 9841, 9849, 10440, 10456, 10471, 13439, 13451, 13463, 14181, 14289, 14314, 14685, 14738, 14799, 15153, 15161, 15588, 16121, 16769, 17293, 17334, 17467, 17498, 17521, 17538, 17555, 17572, 17589, 17606, 17624, 17643, 17663, 17698, 17837, 17951, 18132, 18632 \intermath@penalty 6369 \intertextsep . 18192, 18194 \InThecType 7455, 13732, 13734, 13753, 13755 \invoice@name 16460 \ior .. 12775, 12776, 12780 \isempty 3931, 4523, 4727, 4732, 4756, 4761, 4785, 4790, 5178, 5187, 5195, 5222 \isodd 15202, 15247 \isSC@ODD 17026, 17027, 17029, 17030, 19012, 19014, 19016, 19018 \isundefined 4135, 4184, 7090, 7096, 7113, 7116, 7117, 7118, 7119, 7120, 7211, 7214, 7215, 7216, 7217, 7218, 7221, 7225 \item 98, 228, 822, 837, 1085, 1168, 1336,	5064, 5072, 5077, 5098, 5748, 5924, 6134, 10094, 10109, 14285, 14539, 14997, 17437 \itemindent .. 5059, 5060, 5068, 18433 \itemsep 3804, 5005, 5044, 5058 \itemx 13598 \itemxox 13633 \itemxoxx 13643 \itemxx 13601 \itemxxo 13638 \itemxxox 13650 \itemxxx 13606 \itemxxxo 13657 \itemxxxx 13613 \itemxxxxx 13622 \itshape 1991, 2534, 4868, 4870, 4874, 4881, 4888, 4923, 4930, 4937, 4944, 4951, 5255, 5256, 5257 J \j@ht 13256, 13263, 13338, 13345, 13411, 13418 \j@pr 13239, 13269, 13321, 13351 \j@sar 13238, 13268, 13307, 13320, 13350, 13386 \j@sk . 13237, 13267, 13307, 13319, 13349, 13386, 13419 \justifying .. 3838, 3908, 4460, 14226 \JustifyingParfillskip 14232 \JustifyingParindent 3810, 4463, 5031, 14233 K \keepthetitle 13076 \kern 27, 29, 30, 31, 237,
---	--	--



12790,	12791,	11916,	11921,	\l@subsubsection . . .
12792,	12794,	11931,	11951,	..... 17548, 17928
12795,	12796,	11952,	11963,	\l@subtable 17656
12797,	12799,	11964,	11965, 11978	\l@table 4993, 17617, 17940
12800,	12801,	\l@LOKeys	11898,	\L@tbox 11918, 11922, 11980
12803,	12804,	11900,	11905, 11910	\l@textcolor 11895, 11896
12805,	12808,	\L@lraise	11923,	\label 2558,
12809,	12810,	11929,	11930,	3960, 3962, 3964,
12813,	12846,	11932,	11933, 11978	3968, 4014, 10192,
12848,	12851,	\L@next	11959,	11036, 11054, 18865
12876,	12878,	11960,	11971, 11973	\labelitemi 961, 1212,
12910,	12914,	\l@ngrel@x		1275, 1461, 5864,
12926,	12927,	.. 2802, 2803, 2805		6040, 14415, 14554
12973,	12981,	\L@Nindent . . .	11880,	\labelname . . . 13599,
12982,	12988,	11958,	11960,	13602, 13604,
12999,	13000,	11962,	11971, 11972	13607, 13609,
13021,	13022,	\L@novskip		13611, 13614,
13023,	13024,	. 11882, 11936, 11940		13616, 13618,
13025,	13026,	\L@oversize	11876	13620, 13623,
13027, 13070, 13071		\l@paragraph 17565, 17932		13625, 13627,
\l@	17708	\L@parshape . .	11968,	13629, 13631,
\L@ante 11878, 11953, 11978		11971, 11975, 11977		13634, 13636,
\l@chapter 5795, 5809,		\l@part 727, 878, 896,		13639, 13641,
5971, 5985, 6248,		1121, 1139, 1359,		13644, 13646,
9818, 14350,		1377, 5771, 5787,		13648, 13651,
14364, 14721,		5947, 5963, 6233,		13653, 13655,
14735, 14926,		7613, 7867, 9803,		13658, 13660, 13662
15110, 16105,		14326, 14342,		\labelsep 82, 86, 291,
16753, 17358,		14697, 14713,		295, 796, 930,
17359, 17490, 17916		14912, 15095,		1192, 1441, 2572,
\l@color . . .	11893, 11894	15539, 16050,		2574, 5021, 5023,
\l@figure	4992,	16077, 16725,		5080, 5824, 6011,
4993, 17599, 17944		17355, 17356,		6319, 7660, 7930,
\L@Findent		17443, 17908, 17911		9868, 13599,
. 11879, 11955, 11979		\L@Pindent . . .	11951,	13602, 13604,
\L@first 11921, 11922,		11952, 11954,		13607, 13609,
11925, 11926,		11955, 11957,		13611, 13614,
11928, 11929,		11958, 11961, 11968		13616, 13618,
11930, 11931,		\L@raise . . .	11877, 11929	13620, 13623,
11936, 11942,		\l@section . 744, 904,		13625, 13627,
11944, 11948,		917, 1105, 1118,		13629, 13631,
11953, 11954,		1386, 1399, 7599,		13634, 13636,
11956, 11957, 11968		15572, 17509, 17920		13639, 13641,
\L@gridfalse	11884	\L@slope 11881, 11972, 11973		13644, 13646,
\L@gridtrue	11884	\l@subfigure	17636	13648, 13651,
\L@hang	11875, 11952	\l@subparagraph . . .		13653, 13655,
\L@imagefalse	11883	..... 17582, 17936		13658, 13660,
\L@imagetrue	11883	\l@subsection		13662, 14384,
\L@lbox	11906,	..... 17531, 17924		14777, 14970,
11907, 11914,				15172, 15635,



16202, 16834, 17372	\Large 781, 4874, 4937,	6869, 6872, 6873
\labelwidth 85,	5011, 5256, 5257,	\LastFrameCommand .
86, 294, 295,	7086, 7179, 7637,	. . . . . 10621, 10731
794, 795, 928,	14901, 15408,	\lastkern . . 4659, 10706
929, 1190, 1191,	15414, 15416,	\lastpenalty
1439, 1440, 2571,	15432, 15521,	. . . 6367, 15574,
2573, 5022, 5023,	15528, 15530,	16107, 16755, 17756
5822, 5823, 6009,	15533, 15919,	\lastrule 6412
6010, 6317, 6318,	15925, 15927,	\lastskip 4092,
7658, 7659, 7928,	15943, 16032,	5585, 5586, 5698,
7929, 9866, 9867,	16039, 16041,	5699, 6366, 6855,
10759, 13599,	16044, 16594,	6856, 6860, 6861,
13602, 13604,	16600, 16602,	6863, 6870, 6875
13607, 13609,	16618, 16707,	\lastskip@a
13611, 13614,	16714, 16716, 16719	. . 6858, 6862, 6866
13616, 13618,	\large . . 645, 651, 716,	\lastskip@b . . 6856,
13620, 13623,	722, 736, 887,	6858, 6860,
13625, 13627,	976, 986, 1061,	6862, 6866, 6867
13629, 13631,	1067, 1130, 1227,	\lastskip@d . . 6855,
13634, 13636,	1237, 1312, 1318,	6861, 6863, 6869,
13639, 13641,	1368, 1476, 1486,	6870, 6873, 6875,
13644, 13646,	1562, 1568, 1572,	6876, 6879, 6889
13648, 13651,	1577, 4881, 4944,	\LaTeX 11812,
13653, 13655,	5010, 5780, 5879,	18371, 18372, 18384
13658, 13660,	5889, 5956, 6055,	\LaTeXe 18373, 18374
13662, 14382,	6065, 6151, 6157,	\LBEG 1996
14383, 14775,	6222, 6228, 6242,	\lcb 1993, 1996, 1997, 2000
14776, 14968,	7085, 7087, 7178,	\lccode 18158, 18159
14969, 15170,	7180, 7622, 7690,	\Lcs 2007
15171, 15633,	7696, 7755, 7761,	\LcsStar 2008
15634, 16200,	7785, 7791, 7856,	\leaders 15370,
16201, 16832,	7862, 7875, 9812,	15881, 16556,
16833, 17370, 17371	9890, 9896, 9955,	17075, 17349,
\langle 1992	9961, 14335,	17847, 17956, 18637
\Larg 1991, 1992,	14430, 14440,	\leavevmode 14,
1993, 1994, 1995	14515, 14521,	215, 307, 357,
\Larga 1992	14569, 14579,	501, 598, 735,
\Largb 1993	14661, 14667,	752, 872, 886,
\LARGE 643, 714,	14671, 14676,	911, 962, 1099,
969, 1059, 1220,	14706, 14827,	1112, 1129, 1213,
1310, 1469, 1560,	14833, 14920,	1276, 1353, 1367,
1571, 4923, 4930,	15013, 15019,	1393, 1462, 2125,
5012, 5255, 5872,	15084, 15090, 15104	2503, 4647, 4985,
6048, 6149, 6220,	\Largr 1995	5453, 5529, 5765,
7175, 7688, 7753,	\Largs 1994	5779, 5802, 5865,
7783, 7854, 9888,	\lastbox 6868,	5941, 5955, 5978,
9953, 14423,	6872, 6898, 9528,	6041, 6241, 6256,
14513, 14562,	9551, 9561, 9565,	6335, 6336, 6466,
14659, 14670,	12451, 14047, 18307	6518, 7607, 7621,
14825, 15011, 15082	\lastbox@a . . . 6868,	7874, 8240, 8386,



8531, 8680, 8829,	11863, 14366,	\leftmarginvi 5020
8978, 9127, 9276,	14411, 14548,	\leftmarginwidth . 14941
9425, 9811, 9826,	14787, 14807,	\leftmark 5352
10094, 10109,	14944, 15003,	\leftskip 12,
10535, 10834,	15125, 15358,	13, 213, 214, 307,
10880, 10900,	15380, 15676,	311, 733, 750,
11670, 11707,	15869, 15891,	753, 754, 843,
11739, 12446,	16243, 16415,	856, 867, 868,
12675, 13008,	16544, 16566, 16875	873, 884, 909,
13440, 13452,	\leftfootnoterule .	912, 913, 1093,
13464, 14046,	1802, 7232, 7979,	1094, 1100, 1110,
14112, 14117,	10364, 10367,	1113, 1114, 1127,
14163, 14184,	10595, 10818, 18915	1149, 1342, 1348,
14320, 14334,	\leftline 14127,	1349, 1354, 1365,
14357, 14416,	18553, 18559, 18561	1391, 1394, 1395,
14555, 14691,	\leftmargin 86, 295,	1413, 4979, 4987,
14705, 14728,	795, 796, 929,	4988, 5559, 5754,
14919, 14934,	930, 1165, 1191,	5760, 5761, 5766,
15103, 15118,	1192, 1440, 1441,	5777, 5800, 5803,
15370, 15552,	2573, 2574, 3801,	5804, 5930, 5936,
15589, 15881,	5002, 5061, 5062,	5937, 5942, 5953,
16063, 16090,	5069, 5075, 5823,	5976, 5979, 5980,
16122, 16556,	5824, 6010, 6011,	6239, 6254, 6257,
16738, 16770,	6318, 6319, 7659,	6258, 6391, 6393,
17042, 17093,	7660, 7929, 7930,	6395, 6509, 6510,
17299, 17322,	9867, 9868, 14181,	6516, 7605, 7608,
17468, 17499,	14383, 14384,	7609, 7619, 7872,
17522, 17539,	14776, 14777,	8465, 9750, 9809,
17556, 17573,	14969, 14970,	9824, 9827, 9828,
17590, 17607,	15171, 15172,	12433, 13110,
17625, 17644,	15634, 15635,	13111, 13437,
17664, 17699,	16201, 16202,	13441, 13442,
17838, 17952,	16833, 16834,	13449, 13454,
18201, 18376,	17371, 17372,	13461, 13466,
18381, 18383,	18443, 18446,	14192, 14194,
18391, 18398,	18456, 18460,	14205, 14207,
18473, 18582, 18633	18468, 18507,	14218, 14220,
\left 18392, 18399, 18407	18509, 18510,	14229, 14231,
\left@footnoterule	18511, 18516,	14248, 14291,
. 30,	18518, 18519,	14304, 14315,
240, 635, 758,	18520, 18525,	14316, 14321,
940, 957, 1176,	18527, 18528,	14332, 14355,
1208, 1419, 1457,	18529, 18534,	14358, 14359,
5834, 5860, 5987,	18536, 18537, 18538	14686, 14687,
6036, 6141, 6263,	\leftmargini . . 3801,	14692, 14703,
7670, 7682, 7775,	5002, 5015, 5022	14726, 14729,
7968, 9853, 9882,	\leftmarginii 5016	14730, 14740,
10360, 10366,	\leftmarginiii . . . 5017	14753, 14801,
10379, 10381,	\leftmarginiv 5018	14917, 14932,
10509, 10522,	\leftmarginv 5019	14935, 14936,



14941,	14942,	\LenToUnit	1503, 1504, 1505,
15101,	15116,	. . . 7399, 7413, 7431	1506, 1541, 1542,
15119,	15120,	\leqno . . . 330, 14123,	1543, 1544, 1545,
15550,	15553,	14125, 18906, 18908	1546, 1547, 1548,
15554,	15586,	\let 83,	1549, 1550, 1551,
15590,	16061,	98, 111, 148, 149,	1559, 1585, 1586,
16064,	16065,	152, 153, 156, 157,	1590, 1606, 1607,
16088,	16091,	160, 180, 184, 199,	1608, 1644, 1645,
16092,	16119,	200, 228, 292,	1646, 1671, 1672,
16123,	16736,	321, 329, 330,	1673, 1674, 1679,
16739,	16740,	342, 379, 491,	1714, 1715, 1777,
16767,	16771,	507, 539, 540,	1779, 1781, 1837,
17291,	17303,	569, 599, 600,	1879, 1881, 1883,
17320,	17341,	603, 620, 624,	1932, 1933, 1934,
17343,	17348,	628, 633, 634,	1935, 1936, 1937,
17352,	17353,	635, 636, 637,	1938, 1939, 1940,
17463,	17464,	638, 639, 657,	1941, 1942, 2080,
17465,	17473,	658, 659, 660,	2081, 2082, 2109,
17494,	17495,	661, 662, 663,	2126, 2127, 2128,
17496,	17504,	664, 665, 666,	2129, 2130, 2131,
17517,	17518,	667, 668, 692,	2132, 2133, 2134,
17519,	17527,	693, 694, 695,	2136, 2137, 2138,
17534,	17535,	696, 697, 698,	2249, 2250, 2251,
17536,	17544,	699, 700, 701,	2252, 2253, 2254,
17551,	17552,	702, 703, 704,	2255, 2256, 2257,
17553,	17561,	711, 712, 713, 799,	2287, 2294, 2577,
17568,	17569,	822, 837, 933,	2586, 2591, 2609,
17570,	17578,	955, 956, 957,	2633, 2652, 2657,
17585,	17586,	958, 959, 997,	2682, 2683, 2690,
17587,	17595,	998, 999, 1000,	2691, 2694, 2695,
17602,	17603,	1001, 1002, 1003,	2697, 2775, 2778,
17604,	17612,	1004, 1005, 1006,	2786, 2803, 2825,
17620,	17621,	1041, 1042, 1043,	2847, 2848, 2978,
17622,	17630,	1044, 1045, 1046,	3058, 3060, 3061,
17639,	17640,	1047, 1048, 1049,	3062, 3063, 3064,
17641,	17649,	1050, 1051, 1058,	3119, 3130, 3137,
17659,	17660,	1085, 1195, 1206,	3143, 3149, 3156,
17661,	17669,	1207, 1208, 1209,	3160, 3162, 3244,
17694,	17695,	1210, 1248, 1249,	3260, 3280, 3295,
17696,	17704,	1250, 1251, 1252,	3311, 3404, 3425,
17744,	17745,	1253, 1254, 1255,	3426, 3442, 3485,
17746,	17769,	1256, 1257, 1292,	3488, 3490, 3495,
17831,	17832,	1293, 1294, 1295,	3509, 3517, 3518,
17833,	17839,	1296, 1297, 1298,	3538, 3539, 3566,
17842,	17889,	1299, 1300, 1301,	3577, 3582, 3586,
17949,	17954,	1302, 1309, 1336,	3588, 3591, 3601,
17977,	17984,	1444, 1455, 1456,	3612, 3639, 3650,
18542,	18568,	1457, 1458, 1459,	3659, 3708, 3713,
18569, 18630, 18635		1497, 1498, 1499,	3729, 3730, 3731,
\LEND	1997	1500, 1501, 1502,	3732, 3734, 3735,



3736, 3737, 3793,
3923, 3924, 3961,
3962, 3968, 4013,
4014, 4096, 4098,
4100, 4246, 4247,
4260, 4264, 4266,
4267, 4273, 4277,
4281, 4290, 4534,
4535, 4553, 4554,
4572, 4573, 4600,
4601, 4629, 4630,
4631, 4725, 4746,
4747, 4748, 4754,
4775, 4776, 4777,
4783, 4804, 4805,
4806, 4822, 4826,
4827, 4828, 4831,
4835, 4836, 4837,
4840, 4844, 4845,
4846, 4993, 5057,
5098, 5185, 5252,
5253, 5254, 5444,
5445, 5447, 5448,
5466, 5487, 5488,
5489, 5490, 5491,
5492, 5493, 5494,
5495, 5498, 5499,
5500, 5501, 5502,
5503, 5504, 5505,
5506, 5567, 5593,
5643, 5649, 5670,
5683, 5693, 5707,
5711, 5712, 5713,
5714, 5715, 5716,
5717, 5718, 5719,
5725, 5726, 5727,
5728, 5729, 5730,
5731, 5732, 5733,
5748, 5827, 5858,
5859, 5860, 5861,
5862, 5900, 5901,
5902, 5903, 5904,
5905, 5906, 5907,
5908, 5909, 5924,
6014, 6034, 6035,
6036, 6037, 6038,
6076, 6077, 6078,
6079, 6080, 6081,
6082, 6083, 6084,
6085, 6134, 6139,

6140, 6141, 6142,
6143, 6144, 6145,
6163, 6164, 6165,
6166, 6167, 6168,
6169, 6170, 6171,
6172, 6173, 6174,
6198, 6199, 6200,
6201, 6202, 6203,
6204, 6205, 6206,
6207, 6208, 6209,
6210, 6217, 6218,
6219, 6322, 6346,
6348, 6351, 6352,
6353, 6359, 6364,
6384, 6397, 6398,
6399, 6401, 6402,
6407, 6408, 6409,
6410, 6422, 6431,
6472, 6478, 6499,
7230, 7231, 7232,
7233, 7234, 7237,
7238, 7240, 7258,
7259, 7261, 7279,
7280, 7284, 7319,
7321, 7333, 7336,
7337, 7341, 7371,
7373, 7385, 7388,
7389, 7663, 7680,
7681, 7682, 7683,
7684, 7702, 7703,
7704, 7705, 7706,
7707, 7708, 7709,
7710, 7711, 7735,
7736, 7737, 7738,
7739, 7740, 7741,
7742, 7743, 7744,
7745, 7752, 7773,
7774, 7775, 7776,
7777, 7778, 7779,
7797, 7798, 7799,
7800, 7801, 7802,
7803, 7804, 7805,
7806, 7807, 7808,
7832, 7833, 7834,
7835, 7836, 7837,
7838, 7839, 7840,
7841, 7842, 7843,
7844, 7851, 7852,
7853, 7933, 7977,
7978, 7979, 7980,

