



The bidi *Package*

Documentation for *version 19.8*

to my Master, Ferdowsi The Great

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<https://github.com/vafa/bidi/issues>

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

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The *bid* Package

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

Documentation for [version 19.8](#)

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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
*
* 2016/09/11, v19.8
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://github.com/vafa/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.

1.11 RTL cases

`\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.

```
\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{\langle mark\rangle} \@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 scenario 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\leftskip\fi
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-.4p@
28 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29 \kern11p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4p@
31 \hrule\@width 5pc\kern11p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35 \insert\footins{%
36 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37 \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 35\p@
96 \@indextitlestyle
97 \thispagestyle{plain}%
98 \let\item\@idxitem
99 \parindent\z@ \parskip\z@\@plus.3\p@\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\toks@}}{\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 packa
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 packa
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\@endalgorithmbidi\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 which 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 XeT
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\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\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   \@bibtitlestyle
291   \normalfont\bibliofont\labelsep .5em\relax
292   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
293   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@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\@xp{\chaptername}\enspace\thechapter}
311 \vskip 3pc}}\hskip\if@RTL\righskip\else\leftskip\fi\fi
312 #1\par \endgroup
313 \skip@34\p@ \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\@xtitle \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 \@xp\xdef\csname the#2\endcsname{%
336 \@xp\@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 XeT
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[dvi pdfmx]{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@buildtmln{\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   \beginngroup%
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 }{f%
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@buildtmln{\the\@anim@num}\fi%
556 %insert animation widget & controls
557 \@anim@insertwidgets{\the\@anim@num}{f%
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 $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
603 \expandafter\let\csname endtabular*\endcsname=\endtabular
604 \def\@array[#1]#2{%
605 \@tempdima \ht \strutbox
606 \advance \@tempdima by\extrarowheight
607 \setbox \@arstrutbox \hbox{\vrule
608 \height \arraystretch \@tempdima
609 \depth \arraystretch \dp \strutbox
610 \width \z@}%
611 \beginR
612 \@mkpream{#2}%
613 \xdef\@preamble{\noexpand \ialign \@halignto
614 \bgroup \@arstrut \@preamble
615 \tabskip \z@ \cr}%
616 \endR
617 \@arrayleft
618 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
619 \bgroup
620 \let \@sharp ##\let \protect \relax
621 \lineskip \z@
622 \baselineskip \z@
623 \m@th
624 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop
625 \def\@tabarray{\@ifnextchar[\@array]{\@array[c]}}
626 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
627 \def\array{\col@sep\arraycolsep
628 \def\d@llarbegin{$}\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     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@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{\thesection\@SepMark\@arabic\c@subsection}
920 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@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\@makefnmark{\@xmakefnmark}%
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*{\hskip\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    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@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\@makeintext##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 { \section*{\refname}%
1436 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1437 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1438 \list{\@biblabel{\@arabic\c@enumiv}}%
1439 { \settowidth\labelwidth{\@biblabel{#1}}%
1440 \leftmargin\labelwidth
1441 \advance\leftmargin\labelsep
1442 \openbib@code
1443 \usecounter{enumiv}%
1444 \let\p@enumiv\@empty
1445 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1446 \sloppy\clubpenalty4000\widowpenalty4000%
1447 \sfcode\.\@m}
1448 {\def\@noitemerr
1449 {\@latex@warning{Empty `thebibliography' environment}}%
1450 \endlist}
1451 \if@titlepage
1452 \renewcommand*\TitleFont{\rmfamily}
1453 \renewcommand*\maketitle{%
1454 \begin{titlepage}%
1455 \let\footnotesize\small
1456 \let\right@footnoterule\relax
1457 \let\left@footnoterule\relax
1458 \let\textwidth\footnoterule\relax
1459 \let \footnote \thanks
1460 \long\def\@makefnmark##1{\parindent\z@
1461 \def\labelitemi{\textendash}\@revlabeltrue
1462 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1463 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1464 \if@compatibility\setcounter{page}{0}\fi
1465 \null\vfil
1466 \vskip 60\p@
1467 \begin{center}%
1468 \TitleFont
1469 {\LARGE \def\\{\penalty -\@M}
1470 \if@allcaps
1471 \expandafter\uc@nothanks\@title\thanks\relax
1472 \else

```



```

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     \beginingroup
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 \head@style \@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@inactive \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 \@ne \else
1642       \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1643       \@chclass
1644       \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1645       \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1646       \if #1;\@ne \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@dg\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{2016/09/11}
1719 \def\bidiversion{v19.8}
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/vafa/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-abspage}
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,t
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,lefttoright
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
1834 \newcount\bidi@digits
1835 \XeTeXinterchartokenstate=\@ne
1836 \newXeTeXintercharclass\bidi@digits@charclass
1837 \newXeTeXintercharclass\bidi@dot@charclass
1838 \XeTeXcharclass `\. \bidi@dot@charclass
1839 \bidi@digits=\0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<`
1840 \bidi@digits=`\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<`
1841 \XeTeXinterchartoks \bidi@digits@charclass \bidi@dot@charclass = {\DigitsDotInterCharToks}
1842 \XeTeXinterchartoks \bidi@dot@charclass \bidi@digits@charclass = {\DigitsDotInterCharToks}
1843 \newcommand*{\DigitsDotInterCharToks}{\if@Latin\else\char"200F \fi}

```

7.16 bidi.tex

```

1844 \def\bididate{2015/10/16}
1845 \def\bidiversion{v0.3}
1846 \catcode`@=11
1847 \let \protect \relax
1848 \newlinechar`\^^J
1849 \edef\@bidi@info{*****~^J%
1850 * ~^J%
1851 * bidi package (Bidirectional typesetting in~^J%
1852 * plain TeX and LaTeX, using XeTeX engine)~^J%
1853 * ~^J%
1854 * Description: A convenient interface for~^J%
1855 * typesetting bidirectional texts in plain TeX~^J%
1856 * and LaTeX. The package includes adaptations~^J%
1857 * for use with many other commonly-used packages.~^J%
1858 * ~^J%
1859 * Copyright (c) 2009--2015 Vafa Khalighi~^J%
1860 * ~^J%
1861 * \bididate, \bidiversion~^J%
1862 * ~^J%
1863 * License: LaTeX Project Public License, version~^J%

```



```

1864 * 1.3c or higher (your choice)^^J%
1865 * ^^J%
1866 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1867 * ^^J%
1868 * Issue tracker: https://github.com/vafa/bidi/issues^^J%
1869 * ^^J%
1870 * Support: persian-tex@tug.org^^J%
1871 *****}
1872 \message{\@bidi@info}
1873 \edef\bidi@everyjob{\the\everyjob}
1874 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1875 \input iftex.sty
1876 \RequireXeTeX
1877 \newif\ifRTLmain
1878 \newif\if@RTL
1879 \newif\if@sentdir
1880 \newif\if@RTL@footnote
1881 \@RTLmainfalse
1882 \def\setRTLmain{%
1883   \if@RTLmain\else
1884     \if@RTL\@RTLmaintrue%
1885     \else\@RTLmainfalse%
1886     \fi%
1887   \fi%
1888 }
1889 \let\n@xt=\
1890 \protected\def\LRE{\protect\pLRE}%
1891 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1892 \protected\def\RLE{\protect\pRLE}
1893 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1894 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1895   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1896 \input plain-xetex-bidi.def
1897 \catcode`@=12

```

7.17 bidi2in1.sty

```

1898 \NeedsTeXFormat{LaTeX2e}
1899 \ProvidesPackage{bidi2in1}
1900 \pagestyle{plain}
1901 \newcount\evenpage
1902 \newcount\oddpge
1903 \twocolumn
1904 \def\@oddfoot{\evenpage=\thepage%
1905 \multiply\evenpage by 2%
1906 \oddpge=\the\evenpage%
1907 \advance\oddpge by -1%
1908 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1909 \def\@evenfoot{\evenpage=\thepage%
1910 \multiply\evenpage by 2%

```



```

1911 \oddpaper=\the\evenpage%
1912 \advance\oddpaper by -1%
1913 \hfil\the\oddpaper\hfil\hfil\the\evenpage\hfil}%
1914 \textwidth 9.49in
1915 \textheight 6.7in
1916 \columnsep 0.9in
1917 \columnseprule 0.125pt
1918 \headheight 0cm
1919 \topmargin 0in
1920 \marginparwidth 0in
1921 \marginparsep 0in
1922 \hoffset 0.05in % Corrected
1923 \voffset -0.5in %top margin space is 1.0in by default
1924 \oddsidemargin 0in
1925 \evensidemargin 0in
1926 \headsep 0cm
1927 \topskip 0cm
1928 \parskip 0.15in %
1929 \headsep 0pt
1930 \special{papersize=11.69in,8.26in}
1931 \renewcommand\maketitle{\par
1932 \begingroup
1933 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1934 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1935 \long\def\@makefntext##1{\parindent 1em\noindent
1936 \hb@xt@1.8em{%
1937 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1938 \maketitle
1939 \@thanks
1940 \endgroup
1941 \setcounter{footnote}{0}%
1942 \global\let\thanks\relax
1943 \global\let\maketitle\relax
1944 \global\let\@maketitle\relax
1945 \global\let\@thanks\@empty
1946 \global\let\@author\@empty
1947 \global\let\@date\@empty
1948 \global\let\@title\@empty
1949 \global\let\title\relax
1950 \global\let\author\relax
1951 \global\let\date\relax
1952 \global\let\and\relax
1953 }

```

7.18 **bidicode.sty**

```

1954 \NeedsTeXFormat{LaTeX2e}
1955 \ProvidesPackage{bidicode}
1956 \RequirePackage{xcolor}
1957 \RequirePackage{showexpl}

```



```

1958 \definecolor{hellgelb}{rgb}{1,1,0.85}
1959 \definecolor{colKeys}{rgb}{0,0,1}
1960 \definecolor{colIdentifier}{rgb}{0,0,0}
1961 \definecolor{colComments}{rgb}{1,0,0}
1962 \definecolor{colString}{rgb}{0,0.5,0}
1963 \lstset{
1964     language=[LaTeX]TEX,
1965     float=hb,
1966     basicstyle=\ttfamily\small,
1967     identifierstyle=\color{colIdentifier},
1968     keywordstyle=\color{colKeys},
1969     stringstyle=\color{colString},
1970     commentstyle=\color{colComments},
1971     columns=flexible,
1972     tabsize=4,
1973     gobble =1,
1974     extendedchars=true,
1975     showspace=false,
1976     showstringspaces=false,
1977     numbers=left,
1978     numbersep=0.9em,
1979     numberstyle=\tiny, %
1980     frame=single,
1981     captionpos=b,
1982     xleftmargin=1em,
1983     breaklines=true,
1984     breakautoindent=false,
1985     breakindent=0pt,
1986     escapeinside=**,
1987     pos=r,
1988     explpreset={%
1989     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1990     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1991 }
1992 \newcommand\HLON{%
1993     \gdef\lst@alloverstyle##1{%
1994         \fboxrule=0pt
1995         \fboxsep=0pt
1996         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1997     }}
1998 \newcommand\HLOFF{%
1999     \xdef\lst@alloverstyle##1{##1}%
2000 }
2001 \newcommand\Larg [1]{\normalfont\itshape#1\}
2002 \newcommand\Larga [1]{\angle$\Larg{#1}$\rangle$}
2003 \newcommand\Largb [1]{\lcb\Larg{#1}\rcb}
2004 \newcommand\Largs [1]{\lsb\Larg{#1}\rsb}
2005 \newcommand\Largr [1]{\lrb\Larg{#1}\rrb}
2006 \newcommand\LBEG [1]{\normalfont\ttfamily\bs{ }begin\lcb#1\rcb}
2007 \newcommand\LEND [1]{\normalfont\ttfamily\bs{ }end\lcb#1\rcb}

```



```

2008
2009 \DeclareRobustCommand\bs{{\normalfont\ttfamily\symbol{92}}}}
2010 \DeclareRobustCommand\lcb{{\normalfont\ttfamily\char`{}}}}
2011 \DeclareRobustCommand\rcb{{\normalfont\ttfamily\char`}}}}
2012 \DeclareRobustCommand\lsb{{\normalfont\ttfamily[]}}
2013 \DeclareRobustCommand\rsb{{\normalfont\ttfamily[]}}
2014 \DeclareRobustCommand\lrb{{\normalfont\ttfamily{}}}
2015 \DeclareRobustCommand\rrb{{\normalfont\ttfamily)}}}
2016
2017 \def\Lcs#1{\nxLcs{#1}}
2018 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2019 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2020
2021 \def\Coordx#1{${x}_{#1}$}
2022 \def\Coordy#1{${y}_{#1}$}
2023 \def\Coordz#1{${z}_{#1}$}
2024 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2025 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2026 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2027 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
2028 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2029 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2030 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2031 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2032 \def\coordx#1{(${x}_{#1}$)}
2033 \def\coordy#1{(${y}_{#1}$)}
2034 \def\coordz#1{(${z}_{#1}$)}
2035 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
2036 \def\ciiiiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2037
2038 \newsavebox{\boxdef}
2039 \newenvironment{BDef}
2040   {\begin{lrbox}\boxdef
2041     \def\arraystretch{1.0}
2042     \begin{tabular}{@{}l@{}l@{}l@{}}
2043   }
2044   {\end{tabular}\end{lrbox}}
2045
2046   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2047   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2048 }
2049
2050 \newenvironment{BDef*}
2051   {\begin{lrbox}\boxdef
2052     \def\arraystretch{1.0}
2053     \begin{tabular}{@{}l@{}l@{}l@{}}
2054   }
2055   {\end{tabular}\end{lrbox}}
2056   {\begin{BCmd*}\fbbox{\usebox\boxdef}\endBCmd*}}
2057   \aftergroup\@afterindentfalse\aftergroup\@afterheading

```



```

2058 }
2059 \newenvironment{BCmd}{
2060   \@beginparpenalty-\@lowpenalty
2061   \topsep\BDefaboveskip
2062   \fboxsep3pt
2063   \flushleft}
2064 {\@endparpenalty\@M
2065   \@topsepadd\BDefbelowskip
2066   \endflushleft}
2067
2068 \newenvironment{BCmd*}{
2069   \@beginparpenalty\@M
2070   \topsep\BDefinlineskip
2071   \fboxsep3pt
2072   \flushleft}
2073 {\@endparpenalty5000
2074   \endflushleft}
2075
2076 \newskip\BDefaboveskip
2077 \newskip\BDefbelowskip
2078 \newskip\BDefinlineskip
2079 \setlength\BDefaboveskip{10pt plus 4pt}
2080 \setlength\BDefbelowskip{6pt}
2081 \setlength\BDefinlineskip{6pt}
2082
2083 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2084 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2085 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2086 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

7.19 bidi_{ftn}xtra.sty

```

2087 \NeedsTeXFormat{LaTeX2e}
2088 \ProvidesPackage{bidiftnxtra}
2089 \newtoks\bidip@ftn
2090 \let\FN@sffootnote\footnote
2091 \let\FN@sff@LTRfootnote\LTRfootnote
2092 \let\FN@sff@RTLfootnote\RTLfootnote
2093 \def\footnote{\ifx\protect\@typeset@protect
2094   \expandafter\FN@sffootnote
2095   \else
2096     \expandafter\FN@sff@gobble@opt
2097   \fi
2098 }
2099 \def\LTRfootnote{\ifx\protect\@typeset@protect
2100   \expandafter\FN@sff@LTRfootnote
2101   \else
2102     \expandafter\FN@sff@gobble@opt
2103   \fi
2104 }

```



```

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

```




```

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

```



```

2205     \@fpsadddefault
2206 \else
2207     \ifx \@fps \@empty
2208     \@fpsadddefault
2209     \fi
2210 \fi
2211 \ifhmode
2212     \@bsphack
2213     \@floatpenalty -\@Mii
2214 \else
2215     \@floatpenalty-\@Miii
2216 \fi
2217 \ifinner
2218     \@parmoderr\@floatpenalty\z@
2219 \else
2220     \@next\@currbox\@freelist
2221     {%
2222     \@tempcnta \sixt@@n
2223     \expandafter \@tfor \expandafter \reserved@a
2224     \expandafter :\expandafter =\@fps
2225     \do
2226     {%
2227         \if \reserved@a h%
2228             \ifodd \@tempcnta
2229             \else
2230                 \advance \@tempcnta \@ne
2231             \fi
2232         \fi
2233         \if \reserved@a t%
2234             \@setfpsbit \tw@
2235         \fi
2236         \if \reserved@a b%
2237             \@setfpsbit 4%
2238         \fi
2239         \if \reserved@a p%
2240             \@setfpsbit 8%
2241         \fi
2242         \if \reserved@a !%
2243             \ifnum \@tempcnta>15
2244                 \advance\@tempcnta -\sixt@@n\relax
2245             \fi
2246         \fi
2247     }%
2248     \@tempcntb \csname ftype@\@capttype \endcsname
2249     \multiply \@tempcntb \@xxxii
2250     \advance \@tempcnta \@tempcntb
2251     \global \count\@currbox \@tempcnta
2252     }%
2253     \@fltovf
2254 \fi

```