7981, 8073, 8074,
8075, 8076, 8077,
8078, 8080, 8081,
8082, 8083, 8084,
8085, 8086, 8194,
8195, 8196, 8200,
8201, 8202, 8203,
8205, 8343, 8344,
8345, 8349, 8350,
8351, 8352, 8354,
8485, 8486, 8487,
8491, 8492, 8493,
8494, 8496, 8634,
8635, 8636, 8640,
8641, 8642, 8643,
8645, 8783, 8784,
8785, 8789, 8790,
8791, 8792, 8794,
8932, 8933, 8934,
8938, 8939, 8940,
8941, 8943, 9081,
9082, 9083, 9087,
9088, 9089, 9090,
9092, 9230, 9231,
9232, 9236, 9237,
9238, 9239, 9241,
9379, 9380, 9381,
9385, 9386, 9387,
9388, 9390, 9570,
9571, 9572, 9576,
9577, 9578, 9579,
9581, 9589, 9601,
9613, 9638, 9652,
9666, 9757, 9871,
9880, 9881, 9882,
9883, 9884, 9902,
9903, 9904, 9905,
9906, 9907, 9908,
9909, 9910, 9911,
9935, 9936, 9937,
9938, 9939, 9940,
9941, 9942, 9943,
9944, 9945, 9952,
10007, 10031,
10034, 10035,
10063, 10066,
10067, 10145,
10146, 10148,
10149, 10152,
10153, 10182,



10184,	10192,	12402,	12403,	14495,	14496,
10193,	10194,	12425,	12426,	14497,	14498,
10204,	10207,	12427,	12428,	14499,	14500,
10339,	10367,	12429,	12437,	14501,	14502,
10393,	10394,	12484,	12485,	14503,	14504,
10496,	10509,	12486,	13078,	14505,	14512,
10522,	10547,	13079,	13080,	14539,	14546,
10548,	10549,	13081,	13082,	14547,	14548,
10550,	10584,	13083,	13084,	14549,	14550,
10599,	10605,	13085,	13086,	14551,	14552,
10610,	10745,	13142,	13145,	14590,	14591,
10746,	10747,	13146,	13148,	14592,	14593,
10748,	10818,	13149,	13544,	14594,	14595,
10819,	10820,	13547,	13567,	14596,	14597,
10821,	10822,	13568,	13571,	14598,	14599,
10903,	10937,	13572,	13575,	14600,	14601,
10939,	11293,	13576,	13679,	14636,	14637,
11294,	11295,	13680,	13681,	14638,	14639,
11336,	11337,	13789,	13790,	14640,	14641,
11338,	11380,	13791,	13792,	14642,	14643,
11381,	11382,	13793,	13795,	14644,	14645,
11395,	11396,	13808,	13813,	14646,	14647,
11397,	11410,	13827,	13859,	14648,	14656,
11411, 11412,	11418,	14048,	14052,	14657,	14658,
11420,	11421,	14095,	14096,	14780,	14805,
11422,	11423,	14097,	14098,	14806,	14807,
11424,	11425,	14101,	14102,	14808,	14809,
11426,	11435,	14104,	14109,	14810,	14811,
11471,	11509,	14119,	14120,	14839,	14840,
11542,	11573,	14121,	14122,	14841,	14842,
11604,	11610,	14123,	14185,	14843,	14844,
11612,	11613,	14189,	14191,	14845,	14846,
11614,	11615,	14202,	14204,	14847,	14848,
11616,	11617,	14215,	14217,	14849,	14850,
11618,	11619,	14227,	14228,	14879,	14880,
11631,	11634,	14239,	14240,	14881,	14882,
11637,	11640,	14241,	14242,	14883,	14884,
11807,	11808,	14243,	14253,	14885,	14886,
11809,	11810,	14254,	14255,	14887,	14888,
11825,	11836,	14256,	14257,	14889,	14890,
11894,	11904,	14266,	14268,	14891,	14897,
11909,	12046,	14269,	14285,	14898,	14899,
12345,	12346,	14387,	14409,	14973,	14997,
12347,	12349,	14410,	14411,	15001,	15002,
12351,	12355,	14412,	14413,	15003,	15004,
12357,	12359,	14451,	14452,	15005,	15006,
12360,	12362,	14453,	14454,	15007,	15025,
12363,	12364,	14455,	14456,	15026,	15027,
12368,	12374,	14457,	14458,	15028,	15029,
12386,	12401,	14459,	14460,	15030,	15031,



15032,	15033,	15978,	15979,	16899,	16900,
15034,	15035,	15980,	15981,	16906,	16907,
15036,	15060,	15982,	15983,	16908,	16909,
15061,	15062,	15984,	15985,	16910,	16911,
15063,	15064,	15986,	15987,	17005,	17007,
15065,	15066,	15988,	15989,	17013,	17015,
15067,	15068,	15990,	15991,	17033,	17034,
15069,	15070,	15992,	15993,	17035,	17038,
15071,	15072,	15994,	15995,	17094,	17095,
15079,	15080,	15996,	15997,	17096,	17100,
15081,	15175,	15998,	15999,	17111,	17112,
15200,	15227,	16000,	16001,	17113,	17120,
15228,	15245,	16002,	16003,	17121,	17127,
15317,	15318,	16004,	16005,	17136,	17137,
15319,	15378,	16009,	16010,	17138,	17140,
15379,	15380,	16011,	16213,	17143,	17147,
15381,	15382,	16238,	16239,	17150,	17152,
15383,	15384,	16263,	16264,	17155,	17164,
15386,	15450,	16265,	16266,	17167,	17180,
15467,	15468,	16267,	16268,	17181,	17182,
15469,	15470,	16274,	16275,	17197,	17198,
15471,	15472,	16276,	16277,	17199,	17200,
15473,	15474,	16278,	16279,	17201,	17202,
15475,	15476,	16373,	16375,	17204,	17205,
15477,	15478,	16381,	16383,	17208,	17209,
15479,	15480,	16503,	16504,	17286,	17315,
15481,	15482,	16505,	16564,	17344,	17349,
15483,	15484,	16565,	16566,	17355,	17358,
15485,	15486,	16567,	16568,	17375,	17437,
15487,	15488,	16569,	16570,	17441,	17470,
15489,	15490,	16572,	16636,	17471,	17472,
15491,	15492,	16653,	16654,	17501,	17502,
15493,	15494,	16655,	16656,	17503,	17524,
15498,	15499,	16657,	16658,	17525,	17526,
15500,	15646,	16659,	16660,	17541,	17542,
15671,	15672,	16661,	16662,	17543,	17558,
15696,	15697,	16663,	16664,	17559,	17560,
15698,	15699,	16665,	16666,	17575,	17576,
15700,	15701,	16667,	16668,	17577,	17592,
15707,	15708,	16669,	16670,	17593,	17594,
15709,	15710,	16671,	16672,	17609,	17610,
15711,	15712,	16673,	16674,	17611,	17627,
15806,	15808,	16675,	16676,	17628,	17629,
15814,	15816,	16677,	16678,	17646,	17647,
15828,	15829,	16679,	16680,	17648,	17666,
15830,	15889,	16684,	16685,	17667,	17668,
15890,	15891,	16686,	16845,	17701,	17702,
15892,	15893,	16870,	16871,	17703,	17750,
15894,	15895,	16895,	16896,	17966,	17974,
15897,	15961,	16897,	16898,	17979,	17986,



18003,	18006,	\line	6528, 6529,	16359,	16991,
18066,	18124,		6531, 6532, 6538,	18349,	18351,
18128,	18206,		6539, 6541, 6542,	18442,	18443,
18211,	18221,		6551, 6552, 6554,	18470,	18507,
18225,	18254,		6555, 6561, 6562,	18509,	18510,
18264,	18268,		6564, 6565, 6574,	18511,	18516,
18308,	18312,		6575, 6577, 6578,	18518,	18519,
18355,	18356,		6584, 6585, 6587,	18520,	18525,
18357,	18358,		6588, 6597, 6598,	18527,	18528,
18361,	18362,		6600, 6601, 6607,	18529,	18534,
18364,	18369,		6608, 6610, 6611,	18536,	18537,
18371,	18373,		14126, 14127, 14128	18538, 18828, 18831	
18385,	18386,	\lineskip	198, 621, 646,	\link	2537
18387,	18388,		717, 977, 1062,	\list	85, 294, 793, 927,
18392,	18393,		1228, 1313, 1477,		1163, 1189, 1438,
18399,	18400,		1563, 1572, 2407,		5040, 5058, 5067,
18401,	18415,		5880, 6056, 6152,		5075, 5821, 6008,
18436,	18488,		6223, 7691, 7756,		6316, 7657, 7927,
18541,	18544,		7786, 7857, 9891,		9865, 13671,
18545,	18559,		9956, 10196,		14381, 14774,
18560,	18578,		12387, 12434,		14967, 15169,
18583,	18584,		14249, 14263,		15630, 16197,
18585,	18589,		14431, 14516,		16829, 17369, 18425
18601,	18602,		14570, 14662,	\listdoubleitemmaincolumnwidth	
18603,	18604,		14671, 14828,		2477, 2490, 2491,
18610,	18611,		14904, 15014,		2492, 2519, 2523
18612,	18836,		15085, 15408,	\listfigurename . . .	
18838,	18851,		15522, 15919,		. . . . . 4962, 4963
18852,	18853,		16033, 16594,	\listitemmaincolumnwidth	
18854,	18856,		16708, 17115,		. . . . . 2476,
18857,	18859,		17155, 18606, 18868		2484, 2485, 2517
18860,	18865,	\lineskiplimit		\listitemsymbol . . .	
18866,	18867,		. . . . . 10197, 18868		2418, 2475, 2516,
18890,	18893,	\linespacing	24		2518, 7041, 7139
18905,	18906,	\linewidth	2531,	\listitemsymbolwidth	
18914,	18915,		3990, 10095,		. . . . . 2474,
18916, 19055, 19057			10110, 10114,		2475, 2485, 2491
\Letter	2423		10757, 10765,	\listoffigures . . .	4960
\lettergroup	5109		10766, 10768,	\listoftables	4968
\LettrineDepth . . .	11965		10769, 10983,	\listparindent	
\LettrineFont	11906, 11916		11956, 11959,		1163, 5060, 5067,
\LettrineFontEPS .	11914		11975, 12431,		5068, 18432, 18441
\LettrineHeight . .	11964		13150, 13156,	\listtablename	4970, 4971
\LettrineTextFont .			13746, 13748,	\llap	5047, 7454, 8106,
	. . . . . 11918, 11927		13766, 13768,		10012, 10017,
\LettrineWidth			13936, 13942,		10825, 10948,
	. . . . . 11907, 11963		14028, 14037,		10950, 10952,
\lftside	13978,		14038, 14089,		10954, 10957,
	13980, 13983,		14091, 14246,		10959, 10962,
	13985, 13999, 14001		14260, 15792,		



10964, 11978,	16394, 16494,	\lstKV@SwitchCases 11984
17060, 17304, 17322	16519, 17032,	\lstset 1953
\LoadClass .. 5294, 5318	17220, 17224,	\LT@chl 12347, 12349
\long 34, 47,	17227, 17231,	\LT@save@row 2299
62, 243, 256, 270,	18200, 18375,	\LT@tabarray
675, 960, 1025,	18472, 18709,	..... 12346, 12350
1211, 1274, 1460,	18713, 18717,	\LT@array 2283, 11816,
1525, 1925, 2144,	18753, 18757,	12336, 15806,
2147, 2150, 2155,	18761, 18820, 18895	15807, 16373,
2158, 2161, 2627,	\longindentation . 7961	16374, 17005, 17006
2628, 2637, 2640,	\longtable 2271	\LT@bchunk
2651, 2743, 2747,	\longthickrule	12377, 12384, 12388
2780, 2805, 2809,	..... 14896, 14902	\LT@caption .. 12355,
2919, 2938, 3013,	\loop . 453, 6621, 6746,	15808, 15814,
3029, 3041, 3050,	6752, 6857, 6912,	15816, 16375,
3082, 3110, 3122,	6924, 9549, 9559,	16381, 16383,
3123, 3656, 3930,	11942, 13934,	17007, 17013, 17015
4073, 4333, 4337,	13970, 13997,	\LT@cols 12390,
4341, 4377, 4381,	14008, 14035, 17175	15791, 16358, 16990
4385, 4421, 4425,	\lower 14117,	\LT@echunk 2289
4429, 4640, 4724,	14151, 14159,	\LT@end@open . 2305, 2313
4753, 4782, 5600,	18194, 18381, 18383	\LT@endpbox 12357
5603, 5606, 5610,	\lowercase .. 3778, 4479	\LT@entry ... 2287, 2294
5613, 5616, 5863,	\lowertitleback ...	\LT@entry@chop ... 2287
6039, 6181, 6465,	15491, 16002, 16677	\LT@entry@write .. 2294
7239, 7260, 7718,	\LR 11808, 14097, 14117,	\LT@err 2280, 2314
7815, 9918, 10437,	18357, 18381, 18383	\LT@final@warn ... 2303
10453, 10468,	\lrb 1995, 2004	\LT@foot
10495, 10508,	\LRE . 1778, 1880, 11807,	2317, 2321, 2330,
10521, 10823,	14097, 14100,	2333, 11831, 11835
10833, 10879,	18006, 18357, 18360	\LT@get@widths ... 2292
10920, 10927,	\LRfootnoterule ...	\LT@head 2324, 2337
11339, 11350,	. 7234, 7981, 10367	\LT@hline 12355
11361, 11372,	\lsb 1994, 2002	\LT@kill 12355
11387, 11402,	\lst@caption . 12018,	\LT@lastfoot
11445, 11462,	12024, 12031, 12036	.. 2317, 2319, 2330
11483, 11500,	\lst@alloverstyle .	\LT@LL@FM@cr 12364, 12368
11516, 11533,	..... 1983, 1989	\LT@make@row 12385
11547, 11564,	\lst@HRefStepCounter	\LT@makecaption ...
11578, 11595,	..... 12018, 12024	..... 12389,
11820, 11999,	\lst@ifnumberbychapter	15783, 16350, 16982
13092, 13142,	..... 12046, 12047	\LT@mcol 12345, 12390,
13192, 13214,	\lst@Key 11983	15791, 16358, 16990
13579, 13583,	\lst@MakeCaption ..	\LT@no@pgbk 12353, 12354
13587, 13917,	..... 12016, 12029	\LT@nofcols 12384
14111, 14414,	\lst@makecaption . 12014	\LT@output 2311
14479, 14553,	\lst@maketitle	\LT@p@ftn 11440,
14620, 14815,	12015, 12041, 12043	11443, 11447,
14858, 15043,	\lst@title@dropdelim	11457, 11478,
15333, 15844,	..... 12015	11481, 11485,



11495, 12408, 12409, 12411, 12412 \LT@p@ftntext 12401 \LT@p@LTRftntext 11438, 11445, 12402, 12407 \LT@p@RTLftntext 11476, 11483, 12403, 12410 \LT@rows 12379 \LT@save@row 2288, 2297, 2299 \LT@setprevdepth 12380 \LT@start 2290, 11833, 11843 \LT@startpbox 12361, 12368, 12399 \LT@tabularcr 12351 \LT@warn 2301 \LTcapwidth 12390 \LTleft 12339, 12341, 12343, 12381 \LTpost 2309 \LTR 14089, 18349 \LTR@column@boxes .. 13505, 13548, 13550 \LTR@outputdblcol 6692, 10051, 10774, 13314, 18661, 18689, 18691 \LTRbiditufteesidenotemarginpar .. 4360, 4685, 4833 \LTRcite 4630, 4747, 4776, 4805, 4827, 4836, 4845 \LTRcolumnfootnotes 8088 \LTRdblcol 18691 \LTRdfnmakecol ... 7392 \LTRfootnote ... 638, 712, 2081, 2089, 4816, 5166, 6144, 6218, 7778, 7852, 10422, 14551, 14657, 14810, 14898, 15006, 15080, 15383, 15499, 15894, 16010, 16569, 16685 \LTRfootnotetext .. 2148, 2159, 5604, 5614, 10568, 10570, 11441, 12408, 17221, 17225 \LTRfoottextfont 8023, 8030, 8051, 8057, 8128, 8218, 8246, 8266, 8366, 8392, 8411, 8509, 8537, 8557, 8658, 8686, 8706, 8807, 8835, 8855, 8956, 8984, 9004, 9105, 9133, 9153, 9254, 9282, 9302, 9403, 9431, 9451, 9603, 9631, 9655 \LTRight 12339, 12341, 12343, 12382 \LTRmarginnote ... 4830 \LTRmarginpar ... 18692 \LTRmulticolcolumns 13546 \LTRsidenote . 4555, 4812 \LTRthanks 638, 658, 693, 712, 5166, 5174, 5191, 5207, 5218, 6144, 6164, 6199, 6218, 7778, 7798, 7833, 7852, 10566, 13079, 14551, 14591, 14637, 14657, 14810, 14840, 14880, 14898, 15006, 15026, 15061, 15080, 15383, 15468, 15499, 15894, 15979, 16010, 16569, 16654, 16685 \ltx@firstofthree 10292, 10316 \ltx@ifundefined 10286, 10310 \ltx@secondofthree 10295, 10319 \ltx@thirdofthree .. 10288, 10305, 10312 M \m@advipersep 13259, 13341 \m@m@float@spacing 8092 \m@m@footnote@spacing ... 7989, 8005, 8021, 8037, 8050, 8063, 8091, 8207, 8217, 8227, 8253, 8265, 8278, 8305, 8318, 8333, 8338, 8356, 8365, 8374, 8399, 8410, 8422, 8448, 8460, 8475, 8480, 8498, 8508, 8518, 8544, 8556, 8569, 8596, 8609, 8624, 8629, 8647, 8657, 8667, 8693, 8705, 8718, 8745, 8758, 8773, 8778, 8796, 8806, 8816, 8842, 8854, 8867, 8894, 8907, 8922, 8927, 8945, 8955, 8965, 8991, 9003, 9016, 9043, 9056, 9071, 9076, 9094, 9104, 9114, 9140, 9152, 9165, 9192, 9205, 9220, 9225, 9243, 9253, 9263, 9289, 9301, 9314, 9341, 9354, 9369, 9374, 9392, 9402, 9412, 9438, 9450, 9463, 9490, 9503, 9518, 9523, 9582, 9590, 9602, 9614, 9640, 9654, 9668, 9694, 9703, 9717 \m@m@h 8176, 8178, 8180, 8183, 8184, 8189 \m@m@k 8176, 8178, 8183, 8186, 8187, 8189 \m@m@makecolfloats 9755, 9796 \m@m@makecolintro 9770, 9789 \m@m@makecoltext ..
--



..... 9759, 9798	\m@make@mpsixcol@footgroup	\m@make@threecol@footfmt
\m@make@singlespace . 8090	.. 8793, 8881, 8925	..... 8433, 8468
\m@make@eightcol@footgroup	\m@make@mpsixcol@footnotetext	\m@make@threecol@footnotetext
.. 9086, 9178, 9218	..... 8878, 8903	..... 8431, 8445
\m@make@eightcol@footfmt	\m@make@mpntencol@footgroup	\m@make@twocol@footgroup
..... 9177, 9213	.. 9389, 9477, 9521	.. 8199, 8291, 8331
\m@make@eightcol@footnotetext	\m@make@mpntencol@footnotetext	\m@make@twocol@footfmt
..... 9175, 9189	..... 9474, 9499	..... 8290, 8326
\m@make@fivecol@footgroup	\m@make@mpthreecol@footgroup	\m@make@twocol@footnotetext
.. 8639, 8731, 8771	.. 8353, 8435, 8478	..... 8288, 8302
\m@make@fivecol@footfmt	\m@make@mpthreecol@footnotetext	\m@doextrafeet ...
..... 8730, 8766	..... 8432, 8456	..... 8119, 9795
\m@make@fivecol@footnotetext	\m@make@mpnwocol@footgroup	\m@doextrafeetendmini
..... 8728, 8742	.. 8204, 8292, 8336	..... 8147, 8157
\m@make@footstart .	\m@make@mpnwocol@footnotetext	\m@doextrafeetmini 8138
.... 8162, 8172,	..... 8289, 8314	\m@dosplits ... 8181,
8293, 8436, 8584,	\m@make@ninelcol@footgroup	8185, 8186, 8187
8733, 8882, 9031,	.. 9235, 9327, 9367	\m@interparanoteglue
9180, 9329, 9478	\m@make@ninelcol@footfmt	..... 9541, 9543
\m@make@fourcol@footgroup	..... 9326, 9362	\m@mipn@skip
.. 8490, 8582, 8622	\m@make@ninelcol@footnotetext	.. 9533, 9540, 9542
\m@make@fourcol@footfmt	..... 9324, 9338	\m@makehboxoffhboxes
..... 8581, 8617	\m@make@para@footgroup	..... 9545,
\m@make@fourcol@footnotetext	.. 9575, 9682, 9733	9556, 9736, 9743
..... 8579, 8593	\m@make@para@footstart	\m@mfm@prepare 8001,
\m@make@mpeightcol@footgroup	..... 9684, 9747	8017, 8033, 8097,
.. 9091, 9179, 9223	\m@make@parafootfmt	8215, 8225, 8235,
\m@make@mpeightcol@footnotetext	..... 9681, 9727	8261, 8274, 8286,
..... 9176, 9201	\m@make@parafootnotetext	8313, 8325, 8363,
\m@make@mpfivecol@footgroup	..... 9679, 9700	8372, 8381, 8406,
.. 8644, 8732, 8776	\m@make@sevenscol@footgroup	8418, 8429, 8455,
\m@make@mpfivecol@footnotetext	.. 8937, 9029, 9069	8467, 8506, 8516,
..... 8729, 8754	\m@make@sevenscol@footfmt	8526, 8552, 8565,
\m@make@mpfourcol@footgroup	..... 9028, 9064	8577, 8604, 8616,
.. 8495, 8583, 8627	\m@make@sevenscol@footnotetext	8655, 8665, 8675,
\m@make@mpfourcol@footnotetext	..... 9026, 9040	8701, 8714, 8726,
..... 8580, 8605	\m@make@sixcol@footgroup	8753, 8765, 8804,
\m@make@mpninelcol@footgroup	.. 8788, 8880, 8920	8814, 8824, 8850,
.. 9240, 9328, 9372	\m@make@sixcol@footfmt	8863, 8875, 8902,
\m@make@mpninelcol@footnotetext	..... 8879, 8915	8914, 8953, 8963,
..... 9325, 9350	\m@make@sixcol@footnotetext	8973, 8999, 9012,
\m@make@mppara@footgroup	..... 8877, 8891	9024, 9051, 9063,
.. 9580, 9683, 9740	\m@make@tencol@footgroup	9102, 9112, 9122,
\m@make@mpparafootnotetext	.. 9384, 9476, 9516	9148, 9161, 9173,
..... 9680, 9713	\m@make@tencol@footfmt	9200, 9212, 9251,
\m@make@mpsevenscol@footgroup	..... 9475, 9511	9261, 9271, 9297,
.. 8942, 9030, 9074	\m@make@tencol@footnotetext	9310, 9322, 9349,
\m@make@mpsevenscol@footnotetext	..... 9473, 9487	9361, 9400, 9410,
..... 9027, 9052	\m@make@threecol@footgroup	9420, 9446, 9459,
	.. 8348, 8434, 8473	9471, 9498, 9510,