```

2255 \global \setbox\@currbox
2256 \color@vbox
2257 \normalcolor
2258 \vbox \bgroup
2259 \let\@footnotetext\@bidi@p@ftntext
2260 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2261 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2262 \let\@xfootnotenext\@bidi@p@xftntext
2263 \let\@xfootnote\@bidi@p@xfootnote
2264 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2265 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2266 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2267 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2268 \hsize\columnwidth
2269 \@parboxrestore
2270 \@floatboxreset
2271 }
2272 \def \endfloatbox{%
2273 \par\vskip\z@skip %% \par\vskip\z@ added 15 Dec 87
2274 \@minipagefalse
2275 \outer@nobreak
2276 \egroup %% end of vbox
2277 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2278 \color@endbox
2279 }

```

7.20 bidi-longtable.sty

```

2280 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
2281 \def\longtable{\if@RTL\@RTLtabtrue\fi%
2282 \par
2283 \ifx\multicols\@undefined
2284 \else
2285 \ifnum\col@number>\@ne
2286 \@twocolumntrue
2287 \fi
2288 \fi
2289 \if@twocolumn
2290 \LT@err{longtable not in 1-column mode}\@ehc
2291 \fi
2292 \begingroup
2293 \@ifnextchar[\LT@array{\LT@array[x]}}
2294 \def\endlongtable{%
2295 \crrr
2296 \noalign{%
2297 \let\LT@entry\LT@entry@chop
2298 \xdef\LT@save@row{\LT@save@row}}}%
2299 \LT@echunk
2300 \LT@start
2301 \unvbox\z@

```



```

2302 \LT@get@widths
2303 \if@filesw
2304   {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2305     \gdef\expandafter\noexpand
2306       \csname LT@\romannumeral\c@LT@tables\endcsname
2307       {\LT@save@row}}}%
2308 \fi
2309 \ifx\LT@save@row\LT@@save@row
2310 \else
2311   \LT@warn{Column \width s have changed\MessageBreak
2312     in table \thetable}%
2313   \LT@final@warn
2314 \fi
2315 \endgraf\penalty -\LT@end@pen
2316 \endgroup
2317 \global\@mparbottom\z@
2318 \pagegoal\vsizel
2319 \endgraf\penalty\z@\addvspace\LTpost
2320 \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2321 \def\LT@output{%
2322   \ifnum\outputpenalty <-\@Mi
2323     \ifnum\outputpenalty > -\LT@end@pen
2324       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2325     \else
2326       \setbox\z@\vbox{\unvbox\@cclv}%
2327       \ifdim \ht\LT@lastfoot>\ht\LT@foot
2328         \dimen@ \pagegoal
2329         \advance\dimen@-\ht\LT@lastfoot
2330         \ifdim\dimen@<\ht\z@
2331           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2332           \@makecol
2333           \@outputpage
2334           \setbox\z@\vbox{\box\LT@head}%
2335         \fi
2336       \fi
2337       \global\@colroom\@colht
2338       \global\vsizel\@colht
2339       \vbox
2340         {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastf
2341         \fi
2342       \else
2343         \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RTLta
2344         \@makecol
2345         \@outputpage
2346         \global\vsizel\@colroom
2347         \copy\LT@head\nobreak
2348       \fi}

```

7.21 bidimoderncv.cls



```

2349 \NeedsTeXFormat{LaTeX2e}
2350 \ProvidesClass{bidimoderncv}
2351 \newif\if@DEBUG\@DEBUGfalse
2352 \DeclareOption{a4paper}{
2353   \setlength\paperheight{297mm}
2354   \setlength\paperwidth{210mm}}
2355 \DeclareOption{a5paper}{
2356   \setlength\paperheight{210mm}
2357   \setlength\paperwidth{148mm}}
2358 \DeclareOption{b5paper}{
2359   \setlength\paperheight{250mm}
2360   \setlength\paperwidth{176mm}}
2361 \DeclareOption{letterpaper}{
2362   \setlength\paperheight{11in}
2363   \setlength\paperwidth{8.5in}}
2364 \DeclareOption{legalpaper}{
2365   \setlength\paperheight{14in}
2366   \setlength\paperwidth{8.5in}}
2367 \DeclareOption{executivepaper}{
2368   \setlength\paperheight{10.5in}
2369   \setlength\paperwidth{7.25in}}
2370 \DeclareOption{landscape}{
2371   \setlength\@tempdima{\paperheight}
2372   \setlength\paperheight{\paperwidth}
2373   \setlength\paperwidth{\@tempdima}}
2374 \newcommand\@ptsize{}
2375 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2376 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2377 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2378 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2379 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2380 \newif\if@colour\@colourtrue
2381 \DeclareOption{nocolour}{\@colourfalse}
2382 \ExecuteOptions{a4paper,11pt,colour,final}
2383 \ProcessOptions\relax
2384 \input{size1\@ptsize.clo}
2385 \RequirePackage{color}
2386 \RequirePackage{graphicx}
2387 \RequirePackage{ifthen}
2388 \RequirePackage{marvosym}
2389 \addtolength{\oddsidemargin}{-54pt}
2390 \addtolength{\textwidth}{109pt}
2391 \addtolength{\topmargin}{-70pt}
2392 \addtolength{\textheight}{122pt}
2393 \addtolength{\marginparsep}{-5pt}
2394 \addtolength{\marginparwidth}{-10pt}
2395 \RequirePackage{url}
2396 \RequirePackage{hyperref}
2397 \hypersetup{
2398   breaklinks,

```



```

2399 baseurl      = http://,%
2400 pdfborder    = 0 0 0,%
2401 pdfpagemode  = UseNone,%
2402 pdfstartpage = 1}
2403 \AtEndOfClass{%
2404 \AtBeginDocument{%
2405 \hypersetup{%
2406 pdfauthor    = \@firstname~\@familyname,%
2407 pdftitle     = \@title,%
2408 pdfsubject   = \@firstname~\@familyname,%
2409 pdfkeywords  = \@resumename~\@firstname~\@familyname}}}
2410 \urlstyle{tt}
2411 \RequirePackage{fancyhdr}
2412 \fancypagestyle{plain}{%
2413 \renewcommand{\headrulewidth}{0pt}
2414 \renewcommand{\footrulewidth}{0pt}
2415 \fancyhf{}}
2416 \pagestyle{plain}
2417 \setlength\lineskip{1\p@}
2418 \setlength\normallineskip{1\p@}
2419 \renewcommand\baselinestretch{}
2420 \setlength{\parindent}{0pt}
2421 \setlength{\parskip}{0pt}
2422 \setlength\columnsep{10\p@}
2423 \setlength\columnseprule{0\p@}
2424 \pagestyle{empty}
2425 \pagenumbering{arabic}
2426 \raggedbottom
2427 \onecolumn
2428 \providecommand*\listitemsymbol{\textbullet}
2429 \providecommand*\addresssymbol{}
2430 \providecommand*\mobilesymbol{\Mobilefone}
2431 \providecommand*\phonesymbol{\Telefon}
2432 \providecommand*\faxsymbol{\FAX}
2433 \providecommand*\emailsymbol{\Letter}
2434 \definecolor{firstnamedcolor}{rgb}{0,0,0}
2435 \def\firstnamedcolor#1{\gdef\@firstnamedcolor{\addfontfeature{Color=#1}}}
2436 \def\familynamedcolor#1{\gdef\@familynamedcolor{\addfontfeature{Color=#1}}}
2437 \def\titlecolor#1{\gdef\@titlecolor{\addfontfeature{Color=#1}}}
2438 \def\addresscolor#1{\gdef\@addresscolor{\addfontfeature{Color=#1}}}
2439 \def\quotecolor#1{\gdef\@quote\color{\addfontfeature{Color=#1}}}
2440 \def\sectiontitlecolor#1{\gdef\@sectiontitlecolor{\addfontfeature{Color=#1}}}
2441 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2442 \def\subsectioncolor#1{\gdef\@subsectioncolor{\addfontfeature{Color=#1}}}
2443 \def\hintcolor#1{\gdef\@hintcolor{\addfontfeature{Color=#1}}}
2444 \providecommand*\firstnamedfont{}
2445 \providecommand*\familynamedfont{}
2446 \providecommand*\titlefont{}
2447 \providecommand*\addressfont{}
2448 \providecommand*\quote\font{}

```



```

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

```



```

2499 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2500 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2501 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2502 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2503 \renewcommand{\headwidth}{\textwidth}%
2504 \recomputethemelengths}
2505 \setlength{\hintscolumnwidth}{0.15\textwidth}
2506 \recomputelengths
2507 \title{}
2508 \renewcommand*{\maketitle}{}
2509 \newcommand*{\section}[1]{%
2510 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2511 \phantomsection}%
2512 \addcontentsline{toc}{part}{#1}%
2513 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangleco
2514 \hspace{\separatorcolumnwidth}%
2515 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\}[1ex]}
2516 \newcommand*{\subsection}[1]{%
2517 \cvline[0.45em]{\subsectionstyle{#1}}
2518 \newcommand*{\cvline}[3][.25em]{%
2519 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@
2520 \bidi@raggedleft\hintfont{#2} &{#3}%
2521 \end{tabular}}\}[#1]}
2522 \newcommand*{\cvdoubleitem}[4]{%
2523 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2524 \hfill%
2525 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\se
2526 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2527 \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}
2528 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2529 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2530 \hfill%
2531 \ifthenelse{\equal{#3}{}}{
2532 {}%
2533 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}{
2534 \newcommand*{\cventry}[6]{%
2535 \cvline{#1}{%
2536 {\bfseries#2}%
2537 \ifx#3\else{, {\slshape#3}}\fi%
2538 \ifx#4\else{, #4}\fi%
2539 \ifx#5\else{, #5}\fi%
2540 .%
2541 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2542 }%
2543 \newcommand*{\cvlanguage}[3]{%
2544 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{m
2545 \newcommand*{\cvcomputer}[4]{%
2546 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2547 \newcommand*{\link}[2][ ]{%
2548 \ifthenelse{\equal{#1}{}}{

```




```

2549     {\href{#2}{#2}}%
2550     {\href{#2}{#1}}%
2551 \newcommand*{\httplink}[2][\{%
2552   \ifthenelse{\equal{#1}{}}{%
2553     {\href{http://#2}{#2}}%
2554     {\href{http://#2}{#1}}%
2555 \newcommand*{\emailink}[2][\{%
2556   \ifthenelse{\equal{#1}{}}{%
2557     {\href{mailto:#2}{#2}}%
2558     {\href{mailto:#2}{#1}}%
2559 \newif\if@displaypagenumbers\@displaypagenumberstrue
2560 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2561 \AtBeginDocument{%
2562   \if@displaypagenumbers%
2563     \ifundefined{r@lastpage}{\{%
2564       \ifthenelse{\pageref{lastpage} > 1}{%
2565         \fancypagestyle{plain}{%
2566           \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref
2567             \pagestyle{plain}}}%
2568     \AtEndDocument{\label{lastpage}}%
2569     \fi}
2570 \newlength{\bibindent}
2571 \setlength{\bibindent}{1.5em}
2572 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2573 \newenvironment{thebibliography}[1]{%
2574   {%
2575     \section{\refname}%
2576     \small%
2577     \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
2578     \begin{list}{\bibliographyitemlabel}%
2579       {%
2580         \setlength{\topsep}{0pt}%
2581         \setlength{\labelwidth}{\hintscolumnwidth}%
2582         \setlength{\labelsep}{\separatorcolumnwidth}%
2583         \leftmargin\labelwidth%
2584         \advance\leftmargin\labelsep%
2585         \@openbib@code%
2586         \usecounter{enumiv}%
2587         \let\p@enumiv\@empty%
2588         \renewcommand\theenumiv{\@arabic{c@enumiv}}%
2589         \sloppy\clubpenalty4000\widowpenalty4000%
2590       }%
2591     {%
2592       \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2593       \end{list}%
2594     }
2595 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2596 \let\@openbib@code\@empty

```



7.22 biditools.sty

```

2597 \NeedsTeXFormat{LaTeX2e}
2598 \ProvidesPackage{biditools}[2015/11/14 v0.8 Programming tools for bidi package]
2599 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2600   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2601   \ifx\@tempa\@tempb \global\let#2#1%
2602   \else
2603     \edef\@tempb{\meaning#2}%
2604     \ifx\@tempa\@tempb
2605       \else
2606         \@latex@error{Unable to properly define \string#2; primitive
2607           \noexpand#1no longer primitive}\@eha
2608       \fi
2609     \fi
2610   \endgroup}
2611 \newtoks\@bidi@envbody
2612 \newtoks\@bidi@emptytoks
2613 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2614 \def\bidi@collect@body#1{%
2615   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2616 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2617 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2618 \begingroup
2619 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@@body
2620 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2621 \bidi@process@envbody
2622 }
2623 \def\bidi@push@begins#1\begin#2{%
2624   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2625 }
2626 \def\bidi@collect@@body#1\end#2{%
2627   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2628   \ifx\@empty\begin@bidi@stack
2629     \endgroup
2630     \@checkend{#2}%
2631     \bidi@addto@envbody{#1}%
2632   \else
2633     \bidi@addto@envbody{#1\end{#2}}%
2634   \fi
2635   \bidi@process@envbody % A little tricky! Note the grouping
2636 }
2637 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2638 \long\def\bidi@collect@long@body#1{%
2639   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2640 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2641 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2642 \begingroup
2643 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@@body
2644 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%

```



```

2645 \bidi@process@envbody
2646 }
2647 \long\def\bidi@push@long@begins#1\begin#2{%
2648 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2649 }
2650 \long\def\bidi@collect@long@@body#1\end#2{%
2651 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@sta
2652 \ifx\@empty\begin@bidi@stack
2653 \endgroup
2654 \@checkend{#2}%
2655 \bidi@addto@long@envbody{#1}%
2656 \else
2657 \bidi@addto@long@envbody{#1\end{#2}}%
2658 \fi
2659 \bidi@process@envbody % A little tricky! Note the grouping
2660 }
2661 \long\def\bidi@new@ifnextchar#1#2#3{%
2662 \let\reserved@d= #1%
2663 \def\reserved@a{#2}\def\reserved@b{#3}%
2664 \futurelet\@let@token\bidi@new@ifnch
2665 }
2666 \def\bidi@new@ifnch{%
2667 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2668 \reserved@b
2669 }
2670 \def\bidi@matrix@check#1{%
2671 \expandafter\ifx\csname\@currenvir\endcsname#1%
2672 \else\bidi@matrix@error#1%
2673 \expandafter\@gobble
2674 \fi
2675 }
2676 \def\bidi@matrix@error#1{%
2677 \PackageError{biditools}{%
2678 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2679 }{%
2680 '\string#1{...}' is old bidi package syntax whose use is
2681 ill-advised in the old versions of bidi package.%
2682 }%
2683 }
2684 \def\@tagsextension{clo}
2685 \def\@definitionfileextension{def}
2686 \def\@texfileextension{tex}
2687 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2688 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2689 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2690 \def\eqnewif#1#2{%
2691 \count@ \escapechar \escapechar \m@ne
2692 \let#1\iffalse
2693 \let#2\iffalse
2694 \eq@if#1#2\iftrue

```



```

2695 \eq@if#1#2\iffalse
2696 \escapechar\count@}
2697 \def\eq@if#1#2#3{%
2698 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2699 \expandafter\@gobbletwo\string#3\endcsname
2700 {\let#1#3%
2701 \let#2#3}%
2702 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2703 \expandafter\@gobbletwo\string#3\endcsname
2704 {\let#2#3%
2705 \let#1#3}}
2706 \def\@bidi@removefromreset#1#2{%
2707 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2708 \def\@elt##1{%
2709 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2710 \else
2711 \noexpand\@elt{##1}%
2712 \fi}%
2713 \expandafter\xdef\csname cl@#2\endcsname{%
2714 \csname cl@#2\endcsname}}
2715 \newcommand*{\if@bidi@csdef}[1]{%
2716 \ifcsname#1\endcsname
2717 \expandafter\@firstoftwo
2718 \else
2719 \expandafter\@secondoftwo
2720 \fi}
2721 \newcommand*{\if@bidi@csundef}[1]{%
2722 \ifcsname#1\endcsname
2723 \expandafter\ifx\csname#1\endcsname\relax
2724 \expandafter\expandafter
2725 \expandafter\@firstoftwo
2726 \else
2727 \expandafter\expandafter
2728 \expandafter\@secondoftwo
2729 \fi
2730 \else
2731 \expandafter\@firstoftwo
2732 \fi}
2733 \newcommand{\if@bidi@def}[1]{%
2734 \ifdefined#1%
2735 \expandafter\@firstoftwo
2736 \else
2737 \expandafter\@secondoftwo
2738 \fi}
2739 \newcommand{\if@bidi@undef}[1]{%
2740 \ifdefined#1%
2741 \ifx#1\relax
2742 \expandafter\expandafter
2743 \expandafter\@firstoftwo
2744 \else

```



```

2745 \expandafter\expandafter
2746 \expandafter\@secondoftwo
2747 \fi
2748 \else
2749 \expandafter\@firstoftwo
2750 \fi}
2751 \newcommand{\if@bidi@blank}[1]{% from url.sty
2752 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2753 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2754 \newcommand{\bidi@notblank}[1]{%
2755 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2756 \newcommand{\if@bidi@defmacro}{%
2757 \long\edef\if@bidi@defmacro#1{%
2758 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2759 \noexpand\meaning#1\detokenize{macro}:&}
2760 \edef\bidi@ifdefmacro{%
2761 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
2762 \bidi@ifdefmacro{\bidi@notblank{#2}}
2763 \newcommand*{\if@bidi@csmacro}[1]{%
2764 \if@bidi@csdef{#1}
2765 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2766 {\@secondoftwo}}
2767 \newcommand{\if@bidi@defprimitive}[1]{%
2768 \ifprimitive#1%
2769 \expandafter\@firstoftwo
2770 \else
2771 \expandafter\@secondoftwo
2772 \fi}
2773 \newcommand{\if@bidi@csprimitive}[1]{%
2774 \begingroup\expandafter\expandafter\expandafter\endgroup%
2775 \expandafter\ifprimitive\csname#1\endcsname%
2776 \expandafter\@firstoftwo
2777 \else
2778 \expandafter\@secondoftwo
2779 \fi}
2780 \newcommand*{\bidi@csdefcs}[2]{%
2781 \expandafter\@ifdefinable \csname#1\endcsname{%
2782 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2783 \newcommand*{\bidi@csletcs}[2]{%
2784 \expandafter\@ifdefinable \csname#1\endcsname{%
2785 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2786 \newcommand*{\bidi@cslet}[2]{%
2787 \expandafter\@ifdefinable \csname#1\endcsname{%
2788 \expandafter\let\csname#1\endcsname#2}}
2789 \newcommand{\bidi@namelongdef}[1]{%
2790 \long\expandafter\def\csname #1\endcsname}
2791 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2792 \def\bidi@ensure@new@command#1{%
2793 \begingroup \escapechar\m@ne\xdef\@gtempa{{\string#1}}\endgroup
2794 \expandafter\if@bidi@csundef\@gtempa

```



```

2795     {\new@command#1}{\relax%
2796     \let\@ifdefinable\@rc@ifdefinable%
2797     \new@command#1}}
2798 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2799
2800 \protected\def\bidi@error{\PackageError{bidi}}
2801 \protected\def\bidi@warning{\PackageWarning{bidi}}
2802 \protected\def\bidi@info{\PackageInfo{bidi}}
2803
2804 \newcommand*{\bidi@newrobustcmd}{}
2805 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2806
2807 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2808
2809 \def\bidi@newcommand#1[#2]{%
2810     \ifnextchar[%
2811         {\bidi@xargdef#1[#2]}
2812         {\ifx\l@ngrel@x\relax
2813             \let\l@ngrel@x\protected
2814             \else
2815                 \protected\def\l@ngrel@x{\protected\long}%
2816             \fi
2817             \@argdef#1[#2]}}
2818
2819 \long\def\bidi@xargdef#1[#2][#3]#4{%
2820     \@ifdefinable#1{%
2821         \expandafter\protected
2822         \expandafter\def
2823         \expandafter#1%
2824         \expandafter{%
2825             \expandafter\@testopt
2826             \csname\string#1\endcsname{#3}}%
2827         \expandafter\@yargdef\csname\string#1\endcsname\tw#{#2}{#4}}}
2828
2829 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2830
2831 \def\bidi@renew@command#1{%
2832     \if@bidi@undef{#1}
2833         {\bidi@error{\string#1 undefined}\@ehc}
2834         {}%
2835     \let\@ifdefinable\@rc@ifdefinable
2836     \bidi@new@command#1}
2837
2838
2839
2840 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2841
2842 \def\bidi@provide@command#1{%
2843     \if@bidi@undef{#1}
2844         {\def\reserved@a{\bidi@new@command#1}}

```



```

2845     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2846     \reserved@a}
2847
2848 \newcommand*{\bidi@csuse}[1]{%
2849     \ifcsname#1\endcsname
2850     \csname#1\expandafter\endcsname
2851     \fi}
2852
2853 \newcommand{\bidi@expandonce}[1]{%
2854     \unexpanded\expandafter{#1}}
2855
2856 \def\bidi@protected{%
2857     \let\@protect\protect
2858     \let\protect\@unexpandable@protect
2859     \afterassignment\restore@protect}
2860
2861 \bidi@newrobustcmd{\bidi@appto}[2]{%
2862     \if@bidi@undef{#1}
2863         {\edef#1{\unexpanded{#2}}}
2864         {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2865 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2866     \if@bidi@undef{#1}
2867         {\edef#1{#2}}
2868         {\edef#1{\bidi@expandonce#1#2}}}
2869 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2870     \if@bidi@undef{#1}
2871         {\xdef#1{\unexpanded{#2}}}
2872         {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2873 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2874     \if@bidi@undef{#1}
2875         {\xdef#1{#2}}
2876         {\xdef#1{\bidi@expandonce#1#2}}}
2877
2878 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2879 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2880
2881
2882
2883 \bidi@newrobustcmd{\bidi@preto}[2]{%
2884     \if@bidi@undef{#1}
2885         {\edef#1{\unexpanded{#2}}}
2886         {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2887 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2888     \if@bidi@undef{#1}
2889         {\edef#1{#2}}
2890         {\edef#1{#2\bidi@expandonce#1}}}
2891 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2892     \if@bidi@undef{#1}
2893         {\xdef#1{\unexpanded{#2}}}
2894         {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}

```



```

2895 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2896   \if@bidi@undef{#1}
2897     {\xdef#1{#2}}
2898     {\xdef#1{#2\bidi@expandonce#1}}}
2899
2900 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2901 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2902
2903
2904
2905 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2906 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2907 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2908 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2909 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2910 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2911
2912
2913
2914 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2915 \bidi@newrobustcmd*{\bidi@cssepreto}[1]{\expandafter\bidi@sepreto\csname#1\endcsname}
2916 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2917 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2918 \bidi@newrobustcmd*{\bidi@protected@cssepreto}{\bidi@protected\bidi@cssepreto}
2919 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2920
2921
2922
2923 \bidi@newrobustcmd{\if@bidi@patchable}{%
2924   \bidi@dbg@trce\if@bidi@patchable
2925   \begingroup
2926   \@makeother\#%
2927   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2928
2929 \long\def\bidi@ifpatchable#1#2{%
2930   \endgroup
2931   \bidi@dbg@init#1%
2932   \if@bidi@undef{#1}
2933     {\bidi@dbg@fail{def}\@secondoftwo}
2934     {\bidi@dbg@info{def}%
2935       \if@bidi@defmacro{#1}
2936         {\bidi@dbg@info{mac}%
2937           \bidi@ifscanable{#1}
2938             {\bidi@ifhashcheck{#2}
2939               {\bidi@dbg@info{tok}%
2940                 \bidi@ifpattern#1{#2}
2941                 {\bidi@dbg@info{pat}%
2942                   \bidi@dbg@info{pos}\@firstoftwo}
2943                   {\bidi@dbg@fail{pat}\@secondoftwo}}
2944               {\bidi@dbg@fail{hsh}\@secondoftwo}}

```




```

2945         {\bidi@dbg@fail{tok}\@secondoftwo}}
2946     {\bidi@dbg@fail{mac}\@secondoftwo}}
2947
2948 \long\def\bidi@ifpatchable@i#1{%
2949     \endgroup
2950     \bidi@dbg@init#1%
2951     \if@bidi@undef{#1}
2952         {\bidi@dbg@fail{def}\@secondoftwo}
2953         {\bidi@dbg@info{def}%
2954         \if@bidi@defmacro{#1}
2955             {\bidi@dbg@info{mac}%
2956             \if@bidi@defparam{#1}
2957                 {\bidi@dbg@info{prm}%
2958                 \bidi@ifscanable{#1}
2959                     {\bidi@dbg@info{tok}%
2960                     \bidi@dbg@info{pos}\@firstoftwo}
2961                     {\bidi@dbg@fail{tok}\@secondoftwo}}
2962                 {\bidi@dbg@info{prl}%
2963                 \if@bidi@defprotected{#1}
2964                     {\bidi@dbg@info{pro}}
2965                     {}%
2966                 \bidi@dbg@info{pos}\@firstoftwo}}
2967             {\bidi@dbg@fail{mac}\@secondoftwo}}}}
2968
2969 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2970     \bidi@dbg@trce\bidi@patchcmd
2971     \begingroup
2972     \@makeother\#%
2973     \bidi@@patchcmd}
2974
2975 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2976     \bidi@ifpatchable#2{#3}
2977         {\bidi@dbg@succ{ret}%
2978         \begingroup
2979         \edef\bidi@resrvda{%
2980             \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2981                 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2982             \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2983                 ####1\detokenize{#4}####2}%
2984             \edef\noexpand\bidi@resrvda{%
2985                 \noexpand\bidi@resrvda\meaning#2&}}%
2986         \bidi@resrvda
2987         \bidi@patchcmd@scantoks\bidi@resrvda
2988         \let#2\bidi@resrvda
2989         \bidi@undef\bidi@resrvda
2990         \@firstoftwo}
2991     {\@secondoftwo}}
2992
2993 \def\bidi@patchcmd@scantoks#1{%
2994     \edef\bidi@resrvda{\endgroup

```



```

2995 \unexpanded{\makeatletter\scantokens}{#1}%
2996 \catcode\number`\@=\the\catcode`\@ \relax}%
2997 \bidi@resrvda}
2998
2999 \newcommand\bidi@isloaded[2][ ]{
3000 \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
3001 \expandafter\newif\csname if@bidi@#2loaded@\endcsname
3002 \fi
3003 \@ifpackageloaded{#2}
3004 {\csname @bidi@#2loaded@true\endcsname #1}
3005 {\csname @bidi@#2loaded@false\endcsname}}
3006
3007 \protected\def\bidi@ifscanable#1{%
3008 \begingroup
3009 \edef\bidi@resrvda{%
3010 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3011 ####1\def\string\bidi@resrvda####2{####3}}}%
3012 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3013 \bidi@resrvda
3014 \makeatletter
3015 \scantokens\expandafter{\bidi@resrvda}%
3016 \expandafter\endgroup\ifx#1\bidi@resrvda
3017 \expandafter\@firstoftwo
3018 \else
3019 \expandafter\@secondoftwo
3020 \fi}
3021
3022
3023 \protected\long\def\bidi@ifhashcheck#1{%
3024 \begingroup
3025 \edef\bidi@resrvda{\detokenize{#1}}}%
3026 \expandafter\endgroup
3027 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3028
3029 \edef\bidi@ifhashcheck@i#1&{%
3030 \noexpand\expandafter
3031 \noexpand\bidi@ifhashcheck@ii
3032 \noexpand\strip@prefix#1\string#\string#&}
3033
3034 \edef\bidi@ifhashcheck@ii{%
3035 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&{
3036 \bidi@ifhashcheck@ii{\if@bidi@blank{##2}}
3037
3038
3039 \protected\long\def\bidi@ifpattern#1#2{%
3040 \begingroup
3041 \edef\bidi@resrvda{%
3042 \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
3043 \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
3044 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda

```



```

3045 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3046 \noexpand\bidiresrvda}
3047 \bidiresrvda\@secondoftwo\@firstoftwo}
3048
3049
3050 \newcommand{\if@bidi@defparam}{%
3051 \long\edef\if@bidi@defparam#1{%
3052 \noexpand\expandafter\noexpand\bidifdefparam
3053 \noexpand\meaning#1\detokenize{macro}:->&}
3054 \edef\bidifdefparam{%
3055 \def\noexpand\bidifdefparam##1\detokenize{macro}:##2->##3&}
3056 \bidifdefparam{\bidinotblank{#2}}
3057
3058
3059 \newcommand{\if@bidi@defprotected}{%
3060 \long\edef\if@bidi@defprotected#1{%
3061 \noexpand\expandafter\noexpand\bidifdefprotected
3062 \noexpand\meaning#1\string\protected&}
3063 \edef\bidifdefprotected{%
3064 \def\noexpand\bidifdefprotected##1\string\protected##2&}
3065 \bidifdefprotected{\bidinotblank{#2}}
3066
3067
3068 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3069
3070 \let\bidi@dbg@trce\@gobble
3071 \let\bidi@dbg@init\@gobble
3072 \let\bidi@dbg@info\@gobble
3073 \let\bidi@dbg@succ\@gobble
3074 \let\bidi@dbg@fail\@gobble
3075
3076
3077
3078 \bidi@newrobustcmd*{\bidi@apptocmd}{%
3079 \bidi@dbg@trce\bidi@apptocmd
3080 \begingroup
3081 \@makeother\#%
3082 \bidi@hooktocmd\bidi@append}
3083
3084
3085
3086 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3087 \bidi@dbg@trce\bidi@pretocmd
3088 \begingroup
3089 \@makeother\#%
3090 \bidi@hooktocmd\bidi@prepend}
3091
3092 \long\def\bidi@hooktocmd#1#2#3{%
3093 \endgroup
3094 \bidi@dbg@init#2%

```



```

3095 \if@bidi@undef{#2}
3096   {\bidi@dbg@fail{def}\@secondoftwo}
3097   {\bidi@dbg@info{def}%
3098     \if@bidi@defmacro{#2}
3099       {\bidi@dbg@info{mac}%
3100         \if@bidi@defparam{#2}
3101           {\bidi@dbg@info{prm}%
3102             \bidi@ifscanable{#2}
3103               {\bidi@ifhashcheck{#3}
3104                 {\bidi@dbg@info{tok}%
3105                   \bidi@dbg@succ{ret}%
3106                   \bidi@hooktocmd@i#1#2{#3}%
3107                   \@firstoftwo}
3108                 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3109               {\bidi@dbg@fail{tok}\@secondoftwo}}
3110             {\bidi@dbg@info{prl}%
3111               \if@bidi@defprotected{#2}
3112                 {\bidi@dbg@info{pro}%
3113                   \bidi@dbg@succ{red}%
3114                   \protected}
3115                 {\bidi@dbg@succ{red}}}%
3116             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3117             \@firstoftwo}}
3118           {\bidi@dbg@fail{mac}\@secondoftwo}}}}
3119
3120 \long\def\bidi@hooktocmd@i#1#2#3{%
3121   \begingroup
3122   \edef\bidi@resrvda{%
3123     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3124       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
3125     \edef\noexpand\bidi@resrvda{%
3126       \noexpand\bidi@resrvda\meaning#2&}}%
3127   \bidi@resrvda
3128   \bidi@patchcmd@scantoks\bidi@resrvda
3129   \let#2\bidi@resrvda
3130   \bidi@undef\bidi@resrvda}
3131
3132 \long\def\bidi@append#1#2{#1#2}
3133 \long\def\bidi@prepend#1#2{#2#1}
3134
3135 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3136 \newcommand*{\bidi@endpreamblehook}{}
3137
3138 \bidi@preto\document{%
3139   \endgroup
3140   \let\bidi@AtEndPreamble\@firstofone
3141   \bidi@endpreamblehook
3142   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3143   \bidi@undef\bidi@endpreamblehook
3144   \begingroup}

```



```

3145
3146 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3147 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3148
3149 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3150 \newcommand*{\bidi@afterendpreamblehook}{}
3151
3152 \bidi@appto\document{%
3153   \let\bidi@AfterEndPreamble\@firstofone
3154   \bidi@afterendpreamblehook
3155   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3156   \bidi@undef\bidi@afterendpreamblehook
3157   \ignorespaces}
3158
3159 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3160
3161 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
3162 \newcommand*{\bidi@afterenddocumenthook}{}
3163
3164 \bidi@patchcmd\enddocument
3165   {\deadcycles}
3166   {\let\bidi@AfterEndDocument\@firstofone
3167    \bidi@afterenddocumenthook
3168    \deadcycles}
3169   {}
3170   {\let\bidi@@end@@end
3171    \def@@end{%
3172      \let\bidi@AfterEndDocument\@firstofone
3173      \bidi@afterenddocumenthook
3174      \bidi@@end}}
3175
3176 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3177   \bidi@csgappto{\bidi@begin@#1@hook}}
3178
3179 \bidi@patchcmd\begin
3180   {\csname #1\endcsname}
3181   {\bidi@csuse{\bidi@begin@#1@hook}%
3182    \csname #1\endcsname}
3183   {}
3184   {\bidi@warning{%
3185     Patching '\string\begin' failed!\MessageBreak
3186     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3187
3188
3189
3190 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3191   \bidi@csgappto{\bidi@end@#1@hook}}
3192
3193 \bidi@patchcmd\end
3194   {\csname end#1\endcsname}

```