9599, 9611, 9623, 9649, 9663, 9677, 9712, 9726	10110, 12386, 17847, 17956, 18407, 18490, 18574, 18576, 18637	15470, 15883, 15954, 15981, 16558, 16629, 16656
\m@mold@footnotetext 8073, 8080	\maincolumnwidth 2472, 2481, 2482, 2483, 2484, 2486, 2490, 2505, 2509, 2534	\maketitledetailsnewline 7197, 7212, 7214, 7215, 7216, 7217, 7218
\m@mold@LTRfootnotetext 8074, 8081	\mainmatter 5345	\maketitledetailswidth 7189, 7191, 7192, 7193, 7194, 7209
\m@mold@mpfootnotetext 8076, 8083	\makeatletter 2985, 3004	\maketitlehookb .. 13137
\m@mold@mpLTRfootnotetext 8077, 8084	\makebox 7442, 7447, 7516, 7519, 7522, 7529, 7537, 7544, 7585, 7589, 13783, 13801	\maketitlehookc .. 13139
\m@mold@mpRTLfootnotetext 8078, 8085	\makebox 7442, 7447, 7516, 7519, 7522, 7529, 7537, 7544, 7585, 7589, 13783, 13801	\maketitlenamefullwidth ... 7183, 7184, 7186
\m@mold@RTLfootnotetext 8075, 8082	\makebox 7442, 7447, 7516, 7519, 7522, 7529, 7537, 7544, 7585, 7589, 13783, 13801	\maketitlenamemaxwidth ... 7181, 7182, 7186
\m@mopfootnote 9771, 9793	\makebox 7442, 7447, 7516, 7519, 7522, 7529, 7537, 7544, 7585, 7589, 13783, 13801	\maketitlenamewidth 7185, 7186, 7192, 7204
\m@mopsidebar 9782, 9797	\makebox 7442, 7447, 7516, 7519, 7522, 7529, 7537, 7544, 7585, 7589, 13783, 13801	\maketitlepage 5228, 5270
\m@mremovehboxes 9565, 9566, 9737, 9744	\makebox 7442, 7447, 7516, 7519, 7522, 7529, 7537, 7544, 7585, 7589, 13783, 13801	\maketitlepicturewidth 7187, 7188, 7194, 7223
\m@mrigidbalance 8178, 8183, 8335, 8340, 8477, 8482, 8626, 8631, 8775, 8780, 8924, 8929, 9073, 9078, 9222, 9227, 9371, 9376, 9520, 9525	\MakeFramed 10623	\MakeUppercase .. 121, 791, 818, 819, 834, 925, 1082, 1187, 1333, 1436, 5745, 5819, 5921, 6006, 6130, 6131, 6314, 7655, 7925, 9863, 14282, 14379, 14536, 14772, 14993, 14994, 15167
\m@msplitoff . 8186, 8188	\makelabel . 5047, 18436	\margininline 15689, 16256, 16888
\m@mungebox .. 9534, 9599, 9611, 9623, 9649, 9663, 9677, 9712, 9726	\maketag@@@ 338, 7440, 7453	\marginnote 4821
\m@munnvxh ... 9526, 9535	\makethanksmark . 13092	\marginpar ... 3900, 4602, 15690, 16257, 16889, 18042
\m@mne 306, 771, 780, 2681, 2783, 4328, 4372, 4416, 6091, 6249, 6286, 6621, 7627, 7636, 7896, 9819, 9836, 11663, 13479, 14177, 14927, 15111, 15148, 15540, 16106, 16754, 17449, 17491, 17775, 18704, 18748, 18783, 18786	\maketitle 106, 315, 322, 632, 660, 671, 695, 953, 998, 1020, 1042, 1204, 1249, 1271, 1293, 1453, 1498, 1520, 1542, 1921, 1933, 2498, 5142, 5246, 5270, 5856, 5901, 6032, 6077, 6138, 6166, 6177, 6201, 7088, 7202, 7679, 7703, 7714, 7736, 7772, 7800, 7811, 7835, 9879, 9903, 9914, 9936, 11610, 11611, 13087, 14407, 14452, 14474, 14496, 14544, 14593, 14615, 14639, 14804, 14842, 14853, 14882, 15000, 15028, 15039, 15063, 15372, 15443,	\marginparpush 3833, 18802
\m@th 623, 7443, 7448, 7454, 10095,		\marginparsep 1911, 2383, 3874, 3877, 3881, 4027, 4034, 10947, 10949, 10953, 10958, 10961, 10963, 18813, 18815
		\marginparwidth 1910, 2384, 3873, 3878,



3890, 3982, 4252, 4345, 4389, 4433, 10947, 10949, 10961, 10963, 18721, 18765, 18815	\mdf@horizontalmargin@equation 12422	3608, 3609, 3623, 3624, 3626, 3914, 4004, 4231, 4232, 4300, 4901, 4902, 4903, 4905, 4906, 4910, 4911, 4912, 4914, 4915, 13188, 13189, 13482, 13501, 13563, 15444, 15656, 15663, 15955, 16223, 16230, 16630, 16855, 16862
\markboth	\mdf@ignorevbadness 12456	\MH . 7456, 7462, 7475, 7490, 7502, 7510, 7557, 7573, 7575, 7579, 7580, 7582
120, 785, 5350, 7641	\mdf@lrbox . 12415, 12444	\MHInternalSyntaxOff 7597
\mathindent 10096, 10112	\mdf@par@local ... 12438	\MHInternalSyntaxOn 7437
\mathsurround 6363	\mdf@patchamsthm . 12416	\MidFrameCommand .. 10619, 10663, 10731
\max@poem@no	\mdfframedtitleenv 12443	\minrowclearance 1676, 1710, 6460
.. 5545, 5654, 5655	\mdfframetitleboxdepth 12460	\mintagvsep 7457
\maxdepth	\mdfframetitleboxheight 12459	\missingfigure
\maxdimen 9595, 9607, 9619, 9645, 9659, 9673, 9708, 9722, 9979, 10023, 10024, 10025, 10055, 10056, 10057, 10630, 17168, 17207, 17907, 17910, 17915, 17919, 17923, 17927, 17931, 17935, 17939, 17943, 18128	\mdfframetitleboxtotalheight 12461	..... 18086, 18116
\mbox . 10908, 11978, 16497	\mdfframetitleboxwidth 12458	\mix 12501, 12502, 12509, 12510, 12536, 12553, 12576, 12579, 12581, 12604, 12636, 12643, 12652, 12660, 12672, 12679, 12680, 12682, 12683, 12685, 12697, 12706, 12709, 12710, 12711, 12721, 12731, 12732, 12734, 12735, 12740, 12741, 12757, 12759, 12761, 12766, 12805, 12812, 12813, 12816, 12834, 12836, 12839, 12841, 12844,
\mc@col@status@write 13509, 13530	\mdseries	
\mc@gridwarn 13499	309, 7082, 7084, 7086, 7087, 7174, 7175, 7176, 7179, 7180	
\mc@lastcol@status@write 13515, 13538	\meaning 2590, 2593, 2749, 2975, 3002, 3017, 3035, 3043, 3052, 3116	
\mdf@footnotedistance@length 12472	\mediabutton	
\mdf@footnoteinput 12480	13004, 13070, 13071	
\mdf@footnoteoutput 12469	\medskip 5452	
\mdf@frametitleaboveskip@length 12464	\medskipamount ... 7963	
\mdf@frametitlealignment 12445	\mem@makecol . 9788, 9800	
\mdf@frametitlebelowskip@length 12465	\memRTLleftskip .. 13110	
\mdf@frametitlebox .. 12444, 12457, 12458, 12459, 12460, 12462, 12463	\memRTLraggedleft 13115	
\mdf@frametitlefont 12447	\memRTLraggedright 13114	
\mdf@frametitlefontcolor 12446	\memRTLrightskip . 13111	
	\memRTLvleftskip . 13112	
	\memRTLvrightskip 13113	
	\message . 1862, 1864, 10631, 10639, 10643, 10648, 10656, 10662, 10672, 10677, 10679, 10686, 10694, 10707, 10715, 10720, 10725, 10738, 10749, 10757, 10769	
	\MessageBreak .. 144, 2301, 3175, 3189, 3201, 3215, 3420, 3431, 3438, 3450, 3456, 3554, 3607,	



12851, 12859,	\mult@LTRfootnotetext	\new@poem@width 5462,
12861, 12914,	..... 151, 153,	5463, 5464, 5465,
12919, 12930,	13570, 13572, 13583	5550, 5592, 5595
12931, 12934,	\mult@rightbox	\newblock 2585, 5562,
12965, 12970,	.. 13473, 13513,	5669, 13673, 13675
12972, 12979,	13514, 13516,	\newboolean 3747, 3751,
12980, 12981,	13535, 13536, 13539	3753, 3755, 3756,
12982, 13000,	\mult@RTLfootnotetext	3768, 3841, 3851,
13005, 13016,	..... 155, 157,	3918, 3941, 4236,
13019, 13027,	13574, 13576, 13587	4857, 5116, 5143
13028, 13036,	\multfootsep . 4644, 4662	\newbox 5517, 5518
13038, 13061, 13071	\multicol@leftmargin	\newcommand .. 1982,
\mkern 17848,	..... 13483, 13492	1988, 1991, 1992,
17849, 17957, 18638	\multicols . 2273, 13551	1993, 1994, 1995,
\mobile 2460	\multicolumn 12345, 17142	1996, 1997, 2364,
\Mobilefone 2420	\multiframe 540	2450, 2455, 2456,
\mobilesymbol	\multiplefootnotemarker	2457, 2459, 2460,
... 2420, 7116, 7214	... 4643, 4659,	2461, 2463, 2464,
\modernpoem 5707	4750, 4751, 4779,	2466, 2467, 2478,
\modernpoem@obeylines	4780, 4808, 4809,	2479, 2499, 2506,
..... 5447, 5707	8096, 8098, 8099	2508, 2512, 2516,
\modernpoem@par ...	\multiply	2518, 2524, 2533,
.. 5447, 5448, 5671	1895, 1900, 2239,	2535, 2537, 2541,
\morefloats . 4134, 4231	9585, 9586, 9697,	2545, 2550, 2562,
\moreLRE 1779,	9698, 13953, 13957	2585, 2705, 2711,
1881, 14053, 18313	\myrefname 16448	2723, 2729, 2741,
\moreRLE 1781,		2744, 2746, 2753,
1883, 14054, 18314	N	2757, 2763, 2770,
\moveleft .. 4284, 13394	\n@xt 1777,	2773, 2776, 2779,
\moveright	1779, 1781, 1782,	2794, 2838, 2843,
10198, 13492, 18871	1879, 1881, 1883, 1884	2965, 2989, 3040,
\mp@footgroupv@r ..	\na ... 13956, 13958,	3049, 3126, 3140,
8143, 8175, 8205,	13960, 13969,	3152, 3242, 3243,
8354, 8496, 8645,	13971, 13996, 13997	3259, 3274, 3278,
8794, 8943, 9092,	\narrower 18567	3284, 3287, 3290,
9241, 9390, 9581	\NAT@bibitem@first@sw	3293, 3298, 3301,
\mpfootnoterule ...	..... 13679	3304, 3308, 3312,
..... 10394, 10398	\nb 13956, 13959, 13960,	3315, 3316, 3317,
\msg ... 12556, 12559,	13969, 13970,	3319, 3327, 3336,
12607, 12610,	13991, 14007, 14008	3338, 3348, 3350,
12625, 12628, 12666	\NC@find 17174	3362, 3364, 3371,
\MT 7476, 7482, 7484	\NC@rewrite@X 17173	3379, 3381, 3390,
\mult@cols 13578	\NeedsTeXFormat ...	3392, 3403, 3405,
\mult@footnotetext	.... 1717, 1888,	3406, 3410, 3414,
..... 147, 149,	1944, 2077, 2339,	3484, 3494, 3498,
13566, 13568, 13579	2587, 3739, 4309,	3503, 3537, 3575,
\mult@gfirstbox ...	4848, 4994, 5110,	3598, 3599, 3600,
13506, 13520, 13526	5137, 5286, 5310,	3632, 3633, 3634,
\mult@info 13480	5375, 7026, 7124	3635, 3646, 3743,
	\new@command . 2785, 2787	3744, 3745, 3746,



3769, 3772, 3777, 3808, 3835, 3836, 3837, 3838, 3853, 3872, 3908, 3910, 3911, 3916, 3917, 3919, 3920, 3927, 3928, 3929, 3937, 3940, 4022, 4040, 4250, 4258, 4268, 4271, 4279, 4448, 4449, 4450, 4451, 4452, 4453, 4454, 4455, 4456, 4457, 4458, 4459, 4460, 4461, 4470, 4478, 4532, 4551, 4570, 4592, 4598, 4623, 4624, 4658, 4811, 4812, 4813, 4821, 4830, 4839, 4852, 4853, 4976, 5029, 5109, 5122, 5156, 5157, 5158, 5159, 5160, 5161, 5162, 5163, 5214, 5228, 5404, 5411, 5420, 5424, 5434, 5453, 5657, 5658, 7197, 7391, 7392, 10210, 10213, 10272, 10277, 10279, 10285, 10301, 10325, 10337, 10391, 10485, 10487, 10971, 11989, 13543, 13546, 13549, 15315, 15316, 15826, 15827, 16501, 16502, 17997, 17999, 18304, 18305, 18548, 18549, 18690, 18691	5409, 5459, 8176 \newenvironment 2029, 2040, 2049, 2058, 2563, 3887, 3902, 3905, 3943, 4064, 5642, 5706, 18504, 18513, 18522, 18531 \newfloat@setwithin ... 13706, 13712, 13720, 13722 \newfloat@Error .. 13725 \newfloat@setwithin ... 13692 \newframe 539 \newif 1757, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1767, 1768, 1867, 1868, 1869, 1870, 2341, 2370, 2549, 2991, 5331, 5519, 7029, 7031, 7033, 7035, 7100, 7127, 7129, 7131, 7133, 7196, 10268, 10276, 12414, 17995, 17996 \newinsert 4137, 4138, 4139, 4140, 4141, 4142, 4143, 4144, 4145, 4146, 4147, 4148, 4149, 4150, 4151, 4152, 4153, 4154, 4155, 4156, 4157, 4158, 4159, 4160, 4161, 4162, 4163, 4164, 4165, 4166, 4167, 4168, 4169, 4170, 4186, 4187, 4188, 4189, 4190, 4191, 4192, 4193, 4194, 4195, 4196, 4197, 4198, 4199, 4200, 4201, 4202, 4203, 4204, 4205, 4206, 4207, 4208, 4209, 4210, 4211, 8095, 8168, 8174 \newlength 2468, 2469,	2470, 2472, 2473, 2474, 2476, 2477, 2560, 3869, 3870, 3871, 3925, 3942, 4721, 7181, 7183, 7185, 7187, 7189, 17710, 17712, 17713 \newline 2531, 4098 \newlinechar 1838 \newlinetospace 4095, 4115, 4116, 4117, 5351, 5352, 5353 \newlistentry 17675, 17742 \newpage ... 685, 707, 1034, 1054, 1285, 1305, 1534, 1554, 3601, 3603, 3607, 3612, 3613, 3616, 3620, 3622, 3625, 5247, 5284, 5285, 6191, 6213, 7023, 7728, 7748, 7825, 7847, 9928, 9948, 12352, 13101, 14488, 14508, 14629, 14651, 14872, 14894, 15053, 15075, 15459, 15970, 16645 \newpoem@tabcr 5670, 5679, 5680 \newsavebox .. 2028, 3886, 3921, 3922 \newskip . 2066, 2067, 2068, 2788, 9540 \newthought 5050 \newtoks 2079, 2601, 2602, 5460, 10278, 14049, 18309 \next@tpage 15389, 15421, 15431, 15434, 15502, 15900, 15932, 15942, 15945, 16013, 16575, 16607, 16617, 16620, 16688 \ninecolumnfootnotes 9228
\newcount 1891, 1892, 8176 \newcounter 4531, 5653, 10121, 10270, 17678, 17682, 17683 \newdimen 5408,		



<code>\ninecolumnfootstyle</code>	16067, 16093,	10130, 10182,
..... 9323	16094, 16123,	11431, 11441,
<code>\nl</code> 184	16124, 16126,	11449, 11450,
<code>\no@bib@break</code>	16494, 16741,	11451, 11453,
15642, 16209, 16841	16742, 16771,	11479, 11487,
<code>\noalign</code>	16772, 16774,	11488, 11489,
2286, 5573,	17309, 17326,	11491, 11520,
8186, 12352,	17333, 17473,	11521, 11522,
12353, 12354,	17476, 17504,	11524, 11551,
15784, 15809,	17505, 17527,	11552, 11553,
15811, 16351,	17528, 17544,	11555, 11582,
16376, 16378,	17545, 17561,	11583, 11584,
16983, 17008, 17010	17562, 17578,	11586, 12381,
<code>\nobibliography</code> .. 4528	17579, 17595,	12408, 12411,
<code>\nobreak</code> . 14, 16, 215,	17596, 17612,	12932, 13205,
217, 737, 755,	17613, 17630,	15639, 15640,
782, 786, 873,	17631, 17649,	16206, 16207,
874, 888, 914,	17650, 17669,	16838, 16839,
1100, 1101, 1115,	17670, 17704,	17036, 17109,
1131, 1354, 1355,	17705, 17740,	17147, 17148,
1369, 1396, 2337,	17840, 17845,	17221, 17228,
3663, 4651, 4988,	17853, 17954,	17685, 17979,
4989, 5473, 5475,	17955, 17959,	17980, 17981,
5481, 5766, 5767,	18635, 18636, 18640	17982, 17983,
5781, 5805, 5942,	<code>\nobreakspace</code> 781	17984, 17985,
5943, 5957, 5981,	<code>\node</code> 18040, 18070, 18076	17986, 17987,
6094, 6102, 6114,	<code>\noexpand</code> 613,	18229, 18244,
6243, 6259, 6289,	2101, 2102, 2116,	18272, 18278,
6294, 6302, 6511,	2117, 2145, 2148,	18291, 18497,
7610, 7623, 7638,	2151, 2295, 2597,	18498, 18599, 18836
7642, 7650, 7876,	2606, 2610, 2630,	<code>\NoHyper</code> 538
7899, 7904, 7913,	2634, 2701, 2748,	<code>\noindent</code> .. 167, 169,
7956, 7957, 9813,	2749, 2751, 2970,	675, 849, 858,
9829, 9838, 9842,	2971, 2972, 2974,	1155, 1406, 1415,
9850, 11862,	2975, 3000, 3002,	1925, 3896, 4083,
12471, 13443,	3020, 3021, 3022,	4673, 4690, 4707,
13454, 13455,	3025, 3032, 3033,	4824, 4833, 4842,
13466, 13467,	3034, 3036, 3042,	5052, 5072, 5233,
14180, 14182,	3043, 3045, 3051,	5235, 5237, 5428,
14321, 14322,	3052, 3054, 3113,	5815, 6002, 6181,
14336, 14360,	3115, 3116, 3268,	6376, 7718, 7815,
14692, 14693,	3429, 3430, 3432,	7959, 9597, 9609,
14707, 14731,	3568, 3673, 3707,	9621, 9647, 9661,
14921, 14937,	3708, 4500, 4502,	9675, 9710, 9724,
15105, 15121,	4510, 4900, 4903,	9739, 9746, 9918,
15150, 15154,	4909, 4912, 5601,	10824, 11976,
15162, 15555,	5604, 5607, 5659,	13165, 14297,
15556, 15590,	6815, 6980, 7333,	14306, 14746,
15591, 15593,	7385, 10123,	14755, 14820,
15618, 16066,	10124, 10129,	14863, 15043,



15352, 15389,	4888, 5080, 6090,	5562, 5813, 5816,
15502, 15618,	6110, 6180, 6183,	5868, 5897, 6000,
15731, 15736,	6285, 6300, 7443,	6003, 6044, 6073,
15863, 15900,	7448, 7454, 7635,	6146, 6160, 6214,
16013, 16298,	7648, 7717, 7720,	7685, 7699, 7749,
16303, 16409,	7814, 7817, 7895,	7780, 7794, 7848,
16438, 16444,	7911, 8107, 8111,	9885, 9899, 9949,
16450, 16456,	8113, 9835, 9848,	13444, 13454,
16462, 16468,	9917, 9920, 11848,	13455, 13466,
16474, 16480,	12447, 13091,	13467, 14295,
16486, 16495,	13468, 13785,	14298, 14419,
16538, 16575,	13798, 14478,	14448, 14509,
16688, 16930,	14480, 14619,	14558, 14587,
16935, 18018,	14621, 14814,	14652, 14744,
18021, 18023,	14821, 14857,	14747, 14822,
18025, 18028,	14864, 15042,	14836, 14895,
18032, 18034,	15045, 15147,	15008, 15022,
18090, 18152, 18566	15160, 17730,	15076, 15398,
\nointerlineskip ..	17735, 17736,	15420, 15431,
.... 7250, 7271,	17960, 18641, 18910	15502, 15510,
10602, 12454,	\normalfootnotes ..	15590, 15909,
13490, 18810, 18818	..... 8079, 8086	15931, 15942,
\nopagebreak	\normallineskip ...	16013, 16021,
. 5527, 5537, 12354	.... 198, 2408,	16123, 16584,
\nopagenumbers ... 2550	12434, 14249, 14263	16606, 16617,
\normalbaselines . 18407	\normalparindent 41,	16688, 16696,
\normalbaselineskip	54, 69, 250, 263, 277	16771, 17061,
.... 313, 3794,	\normalsfcodes	17067, 17089,
12435, 14250, 14264	..... 10191, 18864	17473, 17504,
\normalcolor	\normalsize 309, 3787,	17527, 17544,
... 2247, 6472,	3788, 3795, 4356,	17561, 17578,
7571, 8143, 8153,	4400, 4444, 4538,	17595, 17612,
9778, 10558,	4557, 4576, 4951,	17630, 17649,
10611, 11848,	7084, 7176, 10191,	17669, 17704,
12473, 13468,	13223, 14903,	17840, 17954, 18635
17960, 18206,	15359, 15366,	\number 8, 135,
18641, 18672,	15870, 15877,	209, 2986, 5545,
18875, 18885, 18910	16545, 16552,	5646, 7257, 7278,
\normalfont 25, 37, 50,	18732, 18776, 18863	7323, 7329, 7332,
65, 82, 246, 259,	\NOT .. 392, 519, 3983,	7375, 7381, 7384,
273, 291, 674,	3984, 4023, 4043,	7494, 7497, 13554
677, 779, 1024,	4047, 4727, 4756,	\numberline
1026, 1277, 1524,	4785, 4867, 4871	... 4076, 12031,
1526, 1924, 1927,	\null 640,	12036, 13217,
1991, 1996, 1997,	654, 708, 847,	17403, 17750,
1999, 2000, 2001,	850, 965, 994,	17968, 17971, 17974
2002, 2003, 2004,	1055, 1153, 1156,	\numberline@tempa 17970
2005, 3835, 4448,	1216, 1245, 1306,	\numberwithin 331
4538, 4557, 4576,	1404, 1407, 1465,	\numexpr 3680
4642, 4874, 4881,	1494, 1555, 4988,	\nxLcs . 2007, 2008, 2009



O		\orig@footnotetext		5747, 5758, 5774,
\obeylines	.. 5563, 5671	.. 148, 13567, 13582		5790, 5797, 5835,
\ocgbase	.. 12987, 12989	\orig@LTRfootnotetext		5841, 5869, 5919,
\ocgxii@insert@OC	.. 12921, 13030,	.. 152, 13571, 13586		5923, 5934, 5950,
	13031, 13032, 13042	\orig@RTLfootnotetext		5966, 5973, 5988,
\oddpaper	..... 1892,	.. 156, 13575, 13590		5994, 6045, 6089,
	1896, 1897, 1898,	\origin@RaggedLeft		6095, 6100, 6104,
	1901, 1902, 1903	14268, 14270, 14271		6106, 6109, 6112,
\oddsidemargin	.. 1914,	\origin@RaggedRight		6116, 6118, 6128,
	2379, 7422, 18852	14269, 14270, 14271		6133, 6147, 6236,
\on@line	..... 18498	\originalHbadness		6251, 6264, 6266,
\on@stripcols@break	..... 6899	..... 18066, 18084		6268, 6270, 6284,
		\othermargin	..... 1097	6290, 6295, 6298,
\onecolumn	.... 823,	\outer@nobreak	2265,	6303, 6526, 6536,
	839, 1087, 1338,	4350, 4394,		6549, 6559, 6572,
	2417, 5750, 5926,	4438, 18726, 18770		6582, 6595, 6605,
	6135, 14287,	\outputpenalty	....	6922, 7235, 7236,
	14541, 14998, 17438	.... 2312, 2313,		7602, 7616, 7671,
\opening	... 7944, 11850	6789, 6790, 6798,		7673, 7675, 7677,
\OptArg	..... 2008, 2074	6799, 6808, 6809,		7686, 7781, 7870,
\OptArg@i	... 2074, 2075	6953, 6954, 6962,		7894, 7900, 7905,
\OptArg@ii	.. 2074, 2076	6963, 6972, 6973		7909, 7914, 7969,
\OptArgs	..... 2073	\overfullrule	.....	7971, 7973, 7975,
\optparams	... 3963,	.. 2368, 2369, 14163		7982, 7983, 9806,
	4811, 4812, 4813,	\OVP@calc	..... 13780	9821, 9834, 9839,
	4815, 4816, 4817			9843, 9846, 9851,
\OR	..... 383, 386,	P		9854, 9856, 9858,
	401, 406, 510,	\p@	... 27, 29, 30, 31,	9860, 9886, 9987,
	513, 3957, 4023,	95, 99, 225, 229,		10357, 10359,
	4043, 4047, 4299	237, 239, 240,		10360, 10361,
\or	..... 1626,	241, 313, 445,		10362, 10363,
	1627, 1628, 1630,	641, 730, 747,		10395, 10838,
	1631, 1651, 1652,	759, 761, 763,		10845, 10884,
	1653, 1657, 1658,	765, 816, 821,		10891, 10936,
	1659, 1660, 1661,	832, 836, 865,		11846, 11864,
	1665, 1666, 1694,	881, 899, 906,		11866, 11868,
	1695, 1696, 1698,	941, 947, 966,		11870, 13143,
	1699, 1789, 1795,	1080, 1084, 1091,		13436, 13448,
	1801, 1803, 1805,	1107, 1124, 1142,		13460, 13592,
	1807, 1813, 1819,	1177, 1179, 1182,		13594, 13595,
	1825, 6443, 6444,	1184, 1217, 1331,		13596, 14280,
	6445, 6447, 6448,	1335, 1346, 1362,		14284, 14313,
	7515, 7518, 7521,	1380, 1388, 1420,		14329, 14345,
	7536, 7559, 7560,	1426, 1466, 2407,		14352, 14367,
	7561, 7562, 11275,	2408, 2412, 2413,		14373, 14420,
	11279, 17717,	3789, 3790, 3791,		14534, 14538,
	17720, 17723,	3798, 3799, 3800,		14559, 14684,
	17893, 18004,	3802, 3803, 4999,		14700, 14716,
	18011, 18233, 18282	5000, 5001, 5003,		14723, 14788,
		5004, 5070, 5743,		14794, 14823,



14915,	14929,	12155,	12158,	\pagegoal	2308,
14945,	14947,	12161,	12164,	2318,	10630,
14949,	14951,	12167,	12170,	10632,	10637,
14991,	14996,	12173,	12176,	10644,	10685,
15009,	15098,	12179,	12182,	10687,	13406, 18133
15113,	15126,	12185,	12188,	\pageinwindow	6628
15128,	15130,	12191,	12194,	\pagenumbering	2415, 5335
15132,	15146,	12197,	12200,	\pageref	2554, 2556
15151,	15155,	12203,	12206,	\pageshrink . .	10646,
15158,	15163,	12209,	12212,	10650,	10666,
15360,	15364,	12215,	12218,	10692,	10704, 18136
15367,	15371,	12221,	12224,	\pagestretch . .	10645,
15542,	15577,	12227,	12230,	10666,	10704, 18140
15677,	15680,	12233,	12236,	\pagestyle . . .	1890,
15682,	15685,	12239,	12242,	2406, 2414, 2557,	
15871,	15875,	12245,	12248,	4103, 5336, 7122	
15878,	15882,	12251,	12254,	\pagetotal . . .	10632,
16053,	16080,	12257,	12260,	10637,	10643,
16110,	16244,	12263,	12266,	13100,	13404,
16247,	16249,	12269,	12272,	13407,	13418,
16252,	16415,	12275,	12278,	18128, 18133, 18191	
16417,	16419,	12281,	12284,	\paperheight . .	2343,
16421,	16546,	12287,	12290,	2346, 2349, 2352,	
16550,	16553,	12293,	12296,	2355,	2358,
16557,	16728,	12299,	12302,	2361, 2362, 7399	
16758,	16876,	12305,	12308,	\paperwidth . .	2344,
16879,	16881,	12311,	12314,	2347, 2350, 2353,	
16884,	17436,	12317,	12320,	2356, 2359, 2362,	
17711,	17764,	12323,	12326,	2363, 7399, 7407	
17948, 18629, 18920		12329,	12332,	\par	5, 15, 45,
\p@enumiv	83, 292, 799,	13559, 17337, 17689		58, 73, 103, 104,	
933, 1195, 1444,		\PackageInfo . .	2792,	105, 106, 168, 170,	
2577, 5827, 6014,		3305,	3407,	206, 216, 233,	
6322, 7663, 7933,		3554, 3746, 17990		234, 235, 254,	
9871, 14387,		\PackageWarning	134,	267, 281, 312,	
14780, 14973,		2791, 3408, 3437,		315, 624, 643,	
15175, 15646,		5648, 7038, 7136,		649, 651, 652,	
16213, 16845, 17375		10125, 10736,		671, 714, 720,	
\p@subfigure	17120	11890, 13500,		724, 736, 755,	
\p@subtable	17121	13553, 13686, 17680		782, 785, 850,	
\PackageError . .	140,	\PackageWarningNoLine		860, 874, 887,	
402, 407, 446,		. . . . .	3604	914, 974, 984,	
2667, 2790, 3617,		\page@sofar . .	160, 13472	991, 992, 1020,	
3744, 3780, 3782,		\pagebreak		1059, 1065, 1069,	
4481, 4483, 4853,		12353, 18136, 18145		1101, 1115, 1130,	
11988, 12127,		\pagedepth	18130	1156, 1170, 1225,	
12130, 12133,		\pagefillstretch .	18142	1235, 1242, 1243,	
12136, 12139,		\pagefilstretch . .	18141	1271, 1310, 1316,	
12142, 12145,		\pagefootnoterule .		1320, 1355, 1368,	
12148, 12152,		. . . . .	10393, 10401	1396, 1407, 1417,	



1474, 1484, 1491,
1492, 1520, 1560,
1566, 1571, 1576,
1579, 1921, 2263,
2272, 3977, 3985,
4044, 4045, 4048,
4049, 4074, 4083,
4084, 4253, 4269,
4990, 5105, 5106,
5107, 5108, 5233,
5235, 5237, 5255,
5256, 5257, 5431,
5538, 5552, 5563,
5581, 5663, 5671,
5696, 5767, 5780,
5805, 5816, 5877,
5887, 5894, 5895,
5943, 5956, 5981,
6003, 6053, 6063,
6070, 6071, 6094,
6102, 6114, 6149,
6155, 6157, 6158,
6177, 6220, 6226,
6230, 6242, 6259,
6289, 6294, 6302,
6378, 6511, 6883,
7243, 7264, 7610,
7622, 7638, 7641,
7649, 7688, 7694,
7696, 7697, 7714,
7753, 7759, 7763,
7783, 7789, 7791,
7792, 7811, 7854,
7860, 7864, 7875,
7899, 7904, 7913,
7946, 7951, 7954,
7956, 7957, 7967,
8149, 8243, 8246,
8249, 8330, 8389,
8392, 8395, 8472,
8534, 8537, 8540,
8621, 8683, 8686,
8689, 8770, 8832,
8835, 8838, 8919,
8981, 8984, 8987,
9068, 9130, 9133,
9136, 9217, 9279,
9282, 9285, 9366,
9428, 9431, 9434,
9515, 9739, 9746,

9812, 9829, 9838,
9842, 9850, 9888,
9894, 9896, 9897,
9914, 9953, 9959,
9963, 10119,
10554, 11852,
11857, 11860,
11862, 11935,
12008, 12386,
12427, 12450,
12454, 13087,
13159, 13165,
13171, 13175,
13181, 13196,
13215, 13224,
13444, 13456,
13469, 13600,
13612, 13673,
13920, 14089,
14090, 14091,
14092, 14172,
14173, 14180,
14181, 14241,
14255, 14298,
14308, 14322,
14335, 14360,
14428, 14438,
14445, 14446,
14474, 14513,
14519, 14523,
14567, 14577,
14584, 14585,
14615, 14659,
14665, 14670,
14675, 14678,
14693, 14706,
14731, 14747,
14757, 14820,
14825, 14831,
14833, 14834,
14853, 14863,
14901, 14906,
14909, 14920,
14937, 15011,
15017, 15019,
15020, 15039,
15082, 15088,
15092, 15104,
15121, 15150,
15154, 15162,

15351, 15396,
15401, 15404,
15406, 15411,
15414, 15416,
15418, 15424,
15432, 15438,
15508, 15514,
15517, 15519,
15525, 15528,
15530, 15533,
15536, 15557,
15594, 15618,
15726, 15730,
15731, 15735,
15736, 15740,
15862, 15907,
15912, 15915,
15917, 15922,
15925, 15927,
15929, 15935,
15943, 15949,
16019, 16025,
16028, 16030,
16036, 16039,
16041, 16044,
16047, 16068,
16095, 16127,
16293, 16297,
16298, 16302,
16303, 16307,
16408, 16438,
16444, 16450,
16456, 16462,
16468, 16474,
16480, 16486,
16488, 16491,
16494, 16498,
16537, 16582,
16587, 16590,
16592, 16597,
16600, 16602,
16604, 16610,
16618, 16624,
16694, 16700,
16703, 16705,
16711, 16714,
16716, 16719,
16722, 16743,
16775, 16925,
16929, 16930,



16934,	16935,	13638,	13640,	17833,	17835,
16939,	17152,	13641,	13642,	17949,	18543, 18630
17741,	17747,	13643,	13645,	\parindent	12, 41, 54,
17859,	17961,	13646,	13647,	69, 99,	213, 229,
18018,	18019,	13648,	13649,	250,	263, 277,
18025,	18026,	13650,	13652,	675,	733, 750,
18028,	18036,	13653,	13654,	777,	820, 835,
18089,	18349,	13655,	13656,	871,	884, 909,
18350,	18351,	13657,	13659,	960,	977, 1083,
18352,	18505,	13660,	13661,	1098,	1110, 1127,
18514,	18523,	13662,	13663,	1164,	1211, 1228,
18532,	18603,	15792,	16359,	1274,	1334, 1352,
18642,	18899, 18920	16438,	16444,	1365,	1391, 1460,
\par@updaterelative		16450,	16456,	1477,	1925, 2410,
.....	15392,	16462,	16468,	3811,	4464, 4982,
15504,	15903,	16474,	16480,	5024,	5032, 5097,
16015,	16578, 16690	16486,	16497, 16991	5250,	5556, 5666,
\paragraph	..... 4886	\parfillskip	.... 13,	5746,	5764, 5777,
\paragraphfootnotes		214,	734, 751,	5800,	5863, 5880,
.....	9568	869,	885, 910,	5922,	5940, 5953,
\paragraphfootstyle		1095,	1111, 1128,	5976,	6039, 6056,
.....	9678	1350,	1366, 1392,	6090,	6110, 6132,
\parbox	.. 2503, 2505,	4981,	5557, 5762,	6181,	6239, 6254,
7110,	7962, 10010,	5778,	5801, 5938,	6285,	6299, 6403,
10011,	10012,	5954,	5977, 6240,	6425,	6516, 7605,
10015,	10016,	6255,	6406, 6517,	7619,	7633, 7646,
10017,	11076,	7606,	7620, 7873,	7718,	7815, 7872,
11078,	11082,	9626,	9630,	7895,	7910, 8238,
11084,	11115,	9634,	9730, 9810,	8384,	8529, 8678,
11116,	11119, 11120,	9825,	12434,	8827,	8976, 9125,
11177,	11178, 11181,	13437,	13449,	9274,	9423, 9625,
11182,	11206,	13461,	14195,	9629,	9633, 9729,
11208,	11212,	14208,	14221,	9752,	9809, 9824,
11214,	12390,	14232,	14249,	9835,	9847, 9918,
13153,	13182,	14317,	14333,	10823,	12430,
13598,	13600,	14356,	14688,	13438,	13450,
13601,	13603,	14704,	14727,	13462,	13667,
13605,	13606,	14918,	14933,	14196,	14209,
13608,	13610,	15102,	15117,	14222,	14233,
13612,	13613,	15551,	15587,	14244,	14283,
13615,	13617,	16062,	16089,	14319,	14332,
13618,	13619,	16120,	16737,	14355,	14414,
13620,	13621,	16768,	17288,	14431,	14537,
13622,	13624,	17317,	17347,	14553,	14570,
13625,	13626,	17465,	17496,	14690,	14703,
13627,	13628,	17519,	17536,	14726,	14820,
13629,	13630,	17553,	17570,	14863,	14900,
13631,	13632,	17587,	17604,	14917,	14932,
13633,	13635,	17622,	17641,	14995,	15043,
13636,	13637,	17661,	17696,	15101,	15116,