```

3195 {\bidi@csuse{@bidi@end@#1@hook}%
3196 \csname end#1\endcsname}
3197 {}
3198 {\bidi@warning{%
3199   Patching '\string\end' failed!\MessageBreak
3200   '\string\bidi@AtEndEnvironment' will not work@gobble}}
3201
3202
3203
3204 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3205   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3206
3207 \bidi@pretocmd\begin
3208   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3209   {}
3210   {\bidi@warning{%
3211     Patching '\string\begin' failed!\MessageBreak
3212     '\string\bidi@BeforeBeginEnvironment' will not work@gobble}}
3213
3214
3215
3216 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3217   \bidi@csgappto{@bidi@afterend@#1@hook}}
3218
3219 \bidi@patchcmd\end
3220   {\if@ignore}
3221   {\bidi@csuse{@bidi@afterend@#1@hook}%
3222    \if@ignore}
3223   {}
3224   {\bidi@warning{%
3225     Patching '\string\end' failed!\MessageBreak
3226     '\string\bidi@AfterEndEnvironment' will not work@gobble}}
3227
3228 \CheckCommand{\InputIfFileExists}[2]{%
3229   \IfFileExists{#1}%
3230     {#2\@addtofilelist{#1}\@input \@filef@und}}
3231
3232 \renewcommand{\InputIfFileExists}[2]{%
3233   \begingroup\expandafter\expandafter\expandafter\endgroup
3234   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3235     \expandafter\@secondoftwo
3236   \else
3237     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3238     \expandafter\@firstoftwo
3239   \fi
3240   {%
3241     \expandafter\InputIfFileExists\expandafter{\csname
3242       #1-@bidi@alias\endcsname}{#2}%
3243   }%
3244   {\IfFileExists{#1}{%

```



```

3245 \bidi@load@hook{before}{#1}%
3246 #2\@addtofilelist{#1}%
3247 \@@input \@filef@und
3248 \bidi@load@hook{after}{#1}%
3249 }}%
3250 }
3251
3252 \newcommand*{\bidi@loadwithoptions}{}
3253 \newcommand*{\bidi@loadwithoptions}{}
3254 \let\bidi@loadwithoptions\@loadwithoptions
3255
3256 \renewcommand*{\@loadwithoptions}[3]{%
3257 \begingroup\expandafter\expandafter\expandafter\endgroup
3258 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3259 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3260 \else
3261 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3262 \def\bidi@loadwithoptions{%
3263 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3264 }%
3265 \fi
3266 \bidi@loadwithoptions
3267 }
3268
3269 \newcommand*{\bidi@onefilewithoptions}{}
3270 \let\bidi@onefilewithoptions\@onefilewithoptions
3271 \def\bidi@onefilewithoptions#1[#2][#3]#4{%
3272 \begingroup\expandafter\expandafter\expandafter\endgroup
3273 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3274 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3275 \else
3276 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3277 \edef\bidi@onefilewithoptions{%
3278 \noexpand\bidi@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3279 \fi
3280 \bidi@onefilewithoptions[#{2}][#{3}]{#4}%
3281 \bidi@load@hook{lateafter}{#1.#4}%
3282 }
3283
3284 \newcommand*{\bidi@ReplaceInput}[2]{%
3285 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3286 }
3287
3288 \newcommand*{\bidi@UnReplaceInput}[1]{%
3289 \ifcsname #1-@bidi@alias\endcsname
3290 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3291 \fi
3292 }
3293
3294 \newcommand*{\@bidi@replacefilewithext}[3]{%

```



```

3295 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3296 }
3297 \newcommand*{\bidi@ReplacePackage}[2]{%
3298   \bidi@replacefilewithext{#1}{#2}\@pkgextension
3299 }
3300 \newcommand*{\bidi@ReplaceClass}[2]{%
3301   \bidi@replacefilewithext{#1}{#2}\@clsextension
3302 }
3303 \newcommand*{\bidi@Unreplacefilewithext}[2]{%
3304   \ifcsname #1.#2-@bidi@aliasname\endcsname
3305     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3306   \fi
3307 }
3308 \newcommand*{\bidi@UnReplacePackage}[1]{%
3309   \bidi@unreplacefilewithext{#1}\@pkgextension
3310 }
3311 \newcommand*{\bidi@UnReplaceClass}[1]{%
3312   \bidi@unreplacefilewithext{#1}\@clsextension
3313 }
3314 \newcommand*{\bidi@replacefile@msg}[2]{%
3315   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3316 }
3317
3318 \newcommand*{\bidi@load@hook}[2]{%
3319   \@ifundefined{#2-@#1}{}%
3320   \@nameuse{#2-@#1}%
3321   \expandafter\let\csname #2-@#1\endcsname=\relax}}
3322 \newcommand*{\bidi@set@load@hook}[2]{%
3323   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}}%
3324   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3325 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3326 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3327 \newcommand*{\bidi@BeforeClass}[1]{%
3328   \bidi@set@load@hook{before}{#1.\@clsextension}}
3329 \newcommand*{\bidi@AfterClass}{%
3330   \@ifstar {\@s@bidi@AfterClass}{%
3331     \@ifnextchar +\@@bidi@AfterClass{%
3332       \@ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3333     }%
3334   }%
3335 }
3336
3337 \newcommand*{\@@@bidi@AfterClass}[2]{%
3338   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3339     \aftergroup\@s@bidi@AfterClass
3340   \else
3341     \aftergroup\bidi@AfterAtEndOfClass
3342   \fi
3343   \endgroup{#2}%
3344 }

```




```

3345
3346 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3347   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3348 \newcommand*{\@@bidi@AfterClass}[2]{%
3349   \begingroup
3350     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3351       \aftergroup\@s@bidi@AfterClass
3352     \else
3353       \aftergroup\bidi@AfterClass
3354     \fi
3355   \endgroup{#2}%
3356 }
3357
3358 \newcommand*{\@bidi@AfterClass}[1]{%
3359   \bidi@set@load@hook{after}{#1.\@clsextension}}
3360 \newcommand*{\@s@bidi@AfterClass}[1]{%
3361   \begingroup
3362     \@ifclassloaded{#1}{%
3363       \aftergroup\@secondoftwo
3364     }{%
3365       \aftergroup\bidi@AfterClass
3366     }%
3367   \endgroup
3368   {#1}%
3369 }
3370
3371
3372 \newcommand*{\bidi@BeforePackage}[1]{%
3373   \bidi@set@load@hook{before}{#1.\@pkgextension}}
3374 \newcommand*{\bidi@AfterPackage}{%
3375   \@ifstar {\@s@bidi@AfterPackage}{%
3376     \@ifnextchar +\@@bidi@AfterPackage{%
3377       \@ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
3378     }%
3379   }%
3380 }
3381 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3382   \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3383     \aftergroup\@s@bidi@AfterPackage
3384   \else
3385     \aftergroup\bidi@AfterAtEndOfPackage
3386   \fi
3387   \endgroup{#2}%
3388 }
3389 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
3390   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3391 \newcommand*{\@@bidi@AfterPackage}[2]{%
3392   \begingroup
3393     \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3394     \aftergroup\@s@bidi@AfterPackage

```



```

3395 \else
3396 \aftergroup\@bidi@AfterPackage
3397 \fi
3398 \endgroup{#2}%
3399 }
3400 \newcommand*{\@bidi@AfterPackage}[1]{%
3401 \bidi@set@load@hook{after}{#1.\@pkgextension}}
3402 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3403 \beginingroup
3404 \@ifpackageloaded{#1}{%
3405 \aftergroup\@secondoftwo
3406 }{%
3407 \aftergroup\@bidi@AfterPackage
3408 }%
3409 \endgroup
3410 {#1}%
3411 }
3412
3413 \newcommand*{\bidi@excludedpackages}{}
3414 \let\bidi@excludedpackages\@empty
3415 \newcommand*{\bidi@s@ved@RequirePackage}{}
3416 \newcommand*{\bidi@PreventPackageFromLoading}{%
3417 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3418 {\@bidi@PreventPackageFromLoading\PackageWarning}%
3419 }
3420 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3421 \@ifnextchar [%]
3422 {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1 []}%
3423 }
3424 \newcommand*{\@bidi@PreventPackageFromLoading}{}
3425
3426 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3427 \edef\reserved@b{\zap@space#3 \@empty}%
3428 \ifx \reserved@b\@empty
3429 #1{bidiutils}{%
3430 \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3431 argument ignored%
3432 }%
3433 \else
3434 \ifx\bidi@excludedpackages\@empty
3435 \let\bidi@s@ved@RequirePackage\RequirePackage
3436 \let\RequirePackage\bidi@RequirePackage
3437 \def\reserved@a##1##{%
3438 \@latex@error
3439 {\noexpand \usepackage before \string\documentclass}%
3440 {\noexpand \usepackage may only appear in the document
3441 preamble, i.e.,\MessageBreak
3442 between \noexpand\documentclass and
3443 \string\begin{document}.}%
3444 \@gobble}%

```



```

3445 \ifx\reserved@a\usepackage\else
3446 \ifx\usepackage\bid@saved@RequirePackage\else
3447 \PackageWarning{biditools}{%
3448     Maybe serious problem: unexpected definition of\MessageBreak
3449     \string\usepackage
3450 }%
3451 \fi
3452 \let\usepackage\RequirePackage
3453 \fi
3454 \fi
3455 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3456 \reserved@b\do {%
3457     \ifx\reserved@a@empty
3458         #1{biditools}{%
3459             empty package argument for
3460             \string\bid@PreventPackageFromLoading\MessageBreak
3461             ignored%
3462         }%
3463     \else
3464         \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3465             #1{biditools}{%
3466                 package `reserved@a' already loaded.\MessageBreak
3467                 Cannot prevent it from being loaded%
3468             }%
3469         }{%
3470             \edef\bid@excludedpackages{\bid@excludedpackages,%
3471                 \reserved@a}%
3472             \if\relax\detokenize{#2}\relax\else
3473                 \@ifundefined{bid@exclude@package@\reserved@a @do}{%
3474                     \@namedef{bid@exclude@package@\reserved@a @do}{}%
3475                 }{%
3476                     \expandafter\def
3477                     \csname bid@exclude@package@\reserved@a
3478                         @do\expandafter\expandafter\expandafter\endcsname
3479                     \expandafter\expandafter\expandafter{%
3480                         \csname bid@exclude@package@\reserved@a @do\endcsname
3481                         #2%
3482                     }%
3483                 \fi
3484             }%
3485         \fi
3486     }%
3487     \ifx\bid@excludedpackages@empty
3488         \bid@ResetPreventPackageFromLoading
3489     \fi
3490 \fi
3491 }
3492
3493 \@onlypreamble\bid@PreventPackageFromLoading
3494 \newcommand*{\bid@ResetPreventPackageFromLoading}{%

```



```

3495 \let\ bidi@excludedpackages\@empty
3496 \ifx\RequirePackage\ bidi@RequirePackage
3497 \ifx\usepackage\RequirePackage
3498 \let\usepackage\ bidi@saved@RequirePackage
3499 \fi
3500 \let\RequirePackage\ bidi@saved@RequirePackage
3501 \fi
3502 }
3503 \@onlypreamble\ bidi@ResetPreventPackageFromLoading
3504 \newcommand*{\ bidi@StorePreventPackageFromLoading}[1]{%
3505 \let#1\ bidi@excludedpackages
3506 }
3507 \@onlypreamble\ bidi@StorePreventPackageFromLoading
3508 \newcommand*{\ bidi@UnPreventPackageFromLoading}{%
3509 \@ifstar {\@tempswatrue\@ bidi@UnPreventPackageFromLoading}%
3510 {\@tempswafalse\@ bidi@UnPreventPackageFromLoading}%
3511 }
3512
3513 \newcommand*{\@ bidi@UnPreventPackageFromLoading}[1]{%
3514 \edef\reserved@a{\zap@space#1 \@empty}%
3515 \if@tempswa
3516 \@for\reserved@a:=\reserved@b\do {%
3517 \ifx\reserved@a\@empty \else
3518 \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
3519 \expandafter\let
3520 \csname bidi@exclude@package@\reserved@a @do\endcsname
3521 \undefined
3522 \fi
3523 \fi
3524 }%
3525 \fi
3526 \ifcsname bidi@excludedpackages\endcsname
3527 \let\reserved@a\ bidi@excludedpackages
3528 \let\ bidi@excludedpackages\@empty
3529 \expandafter\@for\expandafter\reserved@c
3530 \expandafter:\expandafter=\reserved@a
3531 \do{%
3532 \ifx\reserved@c\@empty\else
3533 \@expandtwoargs\in{,\reserved@c,}{,\reserved@b,}%
3534 \ifin@
3535 \else
3536 \edef\ bidi@excludedpackages{%
3537 \ bidi@excludedpackages,\reserved@c
3538 }%
3539 \fi
3540 \fi
3541 }%
3542 \ifx\ bidi@excludedpackages\@empty\ bidi@ResetPreventPackageFromLoading\fi
3543 \fi
3544 }

```



```

3545
3546
3547 \newcommand*{\bidi@RequirePackage}[2][]{%
3548   \let\reserved@c\@empty
3549   \let\reserved@d\@empty
3550   \edef\reserved@b{\zap@space#2 \@empty}%
3551   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3552   \do {%
3553     \begingroup
3554     \@tempswatrue
3555     \@for\reserved@a:=\bidi@excludedpackages\do {%
3556       \ifx\reserved@a\reserved@b
3557         \@tempswafalse
3558       \fi
3559     }%
3560     \if@tempswa
3561       \xdef\reserved@c{\reserved@c,\reserved@b}%
3562     \else
3563       \ifx\reserved@b\@empty\else
3564         \PackageInfo{biditools}{Excluding package `~\reserved@b'\MessageBreak
3565           from loading}%
3566         \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
3567           }{%
3568             \expandafter\g@addto@macro\expandafter\reserved@d
3569             \csname bidi@exclude@package@\reserved@b @do\endcsname
3570           }%
3571         \fi
3572       \fi
3573     \endgroup
3574   }%
3575   \ifx\reserved@c\@empty
3576     \let\reserved@a\bidi@gobbleopt
3577   \else
3578     \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
3579       \expandafter\@gobble\reserved@c\@empty}}%
3580   \fi
3581   \expandafter\reserved@d
3582   \reserved@a
3583 }
3584
3585 \newcommand{\bidi@gobbleopt}[1][]{%
3586 \AtEndDocument{%
3587   \let\bidi@saved@checkend=\@checkend
3588   \renewcommand*{\@checkend}[1]{%
3589     \def\reserved@a{#1}\def\reserved@b{document}%
3590     \bidi@saved@checkend{#1}%
3591     \ifx\reserved@a\reserved@b
3592       \let\bidi@saved@clearpage=\clearpage
3593     \renewcommand*{\clearpage}{\bidi@saved@clearpage
3594       \bidi@hook@bcma

```



```

3595         \bidi@restore@newpage
3596         \let\clearpage=\bidi@saved@clearpage}%
3597     \fi%
3598     \let\bidi@saved@dofilelist\@dofilelist
3599     \def\@dofilelist{%
3600         \bidi@hook@acma
3601         \let\@dofilelist\bidi@saved@dofilelist
3602         \bidi@saved@dofilelist
3603     }%
3604 }%
3605 }
3606
3607
3608 \newcommand*{\bidi@saved@checkend}{%
3609 \newcommand*{\bidi@saved@dofilelist}{%
3610 \newcommand*{\bidi@redefine@newpage}{%
3611     \let\bidi@saved@newpage\newpage
3612     \def\bidi@restore@newpage{%
3613         \renewcommand*{\newpage}{%
3614             \PackageWarningNoLine{%
3615                 biditools%
3616             }{%
3617                 \string\newpage\space at main aux file!\MessageBreak
3618                 You have output material at the main aux file.\MessageBreak
3619                 Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3620                 are processed before the output from aux file%
3621             }%
3622             \let\newpage\bidi@saved@newpage
3623             \newpage
3624         }%
3625     }%
3626     \renewcommand*{\newpage}{%
3627         \PackageError{%
3628             biditools%
3629         }{%
3630             \string\newpage\space at \string\bidi@BeforeClosingMainAux
3631         }{%
3632             You should never use \string\newpage\space or
3633             \string\clear(double)page or other output material at the\MessageBreak
3634             argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
3635             If you'll continue, the \string\newpage\space will be ignored to
3636             avoid corruption of\MessageBreak
3637             every prior use of \string\bidi@BeforeClosingMainAux.
3638         }%
3639     }%
3640 }
3641
3642 \newcommand*{\bidi@restore@newpage}{%
3643 \newcommand*{\bidi@hook@bcma}{%
3644 \newcommand*{\bidi@hook@acma}{%

```