15147,	15159,	7950, 7953, 7955,	\pgf@picminx
15352,	15550,	7957, 11856,	13861, 13875, 13885
15586,	15863,	11859, 11861,	\pgf@picminy 13863, 13877
16061,	16088,	12430, 12439,	\pgf@picture 13866
16119,	16409,	13926, 14244,	\pgf@picture@serial@count
16538,	16736,	14258, 14284,	. . . . . 13857, 13858
16767,	17298,	14538, 14900,	\pgf@process
17335,	17435,	14996, 16431,	13881, 13884, 13891
17466,	17497,	17436, 17769,	\pgf@relevantforpicturesizefalse
17520,	17537,	18127, 18131, 18440	. . . . . 13880
17554,	17571,	\part 23	\pgf@relevantforpicturesizetrue
17588,	17605,	\partname 781, 7637	. . . . . 13864
17623,	17642,	\partopsep 5046, 13138,	\pgf@remember@layerlist@globally
17662,	17697,	13140, 13742, 13762	. . . . . 13898
17769,	17830,	\PassOptionsToClass	\pgf@resetpathsizes
17831,	17950,	. . . . . 5288,	. . . . . 13865
18441,	18543,	5289, 5290, 5291,	\pgf@restore@layerlist@from@global
18568, 18569, 18631		5292, 5312, 5313,	. . . . . 13902
\parsep . . 1167, 3803,		5314, 5315, 5316	\pgf@shift@baseline
3804, 5004, 5005,		\PassOptionsToPackage	. . . . . 13882
5043, 5070, 18440		. . . . . 4308, 5135	\pgf@trimleft . . . 13884
\parshape 6375,		\pdfstringdefDisableCommands	\pgf@trimleft@final
10758, 10766,		. . . . . 11806	13886, 13887, 13889
11977, 13748,		\penalty 969,	\pgf@trimright . . . 13891
13768, 13926,		1220, 1469, 2305,	\pgf@trimright@final
14089, 14091,		2309, 5477, 5806,	13893, 13894, 13896
14819, 14862,		5872, 5982, 6048,	\pgf@x 13885,
15339, 15348,		6260, 6363, 6369,	13889, 13892, 13896
15850, 15859,		6787, 6796, 6806,	\pgf@y 13882
16399, 16406,		6951, 6960, 6970,	\pgfpic 13912
16525, 16534,		9539, 9627, 9631,	\pgfpicture 13853
18349, 18351,		9635, 9732, 9830,	\pgfpictureid
18470, 18507,		10667, 14361,	. . . . . 13858, 13869
18509, 18510,		14423, 14562,	\pgfpicturetrue . 13856
18511, 18516,		14732, 14938,	\pgfsys@discardpath
18518, 18519,		15122, 15560,	. . . . . 13905
18520, 18525,		15566, 15597,	\pgfsys@endpicture 13908
18527, 18528,		16071, 16073,	\pgfsys@endscope . 13907
18529, 18534,		16098, 16100,	\pgfsys@markposition
18536, 18537, 18538		16130, 16132,	. . . . . 13869
\parskip 99,		16746, 16748,	\pgfsys@typesetpicturebox
177, 229, 821,		16778, 16780,	. . . . . 13912
836, 1084, 1335,		17757, 17865, 18132	\pgfutil@gobble . 13859
1918, 2411, 3812,		\pgf@baseline 13881	\pgfutil@ifnextchar
4465, 5025, 5033,		\pgf@insertlayers 13903	. . . . . 13866
5096, 5251, 5555,		\pgf@nodecallback 13859	\phantom . . . 12678, 13495
5587, 5665, 5700,		\pgf@oldpicture . 13866	\phantomsection . . 2501
5747, 5923, 6133,		\pgf@picmaxx . . 13860,	\phone 2461
6789, 6798, 6808,		13872, 13874, 13892	\phonesymbol
6953, 6962, 6972,		\pgf@picmaxy 13862, 13876	. . . 2421, 7117, 7215



<code>\photo</code>	2466	<code>\poem@write@aux</code> . . .	12036, 12374,
<code>\picbox</code>	14031	.. 5595, 5646, 5658	13217, 17142,
<code>\picinwindow</code>	6648	<code>\poemblocksep</code>	17143, 17147,
<code>\picwd</code>	13919,	.. 5458, 5562, 5669	17155, 17403,
	13922, 14030, 14032	<code>\poemcolsepskip</code> . . .	17747, 18298, 18836
<code>\plainauthor</code> . . . . .		.. 5449, 5478	<code>\protected</code> . . . 1880,
	4115, 5155, 5157,	<code>\poemextrabaselineskip</code>	1882, 2790, 2791,
	5196, 5197, 5200	.. 5451, 5539, 5574	2792, 2795, 2803,
<code>\plainfootnotes</code> . .	8086	<code>\poemmarginsskip</code> . . .	2805, 2811, 2997,
<code>\plainpublisher</code> . . .		.. 5450, 5472, 5473	3013, 3029, 3052,
	.. 5158, 5223, 5224	<code>\poemskip</code> 5452, 5552, 5583	3054, 3104, 3132,
<code>\plaintitle</code>		<code>\postbibhook</code> 13230	3145, 14055,
	4116, 4117, 5155,	<code>\postdisplaypenalty</code>	14064, 14073,
	5156, 5179, 5180,	.. 10093, 10107	14081, 18315,
	5183, 5351, 5353	<code>\postmath</code> 6369	18324, 18333, 18341
<code>\plitemsep</code>	5044	<code>\PotEndMark</code>	<code>\protected@edef</code> . 42,
<code>\plparsep</code>	5043	.. 7446, 7451, 7454	55, 70, 251,
<code>\plpartopsep</code>	5046	<code>\predisplaydirection</code>	264, 278, 4674,
<code>\pLRE</code> 1778, 1779, 1880, 1881		.. 14124,	4691, 4708, 7994,
<code>\pltopsep</code>	5045	14125, 18907, 18908	8010, 8026, 8039,
<code>\poem@finish</code>		<code>\predisplaypenalty</code>	8052, 8065, 8210,
	.. 5596, 5645, 5652	.. 10092, 10106	8220, 8230, 8256,
<code>\poem@line</code>		<code>\premath</code> 6365	8269, 8281, 8308,
	.. 5515, 5521, 5572	<code>\preparefootins</code> . . .	8321, 8359, 8368,
<code>\poem@linebegin</code> . . .		.. 10779, 10799	8377, 8402, 8414,
	.. 5472, 5530	<code>\prepnext@tok</code>	8425, 8451, 8463,
<code>\poem@lineend</code> 5473, 5536		1623, 1633, 1681,	8501, 8511, 8521,
<code>\poem@lineparsebegin</code>		1713, 6435, 6463	8547, 8560, 8572,
.. 5484, 5541, 5568		<code>\presetkeys</code> 18118	8599, 8612, 8650,
<code>\poem@lineparseend</code>		<code>\presig@skip</code> 16497	8660, 8670, 8696,
.. 5510, 5522, 5579		<code>\prevdepth</code>	8709, 8721, 8748,
<code>\poem@lineversesep</code>		3977, 3985, 7313,	8761, 8799, 8809,
.. 5474, 5533		7367, 13143, 13497	8819, 8845, 8858,
<code>\poem@needrun</code> . 5466,		<code>\pRLE</code> 1780, 1781, 1882, 1883	8870, 8897, 8910,
5593, 5647, 5649		<code>\process@cols</code> . 13473,	8948, 8958, 8968,
<code>\poem@obeylines</code> 5567,		13506, 13520, 13526	8994, 9007, 9019,
5643, 5683, 5707		<code>\ProcessOptions</code> . . .	9046, 9059, 9097,
<code>\poem@prop</code> . . 5548, 5657		2373, 3770, 4861,	9107, 9117, 9143,
<code>\poem@startedfalse</code>		5120, 5152, 5293,	9156, 9168, 9195,
.. 5565, 5681, 5687		5317, 7040, 7138	9208, 9246, 9256,
<code>\poem@startedtrue</code> .		<code>\ProcessOptionsX</code> . 1829	9266, 9292, 9305,
.. 5523, 5524,		<code>\protect</code> 403, 620, 1778,	9317, 9344, 9357,
5564, 5673, 5675,		1779, 1780, 1781,	9395, 9405, 9415,
5680, 5688, 5690		1837, 1880, 1881,	9441, 9454, 9466,
<code>\poem@verse</code>		1882, 1883, 2083,	9493, 9506, 9593,
.. 5461, 5531, 5534		2089, 2095, 2101,	9605, 9617, 9643,
<code>\poem@width</code> . . 5464,		2110, 2116, 2847,	9657, 9671, 9706,
5465, 5469, 5546,		2848, 3659, 4076,	9720, 10444,
5548, 5551, 5592		10182, 10568,	10460, 10475,
		10582, 12031,	10502, 10515, 10528



897, 949, 956,
957, 958, 962,
971, 980, 997,
998, 1003, 1004,
1005, 1006, 1009,
1012, 1016, 1041,
1042, 1043, 1048,
1049, 1050, 1051,
1084, 1100, 1122,
1140, 1149, 1183,
1207, 1208, 1209,
1213, 1222, 1231,
1248, 1249, 1254,
1255, 1256, 1257,
1260, 1263, 1267,
1292, 1293, 1294,
1299, 1300, 1301,
1302, 1335, 1342,
1354, 1360, 1378,
1428, 1456, 1457,
1458, 1462, 1471,
1480, 1497, 1498,
1503, 1504, 1505,
1506, 1509, 1512,
1516, 1541, 1542,
1543, 1548, 1549,
1550, 1551, 1638,
1639, 1656, 1657,
1658, 1787, 1793,
1799, 1811, 1817,
1823, 1837, 1932,
1933, 1934, 1939,
1940, 1941, 1942,
2167, 2175, 2183,
2234, 2373, 2589,
2713, 2731, 2785,
2802, 2986, 2990,
3224, 3248, 3263,
3280, 3295, 3311,
3328, 3340, 3372,
3383, 3462, 3670,
3671, 3680, 3708,
3774, 4275, 4472,
4592, 4655, 4659,
4663, 4740, 4751,
4769, 4780, 4798,
4809, 4867, 5064,
5072, 5077, 5108,
5293, 5317, 5413,
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5593, 5621, 5628,
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5900, 5901, 5906,
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6133, 6140, 6141,
6142, 6163, 6164,
6165, 6166, 6171,
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6198, 6199, 6200,
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6208, 6209, 6210,
6234, 6375, 6397,
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6409, 6410, 6415,
6416, 6419, 6420,
6503, 6521, 7040,
7138, 7230, 7231,
7232, 7233, 7234,
7246, 7267, 7321,
7333, 7336, 7373,
7385, 7388, 7420,
7426, 7487, 7566,
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7708, 7709, 7710,
7711, 7735, 7736,
7737, 7742, 7743,
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7841, 7842, 7843,
7844, 7868, 7977,
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8530, 8592, 8638,
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8828, 8890, 8936,
8977, 9039, 9085,
9126, 9188, 9234,
9275, 9337, 9383,
9424, 9486, 9542,
9574, 9693, 9804,
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9902, 9903, 9908,
9909, 9910, 9911,
9935, 9936, 9937,
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11298, 11309,
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11582, 11601,
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11748, 11777,
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12460, 12466,
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13435, 13437,



13438,	13441,	14841,	14842,	16156,	16164,
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17803, 17808,
 17813, 17821,
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 17835, 17846,
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 18438, 18479,
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 18631, 18634,
 18914, 18915, 18916
 \remainx 13600
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 \remainxxx
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 13612, 13637, 13640
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 13621, 13647,
 13649, 13652,
 13656, 13659, 13661
 \remainxxxxx
 .. 13624, 13626,
 13628, 13630, 13632
 \remove@strip . 13238,
 13268, 13320, 13350
 \renewcommand ... 19,
 20, 21, 22, 83,
 164, 171, 186, 220,
 221, 222, 223,
 292, 331, 355,
 632, 671, 673,
 727, 744, 758,
 762, 766, 767,
 768, 769, 800,
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 896, 904, 917,
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963, 1020, 1022,
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 1339, 1343, 1359,
 1377, 1386, 1399,
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 1431, 1432, 1433,
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 1463, 1520, 1522,
 1921, 1923, 2365,
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 2462, 2493, 2498,
 2578, 3222, 3246,
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 3787, 3796, 3837,
 3955, 3958, 3959,
 3963, 3964, 4110,
 4111, 4453, 4454,
 4455, 4456, 4522,
 4637, 4646, 4667,
 4684, 4701, 4815,
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 4908, 4960, 4968,
 4992, 4997, 5008,
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 5012, 5013, 5014,
 5080, 5085, 5087,
 5088, 5105, 5106,
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 5166, 5167, 5169,
 5173, 5174, 5175,
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 6278, 6279, 6280,
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 6323, 6414, 6418,
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 7041, 7081, 7082,
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 7102, 7107, 7139,
 7173, 7174, 7175,
 7176, 7177, 7178,
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 7891, 7892, 7916,
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 8002, 8018, 8034,
 8047, 8060, 9803,
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 10118, 10127,
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 10242, 10243,



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13136,	13137,	15129,	15133,	16796,	16799,
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14544,	14556,	16007,	16050,	18920,	18957,



18959, 18960,	3884, 3885, 4102,	8254, 8266, 8279,
18961, 19011,	4312, 4313, 4314,	8306, 8319, 8357,
19013, 19015,	4315, 4519, 4520,	8366, 8375, 8400,
19017, 19021,	4635, 4851, 5026,	8411, 8423, 8449,
19023, 19027, 19029	5037, 5089, 5115,	8461, 8499, 8509,
\RenewDocumentCommand	5123, 5140, 5295,	8519, 8545, 8557,
..... 12671, 13004	5296, 5297, 5298,	8570, 8597, 8610,
\renewenvironment 80,	5299, 5300,	8648, 8658, 8668,
289, 499, 789,	5319, 5320, 5321,	8694, 8706, 8719,
809, 825, 845,	5322, 5323, 5324,	8746, 8759, 8797,
852, 923, 1073,	18951, 18952,	8807, 8817, 8843,
1151, 1158, 1185,	18953, 18954, 19003	8855, 8868, 8895,
1324, 1402, 1409,	\RequireXeTeX 1749, 1866	8908, 8946, 8956,
1434, 4052, 4055,	\reserved@a ... 2213,	8966, 8992, 9004,
4058, 4061, 5056,	2217, 2223, 2226,	9017, 9044, 9057,
5066, 5074, 5090,	2229, 2232,	9095, 9105, 9115,
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5817, 5912, 5998,	2835, 2836, 3427,	9193, 9206, 9244,
6004, 6121, 6312,	3435, 3445, 3447,	9254, 9264, 9290,
6373, 6388, 6520,	3454, 3456, 3461,	9302, 9315, 9342,
7653, 7923, 9861,	3463, 3464, 3467,	9355, 9393, 9403,
10105, 10614,	3470, 3506, 3507,	9413, 9439, 9451,
13227, 13665,	3508, 3510, 3517,	9464, 9491, 9504,
13771, 14273,	3520, 3545, 3546,	9591, 9603, 9615,
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14742, 14749,	3661, 17865,	10439, 10455,
14770, 14963,	17866, 18493, 18499	10470, 10499,
14984, 15165,	\reserved@b ... 2193,	10512, 10525,
15612, 16179,	2194, 2653, 2657,	18731, 18775, 18862
16811, 17364,	2658, 3417, 3418,	\resizebox 10899
17367, 17392, 18409	3446, 3504, 3506,	\restore@protect . 2849
\renewrobustcmd ...	3523, 3540, 3541,	\restoreCaptionSkip
12443, 12469, 12480	3546, 3551, 3553,	..... 11060
\repeat 469, 6634, 6751,	3554, 3556,	\restorecounters@ 7498
6757, 6865, 6923,	3559, 3579, 3581	\restylefloat 4302
6933, 9554, 9564,	\reserved@c 3519, 3522,	\resumename 2455
11945, 13944,	3523, 3527, 3538,	\rightskip 17745
13991, 14002,	3551, 3565, 3569	\right 18395, 18404, 18408
14013, 14041, 17179	\reserved@d 2652, 2657,	\right@cor ... 13240,
\RequirePackage 1748,	3539, 3558, 3571	13241, 13322, 13323
1750, 1751, 1752,	\reset@dir . 14108, 18368	\right@footnoterule
1753, 1754, 1946,	\reset@font ... 4355,	..... 26,
1947, 2375, 2376,	4399, 4443, 4671,	236, 634, 762,
2377, 2378, 2385,	4688, 4705, 7990,	946, 956, 1181,
2386, 2401, 2454,	8006, 8022,	1207, 1425, 1456,
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3742, 3814, 3816,		7674, 7681, 7774,
3823, 3844, 3848,		7972, 9857, 9881,



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10380,	10496,	13110,	13111,	17586,	17587,
10522,	11867,	13437,	13441,	17595,	17602,
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14793,	14806,	13466,	14192,	17621,	17622,
14948,	15002,	14194,	14205,	17630,	17639,
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16248,	16418,	14291,	14304,	17669,	17694,
16551, 16565, 16880		14315,	14316,	17695,	17696,
\rightfootnoterule		14321,	14332,	17704,	17744,
1804, 7231, 7978,		14355,	14358,	17746,	17769,
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\rightline . . . 14128,		14687,	14692,	17833,	17839,
18556, 18560, 18562		14703,	14726,	17842,	17889,
\rightmargin . . . 1166,		14729,	14730,	17949,	17954,
5042, 5061, 5069,		14740,	14753,	17977,	17984,
5075,	10751,	14801,	14917,	18541,	18568,
10755,	11961,	14932,	14935,	18569, 18630, 18635	
11962,	11975,	14936,	14941,	\RL . . 11810, 14098, 18358	
14181,	18431,	14942,	15101,	\rlap . 308, 674, 1023,	
18442,	18448,	15116,	15119,	1523, 1924, 6180,	
18454, 18462, 18466		15120,	15550,	7717, 7814, 9917,	
\rightskip 12, 13, 213,		15553,	15554,	10010,	10015,
214, 307, 311, 733,		15586,	15590,	10603,	10837,
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843,	856,	16065,	16088,	10950,	10963,
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4987, 4988, 5558,		17348,	17352,	\RLE 1780, 1882, 11809,	
5754, 5760, 5761,		17353,	17463,	14098,	14099,
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5953, 5976, 5979,		17504,	17517,	1203, 1452, 4870,	
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6393, 6395, 6509,		17535,	17536,	4944, 4947, 4951,	
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10219, 10220,	\RTLfootnote ... 639,	\rtside 13974,
10221, 10222,	713, 2082, 2095,	13976, 13987,
10224, 10225,	4817, 5167, 6145,	13989, 14010, 14012
10226, 10227,	6219, 7779, 7853,	\rule . 45, 58, 73, 254,
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\rot@float@box 15193,	14899, 15007,	7594, 7998, 8014,
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15238, 15239,	\RTLfootnotetext ..	10506, 10519,
15240, 15256, 15267	2151, 2162, 5607,	10532, 12678, 14165
\rot@label . 15189, 15232	5617, 10582,	
\rot@LR ... 15200, 15245	10585, 11479,	S
\rot@mess@toks 15192,	12411, 17228, 17232	\s 12530, 12531
15204, 15214,	\RTLfoottextfont ..	\save@dir .. 14107, 18367
15223, 15235,	... 8007, 8014,	\savebox 7512,
15250, 15262, 15272	8064, 8070, 8129,	10989, 10991, 11071
\rot@message 15223, 15272	8228, 8249, 8279,	\saveCaptionSkip . 11021
\rot@pageref 15190, 15233	8375, 8395, 8423,	\savecounters@ ... 7495
\rotate 15286	8519, 8540, 8570,	\saved@@dir .. 14107,
\rotatebox ... 10262,	8668, 8689, 8719,	14108, 18367, 18368
10992, 11041,	8817, 8838, 8868,	\sbox ... 7578, 11023,
11254, 15209,	8966, 8987, 9017,	11040, 11906,
15218, 15256, 15267	9115, 9136, 9166,	11914, 11916,
\rotateframe 10224, 10261	9264, 9285, 9315,	11918, 11927,
\rotFPbot 15210,	9413, 9434, 9464,	12002, 12391,
15217, 15257, 15266	9615, 9635, 9669	12500, 12508,
\rotFPtop 15208,	\RTLMarginnote ... 4839	12696, 12982,
15219, 15255, 15268	\RTLMarginpar 18736	13022, 13147,
\rrb 1995, 2005	\RTLMulticolcolumns	13162, 13194,
\rsb 1994, 2003	..... 13543	13772, 15702,
\RTL 14091, 18351	\RTLsidenote . 4574, 4813	15716, 15756,
\RTL@column@boxes .	\RTLthanks 639, 659,	16269, 16283,
13519, 13545, 13550	694, 713, 5167,	16323, 16901,
\RTL@outputdblcol .	5175, 5192, 5208,	16915, 16955,
... 6657, 10019,	5219, 6145, 6165,	17302, 17319, 18897
10794, 13232,	6200, 6219, 7779,	\sc@@temp 16437,
18644, 18689, 18690	7799, 7834, 7853,	16438, 16443,
\RTLbidiuftesidenotemarginpar	10580, 13080,	16444, 16449,
.. 4404, 4702, 4842	14552, 14592,	16450, 16455,
\RTLcases ... 18407, 18410	14638, 14658,	16456, 16461,
\RTLcite 4631,	14811, 14841,	16462, 16467,
4748, 4777, 4806,	14881, 14899,	16468, 16473,
4828, 4837, 4846	15007, 15027,	16474, 16479,
\RTLcolumnfootnotes	15062, 15081,	16480, 16485, 16486
..... 8087	15384, 15469,	\SC@FLOAT 17025, 19011,
\RTLdblcol 18690	15500, 15895,	19015, 19021,
\RTLdfnmakecol ... 7391	15980, 16011,	19023, 19027, 19029
	16570, 16655, 16686	