```

3645 \newcommand*{\bidi@BeforeClosingMainAux}{%
3646   \ifx\bidi@hook@bcma\@empty
3647     \gdef\bidi@hook@bcma{%
3648       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
3649       \let\protected@write\bidi@protected@immediate@write
3650       \bidi@redefine@newpage
3651     }%
3652   \fi
3653   \g@addto@macro\bidi@hook@bcma%
3654 }
3655
3656 \newcommand*{\bidi@AfterReadingMainAux}{%
3657   \ifx\bidi@hook@acma\@empty
3658     \gdef\bidi@hook@acma{%
3659       \renewcommand*{\bidi@AfterReadingMainAux}[1]{###1}%
3660       \let\protected@write\bidi@protected@immediate@write
3661     }%
3662   \fi
3663   \g@addto@macro\bidi@hook@acma%
3664 }
3665
3666 \long\def\bidi@protected@immediate@write#1#2#3{%
3667   \begingroup
3668     #2%
3669     \let\protect\@unexpandable@protect
3670     \edef\reserved@a{\immediate\write#1{#3}}%
3671     \reserved@a
3672   \endgroup
3673   \if@nobreak\ifvmode\nobreak\fi\fi
3674 }
3675
3676 \def\bidi@patch@counter{0}%
3677 \if\bidi@csundef{numexpr}{%
3678   \def\bidi@patch@stepcounter{%
3679     \begingroup
3680       \count@\bidi@patch@counter\relax
3681       \advance\count@\@ne\relax
3682     \edef\x{\endgroup
3683       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
3684     }%
3685     \x
3686   }%
3687 }{%
3688   \def\bidi@patch@stepcounter{%
3689     \edef\bidi@patch@counter{%
3690       \the\numexpr\bidi@patch@counter+\@ne\relax
3691     }%
3692   }%
3693 }
3694 \def\bidi@patch@list{}

```



```

3695 \def\bidipatch@Add{%
3696   \bidipatch@list
3697 }
3698 \def\bidipatch@AfterPackage#1{%
3699   \@ifpackageloaded{#1}{%
3700     \@firstofone
3701   }{%
3702     \bidipatch@AfterPackage{#1}%
3703   }%
3704 }
3705 \def\bidipatch@AfterPackage#1{%
3706   \edef\bidipatch@temp{#1}%
3707   \bidipatch@stepcounter
3708   \expandafter\bidipatch@@AfterPackage
3709   \csname bidipatch@\bidipatch@counter\expandafter\endcsname{%
3710     \bidipatch@temp
3711   }%
3712 }
3713 \def\bidipatch@@AfterPackage#1#2#3{%
3714   \begingroup
3715     \toks@{#3}%
3716     \xdef\bidipatch@gtemp{%
3717       \noexpand\@ifpackageloaded{#2}{%
3718         \noexpand\let\noexpand#1\noexpand\relax
3719         \the\toks@
3720       }{}%
3721     }%
3722   \endgroup
3723   \let#1\bidipatch@gtemp
3724   \bidipatch@Add#1%
3725   \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
3726 }
3727
3728 \def\bidipatch@try#1#2#3{%
3729   \if@bidi@csundef{#1}{%
3730     \csname #1\endcsname{#2}{#3}%
3731   }%
3732 }
3733
3734 \AtBeginDocument{\bidipatch@list}
3735
3736 \bidipatch@AtEndPreamble{\bidipatch@list}%
3737
3738 \bidipatch@AfterEndPreamble{%
3739   \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
3740   \let\bidipatch@OrgIfPackageLater\@ifpackagelater
3741   \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
3742   \let\bidipatch@OrgIfClassLater\@ifclasslater
3743   \bidipatch@list
3744   \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded

```




```

3745 \let\@ifpackagelater\@patch@OrgIfPackageLater
3746 \let\@ifclassloaded\@patch@OrgIfClassLoaded
3747 \let\@ifclasslater\@patch@OrgIfClassLater
3748 }%

```

7.23 bidiutfefloat.sty

```

3749 \NeedsTeXFormat{LaTeX2e}
3750 \ProvidesPackage{bidiutfefloat}[2011/06/14 v0.1
3751 bidi implementation of tufte float]
3752 \RequirePackage{xifthen}
3753 \newcommand{\@bidiutfefloat@pkgname}{bidiutfefloat}
3754 \newcommand{\@bidiutfefloatError}[2]{\PackageError{\@bidiutfefloat@pkgname}{#1}{#2}}
3755 \newcommand{\@bidiutfefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidiutfefloat@debug}}{\bidi
3756 \newcommand{\@bidiutfefloatInfoNL}[1]{\PackageInfo{\@bidiutfefloat@pkgname}{#1\@gobble}}
3757 \newboolean{\@bidiutfefloat@RTLgeometry}
3758 \setboolean{\@bidiutfefloat@RTLgeometry}{true}
3759 \DeclareOption{RTLgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{true}}
3760 \DeclareOption{LTRgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{false}}
3761 \newboolean{\@bidiutfefloat@a4paper}
3762 \DeclareOption{a4paper}{\setboolean{\@bidiutfefloat@a4paper}{true}}
3763 \newboolean{\@bidiutfefloat@b5paper}
3764 \DeclareOption{b5paper}{\setboolean{\@bidiutfefloat@b5paper}{true}}
3765 \newboolean{\@bidiutfefloat@symmetric}
3766 \newboolean{\@bidiutfefloat@twoside}
3767 \DeclareOption{twoside}{%
3768 \@twoside true \mparswitch true%
3769 \setboolean{\@bidiutfefloat@twoside}{true}%
3770 \setboolean{\@bidiutfefloat@symmetric}{true}%
3771 }
3772 \DeclareOption{oneside}{%
3773 \@twoside false \mparswitch false%
3774 \setboolean{\@bidiutfefloat@twoside}{false}%
3775 \setboolean{\@bidiutfefloat@symmetric}{false}%
3776 }
3777 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3778 \newboolean{\@bidiutfefloat@debug}
3779 \newcommand*{\@bidiutfefloat@caption@justification}{\@bidiutfefloat@justification@autodetect}
3780 \ProcessOptions
3781 %% Globally sets the length
3782 \newcommand*{\gsetlength}[2]{%
3783 \setlength{#1}{#2}%
3784 \global#1=#1\relax%
3785 }
3786 %% Globally sets a boolean
3787 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
3788 \lowercase{\def\@tempa{#2}}%
3789 \@ifundefined{\@tempa}{\@tempa}%
3790 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}{\@ehc}%
3791 {\@ifundefined{#1\@tempa}%

```



```

3792     {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3793     {\global\csname#1\@tempa\endcsname}%
3794     }%
3795 }
3796 %% Set the font sizes and baselines to match bidentuftefloat's books
3797 \renewcommand\normalsize{%
3798   \@setfontsize\normalsize\@xpt{14}%
3799   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3800   \abovedisplayshortskip \z@ \@plus3\p@
3801   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3802   \belowdisplayskip \abovedisplayskip
3803   \let\@listi\@listI}
3804 \normalbaselineskip=14pt
3805 \normalsize
3806 \renewcommand\footnotesize{%
3807   \@setfontsize\footnotesize\@viipt{10}%
3808   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3809   \abovedisplayshortskip \z@ \@plus\p@
3810   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
3811   \def\@listi{\leftmargin\leftmarginI
3812             \topsep 3\p@ \@plus\p@ \@minus\p@
3813             \parsep 2\p@ \@plus\p@ \@minus\p@
3814             \itemsep \parsep}%
3815   \belowdisplayskip \abovedisplayskip
3816 }
3817 %% Paragraph indentation and separation for marginal text
3818 \newcommand{\@bidentuftefloat@margin@par}{%
3819   \setlength{\RaggedRightParindent}{0.5pc}%
3820   \setlength{\JustifyingParindent}{0.5pc}%
3821   \setlength{\parindent}{0.5pc}%
3822   \setlength{\parskip}{0pt}%
3823 }
3824 \RequirePackage{ragged2e}
3825 \ifthenelse{\boolean{@bidentuftefloat@RTLgeometry}}{%
3826 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginparsep=0.5in]{geometry}
3827 \ifthenelse{\boolean{@bidentuftefloat@a4paper}}{
3828   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparsep=0.5in}}
3829   {}
3830 \ifthenelse{\boolean{@bidentuftefloat@bfivepaper}}{
3831   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginparsep=0.5in}}
3832   {}
3833 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginparsep=0.5in]{geometry}
3834 \ifthenelse{\boolean{@bidentuftefloat@a4paper}}{
3835   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparsep=0.5in}}
3836   {}
3837 \ifthenelse{\boolean{@bidentuftefloat@bfivepaper}}{
3838   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginparsep=0.5in}}
3839   {}
3840 \ifthenelse{\boolean{@bidentuftefloat@symmetric}}{
3841   {}

```



```

3842 {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
3843 \setlength\marginparpush{10pt}
3844 %% Font for margin items
3845 \newcommand{\@bidiutftefloat@marginfont}{\normalfont\footnotesize}
3846 \newcommand*{\@bidiutftefloat@caption@font}{\@bidiutftefloat@marginfont}
3847 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidiutftefloat@caption@font}{#1}}
3848 \newcommand{\@bidiutftefloat@justification}{\justifying}%
3849 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3850 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3851 \newboolean{@bidiutftefloat@changepage}
3852 \IfFileExists{changepage.sty}{%
3853   \bidiutftefloatDebugInfoNL{Found changepage.sty}
3854   \RequirePackage[strict]{changepage}
3855   \setboolean{@bidiutftefloat@changepage}{true}
3856 }{%
3857   \bidiutftefloatDebugInfoNL{Found chngpage.sty}
3858   \RequirePackage[strict]{chngpage}
3859   \setboolean{@bidiutftefloat@changepage}{false}
3860 }
3861 \newboolean{@bidiutftefloat@odd@page}
3862 \setboolean{@bidiutftefloat@odd@page}{true}
3863 \newcommand*{\@bidiutftefloat@checkoddpage}{%
3864   \checkoddpage%
3865   \ifthenelse{boolean{@bidiutftefloat@changepage}}{%
3866     \ifoddpage%
3867       \setboolean{@bidiutftefloat@odd@page}{true}%
3868     \else%
3869       \setboolean{@bidiutftefloat@odd@page}{false}%
3870     \fi%
3871   }{%
3872     \ifcpoddpage%
3873       \setboolean{@bidiutftefloat@odd@page}{true}%
3874     \else%
3875       \setboolean{@bidiutftefloat@odd@page}{false}%
3876     \fi%
3877   }%
3878 }
3879 \newlength{\@bidiutftefloat@overhang}% used by the fullwidth environment and the running heads
3880 \newlength{\@bidiutftefloat@fullwidth}
3881 \newlength{\@bidiutftefloat@caption@fill}
3882 \newcommand{\@bidiutftefloatRecalculate}{%
3883   \setlength{\@bidiutftefloat@overhang}{\marginparwidth}
3884   \addtolength{\@bidiutftefloat@overhang}{\marginparsep}
3885
3886   \setlength{\@bidiutftefloat@fullwidth}{\textwidth}
3887   \addtolength{\@bidiutftefloat@fullwidth}{\marginparsep}
3888   \addtolength{\@bidiutftefloat@fullwidth}{\marginparwidth}
3889
3890   \setlength{\@bidiutftefloat@caption@fill}{\textwidth}
3891   \addtolength{\@bidiutftefloat@caption@fill}{\marginparsep}

```



```

3892 }
3893 \AtBeginDocument{\biditytfloatRecalculate}
3894 \RequirePackage{optparams}% provides multiple optional arguments for commands
3895 \RequirePackage{placeins}
3896 \newsavebox{\@biditytfloat@margin@floatbox}
3897 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
3898 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3899 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
3900 \begin{minipage}{\marginparwidth}%
3901 \@biditytfloat@caption@font%
3902 \def\@capytype{#2}%
3903 \hbox{\vspace*{#1}%
3904 \@biditytfloat@caption@justification%
3905 \@biditytfloat@margin@par%
3906 \noindent%
3907 }
3908 {\end{minipage}%
3909 \end{lrbox}%
3910 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
3911 }
3912 \newenvironment{marginfigure}[1][-1.2ex]%
3913 {\begin{@biditytfloat@margin@float}[#1]{figure}}
3914 {\end{@biditytfloat@margin@float}}
3915 \newenvironment{margintable}[1][-1.2ex]%
3916 {\begin{@biditytfloat@margin@float}[#1]{table}}
3917 {\end{@biditytfloat@margin@float}}
3918 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
3919
3920 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is p
3921 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
3922 \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}%
3923 {\def\@biditytfloat@float@debug@info{#1}}%
3924 {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
3925 }
3926 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3927 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug-
3928 \newboolean{@biditytfloat@float@recto}
3929 \newcommand{\forcerectofloat}{\gsetboolean{@biditytfloat@float@recto}{true}\@biditytfloat@
3930 \newcommand{\forceversofloat}{\gsetboolean{@biditytfloat@float@recto}{false}\@biditytfloat@
3931 \newsavebox{\@biditytfloat@figure@box}
3932 \newsavebox{\@biditytfloat@caption@box}
3933 \let\@biditytfloat@orig@float\@float
3934 \let\@biditytfloat@orig@endfloat\endfloat
3935 \newlength{\@biditytfloat@caption@vertical@offset}
3936 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
3937 \newcommand{\@biditytfloat@stored@shortcaption}{\@}
3938 \newcommand{\@biditytfloat@stored@caption}{\@}
3939 \newcommand{\@biditytfloat@stored@label}{\@}
3940 \long\def\@biditytfloat@caption[#1][#2]#3{%
3941 \ifthenelse{isempty{#1}}%

```



```

3942     {\gdef\@bidiutefloat@stored@shortcaption{#3}}%
3943     {\gdef\@bidiutefloat@stored@shortcaption{#1}}%
3944     \gsetlength{\@bidiutefloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3945     \gdef\@bidiutefloat@stored@caption{#3}%
3946 }
3947 \newcommand{\@bidiutefloat@label}[1]{%
3948   \gdef\@bidiutefloat@stored@label{#1}%
3949 }
3950 \newcommand{\@bidiutefloat@fps}{}
3951 \newboolean{\@bidiutefloat@float@star}
3952 \newlength{\@bidiutefloat@float@contents@width}
3953 \newenvironment{\@bidiutefloat@float}[3][htbp]{%
3954   {% begin \@bidiutefloat@float
3955     % Should this float be full-width or just text-width?
3956     \ifthenelse{\equal{#3}{star}}{%
3957       {\gsetboolean{\@bidiutefloat@float@star}{true}}%
3958       {\gsetboolean{\@bidiutefloat@float@star}{false}}%
3959     % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3960     \@bidiutefloat@checkoddpag%
3961     \ifthenelse{\boolean{\@bidiutefloat@odd@page}}{%
3962       {\gsetboolean{\@bidiutefloat@float@recto}{true}}\@bidiutefloat@float@debug{Detected page
3963       {\gsetboolean{\@bidiutefloat@float@recto}{false}}\@bidiutefloat@float@debug{Detected pag
3964     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3965     \renewcommand{\@bidiutefloat@fps}{#1}%
3966     \@bidiutefloat@float@debug{Allowed positions: [ #1 ]}%
3967     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
3968       {\renewcommand{\floatalignment}{b}}\@bidiutefloat@float@debug{Presumed position: [bottom]
3969       {\renewcommand{\floatalignment}{t}}\@bidiutefloat@float@debug{Presumed position: [top]}}%
3970     % Capture the contents of the \caption and \label commands to use later
3971     \global\let\@bidiutefloat@orig@caption\caption%
3972     \global\let\@bidiutefloat@orig@label\label%
3973     \renewcommand{\caption}{\optparams{\@bidiutefloat@caption}{[ ] [Opt]}}%
3974     \renewcommand{\label}[1]{\@bidiutefloat@label{##1}}%
3975     % Handle subfigure package compatibility
3976     \ifthenelse{\boolean{\@bidiutefloat@packages@subfigure}}{%
3977       % don't move the label while inside a \subfigure or \subtable command
3978       \global\let\label\@bidiutefloat@orig@label%
3979     }{% subfigure package is not loaded
3980       \@bidiutefloat@orig@float{#2}[#1]%
3981       \ifthenelse{\boolean{\@bidiutefloat@float@star}}{%
3982         {\setlength{\@bidiutefloat@float@contents@width}{\@bidiutefloat@fullwidth}}%
3983         {\setlength{\@bidiutefloat@float@contents@width}{\textwidth}}%
3984         \begin{lrbox}{\@bidiutefloat@figure@box}%
3985         \begin{minipage}[ \floatalignment ]{\@bidiutefloat@float@contents@width}\hbox{}%
3986       }{% end \@bidiutefloat@float
3987         \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% align
3988         \end{minipage}%
3989         \end{lrbox}%
3990         % build the caption box
3991         \begin{lrbox}{\@bidiutefloat@caption@box}%

```