\SC@justify@caption	\scr@smashdp .. 15724,	\sectionstyle 2447, 2505
.. 17028, 19013,	15738, 15739,	\sectiontitlecolour
19017, 19022,	15757, 16291,	..... 2430,
19024, 19028, 19030	16305, 16306,	7048, 7056, 7063,
\sc@temp	16324, 16923,	7070, 7077, 7147,
16437, 16441,	16937, 16938, 16956	7153, 7159, 7165, 7171
16443, 16447,	\scr@tmp@footnotetext	\selectfont
16449, 16453,	.. 15696, 15707,	342, 5233, 5235,
16455, 16459,	15708, 16263,	5237, 13785, 13798
16461, 16465,	16274, 16275,	\separatorcolumnwidth
16467, 16471,	16895, 16906, 16907	..... 2470,
16473, 16477,	\scr@tmp@LTRfootnotetext	2471, 2482, 2488,
16479, 16483,	.. 15698, 15709,	2504, 2509, 2515,
16485, 16495, 16497	15710, 16265,	2572, 7193, 7223
\sc@wm@text	16276, 16277,	\SepMark ... 18419, 18420
7396	16897, 16908, 16909	\seq
\scalebox	\scr@tmp@RTLfootnotetext	12759, 12760
10897	.. 15700, 15711,	\set@color ... 6467,
\scantokens . 2985, 3005	15712, 16267,	6472, 6480,
\scr@caption	16278, 16279,	6486, 6494, 6501,
.. 15808, 15810,	16899, 16910, 16911	6506, 10610,
15812, 16375,	\scriptsize .. 5008,	18202, 18206, 18302
16377, 16379,	16436, 16442,	\set@typeset@protect
17007, 17009, 17011	16448, 16454,	..... 10186,
\scr@caption@before@longtable@warning	16460, 16466,	10190, 17114,
15780, 16347, 16979	16472, 16478, 16484	18605, 18842, 18844
\scr@compatibility	\scshape	\setboolean ... 384,
.. 15558, 15596,	6093	387, 390, 393,
16069, 16096,	\secshape .. 14900, 14941	511, 514, 517, 520,
16128, 16140,	\SectFont	3748, 3749, 3750,
16156, 16164,	. 848, 857, 1154,	3752, 3754, 3759,
16172, 16744, 16776	1162, 1405, 1414,	3760, 3764, 3765,
\scr@LT@array . 11819,	5814, 6001, 14296,	3845, 3849, 3852,
15805, 15806,	14305, 14745, 14754	3857, 3859, 3863,
15818, 16372,	\sectfont	3865, 4237, 4858,
16373, 16385,	14175	4859, 4860, 5117,
17004, 17005, 17017	\section	5118, 5119, 5144, 5145
\scr@samed@footnotetext	790,	\setbox
..... 15317,	817, 833, 848,	607,
15321, 15828,	854, 857, 924,	1629, 1631, 1632,
15832, 16503, 16507	1081, 1154, 1160,	1688, 2245, 2316,
\scr@samed@LTRfootnotetext	1162, 1186, 1332,	2321, 2324, 2333,
.. 15315, 15318,	1405, 1411, 1414,	4283, 4339, 4342,
15325, 15826,	1435, 2499, 2565,	4383, 4386, 4427,
15829, 15836,	4872, 4894, 4962,	4430, 5486, 5497,
16501, 16504, 16511	4970, 5085, 5088,	5710, 5724, 6347,
\scr@samed@RTLfootnotetext	5092, 5814, 6001,	6374, 6379, 6438,
.. 15316, 15319,	7654, 14296,	6467, 6622, 6623,
15329, 15827,	14302, 14305,	6627, 6630, 6640,
15830, 15840,	14745, 14751, 14754	6644, 6647, 6651,
16502, 16505, 16515	\sectionbib	6659, 6662, 6672,
	17387	6684, 6695, 6698,
	\sectionfont .. 2439,	
	2447, 7086, 7179	



6711, 6727, 6747,	10801,	10829,	18762, 18790,
6748, 6753, 6754,	10836,	10837,	18804, 18822, 18872
6759, 6762, 6785,	10882,	10883,	\setcaptionfont ... 3837
6793, 6803, 6854,	12370,	12379,	\setchapterpreamble
6868, 6872, 6882,	12419,	12451,	..... 16184, 16816
6887, 6896, 6898,	12457,	13235,	\setcitationfont . 4455
6913, 6914, 6925,	13246,	13251,	\setcounter ... 656,
6926, 6938, 6939,	13261,	13279,	691, 964, 996,
6949, 6957, 6967,	13284,	13317,	1040, 1215, 1247,
7015, 7239, 7247,	13328,	13333,	1291, 1464, 1496,
7248, 7252, 7260,	13343,	13361,	1540, 1931, 4539,
7268, 7269, 7273,	13366,	13394,	4558, 4577, 4609,
7288, 7291, 7296,	13475,	13491,	4856, 5368,
7300, 7308, 7345,	13918,	13932,	5653, 5867, 5899,
7348, 7353, 7357,	13935,	13954,	6043, 6075, 6162,
7362, 8035, 8048,	13955,	13961,	6197, 7701, 7734,
8061, 8121, 8178,	13962,	13973,	7796, 7831, 9901,
8183, 8190, 8251,	13975,	13977,	9934, 10206,
8263, 8276, 8316,	13979,	13982,	11873, 11874,
8397, 8408, 8420,	13984,	13986,	13108, 13737,
8458, 8542, 8554,	13988,	13998,	13758, 14418,
8567, 8607, 8691,	14000,	14009,	14450, 14494,
8703, 8716, 8756,	14011,	14026,	14557, 14589,
8840, 8852, 8865,	14028,	14036,	14635, 14838,
8905, 8989, 9001,	14038,	14047,	14878, 15024,
9014, 9054, 9138,	14113,	14114,	15059, 15375,
9150, 9163, 9203,	14144,	14162,	15466, 15640,
9287, 9299, 9312,	15278,	15288,	15713, 15714,
9352, 9436, 9448,	15299,	15306,	15886, 15977,
9461, 9501, 9527,	15722,	16289,	16207, 16280,
9528, 9535, 9548,	16436,	16442,	16281, 16561,
9551, 9553, 9558,	16448,	16454,	16652, 16839,
9561, 9563, 9565,	16460,	16466,	16912, 16913, 17687
9595, 9607, 9619,	16472,	16478,	\setdefaultbibitems
9637, 9645, 9651,	16484,	16921,	..... 18424
9659, 9665, 9673,	17054,	17103,	\setdefaultmarginpar
9708, 9715, 9722,	17145,	17195,	..... 18826
9737, 9744, 9763,	17265,	17907,	\setDefaults 10978
9771, 9784, 9791,	17910,	17915,	\setfloatalignment 3917
9996, 10022,	17919,	17923,	\setfootnoteLR ... 10435
10025, 10038,	17927,	17931,	\setfootnoteRL ... 10433
10054, 10057,	17935,	17939,	\setkeys
10071, 10118,	17943,	18194,	382, 509, 6338,
10158, 10163,	18202,	18307,	6355, 7476, 7482,
10497, 10510,	18377,	18378,	7484, 10872,
10523, 10541,	18495,	18565,	10980, 11912,
10665, 10674,	18593,	18646,	13778, 13811,
10678, 10702,	18648,	18664,	15197, 15242, 18087
10716, 10776,	18667,	18715,	\setlength ... 174,
10781, 10796,	18718,	18759,	197, 198, 731, 748,



883, 907, 1108,	11965,	12404,	\setRTLparagraphfootnotes
1126, 1163, 1164,	13777,	14331,	..... 7984
1165, 1166, 1167,	14353,	14702,	\setsidenotefont . 4453
1364, 1389, 2069,	14724,	14930,	\setSingleSpace ...
2070, 2071, 2343,	15099,	15114,	..... 8089, 8094
2344, 2346, 2347,	15334,	15543,	\setspace@singlespace
2349, 2350, 2352,	15546,	15578,	.. 4670, 4687, 4704
2353, 2355, 2356,	15581,	15719,	\setthesection ... 13125
2358, 2359, 2361,	15745,	15845,	\settodepth 13773
2362, 2363, 2368,	16054,	16057,	\settoheight 7455, 13774
2369, 2407, 2408,	16081,	16084,	\settowidth 85,
2410, 2411, 2412,	16111,	16114,	294, 794, 928,
2413, 2471, 2480,	16286,	16312,	1190, 1439, 2475,
2481, 2484, 2486,	16520,	16729,	5822, 6009,
2489, 2490, 2492,	16732,	16759,	6317, 7184, 7500,
2495, 2561, 2570,	16762,	16918,	7658, 7928, 9866,
2571, 2572, 3773,	16944,	17291,	11953, 13776,
3809, 3810, 3811,	17292,	17340,	14382, 14775,
3812, 3833, 3839,	17341,	17343,	14968, 15170,
3840, 3873, 3876,	17711,	17715,	15633, 16200,
3880, 3926, 3972,	17716,	17718,	16435, 16441,
3973, 4462, 4463,	17719,	17721,	16447, 16453,
4464, 4465, 4471,	17722,	17724,	16459, 16465,
4722, 5015, 5016,	17725,	17727,	16471, 16477,
5017, 5018, 5019,	17728, 18477, 18480		16483, 16832,
5020, 5021, 5022,	\setLR 14120, 18386		17370, 17872, 17874
5024, 5025, 5027,	\setLTR . 14094, 14095,		\Setversedim
5030, 5031, 5032,	14108, 14120,		.. 5381, 5385, 5411
5033, 5250, 5251,	14121, 18029,		\SetWatermarkText 7395
5776, 5798, 5952,	18354, 18355,		\sevendcolumnfootnotes
5974, 6237, 6252,	18368, 18386, 18387		..... 8930
6514, 7182, 7186,	\setLTRbibitems .. 18423		\sevendcolumnfootstyle
7188, 7191, 7458,	\setLTRcitationfont		..... 9025
7603, 7618, 8117,	..... 4456		\sf 16436, 16442,
8118, 8131, 9808,	\setLTRmarginpar 18825		16448, 16454,
9822, 10539,	\setLTRparagraphfootnotes		16460, 16466,
10922, 10923,	..... 7985		16472, 16478, 16484
10929, 10930,	\setmarginnotefont 4454		\sfcode . 89, 298, 805,
10932, 10933,	\setparsizes .. 15392,		936, 1198, 1447,
10982, 10983,	15504, 15903,		5830, 6017, 6328,
10995, 10999,	16015, 16578, 16690		7666, 7939, 9874,
11001, 11003,	\setRL 14119, 18385		13678, 14390,
11007, 11009,	\setRTL 14093,		14783, 14979,
11879, 11880,	14096, 14108,		15181, 15650,
11881, 11882,	14119, 18069,		16217, 16849, 17381
11907, 11921,	18103, 18353,		\sh@wgridXunit ... 14133
11923, 11925,	18356, 18368, 18385		\sh@wgridYunit ... 14133
11929, 11951,	\setRTLbibitems .. 18422		\shadowbox 7572
11956, 11959,	\setRTLmain 1872		\shadowsize .. 7582,
11963, 11964,	\setRTLmarginpar . 18824		7586, 7587,



7590, 7591, 7594	\small . 633, 857, 955,	\SOUL@uloverlap .. 17056
\shipout ... 10186, 18841	1162, 1206, 1414,	\SOUL@ulunderline 17053
\shortauthors 111, 112, 117	1455, 1956, 2441,	\SOUL@word 17045
\shortcite 13680	2531, 2536, 2566,	\soulomit 17036
\shorttitle . 110, 111, 117	4997, 4998, 5063,	\space 403,
\showbox 10739	5071, 5076, 5095,	443, 1720, 2971,
\showgridps 14132	5858, 6034, 6139,	3114, 3420, 3607,
\showoutput 10739	7680, 7773, 9880,	3609, 3620, 3622,
\sidecaptionsep ...	14305, 14409,	3625, 4092, 4097,
..... 17026,	14546, 14754,	4098, 4231, 4232,
17027, 19012,	14805, 15001,	6093, 6288, 6750,
19016, 19021,	15378, 15889, 16564	6756, 6919, 6927,
19023, 19027, 19029	\smallcaps 5351, 5352, 5353	6928, 7898, 9837,
\sidecontents 9785	..... 10639, 10647,	
\sideins 8095, 9783	\smallskip 10648, 10672,	
\sidenote 4536, 4590,	.. 13600, 13605,	10680, 11891,
4628, 4720, 4811	13612, 13621,	12804, 13481,
\sidenotes 4633	13632, 13637,	13483, 13484,
\sideways 15304	13642, 13649,	13485, 13486,
\sigindent 16496	13656, 13663, 14172	14140, 15149,
\sixcolumnfootnotes 8781	\smash 4028,	15191, 15234,
\sixcolumnfootstyle	4033, 4044, 4045,	15443, 15655,
..... 8876	4048, 4049, 4256,	15954, 16222,
\sist@cn 2212, 2234	7242, 7263,	16629, 16854,
\size@chapter 14175	10603, 11978,	17215, 17217,
\skip 5574, 5575, 7293,	14117, 18381, 18383	17274, 17991, 18795
7350, 8142, 8152,	\SOUL@apo 17048	\spacefactor .. 4649,
8169, 9753, 9776,	\SOUL@comma 17047	4654, 4660, 4663
10557, 10778, 10798	\SOUL@do 17050	\spaceskip . 17081, 17086
\skip@ 313, 314	\SOUL@eventuallyexhyphen	\special 1920,
\skipalgocfslide 182, 190	..... 17037	14114, 17271,
\skiptotal 198	\SOUL@grave 17049	17272, 17276,
\sloppy ... 41, 54, 69,	\SOUL@ignorespacesfalse	17277, 17279, 18378
88, 250, 263, 277,	..... 17041	\spinemargin . 7405, 7409
297, 801, 935,	\SOUL@lasttoken .. 17044	\split@prev 10392, 10400, 10405
1197, 1446, 2579,	\SOUL@lowerthan .. 17034	\splitbotmark 10676
5829, 6016, 6324,	\SOUL@minus 17046	\splitfirstmark ... 10028, 10060, 10675
7665, 7935, 9873,	\SOUL@postamble .. 17051	\SplitFootnoteRule
10771, 12436,	\SOUL@preamble ... 17043	..... 1806, 10391
13677, 14251,	\SOUL@soeventuallyskip	\splitfootnoterule
14265, 14389,	..... 17038	..... 10395, 10403
14782, 14975,	\SOUL@spaceskip .. 17039	\splitmaxdepth .. 39,
15177, 15649,	\SOUL@start 17032	52, 67, 248,
16216, 16848, 17377	\SOUL@ulcolor . 17063,	261, 275, 8136,
\slshape .. 874, 1101,	17069, 17075, 17083	10023, 10055,
1355, 2527, 5767,	\SOUL@uldp 17075	10442, 10458, 10473
5943, 7084, 7085,	\SOUL@uleveryspace 17077	\splittopskip ... 39,
7175, 7176, 7178,	\SOUL@ulht 17075	52, 67, 248, 261,
14322, 14693, 14906	\SOUL@ulleaders ... 17063, 17069, 17085	



275, 8135, 8180, 8184, 8334, 8335, 8339, 8340, 8476, 8477, 8481, 8482, 8625, 8626, 8630, 8631, 8774, 8775, 8779, 8780, 8923, 8924, 8928, 8929, 9072, 9073, 9077, 9078, 9221, 9222, 9226, 9227, 9370, 9371, 9375, 9376, 9519, 9520, 9524, 9525, 10441, 10457, 10472, 10670, 10671, 13928	3627, 4231, 4232, 6476, 6479, 6497, 6500, 10643, 10644, 10645, 10646, 10647, 10769, 10904, 10905, 15443, 15655, 15657, 15663, 15954, 16222, 16224, 16230, 16629, 16854, 16856, 16862, 17241, 17990, 18247, 18294	16270, 16272, 16291, 16293, 16296, 16298, 16301, 16305, 16307, 16317, 16319, 16324, 16328, 16498, 16902, 16904, 16923, 16925, 16928, 16930, 16933, 16937, 16939, 16949, 16951, 16956, 16960, 17302, 17307
\stepcounter	\strip@prefix 3022, 3035	\strutbox . . . 39, 52,
. . . 4547, 4566, 4585, 4617, 4734, 4763, 4792, 5544, 10205, 10273, 10343, 10413, 10422, 11645, 11653, 12337, 13732, 13736, 13753, 13757, 15188, 15231, 18892	\strip@pt . . . 9587, 9699	67, 248, 261, 275, 605, 609, 7999, 8015, 8031, 8045, 8058, 8071, 8136, 8334, 8339, 8476, 8481, 8625, 8630, 8774, 8779, 8923, 8928, 9072, 9077, 9221, 9226, 9370, 9375, 9519, 9524, 10442, 10449, 10458, 10465, 10473, 10480, 10506, 10519, 10532, 12356, 12372, 12452, 15747, 15748, 16314, 16315, 16946, 16947, 17104, 17105, 17141, 18594, 18595
\stopbreaks 7958, 16495	\stripsep 6685, 6728, 6742, 6788, 6797, 6807, 6852, 6952, 6961, 6971, 13255, 13257, 13264, 13337, 13339, 13346, 13405, 13408, 13410, 13417	\subfigure 3967
\str 12519, 12570, 12641, 12657, 12719, 12743, 12748, 12822, 12853, 12866, 12888, 12942, 12974	\strut 45, 58, 73, 254, 267, 281, 1986, 7966, 8243, 8246, 8249, 8329, 8330, 8389, 8392, 8395, 8471, 8472, 8534, 8537, 8540, 8620, 8621, 8683, 8686, 8689, 8769, 8770, 8832, 8835, 8838, 8918, 8919, 8981, 8984, 8987, 9067, 9068, 9130, 9133, 9136, 9216, 9217, 9279, 9282, 9285, 9365, 9366, 9428, 9431, 9434, 9514, 9515, 9627, 9631, 9635, 9731, 12450, 15703, 15705, 15724, 15726, 15729, 15731, 15734, 15738, 15740, 15750, 15752, 15757, 15761,	\subitem . . 104, 234, 5106
\stretch 1690, 1693, 6440, 6443		\subjclass 326
\string . . . 579, 1600, 2590, 2596, 2668, 2670, 2688, 2689, 2692, 2693, 2783, 2816, 2817, 2823, 2971, 3001, 3022, 3025, 3052, 3054, 3114, 3175, 3176, 3189, 3190, 3201, 3202, 3215, 3216, 3420, 3429, 3433, 3439, 3450, 3607, 3609, 3620, 3622, 3623, 3624, 3625,		\subject 15488, 15999, 16674
		\subject@font . 15401, 15514, 15912, 16025, 16587, 16700
		\subparagraph 4908, 4909, 4912
		\subsection 2506, 4879, 4895
		\subsectioncolour 2432,