```

3992 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
3993 \ifthenelse{\NOT\equal{\@bidiutefloat@stored@caption}{}}{\@bidiutefloat@orig@caption
3994 \ifthenelse{\NOT\equal{\@bidiutefloat@stored@label}{}}{\@bidiutefloat@orig@label{\b
3995 \par\vspace{-\prevdepth}}%% TODO: DOUBLE-CHECK FOR SAFETY
3996 \end{minipage}%
3997 \end{lrbox}%
3998 % now typeset the stored boxes
3999 \begin{fullwidth}%
4000 \begin{minipage}[\floatalignment]{\linewidth}%
4001 \ifthenelse{\boolean{@bidiutefloat@float@star}}%
4002 {\@bidiutefloat@float@fullwidth[\@bidiutefloat@caption@vertical@offset]{\@bidiutef
4003 {\@bidiutefloat@float@textwidth[\@bidiutefloat@caption@vertical@offset]{\@bidiutef
4004 \end{minipage}%
4005 \end{fullwidth}%
4006 \@bidiutefloat@orig@endfloat% end original LaTeX float environment
4007 % output debug info
4008 \ifthenelse{\boolean{@bidiutefloat@debug}}{%
4009 \typeout{^^J^^J----- bidiutefloat package float information -----}%
4010 \ifthenelse{\equal{\@bidiutefloat@stored@label}{}}%
4011 {\typeout{Warning: Float unlabeled!}}%
4012 {\typeout{Float label: [\@bidiutefloat@stored@label]}}%
4013 \typeout{Page number: [\thepage]}%
4014 \def\MessageBreak{^^J}%
4015 \typeout{\@bidiutefloat@float@debug@info}%
4016 \ifthenelse{\boolean{@bidiutefloat@symmetric}}%
4017 {\typeout{Symmetric: [true]}}%
4018 {\typeout{Symmetric: [false]}}%
4019 \typeout{-----^^J^^J}%
4020 }{}%
4021 % reset commands and temp boxes and captions
4022 \gdef\@bidiutefloat@float@debug@info{%
4023 \let\caption\@bidiutefloat@orig@caption%
4024 \let\label\@bidiutefloat@orig@label%
4025 \begin{lrbox}{\@bidiutefloat@figure@box}\hbox{}\end{lrbox}%
4026 \begin{lrbox}{\@bidiutefloat@caption@box}\hbox{}\end{lrbox}%
4027 \gdef\@bidiutefloat@stored@shortcaption{%
4028 \gdef\@bidiutefloat@stored@caption{%
4029 \gdef\@bidiutefloat@stored@label{%
4030 \gsetlength{\@bidiutefloat@caption@vertical@offset}{0pt}% reset caption offset
4031 }
4032 \newcommand{\@bidiutefloat@float@textwidth}[3][0pt]{%
4033 \ifthenelse{\NOT\boolean{@bidiutefloat@symmetric}}\OR\boolean{@bidiutefloat@float@recto}}%
4034 % asymmetric or page is odd, so caption is on the right
4035 \hbox{%
4036 \usebox{#2}%
4037 \hspace{\marginparsep}%
4038 \smash{\raisebox{#1}{\usebox{#3}}}%
4039 }
4040 \@bidiutefloat@float@debug{Caption position: [right]}%
4041 }{}% symmetric pages and page is even, so caption is on the left

```



```

4042 \hbox{%
4043 \smash{\raisebox{#1}{\usebox{#3}}}%
4044 \hspace{\marginparsep}%
4045 \usebox{#2}%
4046 }
4047 \@biditytfloat@float@debug{Caption position: [left]}%
4048 }%
4049 }
4050 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4051 \ifthenelse{\equal{\floatalignment}{b}}{%
4052 {% place caption above figure
4053 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}
4054 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{Cap
4055 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{Cap
4056 }% place caption below figure
4057 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}
4058 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{Cap
4059 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{Cap
4060 }%
4061 }
4062 \renewenvironment{figure}[1][htbp]{%
4063 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4064 {\end{@biditytfloat@float}}
4065 \renewenvironment{table}[1][htbp]{%
4066 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4067 {\end{@biditytfloat@float}}
4068 \renewenvironment{figure*}[1][htbp]{%
4069 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4070 {\end{@biditytfloat@float}}
4071 \renewenvironment{table*}[1][htbp]{%
4072 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4073 {\end{@biditytfloat@float}}
4074 \newenvironment{fullwidth}{%
4075 {\ifthenelse{\boolean{@biditytfloat@symmetric}}}%
4076 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@float@overhang}}%
4077 {\begin{adjustwidth*}{-}\@biditytfloat@overhang}}%
4078 }%
4079 {\ifthenelse{\boolean{@biditytfloat@symmetric}}}%
4080 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4081 {\end{adjustwidth}}}%
4082 }
4083 \long\def\@caption#1[#2]#3{%
4084 \par%
4085 \addcontentsline{\csname ext@#1\endcsname}{#1}%
4086 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4087 \begingroup%
4088 \@parboxrestore%
4089 \if@minipage%
4090 \@setminipage%
4091 \fi%

```




```

4092 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4093 \noindent\csname fnum#1\endcsname: \ignorespaces#3\par%
4094 %\@makecaption{\csname fnum#1\endcsname}{\ignorespaces #3}\par
4095 \endgroup}
4096 %%
4097 % Turns newlines into spaces. Based on code from the `titlesec' package.
4098 \DeclareRobustCommand{\@biditytheheading@newlinetospace}{%
4099 \ifstar{\@biditytheheading@newlinetospace@i}{\@biditytheheading@newlinetospace@i}%
4100 }
4101 \def\@biditytheheading@newlinetospace@i{%
4102 \ifdim\lastskip>z@\else\space\fi
4103 \ignorespaces%
4104 }
4105 \DeclareRobustCommand{\newlinetospace}[1]{%
4106 \let\@biditytheheading@orig@cr\\% save the original meaning of \\
4107 \def\\{\@biditytheheading@newlinetospace}% turn \\ and \\* into \space
4108 \let\newline\\% turn \newline into \space
4109 #1%
4110 \let\\ \@biditytheheading@orig@cr% revert to original meaning of \\
4111 }
4112 \RequirePackage{fancyhdr}
4113 \pagestyle{fancy}
4114 \AtBeginDocument{%
4115 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4116 {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
4117 {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
4118 }
4119 % The running heads/feet don't have rules
4120 \renewcommand{\headrulewidth}{0pt}
4121 \renewcommand{\footrulewidth}{0pt}
4122 % The 'fancy' page style is the default style for all pages.
4123 \fancyhf{} % clear header and footer fields
4124 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4125 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4126 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4127 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4128 % The `plain' page style is used on chapter opening pages.
4129 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4130 % bottom of pages -- the folios are unexpressed.
4131 \fancypagestyle{plain}{
4132 \fancyhf{} % clear header and footer fields
4133 % Uncomment the following five lines of code if you want the opening page
4134 % of the chapter to express the folio in the lower outside corner.
4135 % \ifthenelse{\boolean{@biditytfloat@symmetric}}
4136 % {\fancyfoot[LE,RO]{\thepage}}
4137 % {\fancyfoot[RE,RO]{\thepage}}
4138 }
4139 % The `empty' page style suppresses all headers and footers.
4140 % It's used on title pages and `intentionally blank' pages.
4141 \fancypagestyle{empty}{

```




```

4142 \fancyhf{} % clear header and footer fields
4143 }
4144 \def\morefloats{% provides a total of 52 floats
4145 \ifthenelse{\isundefined{\bx@S}}{%
4146 \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4147 \newinsert\bx@S
4148 \newinsert\bx@T
4149 \newinsert\bx@U
4150 \newinsert\bx@V
4151 \newinsert\bx@W
4152 \newinsert\bx@X
4153 \newinsert\bx@Y
4154 \newinsert\bx@Z
4155 \newinsert\bx@a
4156 \newinsert\bx@b
4157 \newinsert\bx@c
4158 \newinsert\bx@d
4159 \newinsert\bx@e
4160 \newinsert\bx@f
4161 \newinsert\bx@g
4162 \newinsert\bx@h
4163 \newinsert\bx@i
4164 \newinsert\bx@j
4165 \newinsert\bx@k
4166 \newinsert\bx@l
4167 \newinsert\bx@m
4168 \newinsert\bx@n
4169 \newinsert\bx@o
4170 \newinsert\bx@p
4171 \newinsert\bx@q
4172 \newinsert\bx@r
4173 \newinsert\bx@s
4174 \newinsert\bx@t
4175 \newinsert\bx@u
4176 \newinsert\bx@v
4177 \newinsert\bx@w
4178 \newinsert\bx@x
4179 \newinsert\bx@y
4180 \newinsert\bx@z
4181 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4182 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4183 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4184 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4185 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4186 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4187 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4188 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4189 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4190 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4191 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v

```



```

4192         \elt\bx@w\elt\bx@x\elt\bx@y\elt\bx@z}%
4193 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4194 \ifthenelse{\isundefined{\bx@AA}}{%
4195     \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4196     \newinsert\bx@AA
4197     \newinsert\bx@BB
4198     \newinsert\bx@CC
4199     \newinsert\bx@DD
4200     \newinsert\bx@EE
4201     \newinsert\bx@FF
4202     \newinsert\bx@GG
4203     \newinsert\bx@HH
4204     \newinsert\bx@II
4205     \newinsert\bx@JJ
4206     \newinsert\bx@KK
4207     \newinsert\bx@LL
4208     \newinsert\bx@MM
4209     \newinsert\bx@NN
4210     \newinsert\bx@OO
4211     \newinsert\bx@PP
4212     \newinsert\bx@QQ
4213     \newinsert\bx@RR
4214     \newinsert\bx@SS
4215     \newinsert\bx@TT
4216     \newinsert\bx@UU
4217     \newinsert\bx@VV
4218     \newinsert\bx@WW
4219     \newinsert\bx@XX
4220     \newinsert\bx@YY
4221     \newinsert\bx@ZZ
4222 \gdef\@freelist{\elt\bx@A\elt\bx@B\elt\bx@C\elt\bx@D\elt\bx@E
4223     \elt\bx@F\elt\bx@G\elt\bx@H\elt\bx@I\elt\bx@J
4224     \elt\bx@K\elt\bx@L\elt\bx@M\elt\bx@N
4225     \elt\bx@O\elt\bx@P\elt\bx@Q\elt\bx@R
4226     \elt\bx@S\elt\bx@T\elt\bx@U\elt\bx@V
4227     \elt\bx@W\elt\bx@X\elt\bx@Y\elt\bx@Z
4228     \elt\bx@a\elt\bx@b\elt\bx@c\elt\bx@d\elt\bx@e
4229     \elt\bx@f\elt\bx@g\elt\bx@h\elt\bx@i\elt\bx@j
4230     \elt\bx@k\elt\bx@l\elt\bx@m\elt\bx@n
4231     \elt\bx@o\elt\bx@p\elt\bx@q\elt\bx@r
4232     \elt\bx@s\elt\bx@t\elt\bx@u\elt\bx@v
4233     \elt\bx@w\elt\bx@x\elt\bx@y\elt\bx@z
4234     \elt\bx@AA\elt\bx@BB\elt\bx@CC\elt\bx@DD\elt\bx@EE
4235     \elt\bx@FF\elt\bx@GG\elt\bx@HH\elt\bx@II\elt\bx@JJ
4236     \elt\bx@KK\elt\bx@LL\elt\bx@MM\elt\bx@NN
4237     \elt\bx@OO\elt\bx@PP\elt\bx@QQ\elt\bx@RR
4238     \elt\bx@SS\elt\bx@TT\elt\bx@UU\elt\bx@VV
4239     \elt\bx@WW\elt\bx@XX\elt\bx@YY\elt\bx@ZZ}%
4240 }{%
4241 \bidituftefloatError{You may only call \string\morefloats\space twice. See the\MessageBreak

```



```

4242     {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\Message
4243     }%
4244   }%
4245 }
4246 \newboolean{@biditytffloat@packages@subfigure}
4247 \setboolean{@biditytffloat@packages@subfigure}{false}
4248 \AtBeginDocument{%
4249   \@ifpackageloaded{subfigure}
4250   {\gsetboolean{@biditytffloat@packages@subfigure}{true}}
4251   {\gsetboolean{@biditytffloat@packages@subfigure}{false}}%
4252 }
4253 \AtBeginDocument{%
4254   \@ifpackageloaded{float}{%
4255     % Save the redefined float environment (instead of the LaTeX float environment)
4256     \let\@biditytffloat@orig@float\@float
4257     \let\@biditytffloat@orig@endfloat\endfloat
4258
4259     % Define Tuftian float styles (with the caption in the margin)
4260     \newcommand{\floatc@biditytffloatplain}[2]{%
4261       \begin{lrbox}{\@biditytffloat@caption@box}%
4262         \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
4263           \@biditytffloat@caption@font{\@fs@cfont #1:} #2\par%
4264         \end{minipage}%
4265       \end{lrbox}%
4266       \smash{\hspace{\@biditytffloat@caption@fill}\usebox{\@biditytffloat@caption@box}}%
4267     }
4268     \newcommand{\fs@biditytffloatplain}{%
4269       \def\@fs@cfont{\@biditytffloat@caption@font}%
4270       \let\@fs@capt\floatc@biditytffloatplain%
4271       \def\@fs@pre{}%
4272       \def\@fs@post{}%
4273       \def\@fs@mid{}%
4274       \let\@fs@iftopcapt\iftrue%
4275     }
4276     \let\fs@biditytffloatplaintop=\fs@biditytffloatplain
4277     \let\floatc@biditytffloatplaintop=\floatc@biditytffloatplain
4278     \newcommand\floatc@biditytffloatruled[2]{%
4279       {\@fs@cfont #1} #2\par%
4280     }
4281     \newcommand\fs@biditytffloatruled{%
4282       \def\@fs@cfont{\@biditytffloat@caption@font}%
4283       \let\@fs@capt\floatc@biditytffloatplain%
4284       \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4285       \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4286       \def\@fs@mid{}%
4287       \let\@fs@iftopcapt\iftrue%
4288     }
4289     \newcommand\fs@biditytffloatboxed{%
4290       \def\@fs@cfont{}%
4291       \let\@fs@capt\floatc@biditytffloatplain%

```



```

4292 \def\@fs@pre{%
4293 \setbox\@currbox\vbox{\hbadness10000
4294 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4295 \hrule \hbox to\hsize{\vrule\kern3pt
4296 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4297 }%
4298 \def\@fs@mid{\kern2pt}%
4299 \def\@fs@post{}%
4300 \let\@fs@iftopcapt\iftrue%
4301 }
4302 }{%
4303 % Nothing to do
4304 }
4305 }
4306 \AtBeginDocument{%
4307 \ifpackageloaded{algorithm}{%
4308 % Set the float style to the Tufte version
4309 \ifthenelse{\equal{\ALG@floatstyle}{plain}}{OR\equal{\ALG@floatstyle}{ruled}}{OR\equal{\ALG@floatstyle}{bittuftefloat}}{
4310 \bittuftfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to bittuftfloat}%
4311 \floatstyle{bittuftfloat\ALG@floatstyle}%
4312 \restylefloat{algorithm}%
4313 }{}%
4314 }{%
4315 % Nothing to do
4316 }
4317 }
4318 \PassOptionsToPackage{caption=false}{subfig}

```

```

4319 \NeedsTeXFormat{LaTeX2e}
4320 \ProvidesPackage{biditytutesidenote}[2015/04/30 v0.3
4321 bidi implementation of tufte sidenote]
4322 \RequirePackage{xifthen}
4323 \RequirePackage{ragged2e}
4324 \RequirePackage{setspace}
4325 \RequirePackage{biditytools}
4326 \def\biditytutesidenotemarginpar{%
4327   \ifhmode
4328     \@bsphack
4329     \@floatpenalty -\@Mii
4330   \else
4331     \@floatpenalty-\@Miii
4332   \fi
4333   \ifinner
4334     \@parmoderr
4335     \@floatpenalty\z@
4336   \else
4337     \@next\@currbox\@freelist{}-{}%
4338     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%

```



```

4339      {\@floatpenalty\z@
4340       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4341     \fi
4342     \@ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteympar}
4343 \long\def\@bidityftesidenotexmpar[#1]#2{%
4344   \@bidityftesidenotesavemarbox\@marbox{#1}%
4345   \@bidityftesidenotesavemarbox\@currbox{#2}%
4346   \@xympar}
4347 \long\def\@bidityftesidenoteympar#1{%
4348   \@bidityftesidenotesavemarbox\@marbox{#1}%
4349   \global\setbox\@currbox\copy\@marbox
4350   \@xympar}
4351 \long\def \@bidityftesidenotesavemarbox #1#2{%
4352   \global\setbox #1%
4353     \color@vbox
4354     \vtop{%
4355       \hsize\marginparwidth
4356       \@parboxrestore
4357       \@bidityftesidenotemarginparreset
4358       #2%
4359       \@minipagefalse
4360       \outer@nobreak
4361     }%
4362   \color@endbox
4363 }
4364 \def \@bidityftesidenotemarginparreset {%
4365   \reset@font
4366   \normalsize
4367   \@minipagetrue
4368   \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
4369 }
4370 \def\LTRbidityftesidenotemarginpar{%
4371   \ifhmode
4372     \@bsphack
4373     \@floatpenalty -\@Mii
4374   \else
4375     \@floatpenalty-\@Miii
4376   \fi
4377   \ifinner
4378     \@parmoderr
4379     \@floatpenalty\z@
4380   \else
4381     \@next\@currbox\@freelist{}\{}%
4382     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4383     {\@floatpenalty\z@
4384      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4385   \fi
4386   \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4387 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4388   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%

```