7049, 7057, 7064, 7071, 7078, 7148, 7154, 7160, 7166, 7172	\textcolor 7571, 7586, 7590, 7593, 10606, 11895	\textwidth@footnoterule . 636, 958, 1209, 1458, 5861, 6037, 6142, 7683, 7776, 9883, 10362, 10373, 13595, 14412, 14549, 14808, 15004, 15381, 15892, 16567
\subsectionfont 2440, 2448, 7087, 7180	\textdef@ 340	\textwidthfootnoterule 1808, 7233, 7980, 10371, 10820, 18917
\subsectionstyle 2448, 2507	\textendash 961, 1212, 1275, 1461, 5864, 6040, 14415, 14554	\TeXeTOff . 14044, 18305
\subsubitem 105, 235, 5107	\textheight 1905, 2382, 6672, 6711, 10982, 15196, 15241, 18891	\TeXeTOn 14043, 14045, 18304, 18306
\subsubsection 4899, 4900, 4903	\textit 17747	\TeXeTstate . . 14043, 14044, 18304, 18305
\subtable 3967	\textsl . . 4115, 4116, 4117	\TF@conlab 10599, 10601, 10608
\symbol 1999, 2009	\textsuperscript 4662, 8116, 15357, 15868, 16414, 16543	\TF@savecolor 10605, 10610
\sys 12737	\texttt 2009, 2073, 2075, 2076	\TF@Title 10608
T	\textwidth 1904, 2380, 2471, 2480, 2481, 2493, 2495, 3876, 3880, 3973, 4274, 4275, 5412, 6662, 6666, 6699, 6763, 6769, 6940, 7095, 7110, 7182, 7191, 7305, 7408, 8179, 9547, 10038, 10042, 10072, 10158, 10163, 10544, 10781, 10801, 10806, 10950, 10953, 10958, 10964, 12424, 13285, 13292, 13367, 13395, 13580, 13581, 13584, 13585, 13588, 13589, 13593, 13596, 15394, 15422, 15426, 15506, 15905, 15933, 15937, 16017, 16495, 16580, 16608, 16612, 16692, 18648, 18652, 18668, 18876, 18886	\thanklessauthor 5160, 5193, 5196, 5233
\t@cb@bchapsec . . . 17363		\thanklesspublisher 5161, 5220, 5223, 5237
\tabcaption 11031, 11049		\thanklesstitle 5159, 5176, 5179, 5235
\tabcolsep 599, 1572, 12367, 14671, 18392		\thanks 325, 637, 657, 692, 711, 959, 971, 997, 1008, 1009, 1018, 1041, 1058, 1210, 1222, 1248, 1259, 1260, 1269, 1292, 1309, 1459, 1471, 1497, 1508, 1509, 1518, 1541, 1559, 1932, 5159, 5160, 5161, 5162, 5165, 5172, 5173, 5189, 5190, 5205, 5206, 5217, 5862, 5874, 5900, 6038, 6050, 6076, 6143, 6163, 6198, 6217, 7684, 7702, 7735, 7752, 7777, 7797, 7832, 7851,
\tablinese 17138		
\tabskip . . 615, 5554, 12381, 12382, 17110, 17149, 18600		
\tabular 17210		
\tabularnewline 624, 12351, 17112, 18602		
\tabularx 17201		
\tabularxcolumn . . 17163		
\tagform@ 338		
\tamark 13091		
\tcd . 13925, 13932, 13933		
\tcdsav 13925		
\tcl . 13949, 13950, 13956		
\tcn 13933, 13934, 13956, 13957, 13958, 13959		
\Telefon 2421		
\tencolumnfootnotes 9377		
\tencolumnfootstyle 9472		
\TeX 11811, 14109, 14110, 14118, 18369, 18370, 18382		
\textbf 2534, 5052, 10616, 10618, 10620, 10622		
\textbullet . . 2418, 7041, 7105, 7139		



9884, 9902, 9935,	10291,	10294,	17218,	17221,
9952, 13078,	10347,	10351,	17222,	17225,
14413, 14425,	10405,	10568,	17228,	17229,
14451, 14462,	10582,	10632,	17232,	17320,
14463, 14472,	10639,	10643,	17773,	17776,
14495, 14512,	10644,	10645,	17777,	17779,
14550, 14564,	10646,	10647,	17781,	17785,
14590, 14603,	10648,	10656,	17790,	17794,
14604, 14613,	10662,	10669,	17805,	17806,
14636, 14656,	10670,	10672,	17809,	17815,
14809, 14839,	10677,	10679,	17819,	17827,
14879, 14897,	10680,	10694,	17828,	17865,
15005, 15025,	10720,	10750,	17881,	17885,
15060, 15079,	10751,	10752,	17984,	18147,
15382, 15467,	10757,	10758,	18159,	18164,
15498, 15893,	10759,	10769,	18185,	18186,
15978, 16009,	10874,	10919,	18188,	18310,
16568, 16653, 16684	11432,	11440,	18311, 18434, 18481	
\thankses 325	11441,	11447,	\the@cornersize . . .	
\the 120, 121, 439,	11449,	11478,	. . . . . 9988, 9989	
440, 456, 457,	11479,	11485,	\thealgocf 164	
461, 464, 470,	11487,	11518,	\theAlgoLine 18957	
473, 476, 479,	11520,	11549,	\thechapter . . . 310,	
482, 529, 530,	11551,	11580,	4868, 5845, 5851,	
545, 549, 552,	11582,	11967,	5853, 5855, 6021,	
555, 557, 562,	11968,	11971,	6027, 6029, 6031,	
1588, 1682, 1683,	11975,	11979,	6093, 6272, 6274,	
1685, 1686, 1746,	12408,	12411,	6276, 6277, 6278,	
1863, 1896, 1898,	12932,	13239,	6288, 7882, 7884,	
1901, 1903, 2142,	13256,	13263,	7886, 7887, 7888,	
2145, 2148, 2151,	13269,	13321,	7898, 9837, 9966,	
2156, 2159, 2162,	13338,	13345,	9972, 9974, 9976,	
2267, 2603, 2605,	13351,	13418,	10237, 10239,	
2606, 2627, 2629,	13481,	13483,	10241, 10242,	
2630, 2986, 3673,	13484,	13485,	10243, 10250,	
3680, 3709, 4504,	13486,	13487,	10252, 10254,	
4514, 4649, 4660,	13671,	13810,	10255, 10256,	
5463, 5470, 5601,	13826,	13830,	12049, 13116,	
5604, 5607, 5611,	13833,	13858,	13125, 13127,	
5614, 5617, 5722,	13882,	13889,	13128, 13129,	
6334, 6339, 6383,	13896,	14050,	13712, 14178,	
6436, 6750, 6756,	14051,	15204,	14394, 14400,	
6757, 6758, 6890,	15214,	15223,	14402, 14404,	
6900, 6919, 6927,	15250,	15262,	14759, 14765,	
6928, 6929, 6932,	15272,	15640,	14767, 14769,	
6934, 6935, 6936,	16207,	16839,	14953, 14955,	
10027, 10029,	17134,	17135,	14957, 14958,	
10059, 10061,	17165,	17184,	15134, 15136,	
10271, 10286,	17186,	17210,	15138, 15139,	
10287, 10290,	17215,	17217,	15140, 15149,	



16141, 16143,	15449, 15896,	6282, 7768, 7769,
16157, 16159,	15960, 16571, 16635	7891, 7892, 9969,
16165, 16167,	\thefootnotemark ..	9970, 10246,
16173, 16175,	..... 15357,	10247, 10259,
16788, 16800,	15868, 16414, 16543	10260, 13121,
16804, 16808, 17403	\theHchapter 13712	13124, 14397,
\thecontentspage ..	\theHsection 13720, 13722	14398, 14762,
... 4926, 4933,	\theindex 94, 224	14763, 14961,
4940, 4947, 4954	\theL@lines 14962, 15143,	15144, 15608,
\thedate 5155, 5163, 5209	. 11920, 11925, 11932	15610, 16151,
\theDefaultDepth . 11874	\thelstlisting 12031,	16153, 16795, 16797
\theDefaultLines . 11873	12036, 12048, 12051	\thepart 773, 781, 7629, 7637
\theenumiv .. 83, 85,	\thempfn 2168,	\ther@tfl@t .. 15189,
292, 294, 800,	2176, 2184, 4735,	15190, 15232, 15233
934, 1196, 1445,	4741, 4764, 4770,	\thesection 19,
2578, 5828, 6015,	4793, 4799, 5622,	220, 766, 919,
6323, 7664, 7934,	5629, 5636,	1172, 1430, 4875,
9872, 14388,	10414, 10419,	5845, 5846, 6021,
14781, 14974,	10423, 10428,	6022, 6278, 6279,
15176, 15647,	10546, 10572,	7766, 7888, 7889,
16214, 16846, 17376	10577, 10587,	9966, 9967,
\theequation 10592, 11299,	11310, 11321,	10243, 10244,
... 5850, 6026,	11451, 11489,	10256, 10257,
6271, 7881, 9971,	11522, 11553,	13116, 13118,
10236, 10249,	11584, 11646, 12482	13720, 13722,
11848, 13126,	\thempfootnote	14394, 14395,
14399, 14768,	..... 10546, 12482	14759, 14760,
14952, 15133,	\theorem@indent ...	14958, 14959,
16171, 16807, 18910	..... 13746,	15140, 15141,
\thefigure ... 5852,	13747, 13766, 13767	15604, 16139,
6028, 6273, 7883,	\theorem@prework . 13740	16147, 16787, 16791
9973, 10238,	\theorem@postskipamount	\thesubparagraph ..
10251, 13128,	..... 13741, 13761	..... 22, 223,
14401, 14764,	\theorem@preskipamount	769, 922, 1175,
14954, 15135,	..... 13744, 13764	1433, 5849, 6025,
16155, 16799, 17120	\thepage . 1894, 1899,	6282, 7769, 7892,
\thefootdir@label .	2556, 4003, 4115,	9970, 10247,
.. 10271, 10274,	4116, 4117, 4126,	10260, 13123,
10303, 10308,	4127, 5339, 5340,	14398, 14763,
10326, 10329, 10349	5351, 5352, 5353,	14962, 15144,
\thefootnote ... 673,	6816, 6834, 6981,	15609, 16152, 16796
963, 1022, 1214,	6999, 18191, 18795	\thesubsection
1273, 1463, 1522,	\theparagraph 21, 22, 222,	... 19, 20, 220,
1923, 5866, 6042,	223, 768, 769,	221, 766, 767,
6179, 7716, 7813,	921, 922, 1174,	919, 920, 1172,
9916, 11332,	1175, 1432, 1433,	1173, 1430, 1431,
14417, 14476,	4889, 5848, 5849,	4882, 5846, 5847,
14556, 14617,	6024, 6025, 6281,	6022, 6023, 6279,
14812, 14855,		
15041, 15385,		



6280, 7766, 7767, 7889, 7890, 9967, 9968, 10244, 10245, 10257, 10258, 13117, 13120, 14395, 14396, 14760, 14761, 14959, 14960, 15141, 15142, 15604, 15606, 16147, 16149, 16791, 16793		13106, 14283, 14492, 14537, 14633, 14876, 14995, 15057, 15390, 15463, 15901, 15974, 16576, 16649, 17435	14661, 14667, 14670, 14671, 14676
\thesubsubsection 20, 21, 221, 222, 767, 768, 920, 921, 1173, 1174, 1431, 1432, 5847, 5848, 6023, 6024, 6280, 6281, 7767, 7768, 7890, 7891, 9968, 9969, 10245, 10246, 10258, 10259, 13119, 13122, 14396, 14397, 14761, 14762, 14960, 14961, 15142, 15143, 15605, 15608, 16148, 16151, 16792, 16795	\thm@topsepadd 13741, 13742, 13745, 13761, 13762, 13765	\thm@topsepadd 13741, 13742, 13745, 13761, 13762, 13765	\titlefont ... 2436, 2444, 7175, 15404, 15517, 15915, 16028, 16590, 16703
\thetabular 2302, 5854, 6030, 6275, 7885, 9975, 10240, 10253, 13129, 14403, 14766, 14956, 15137, 16163, 16803, 17121	\thr@@ ... 576, 592, 1597, 1615, 1639, 1648, 8477, 8482, 17039, 17238, 17258	\thr@@ ... 576, 592, 1597, 1615, 1639, 1648, 8477, 8482, 17039, 17238, 17258	\titleformat .. 4865, 4872, 4879, 4886
\thinlines 6526, 6536, 6549, 6559, 6572, 6582, 6595, 6605	\threecolumnfootnotes 8341	\threecolumnfootnotes 8341	\titlehead 15487, 15998, 16673
\thispagestyle 97, 109, 227, 689, 820, 835, 1038, 1083, 1289, 1334, 1538, 5240, 5262, 5283, 5746, 5922, 6132, 6195, 7732, 7829, 7945, 7948, 9932, 11851, 11854,	\threecolumnfootstyle 8430	\threecolumnfootstyle 8430	\titlepage 846, 1152, 1403, 5812, 5999, 14294, 14743
	\tiny ... 1969, 4640, 5009	\tiny ... 1969, 4640, 5009	\titlepagestyle ... 15463, 15974, 16649
	\title . 322, 665, 701, 1003, 1048, 1254, 1299, 1503, 1548, 1939, 2458, 2497, 5154, 5169, 5906, 6082, 6171, 6207, 7708, 7742, 7805, 7841, 9908, 9942, 14457, 14502, 14598, 14645, 14847, 14888, 15033, 15069, 15485, 15996, 16671	\title . 322, 665, 701, 1003, 1048, 1254, 1299, 1503, 1548, 1939, 2458, 2497, 5154, 5169, 5906, 6082, 6171, 6207, 7708, 7742, 7805, 7841, 9908, 9942, 14457, 14502, 14598, 14645, 14847, 14888, 15033, 15069, 15485, 15996, 16671	\titlespacing 4893, 4894, 4895
	\TitleBarFrame 10597, 10616, 10618, 10620, 10622	\TitleBarFrame 10597, 10616, 10618, 10620, 10622	\titlestyle . 2444, 7206
	\titlecolour . 2427, 7142	\titlecolour . 2427, 7142	\tl 12502, 12510, 12515, 12517, 12518, 12519, 12520, 12522, 12523, 12525, 12528, 12532, 12541, 12545, 12548, 12553, 12558, 12566, 12568, 12569, 12570, 12571, 12573, 12575, 12577, 12578, 12580, 12586, 12590, 12593, 12594, 12597, 12604, 12609, 12617, 12620, 12621, 12622, 12623, 12624, 12627, 12633, 12634, 12635, 12640, 12641, 12648, 12652, 12656, 12657, 12658, 12660, 12680, 12686, 12687, 12688, 12689, 12690, 12702, 12705, 12708, 12710, 12734, 12735,
	\titlecontents 4921, 4928, 4935, 4942, 4949	\titlecontents 4921, 4928, 4935, 4942, 4949	
	\TitleFont 952, 968, 1059, 1061, 1067, 1203, 1219, 1310, 1312, 1318, 1452, 1468, 1560, 1562, 1568, 1571, 1572, 1577, 5871, 6047, 14406, 14422, 14513, 14515, 14521, 14543, 14561, 14659,	\TitleFont 952, 968, 1059, 1061, 1067, 1203, 1219, 1310, 1312, 1318, 1452, 1468, 1560, 1562, 1568, 1571, 1572, 1577, 5871, 6047, 14406, 14422, 14513, 14515, 14521, 14543, 14561, 14659,	



12737,	12746,	..... 17762	17797,	17798,
12749,	12750,	\tocstyle@dottedtocline	17801,	17802,	
12751,	12752,	..... 17749	17805,	17806,
12753,	12754,	\tocstyle@feature@dothook	17809,	17811,	
12756,	12762,	..... 17848	17813,	17814,
12767,	12770,	\tocstyle@feature@entryhook	17818,	17823,	
12771,	12784,	..... 17844	17824,	17827,
12786,	12787,	\tocstyle@feature@entryvskip	17828,	17877,	
12788,	12789,	..... 17763, 17766	17879,	17880, 17884
12790,	12791,	\tocstyle@feature@leaders	\today	..... 5163
12792,	12801,	..... 17846, 17851	\toks	..... 118,
12804,	12808,	\tocstyle@feature@pagenumberbox	120,	1682, 1683,	
12809,	12810,	..... 17854, 17857	1685,	1686, 4497,
12813,	12827,	\tocstyle@feature@pagenumberhook	4498,	4504, 6436,	
12833,	12846,	..... 17855, 17857	10675,	10676, 10677
12851,	12855,	\tocstyle@feature@parfillskip	..... 117, 121, 3705,	
12876,	12884,	..... 17834, 17835	3709,	10026,
12885,	12910,	\tocstyle@feature@raggedhook	10027,	10028,	
12914,	12915,	..... 17770	10029,	10058,
12916,	12929,	\tocstyle@feature@spaceafternumber	10059,	10060,	
12999,	13000,	..... 17871,	10061,	10871,
13010,	13011,	17875, 17896, 17900	10874,	10908,	
13012,	13013,	\tocstyle@indentstyle	10910,	10914,	
13023,	13024,	..... 17821, 17891	10916,	10919,
13025,	13028,	\tocstyle@l@define	11429,	11432,	
13030,	13032,	.. 17908, 17911,	17184,	17204, 17210	
13041,	13043,	17916,	17920,	\tolerance ... 8239,	
13046,	13047,	17924,	17928,	8385,	8530,
13052,	13053,	17932,	17936,	8679, 8828, 8977,	
13058,	13070, 13071	17940, 17944, 17976	9126,	9275, 9424	
\toaddress	7954, 11860	\tocstyle@macrochangewarning	goname 7954, 11860	
\toc@headstar 17964, 17971	\topheight	
.....	17425, 17430	\tocstyle@numberline	.. 13937,	13939,	
\toc@l@number	15545, 17750, 17869	13940,	13941,	
15546,	15580,	\tocstyle@samed@dottedtocline	13943,	13949,	
15581,	16056, 17966	13951,	13953,	
16057,	16083,	\tocstyle@samed@numberline	13954,	13955,	
16084,	16113, 17974	14018,	14019,	
16114,	16731,	\tocstyle@depth	17761,	14020,	14021,
16732,	16761, 16762	17773,	17785,	14025,	14026, 14030
\toclevel@subfigure 17637	17805,	17806,	\topmargin	1909, 2381,
\toclevel@subtable	17657	17809,	17827,	7427,	10198, 18870
\tocstyle@@numberline 17872,	17828,	17877,	\topmark 10026,
17874,	17892,	17879, 17881, 17885	\topsep	.. 2051, 2060,	
17894,	17897, 17899	\tocstyle@TOC	2570, 3802, 5003,	
\tocstyle@activate@all@l 17985	17777,	17779,	5045,	13138, 13140
\tocstyle@activate@features 17789,	17781,	17785,	\topskip 303,
		17786,	17788,	1917,	6876, 6879,
		17789,	17793,	10681,	10683,



10688, 13144,	\ttl@outnoblock .. 17323	14992, 15050,
13398, 17401,	\ttl@savel@chapter 17358	15456, 15967,
17407, 17412,	\ttl@savel@part .. 17355	16642, 17401,
17419, 17424, 17429	\ttlh@hang 17289	17407, 17412,
\TOTALHEIGHT 17270, 17274	\turn 15276	17419, 17424, 17429
\totalheight 10901	\turnbox 15297	\twocolumnfootnotes 8192
\traditionalconnverses	\tw@ 575,	\twocolumnfootstyle
.. 5401, 5424, 5440	583, 1596, 1604,	..... 8287
\traditionalhalfverses	1638, 1642, 1647,	\TX@ 17161,
..... 5390,	2224, 2817, 8335,	17162, 17190, 17191
5394, 5401, 5434	8340, 9993, 9994,	\TX@align .. 17214, 17216
\traditionalpoem . 5643	10674, 10678,	\TX@arith 17176
\traditionalpoem@cr	10679, 10693,	\TX@ckpt ... 17166, 17212
.. 5514, 5563, 5564	10697, 10702,	\TX@col@width . 17163,
\traditionalpoem@obeylines	10705, 10716,	17169, 17174, 17217
..... 5444, 5643	10720, 10721,	\TX@cols 17170, 17174, 17218
\traditionalpoem@par	10722, 10723,	\TX@endtabularx 11418,
.. 5444, 5445, 5563	10726, 10837,	11429, 11435, 17159
\trimb 4499, 4506	10839, 10840,	\TX@find@endtabularxa
\trimc 4508	10842, 10843,	..... 17161, 17162
\trivlist	10846, 10848,	\TX@find@endtabularxb
10109, 13743, 13763	10849, 10883,	..... 17191
\ttdefault .. 7081, 7173	10885, 10886,	\TX@find@endtabularxbb
\ttfamily 1956,	10888, 10889,	..... 17189
1996, 1997, 1999,	10892, 10894,	\TX@ftn . 17186, 17221,
2000, 2001, 2002,	10895, 11969,	17223, 17225,
2003, 2004, 2005	13491, 13498,	17228, 17230, 17232
\ttl@a 17325, 17327	13499, 13507,	\TX@ftntext 17180
\ttl@b 17320,	13508, 13513,	\TX@LTRftntext
17321, 17325, 17327	13514, 13527,	..... 17181, 17220
\ttl@beginlongest 17295	13528, 13535,	\TX@newcol 17163
\ttl@calc . 17290, 17302	13536, 13552,	\TX@old@table 17168
\ttl@changecentercr	13557, 14114,	\TX@RTLftntext
..... 17294	14115, 15348,	..... 17182, 17227
\ttl@contentsstretch	15859, 16406,	\TX@target . 17169, 17183
..... 17332	16534, 17039,	\TX@trial
\ttl@corr	17139, 17237,	. 17173, 17178, 17194
17347, 17348, 17351	17245, 17549,	\TX@trial@ftn
\ttl@endlongest .. 17310	18378, 18379,	. 17197, 17198, 17199
\ttl@filleft 17284, 17313	18613, 18617, 18619	\TX@typeout@ 17171, 17213
\ttl@filright	\twocolumn 682,	\TX@verb 17164
..... 17285, 17314	817, 833, 1031,	\TX@vwarn 17200
\ttl@glcmds 17297	1081, 1282, 1332,	\TX@xftntext 17180
\ttl@hmode@error . 17296	1531, 1893, 5744,	\TX@xLTRftntext ...
\ttl@leaders 17349	5920, 6129, 6188,	..... 17181, 17224
\ttl@lselect 17356, 17359	6815, 6980, 7725,	\TX@xRTLftntext ...
\ttl@makeline	7822, 9925,	..... 17182, 17231
..... 17290, 17345	13097, 14281,	\typeout 1745,
\ttl@margin 17344, 17350	14485, 14535,	1747, 3999, 4001,
\ttl@midlongest .. 17309	14626, 14869,	4002, 4003, 4005,



4007, 4008, 4009, 10281, 14154, 17773, 17785, 17805, 17806, 17809, 17827, 17828		
U		
\uc@authornothanks 980, 1009, 1014, 1231, 1260, 1265, 1480, 1509, 1514, 5883, 6059, 14434, 14463, 14468, 14573, 14604, 14609	\unhbox 1712, 5469, 5734, 6462, 9529, 9553, 9563, 9566, 9737, 9739, 9744, 9746, 18488, 18623, 18624, 18625, 18626	281, 338, 544, 1664, 1665, 1666, 4053, 4056, 4059, 4062, 4749, 4778, 4807, 5496, 5507, 6366, 6859, 6871, 6882, 6884, 6888, 6892, 8150, 9530, 9531, 10555, 12451, 12454, 15281, 15291, 15309, 15705, 15726, 15731, 15740, 16272, 16293, 16298, 16307, 16904, 16925, 16930, 16939, 18503, 18827
\uc@ax 1010, 1011, 1261, 1262, 1510, 1511, 14464, 14465, 14605, 14606	\unhcopy 17059, 17071, 17149	
\uc@nothanks ... 971, 1008, 1009, 1018, 1222, 1259, 1260, 1269, 1471, 1508, 1509, 1518, 5874, 6050, 14425, 14462, 14463, 14472, 14564, 14603, 14604, 14613	\unitindent ... 856, 867, 868, 870, 943, 949, 1093, 1094, 1096, 1162, 1163, 1165, 1166, 1178, 1183, 1276, 1348, 1349, 1351, 1413, 1422, 1428, 5760, 5761, 5763, 5837, 5843, 5936, 5937, 5939, 5990, 5996, 14304, 14315, 14316, 14318, 14369, 14375, 14686, 14687, 14689, 14753, 14790, 14796	\unvbox 2291, 2316, 2321, 2330, 2333, 6380, 6381, 6627, 6630, 6647, 6651, 6686, 6729, 6786, 6794, 6795, 6804, 6882, 6884, 6888, 6891, 6897, 6901, 6950, 6958, 6959, 6968, 7016, 7247, 7250, 7251, 7268, 7271, 7272, 7297, 7304, 7309, 7314, 7354, 7359, 7363, 7368, 8036, 8049, 8062, 8123, 8155, 8161, 8191, 8252, 8264, 8277, 8317, 8398, 8409, 8421, 8459, 8543, 8555, 8568, 8608, 8692, 8704, 8717, 8757, 8841, 8853, 8866, 8906, 8990, 9002, 9015, 9055, 9139, 9151, 9164, 9204, 9288, 9300, 9313, 9353, 9437, 9449, 9462, 9502, 9527, 9639, 9653, 9667, 9716, 9735, 9742, 9766,
\uc@tx 1008, 1016, 1259, 1267, 1508, 1516, 14462, 14470, 14603, 14611	\unitlength ... 6526, 6536, 6549, 6559, 6572, 6582, 6595, 6605, 13777	
\uc@ty 1017, 1018, 1268, 1269, 1517, 1518, 14471, 14472, 14612, 14613	\unkern 4661	
\undefined 3511, 5596, 5649, 5652, 5654, 15708, 15710, 15712, 16275, 16277, 16279, 16907, 16909, 16911	\unpenalty 6369, 6859, 6871, 6882, 6888, 9532, 9550, 9560, 10705	
\underline 18570, 18578	\unrestored@protected@xdef 2168, 2176, 2184, 4741, 4770, 4799, 5622, 5629, 5636, 10419, 10428, 10577, 10592, 11299, 11310, 11321, 11332	
\undertext 18578	\unsetfootnoteRL 10434, 10435	
\unexpanded 2844, 2853, 2854, 2861, 2862, 2875, 2876, 2883, 2884, 2985, 3106	\unsetLTR . 14096, 18356 \unsetRL ... 14121, 18387 \unsetRTL . 14095, 18355 \unskip 45, 58, 73, 254, 267,	



9774, 9780, 9786, 10498, 10511, 10524, 10560, 10565, 10668, 10678, 10705, 12457, 12475, 13252, 13254, 13262, 13280, 13282, 13334, 13336, 13344, 13362, 13364, 13416, 13975, 13979, 13984, 13988, 14000, 14011, 14031, 14034, 14039, 18488 \unvcopy 6854, 7291, 7348 \uppercase . 310, 988, 1008, 1239, 1259, 1488, 1508, 5891, 6067, 14442, 14462, 14581, 14603 \uppercasenonmath . 110 \uppermargin 7411 \uppertitleback . . . 15490, 16001, 16676 \upshape 4926, 4933, 4940, 4947, 4954, 7082, 7086, 7087, 7174, 7179, 7180, 14173 \urlstyle 2400 \use 12633 \usebox 2036, 2046, 3900, 4026, 4028, 4033, 4035, 4044, 4045, 4048, 4049, 4256, 7517, 7520, 7528, 7535, 7543, 7550, 7593, 10989, 10993, 11076, 11078, 11082, 11084, 11089, 11091, 11095, 11097, 11101, 11103, 11107, 11109, 11115, 11116, 11119, 11120, 11124, 11125, 11128,	11129, 11132, 11133, 11136, 11137, 11151, 11152, 11154, 11155, 11167, 11168, 11170, 11171, 11177, 11178, 11181, 11182, 11186, 11187, 11190, 11191, 11194, 11195, 11198, 11199, 11206, 11208, 11212, 11214, 11219, 11221, 11225, 11227, 11231, 11233, 11237, 11239, 11252, 11254, 11978, 11980, 13773, 13774, 13776, 13783, 13801, 14046, 14047, 18307 \usecounter 87, 296, 798, 932, 1194, 1443, 2576, 5041, 5826, 6013, 6321, 7662, 7932, 9870, 14386, 14779, 14972, 15174, 15639, 15644, 16206, 16211, 16838, 16843, 17374 \usekomafont . . 15362, 15369, 15406, 15519, 15555, 15556, 15591, 15592, 15873, 15880, 15917, 16030, 16066, 16067, 16093, 16094, 16124, 16125, 16548, 16555, 16592, 16705, 16741, 16742, 16772, 16773 \usepackage 3429, 3430, 3435, 3436, 3439, 3442, 3487, 3488	V \v@aaa . . . 6747, 6749, 6750, 6751, 6753, 6755, 6756, 6757, 6758, 6913, 6915, 6917, 6919, 6920, 6925, 6926, 6928, 6931, 6932, 6935 \v@ccc 6748, 6754, 6756, 6757, 6758, 6759, 6768, 6776, 6914, 6926, 6927, 6931, 6934, 6938, 6941 \vadjust 5472, 5473, 5480 \valign 8181, 8185 \value . . . 4542, 4561, 4580, 4612, 10271, 10286, 10287, 10290, 10291, 10294, 11654, 11659, 15695, 16262, 16894, 17165 \varcustomer . . 16426, 16452, 16453, 16456 \varinvoice . . 16427, 16458, 16459, 16462 \varmyref . . . 16425, 16446, 16447, 16450 \varrefitemi . . 16428, 16464, 16465, 16468 \varrefitemii . 16429, 16470, 16471, 16474 \varrefitemiii 16430, 16476, 16477, 16480 \varrefitemnamei . 16466 \varrefitemnameii 16472 \varrefitemnameiii 16478 \varyourmail . . 16424, 16440, 16441, 16444 \varyourref . . 16423, 16434, 16435, 16438 \vbadness 8180, 8184, 10024, 10056, 10157, 13927 \vbox 175, 308, 618, 624, 1632, 1699, 2248, 2316, 2321, 2324, 2329, 2330, 2333, 4283, 4284, 4286,
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5456, 6374, 6379, 6449, 6627, 6630, 6647, 6651, 6662, 6672, 6684, 6698, 6711, 6727, 6748, 6754, 6759, 6762, 6768, 6771, 6776, 6781, 6785, 6793, 6803, 6854, 6882, 6884, 6887, 6896, 6914, 6926, 6938, 6939, 6941, 6945, 6949, 6957, 6967, 7015, 7021, 7239, 7247, 7248, 7256, 7260, 7268, 7269, 7277, 7291, 7296, 7300, 7303, 7307, 7308, 7325, 7332, 7348, 7353, 7357, 7358, 7361, 7362, 7377, 7384, 8035, 8048, 8061, 8121, 8251, 8263, 8276, 8316, 8397, 8408, 8420, 8458, 8542, 8554, 8567, 8607, 8691, 8703, 8716, 8756, 8840, 8852, 8865, 8905, 8989, 9001, 9014, 9054, 9138, 9150, 9163, 9203, 9287, 9299, 9312, 9352, 9436, 9448, 9461, 9501, 9527, 9595, 9607, 9619, 9637, 9645, 9651, 9659, 9665, 9673, 9708, 9715, 9722, 9763, 9771, 9784, 10038, 10071, 10158, 10163, 10186, 10199, 10213, 10497, 10510, 10523, 10541, 10665, 10678, 10702, 10781, 10801, 12379, 12419, 12457,	12985, 13144, 13246, 13251, 13253, 13261, 13279, 13284, 13328, 13333, 13335, 13343, 13361, 13366, 13394, 13961, 13962, 13975, 13979, 13984, 13988, 14000, 14011, 14026, 14028, 14030, 14033, 14038, 14073, 14080, 14081, 14088, 14184, 15722, 16289, 16921, 17116, 17151, 17156, 17907, 17910, 17915, 17919, 17923, 17927, 17931, 17935, 17939, 17943, 18333, 18340, 18341, 18348, 18478, 18483, 18591, 18608, 18648, 18667, 18805, 18841, 18871, 18872 \vboxL 14081, 15196, 15241, 18341 \vboxR 14073, 18333 \vcenter 618, 1696, 6446, 17151, 18407, 18485, 18486, 18591 \veqno 329, 330 \verb 17164 \VerbBox 7574, 7576 \verse@i . 5486, 5517, 5523, 5531, 5572 \verse@ii 5497, 5518, 5524, 5526, 5532, 5534, 5572 \versewidth 5449, 5459, 5551 \vfil . . 640, 654, 847, 850, 965, 994,	1153, 1156, 1216, 1245, 1404, 1407, 1465, 1494, 5456, 5813, 5816, 5868, 5897, 6000, 6003, 6044, 6073, 6146, 6160, 7247, 7268, 7685, 7699, 7780, 7794, 9885, 9899, 14295, 14298, 14419, 14448, 14558, 14587, 14744, 14747, 14822, 14836, 15008, 15022, 18873 \vfill 5236, 8181, 8185, 14026, 14031, 14032, 15206, 15221, 15253, 15270, 15398, 15420, 15425, 15431, 15909, 15931, 15936, 15942, 16584, 16606, 16611, 16617 \vfuzz . . 4510, 4513, 4514 \vleftskip . 13112, 13113 \voffset 1913 \voidb@x 6347 \vphantom 18070 \vpic . 13951, 13961, 13962 \vrighskip 13112, 13113 \vrule 607, 1711, 4285, 4286, 5455, 5457, 6461, 6664, 6703, 6766, 6778, 6943, 10040, 10075, 10784, 10803, 12370, 12406, 12714, 12976, 13063, 13256, 13263, 13288, 13338, 13345, 13371, 13398, 13511, 13522, 17075, 17104, 17146, 18594, 18650, 18672, 18819 \vsize . . . 2308, 2328, 2336, 6824, 6989,
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7855, 7861, 7865,	15415,	15417,	18805,	18870,
7900, 7905, 7914,	15433,	15511,	18881, 18896, 18904	
8142, 8152, 8164,	15515,	15518,	\vspace 2500,	
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9775, 9776, 9821,	15529,	15532,	4603, 4607, 4669,	
9839, 9843, 9851,	15537,	15678,	4673, 4686, 4690,	
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9950, 9954, 9960,	15769,	15773,	4833, 4842, 4923,	
9964, 10198,	15775,	15786,	4930, 4937, 4944,	
10200, 10201,	15788,	15796,	4951, 5234, 5278,	
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11946, 11948,	15916,	15918,	7894, 7909, 7953,	
12000, 12013,	15924,	15926,	7955, 7957, 9834,	



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11861,	12439,		5523, 5524, 5526,	18156,	18191, 18193	
12452,	15146,		5532, 5572, 5673,	\WF@ovh	18161	
15158,	16489,		5675, 5688, 5690,	\WF@place . .	18159, 18165	
16492,	16494,		6470, 7587, 7591,	\WF@putfigmaybe . .	18125	
16499,	17401,		9537,	10004,	\WF@size . . .	18138, 18192
17407,	17412,		10119,	10603,	\WF@startwrapping	18197
17419, 17424, 17429			10721,	10722,	\WF@wfname	
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6623,	6640,		10892,	10894,	\WF@wrapil .	18185, 18188
6644, 6749, 6755,			10995,	11076,	\whiledo	10162
6760, 6915, 6917,			11078,	11082,	\widowpenalty	88, 297,
6926, 6938, 7018,			11084,	11115,	804, 935, 1197,	
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13973,	13977,		11177,	11178,	14782,	14978,
13982,	13986,		11181,	11182,	15180,	15649,
13998, 14009, 14036			11206,	11208,	16216, 16848, 17380	
\vss	308,		11212,	11214,	\WIDTH	17266, 17274
2321, 2333, 6675,			11907,	11951,	\width . .	10624, 10914,
6714, 6749, 6755,			11952,	11963,	10916,	13023,
6760, 6768, 6771,			12007,	12392,	13036, 13038, 13062	
6776, 6781, 6916,			12458,	13150,	\widthof	7442, 7447
6926, 6938, 6941,			13154,	13156,	\windowbox .	14028, 14034
6945, 7019, 7304,			13164,	13195,	\wlog	6750, 6756, 6758,
7314, 7359, 7368,			13477,	13919,	6919, 6927, 6934	
10214,	12986,		14115,	14138,	\write	2294,
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14033, 14184, 18488			15238,	15294,	5448, 5659, 17203	
\vtop	176,		15301,	15720,	\wstrutbox	13938, 13940
618, 624, 1631,			16287,	16437,		
1698, 4344, 4388,			16443,	16449,	X	
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18608, 18720, 18764			17215,	17266,	18282, 18290, 18294	
			17303,	17320,	\XC@@tstfalse	
W			18161,	18205,	18232, 18281
\waslice	13961, 13979,		18379, 18566, 18898		\XC@@tsttrue . .	18233,
13984,	14000,	\WF@everypar	18124	18234,	18235,	
14019, 14020, 14029		\WF@adjlw . .	18164, 18189	18282, 18283, 18284		
\wbslice	13962,	\WF@adjtlm .	18186, 18189	\XC@bidideclaredc@lor		
13975,	13988,	\WF@box	18161, 18194, 18195	. . . . .	18288, 18293	
14011,	14018,	\WF@floatfalse	18127,	\XC@bidideclaredcolor		
14020,	14021,	18135, 18145, 18148		. . . . .	18287, 18289	
14025,	14026,	\WF@fltmes	18154	\XC@bidiundeclaredcolor		
14033, 14038, 14039		\WF@info	18134,	. . . . .	18272, 18274	



<code>\XC@coremodel</code>	18164, 18185,	4325, 4329, 4369,
. 18216, 18259	18186, 18188, 18189	4373, 4413, 4417,
<code>\XC@current@color</code> .	<code>\XeLaTeX</code> 11812,	5000, 5027, 5058,
. 18244,	18383, 19057, 19058	5070, 5248, 5476,
18247, 18248,	<code>\XeTeX</code> . . . 11811, 14117,	5479, 5482, 5523,
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. 18239, 18246		5555, 5556, 5557,
<code>\XC@declaredcolor</code> 18238	Y	5558, 5559, 5572,
<code>\XC@display</code> . . 18245,	<code>\y</code> 11816, 11818,	5585, 5653, 5665,
18249, 18279, 18296	11819, 11822, 11829	5666, 5673, 5675,
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<code>\XC@fbox</code> 18300	<code>\yourrefname</code> 16436	5742, 5746, 5747,
<code>\XC@getmodclr</code>		5758, 5759, 5762,
. 18212, 18255	Z	5764, 5777, 5800,
<code>\XC@inflate</code> 18226, 18269	<code>\z@</code> . 12, 24, 45, 58, 73,	5851, 5853, 5855,
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<code>\XC@mclr</code> . . 18226, 18269	130, 132, 213, 225,	5922, 5923, 5934,
<code>\XC@mmod</code> 18224,	229, 254, 267,	5935, 5938, 5940,
18225, 18267, 18268	281, 308, 316,	5953, 5976, 6027,
<code>\XC@mul</code> . . . 18227, 18270	320, 406, 420,	6029, 6031, 6039,
<code>\XC@split</code> 18290	445, 522, 523,	6056, 6090, 6110,
<code>\XC@tgt@mod</code> 18220, 18263	577, 581, 584,	6127, 6132, 6133,
<code>\XC@type</code> . . 18233, 18282	595, 610, 615,	6192, 6239, 6254,
<code>\XC@undeclaredcolor</code>	621, 622, 686,	6272, 6274, 6276,
. 18229, 18240	733, 745, 750,	6285, 6299, 6349,
<code>\xcolor@</code> . . . 18244, 18278	777, 815, 820,	6350, 6361, 6363,
<code>\xdef</code> . . 335, 443, 444,	821, 831, 835,	6391, 6393, 6438,
450, 470, 473,	836, 865, 866,	6440, 6445, 6459,
534, 549, 552,	869, 871, 884,	6461, 6462, 6467,
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2862, 2865, 2866,	1084, 1091, 1092,	6634, 6743, 6790,
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12377, 13882,	1690, 1695, 1709,	7585, 7587, 7589,
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17320, 17789,	2263, 2291, 2307,	7600, 7605, 7619,
17793, 17814,	2309, 2316, 2320,	7633, 7646, 7729,
17818, 17880,	2321, 2324, 2330,	7826, 7872, 7882,
17884, 18159,	3790, 3799, 4092,	7884, 7886, 7895,



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18189,	18191,	18629,	18701,	18542,	18543,
18195,	18202,	18705,	18745,	18600,	18606, 18868
18203,	18204,	18749,	18790,	\zap@space 444,
18205,	18300,	18794,	18797,	3417,	3504, 3540
18307,	18349,	18807,	18808,	\zifrefundefined	..
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18431,	18432,	18879, 18907, 18908		10308, 10329
18433,	18512,	\z@skip	. 2263, 10195,	\zref@labelbyprops	
18521,	18530,	10196,	12430,	10274, 10349
18539,	18543,	12433,	14244,		

9 Change History

v13.9	General: Added implementaion of the package.	o	toc, lot, lof, etc with multicol package.	301	
v14.2	General: Fixed the wrong order of		v14.3	General: Removed \leavevmode to avoid extra \par.	140