```

4389 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4390 \@xympar}
4391 \long\def\@LTRbidityftesidenoteympar#1{%
4392 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4393 \global\setbox\@currbox\copy\@marbox
4394 \@xympar}
4395 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4396 \global\setbox #1%
4397 \color@vbox
4398 \vtop{%
4399 \hsize\marginparwidth
4400 \@parboxrestore
4401 \@LTRbidityftesidenotemarginparreset
4402 #2%
4403 \@minipagefalse
4404 \outer@nobreak
4405 }%
4406 \color@endbox
4407 }
4408 \def \@LTRbidityftesidenotemarginparreset {%
4409 \reset@font
4410 \normalsize
4411 \@minipagetrue
4412 \everypar{\@minipagefalse\everypar{}\beginL}%
4413 }
4414 \def\RTLbidityftesidenotemarginpar{%
4415 \ifhmode
4416 \@bsphack
4417 \@floatpenalty -\@Mii
4418 \else
4419 \@floatpenalty-\@Miii
4420 \fi
4421 \ifinner
4422 \@parmoderr
4423 \@floatpenalty\z@
4424 \else
4425 \@next\@currbox\@freelist{}\}%
4426 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4427 {\@floatpenalty\z@
4428 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4429 \fi
4430 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4431 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4432 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4433 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4434 \@xympar}
4435 \long\def\@RTLbidityftesidenoteympar#1{%
4436 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4437 \global\setbox\@currbox\copy\@marbox
4438 \@xympar}

```



```

4439 \long\def \@RTLbiditytesidenotesavemarbox #1#2{%
4440   \global\setbox #1%
4441     \color@vbox
4442     \vtop{%
4443       \hsize\marginparwidth
4444       \@parboxrestore
4445       \@RTLbiditytesidenotemarginparreset
4446       #2%
4447       \@minipagefalse
4448       \outer@nobreak
4449     }%
4450   \color@endbox
4451 }
4452 \def \@RTLbiditytesidenotemarginparreset {%
4453   \reset@font
4454   \normalsize
4455   \@minipagetrue
4456   \everypar{\@minipagefalse\everypar{}\beginR}%
4457 }
4458 \newcommand{\@biditytesidenote@marginfont}{\normalfont\footnotesize}
4459 \newcommand*{\@biditytesidenote@sidenote@font}{\@biditytesidenote@marginfont}
4460 \newcommand*{\@biditytesidenote@marginnote@font}{\@biditytesidenote@marginfont}
4461 \newcommand*{\@biditytesidenote@citation@font}{\@biditytesidenote@marginfont}
4462 \newcommand*{\@bidityteLTRsidenote@citation@font}{\@biditytesidenote@marginfont}
4463 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@biditytesidenote@sidenote@font}{#1}}
4464 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@biditytesidenote@marginnote@font}{#1}}
4465 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@biditytesidenote@citation@font}{#1}}
4466 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityteLTRsidenote@citation@font}{#1}}
4467 \newcommand*{\@biditytesidenote@sidenote@justification}{\@biditytesidenote@justification@aut}
4468 \newcommand*{\@biditytesidenote@marginnote@justification}{\@biditytesidenote@justification@aut}
4469 \newcommand*{\@biditytesidenote@citation@justification}{\@biditytesidenote@justification@aut}
4470 \newcommand*{\@biditytesidenote@justification@autodetect}{\justifying}%
4471 \newcommand{\@biditytesidenote@margin@par}{%
4472   \setlength{\RaggedRightParindent}{0.5pc}%
4473   \setlength{\JustifyingParindent}{0.5pc}%
4474   \setlength{\parindent}{0.5pc}%
4475   \setlength{\parskip}{0pt}%
4476 }
4477 %%
4478 % Globally sets the length
4479 \@ifundefined{gsetlength}{%
4480 \newcommand*{\gsetlength}[2]{%
4481   \setlength{#1}{#2}%
4482   \global#1=#1\relax%
4483 }%
4484 }{}
4485 %%
4486 % Globally sets a boolean
4487 \@ifundefined{gsetboolean}{%
4488 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg

```



```

4489 \lowercase{\def\@tempa{#2}}%
4490 \@ifundefined{@tempa}{\@tempa}%
4491 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
4492 {\@ifundefined{#1\@tempa}%
4493 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
4494 {\global\csname#1\@tempa\endcsname}%
4495 }%
4496 }%
4497 }{}
4498 %%
4499 % A function that removes leading and trailing spaces from the supplied macro.
4500 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4501 % Executing \@bidiuftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4502 % being trimmed of leading and trailing white space.
4503 \catcode`\Q=3
4504 \def\@bidiuftesidenote@trim@spaces#1{%
4505 % Use grouping to emulate a multi-token afterassignment queue
4506 \begingroup%
4507 % Put \toks 0 {' into the afterassignment queue
4508 \aftergroup\toks\aftergroup0\aftergroup{%
4509 % Apply \trimb to the replacement text of #1, adding a leading
4510 % \noexpand to prevent brace stripping and to serve another purpose
4511 % later.
4512 \expandafter\@bidiuftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4513 % Transfer the trimmed text back into #1.
4514 \edef#1{\the\toks0}%
4515 }
4516 % \trimb removes a trailing space if present, then calls \@bidiuftesidenote@trim@c to
4517 % clean up any leftover bizarre Qs, and trim a leading space. In
4518 % order for \trimc to work properly we need to put back a Q first.
4519 \def\@bidiuftesidenote@trim@b#1 Q{\@bidiuftesidenote@trim@c#1Q}
4520 % Execute \vfuzz assignment to remove leading space; the \noexpand
4521 % will now prevent unwanted expansion of a macro or other expandable
4522 % token at the beginning of the trimmed text. The \endgroup will feed
4523 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4524 \def\@bidiuftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4525 \catcode`\Q=11
4526 %%
4527 % Citations should go in the margin as sidenotes
4528
4529 \RequirePackage{natbib}
4530 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environmen
4531 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4532 \renewcommand\BR@b@bibitem[2][]{%
4533 \ifthenelse{\isempty{#1}}{%
4534 {\BR@bibitem{#2}}%
4535 {\BR@bibitem{#1}{#2}}%
4536 \BR@c@bibitem{#2}%
4537 }
4538 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys

```




```

4539 %%
4540 % Normal \cite behavior
4541 \newcounter{@bidituftesidenote@num@bibkeys}%
4542 \newcommand{\@bidituftesidenote@normal@cite}[2][Opt]{%
4543   % Snag the last bibentry in the list for later comparison
4544   \let\@temp@last@bibkey\@empty%
4545   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4546   \sidenote[] [#1]{%
4547     % Loop through all the bibentries, separating them with semicolons and spaces
4548     \normalsize\normalfont\@bidituftesidenote@citation@font%
4549     \setcounter{@bidituftesidenote@num@bibkeys}{0}%
4550     \@for\@temp@bibkeyx:=#2\do{%
4551       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4552         \ifthenelse{\equal{value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
4553         \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4554         \bibentry{\@temp@bibkeyx}}%
4555         {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4556         \bibentry{\@temp@bibkeyx};\ }%
4557       \stepcounter{@bidituftesidenote@num@bibkeys}%
4558     }%
4559   }%
4560 }
4561 \newcommand{\@bidituftelTRsidenote@normal@cite}[2][Opt]{%
4562   % Snag the last bibentry in the list for later comparison
4563   \let\@temp@last@bibkey\@empty%
4564   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4565   \LTRsidenote[] [#1]{%
4566     % Loop through all the bibentries, separating them with semicolons and spaces
4567     \normalsize\normalfont\@bidituftelTRsidenote@citation@font%
4568     \setcounter{@bidituftesidenote@num@bibkeys}{0}%
4569     \@for\@temp@bibkeyx:=#2\do{%
4570       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4571         \ifthenelse{\equal{value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
4572         \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4573         \bibentry{\@temp@bibkeyx}}%
4574         {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4575         \bibentry{\@temp@bibkeyx};\ }%
4576       \stepcounter{@bidituftesidenote@num@bibkeys}%
4577     }%
4578   }%
4579 }
4580 \newcommand{\@biditufterTLsidenote@normal@cite}[2][Opt]{%
4581   % Snag the last bibentry in the list for later comparison
4582   \let\@temp@last@bibkey\@empty%
4583   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4584   \RTLsidenote[] [#1]{%
4585     % Loop through all the bibentries, separating them with semicolons and spaces
4586     \normalsize\normalfont\@bidituftesidenote@citation@font%
4587     \setcounter{@bidituftesidenote@num@bibkeys}{0}%
4588     \@for\@temp@bibkeyx:=#2\do{%

```



```

4589 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4590 {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\}%
4591 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4592 \bibentry{\@temp@bibkeyx}}%
4593 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4594 \bibentry{\@temp@bibkeyx};\}%
4595 \stepcounter{@bidituftesidenote@num@bibkeys}%
4596 }%
4597 }%
4598 }
4599 %%
4600 % Macros for holding the list of cite keys until after the \sidenote
4601 \gdef\@bidituftesidenote@citations{}% list of cite keys
4602 \newcommand\@bidituftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4603 \ifx\@bidituftesidenote@citations\emptyelse
4604 \g@addto@macro\@bidituftesidenote@citations{,}% separate by commas
4605 \fi
4606 \g@addto@macro\@bidituftesidenote@citations{#1}
4607 }
4608 \newcommand{\@bidituftesidenote@print@citations}[1][0pt]{% puts the citations in a margin note
4609 % Snag the last bibentry in the list for later comparison
4610 \let\@temp@last@bibkey\empty%
4611 \@for\@temp@bibkey:=\@bidituftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4612 \marginpar{%
4613 \hbox{\vspace*{#1}}%
4614 \@bidituftesidenote@citation@font%
4615 \@bidituftesidenote@citation@justification%
4616 \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
4617 \vspace*{-1\baselineskip}}%
4618 % Loop through all the bibentries, separating them with semicolons and spaces
4619 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
4620 \@for\@temp@bibkeyx:=\@bidituftesidenote@citations\do{%
4621 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4622 {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\}%
4623 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4624 \bibentry{\@temp@bibkeyx}}%
4625 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4626 \bibentry{\@temp@bibkeyx};\}%
4627 \stepcounter{@bidituftesidenote@num@bibkeys}%
4628 }%
4629 }%
4630 }
4631 %%
4632 % \cite behavior when executed within a sidenote
4633 \newcommand{\@bidituftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4634 \newcommand{\@bidituftesidenote@infootnote@cite}[1]{%
4635 \@bidituftesidenote@add@citation{#1}
4636 }
4637 %%
4638 % Set the default \cite style. This is set and reset by the \sidenote command.

```



```

4639 \let\cite\@bidityftesidenote@normal@cite
4640 \let\LTRcite\@bidityftelTRsidenote@normal@cite
4641 \let\RTLcite\@bidityfteRTlsidenote@normal@cite
4642 %%
4643 % Transform existing \footnotes into \sidenotes
4644 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
4645 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4646 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@}
4647 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@}
4648 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4649 % sidenote's text block.
4650 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@sidenote@}}
4651 % Set the in-text footnote mark in the same typeface as the body text itself.
4652 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@sidenote@}}
4653 \providecommand*\multiplefootnotemarker{3sp}
4654 \providecommand*\multfootsep{,}
4655 \bidi@patch@AfterPackage{bidi}{%
4656 \renewcommand{\@footnotemark}{%
4657 \leavevmode%
4658 \ifhmode%
4659 \edef\@xsf{\the\spacefactor}%
4660 \@bidityftesidenote@check@multiple@sidenotes%
4661 \nobreak%
4662 \fi%
4663 \@makefnmark%
4664 \ifhmode\spacefactor\@xsf\fi%
4665 \relax%
4666 }%
4667 }
4668 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
4669 \ifdim\lastkern=\multiplefootnotemarker\relax%
4670 \edef\@xsf{\the\spacefactor}%
4671 \unkern%
4672 \textsuperscript{\multfootsep}%
4673 \spacefactor\@xsf\relax%
4674 \fi
4675 }
4676 \bidi@patch@AfterPackage{bidi}{%
4677 \renewcommand\@footnotetext[2][0pt]{%
4678 \bidityftesidenotemarginpar{%
4679 \hbox{\vspace*{#1}}%
4680 \def\baselinestretch {\setspace@singlespace}%
4681 \reset@font\footnotesize%
4682 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4683 \vspace*{-1\baselineskip}\noindent%
4684 \protected@edef\@currentlabel{%
4685 \csname p@footnote\endcsname\@thefnmark%
4686 }%
4687 \color@begingroup%
4688 \@makefnmark{%

```



```

4689         \ignorespaces#2%
4690     }%
4691     \color@endgroup%
4692 }%
4693 }%
4694 \renewcommand\@LTRfootnotetext[2][0pt]{%
4695     \LTRbidityftesidenotemarginpar{%
4696         \hbox{}\vspace*{#1}%
4697         \def\baselinestretch {\setspace@singlespace}%
4698         \reset@font\footnotesize%
4699         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4700         \vspace*{-1\baselineskip}\noindent%
4701         \protected@edef\@currentlabel{%
4702             \csname p@footnote\endcsname\@thefnmark%
4703         }%
4704         \color@begingroup%
4705             \@makefntext{%
4706                 \ignorespaces#2%
4707             }%
4708         \color@endgroup%
4709     }%
4710 }%
4711 \renewcommand\@RTLfootnotetext[2][0pt]{%
4712     \RTLbidityftesidenotemarginpar{%
4713         \hbox{}\vspace*{#1}%
4714         \def\baselinestretch {\setspace@singlespace}%
4715         \reset@font\footnotesize%
4716         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4717         \vspace*{-1\baselineskip}\noindent%
4718         \protected@edef\@currentlabel{%
4719             \csname p@footnote\endcsname\@thefnmark%
4720         }%
4721         \color@begingroup%
4722             \@makefntext{%
4723                 \ignorespaces#2%
4724             }%
4725         \color@endgroup%
4726     }%
4727 }%
4728 }
4729 %
4730 % Define \sidenote command. Can handle \cite.
4731 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
4732 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
4733 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4734 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
4735     \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4736     \gdef\@bidityftesidenote@citations{}% clear out any old citations
4737     \ifthenelse{\NOT\isempty{#2}}{%
4738         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%

```



```

4739 }{%
4740   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4741 }%
4742 \ifthenelse{\isempty{#1}}{%
4743   % no specific footnote number provided
4744   \stepcounter{\mpfn}%
4745   \protected@xdef\@thefnmark{\thempfn}%
4746   \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4747 }{%
4748   % specific footnote number provided
4749   \begingroup%
4750     \csname c@\mpfn\endcsname #1\relax%
4751     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4752   \endgroup%
4753   \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4754 }%
4755 \@bidityftesidenote@print@citations%          print any citations
4756 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
4757 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4758 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4759 \unskip\ignorespaces%                          remove extra white space
4760 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
4761 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4762 }
4763 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
4764   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4765   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
4766   \ifthenelse{\NOT\isempty{#2}}{%
4767     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4768   }{%
4769     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4770   }%
4771   \ifthenelse{\isempty{#1}}{%
4772     % no specific footnote number provided
4773     \stepcounter{\mpfn}%
4774     \protected@xdef\@thefnmark{\thempfn}%
4775     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4776   }{%
4777     % specific footnote number provided
4778     \begingroup%
4779       \csname c@\mpfn\endcsname #1\relax%
4780       \unrestored@protected@xdef\@thefnmark{\thempfn}%
4781     \endgroup%
4782     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4783   }%
4784   \@bidityftesidenote@print@citations%          print any citations
4785   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
4786   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4787   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4788   \unskip\ignorespaces%                          remove extra white space

```



```

4789 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
4790 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4791 }
4792 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
4793 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4794 \gdef\@bidityftesidenote@citations{}%      clear out any old citations
4795 \ifthenelse{\NOT\isempty{#2}}{%
4796 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4797 }{%
4798 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4799 }%
4800 \ifthenelse{\isempty{#1}}{%
4801 % no specific footnote number provided
4802 \stepcounter\@mpfn%
4803 \protected@xdef\@thefnmark{\thempfn}%
4804 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4805 }{%
4806 % specific footnote number provided
4807 \begingroup%
4808 \csname c@\@mpfn\endcsname #1\relax%
4809 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4810 \endgroup%
4811 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4812 }%
4813 \@bidityftesidenote@print@citations%      print any citations
4814 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4815 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4816 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4817 \unskip\ignorespaces%      remove extra white space
4818 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
4819 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4820 }
4821 \newcommand{\sidenote}{\@optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
4822 \newcommand{\LTRsidenote}{\@optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
4823 \newcommand{\RTLsidenote}{\@optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
4824 \bidi@patch@AfterPackage{bidi}{%
4825 \renewcommand{\footnote}{\@optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
4826 \renewcommand{\LTRfootnote}{\@optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
4827 \renewcommand{\RTLfootnote}{\@optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
4828 }
4829 %%
4830 % Sidenote without the footnote mark
4831 \newcommand\marginnote[2] [Opt]{%
4832 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4833 \gdef\@bidityftesidenote@citations{}%      clear out any old citations
4834 \bidityftesidenotemarginpar{\hbox{\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
4835 \@bidityftesidenote@print@citations%      print any citations
4836 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4837 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4838 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co

```



```

4839 }
4840 \newcommand\LTRmarginnote[2][Opt]{%
4841 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4842 \gdef\@bidityftesidenote@citations{}% clear out any old citations
4843 \LTRbidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidityft
4844 \@bidityftesidenote@print@citations% print any citations
4845 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4846 \let\LTRcite\@bidityftLTrsidenote@normal@cite% go back to using normal in-text \LTRcite co
4847 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4848 }
4849 \newcommand\RTLmarginnote[2][Opt]{%
4850 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4851 \gdef\@bidityftesidenote@citations{}% clear out any old citations
4852 \RTLbidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidityft
4853 \@bidityftesidenote@print@citations% print any citations
4854 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4855 \let\LTRcite\@bidityfteLTrsidenote@normal@cite% go back to using normal in-text \LTRcite co
4856 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4857 }

```

7.25 bidityftetoc.sty

```

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

```



```

4886 {1em}% horizontal separation between label and title body
4887 {}% before the title body
4888 []% after the title body
4889 \titleformat{\subsection}%
4890 [hang]% shape
4891 {\normalfont\large\itshape}% format applied to label+text
4892 {\thesubsection}% label
4893 {1em}% horizontal separation between label and title body
4894 {}% before the title body
4895 []% after the title body
4896 \titleformat{\paragraph}%
4897 [runin]% shape
4898 {\normalfont\itshape}% format applied to label+text
4899 {\theparagraph}% label
4900 {1em}% horizontal separation between label and title body
4901 {}% before the title body
4902 []% after the title body
4903 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4904 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4905 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
4906 }
4907 % Subsubsection and following section headings shouldn't be used.
4908 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4909 \renewcommand\subsubsection{%
4910   \bidityftocError{\noexpand\subsubsection is undefined by this class.%
4911     \MessageBreak See Robert Bringhurst's _The Elements of
4912       \MessageBreak Typographic Style_, section 4.2.2.
4913     \MessageBreak \noexpand\subsubsection was used}
4914   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4915     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4916     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftoc.com/.}
4917 }
4918 \renewcommand\subparagraph{%
4919   \bidityftocError{\noexpand\subparagraph is undefined by this class.%
4920     \MessageBreak See Robert Bringhurst's _The Elements of
4921       \MessageBreak Typographic Style_, section 4.2.2.
4922     \MessageBreak \noexpand\subparagraph was used}
4923   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4924     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4925     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftoc.com/.}
4926 }
4927 % Formatting for main TOC (printed in front matter)
4928 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4929 \ifthenelse{\boolean{@bidityftoc@toc}}{%
4930   \bidi@patch@AfterPackage{bidi}{%
4931     \titlecontents{part}% FIXME
4932     [Oem] % distance from left margin
4933     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4934     {\contentslabel{2em}} % before w/label (label = ``II'')
4935     {} % before w/o label

```




```

4936 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4937 [\end{fullwidth}] % after
4938 \titlecontents{chapter}%
4939 [0em] % distance from left margin
4940 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4941 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4942 {\hspace*{0em}} % before w/o label
4943 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4944 [\end{fullwidth}] % after
4945 \titlecontents{section}% FIXME
4946 [0em] % distance from left margin
4947 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting)
4948 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4949 {\hspace*{2em}} % before w/o label
4950 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4951 [\end{fullwidth}] % after
4952 \titlecontents{subsection}% FIXME
4953 [0em] % distance from left margin
4954 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting)
4955 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
4956 {\hspace*{4em}} % before w/o label
4957 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4958 [\end{fullwidth}] % after
4959 \titlecontents{paragraph}% FIXME
4960 [0em] % distance from left margin
4961 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global formatting)
4962 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4963 {\hspace*{6em}} % before w/o label
4964 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4965 [\end{fullwidth}] % after
4966 }%
4967 {}
4968 %%
4969 % Format lists of figures/tables
4970 \renewcommand\listoffigures{%
4971 \ifundefined{chapter}%
4972 {\section*{\listfigurename}}%
4973 {\chapter*{\listfigurename}}%
4974 % \begin{fullwidth}%
4975 % \@starttoc{lof}%
4976 % \end{fullwidth}%
4977 }
4978 \renewcommand\listoftables{%
4979 \ifundefined{chapter}%
4980 {\section*{\listtablename}}%
4981 {\chapter*{\listtablename}}%
4982 % \begin{fullwidth}%
4983 % \@starttoc{lot}%
4984 % \end{fullwidth}%
4985 }

```



```

4986 \newcommand{\@biditytftoc@lof@line}[2]{%
4987 % #1 is the figure/table number and its caption text
4988 % #2 is the page number on which the figure/table appears
4989 \leftskip 0.0em
4990 \rightskip 0em
4991 \parfillskip 0em plus 1fil
4992 \parindent 0.0em
4993 \@afterindenttrue
4994 \interlinepenalty\@M
4995 \leavevmode
4996 \@tempdima 2.0em
4997 \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
4998 \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
4999 {#1}\nobreak\quad\nobreak#2%
5000 \par%
5001 }
5002 \renewcommand*\l@figure{\@biditytftoc@lof@line}
5003 \let\l@table\l@figure

```

7.26 biditytftgeneralstructure.sty

```

5004 \NeedsTeXFormat{LaTeX2e}
5005 \ProvidesPackage{biditytftgeneralstructure}[2011/06/18 v0.1
5006 bidi implementation of tufte general structure]
5007 \renewcommand\small{%
5008   \@setfontsize\small\@ixpt{12}%
5009   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5010   \abovedisplayshortskip \z@ \@plus2\p@
5011   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5012   \def\@listi{\leftmargin\leftmargini
5013             \topsep 4\p@ \@plus2\p@ \@minus2\p@
5014             \parsep 2\p@ \@plus\p@ \@minus\p@
5015             \itemsep \parsep}%
5016   \belowdisplayskip \abovedisplayskip
5017 }
5018 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5019 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5020 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5021 \renewcommand\Large{\@setfontsize\Large\@xvpt{16}}
5022 \renewcommand\LARGE{\@setfontsize\LARGE\@xvpt{18}}
5023 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5024 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5025 \setlength\leftmargini {1pc}
5026 \setlength\leftmarginii {1pc}
5027 \setlength\leftmarginiii {1pc}
5028 \setlength\leftmarginiv {1pc}
5029 \setlength\leftmarginv {1pc}
5030 \setlength\leftmarginvi {1pc}
5031 \setlength\labelsep {.5pc}
5032 \setlength\labelwidth {\leftmargini}

```



```

5033 \addtolength\labelwidth{-\labelsep}
5034 \setlength{\parindent}{1.0pc}%
5035 \setlength{\parskip}{0pt}%
5036 \RequirePackage{ragged2e}
5037 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5038 % Paragraph indentation and separation for normal text
5039 \newcommand{\@bidiuftgeneralstructure@reset@par}{%
5040   \setlength{\RaggedRightParindent}{1.0pc}%
5041   \setlength{\JustifyingParindent}{1.0pc}%
5042   \setlength{\parindent}{1pc}%
5043   \setlength{\parskip}{0pt}%
5044 }
5045 \@bidiuftgeneralstructure@reset@par
5046 % Require paralist package for tighter lists
5047 \RequirePackage{paralist}
5048 % Add rightmargin to compactenum
5049 \def\@compactenum{%
5050   \expandafter\list\csname label\@enumctr\endcsname{%
5051     \usecounter{\@enumctr}%
5052     \rightmargin=2em% added this
5053     \parsep\plparsep
5054     \itemsep\plitemsep
5055     \topsep\pltopsep
5056     \partopsep\plpartopsep
5057     \def\makelabel##1{\hss\llap{##1}}}%
5058 %%
5059 % An environment for paragraph-style section
5060 \providecommand\newthought[1]{%
5061   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5062   \noindent\textbf{#1}%
5063 }
5064 %%
5065 % Redefine the display environments (quote, quotation, etc.)
5066 \renewenvironment{verse}
5067   {\let\\\@centercr
5068    \list{}{\itemsep \z@
5069             \itemindent -1pc%
5070             \listparindent\itemindent
5071             \rightmargin \leftmargin
5072             \advance\leftmargin 1pc}%
5073    \small%
5074    \item\relax}
5075   {\endlist}
5076 \renewenvironment{quotation}
5077   {\list{}{\listparindent 1pc%
5078             \itemindent \listparindent
5079             \rightmargin \leftmargin
5080             \parsep \z@ \@plus\p@}%
5081    \small%
5082    \item\relax\noindent\ignorespaces}

```



```

5083             {\endlist}
5084 \renewenvironment{quote}
5085             {\list{}{\rightmargin\leftmargin}%
5086              \small%
5087              \item\relax}
5088             {\endlist}
5089 % Italicize description run-in headings (instead of the default bold)
5090 \renewcommand*{descriptionlabel}[1]{\hspace\labelsep\normalfont\em #1}
5091 %%
5092 % Redefine \bibsection to not mark the running heads.
5093 % (Code modified from natbib.sty.)
5094 \@ifundefined{chapter}%
5095   {\renewcommand\bibsection{\section*{\refname}}}
5096   {\@ifundefined{NAT@sectionbib}%
5097    {\renewcommand\bibsection{\chapter{\bibname}}}
5098    {\renewcommand\bibsection{\section*{\bibname}}}}
5099 \RequirePackage{multicol}
5100 \renewenvironment{theindex}{%
5101 \@ifundefined{chapter}%
5102   {\section*{\indexname}}%
5103   {\chapter{\indexname}}%
5104   \begin{fullwidth}%
5105   \small%
5106   \parskip0pt%
5107   \parindent0pt%
5108   \let\item\@idxitem%
5109   \begin{multicols}{3}%
5110 }{%
5111   \end{multicols}%
5112   \end{fullwidth}%
5113 }
5114 \AtBeginDocument{%
5115 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5116 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5117 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5118 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5119 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

7.27 **bidituftehyperref.sty**

```

5120 \NeedsTeXFormat{LaTeX2e}
5121 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5122 bidi implementation of tufte hyperref]
5123 %%
5124 % Color
5125 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5126 \newboolean{@bidituftehyperref@loadhyper}
5127 \setboolean{@bidituftehyperref@loadhyper}{true}
5128 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
5129 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}

```



```

5130 \ProcessOptions
5131 %% Loads the hyperref package and sets some default options.
5132 \newcommand{\biditytthehyperrefLoadHyperref}{%
5133 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5134 \hypersetup{%
5135     bookmarksdepth = section,
5136     citecolor = DarkGreen,
5137     linkcolor = DarkBlue,
5138     pagecolor = DarkBlue,
5139     urlcolor = DarkGreen,
5140 }%
5141 }
5142 \ifthenelse{\boolean{@biditytthehyperref@loadhyper}}{%
5143 \biditytthehyperrefLoadHyperref%
5144 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5145 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5146 }

```

7.28 bidityttitle.sty

```

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

```



```

5177 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5178 }
5179 \renewcommand{\title}[2][]{%
5180   \gdef\@title{#2}%
5181   \begingroup%
5182     % TODO store contents of \thanks command
5183     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5184     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5185     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5186     \protected@xdef\thanklesstitle{#2}%
5187   \endgroup%
5188   \ifthenelse{\isempty{#1}}{%
5189     {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5190     {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5191   \@ifundefined{hypersetup}%
5192     {}% hyperref is not loaded; do nothing
5193     {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5194 }
5195 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5196 \renewcommand{\author}[2][]{%
5197   \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
5198   \begingroup%
5199     % TODO store contents of \thanks command
5200     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5201     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5202     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5203     \protected@xdef\thanklessauthor{#2}%
5204   \endgroup%
5205   \ifthenelse{\isempty{#1}}{%
5206     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5207     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5208   \@ifundefined{hypersetup}%
5209     {}% hyperref is not loaded; do nothing
5210     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5211 }
5212 \renewcommand{\date}[1]{%
5213   \gdef\@date{#1}%
5214   \begingroup%
5215     % TODO store contents of \thanks command
5216     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5217     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5218     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5219     \protected@xdef\thedata{#1}%
5220   \endgroup%
5221 }
5222 %%
5223 % Provides a \publisher command to set the publisher
5224 \newcommand{\publisher}[2][]{%
5225   \gdef\@publisher{#2}%
5226   \begingroup%

```



```

5227 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5228 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5229 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5230 \protected@xdef\thanklesspublisher{#2}%
5231 \endgroup%
5232 \ifthenelse{\isempty{#1}}
5233 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5234 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5235 }
5236 %%
5237 % Produces a full title page
5238 \newcommand{\maketitlepage}[0]{%
5239 \cleardoublepage%
5240 {%
5241 \bfseries%
5242 \begin{fullwidth}%
5243 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5244 \vspace{11.5pc}%
5245 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5246 \vfill%
5247 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5248 \end{fullwidth}%
5249 }
5250 \thispagestyle{empty}%
5251 \clearpage%
5252 }
5253 %%
5254 % Title block
5255 \bidi@AfterEndPreamble{%
5256 \renewcommand{\maketitle}{%
5257 \newpage%
5258 \global\@topnum\z@% prevent floats from being placed at the top of the page
5259 \begin{group}%
5260 \setlength{\parindent}{0pt}%
5261 \setlength{\parskip}{4pt}%
5262 \let\@title\@empty%
5263 \let\@author\@empty%
5264 \let\@date\@empty%
5265 \gdef\@title{\LARGE\itshape\@title\par}%
5266 \gdef\@author{\Large\itshape\@author\par}%
5267 \gdef\@date{\Large\itshape\@date\par}%
5268 \@title%
5269 \@author%
5270 \@date%
5271 \end{group}%
5272 \thispagestyle{plain}% suppress the running head
5273 }%
5274 }
5275 %%
5276 % Title page (if the 'titlepage' option was passed to the bidentitfttitle-handout

```



```

5277 % class.)
5278 \bidi@AfterEndPreamble{%
5279 \ifthenelse{\boolean{@bidityttitle@titlepage}}
5280   {\renewcommand{\maketitle}{\maketitlepage}}
5281   {}
5282 }
5283 %%
5284 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5285 % without headers and footers
5286 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5287   \hbox{}
5288   %\vspace*{\fill}
5289   %\begin{center}
5290   % This page intentionally contains only this sentence.
5291   %\end{center}
5292   %\vspace{\fill}
5293   \thispagestyle{empty}
5294   \newpage
5295   \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

7.29 bidityfte-handout.cls

```

5296 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5297 \ProvidesClass{bidityfte-handout}[2011/06/18 v0.1 bidityfte-handout class]
5298 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5299 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityftefloat}}
5300 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityftetoc}}
5301 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityftehyperref}}
5302 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityftetitle}}
5303 \ProcessOptions\relax
5304 \LoadClass{article}
5305 \RequirePackage{bidityftefloat}
5306 \RequirePackage{bidityftesidenote}
5307 \RequirePackage{bidityftetoc}
5308 \RequirePackage{bidityftegeneralstructure}
5309 \RequirePackage{bidityftehyperref}
5310 \RequirePackage{bidityftetitle}
5311 \renewenvironment{abstract}
5312   {\begin{quotation}}
5313   {\end{quotation}}
5314 \AtBeginDocument{%
5315   \IfFileExists{bidityfte-handout.cfg}
5316     {\input{bidityfte-handout.cfg}}
5317     \ClassInfo{bidityfte-handout}{Loading bidityfte-handout configuration file \@gobble}}
5318   {}
5319 }

```

7.30 bidityfte-book.cls

```

5320 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5321 \ProvidesClass{bidityfte-book}[2011/06/18 v0.1 bidityfte-book class]

```




```

5322 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5323 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytfloat}}
5324 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytetoc}}
5325 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditythyperref}}
5326 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytetitle}}
5327 \ProcessOptions\relax
5328 \LoadClass{book}
5329 \RequirePackage{biditytfloat}
5330 \RequirePackage{biditytesidenote}
5331 \RequirePackage{biditytetoc}
5332 \RequirePackage{biditytgeneralstructure}
5333 \RequirePackage{biditythyperref}
5334 \RequirePackage{biditytetitle}
5335 %%
5336 % Set up any book-specific stuff now
5337 %%
5338 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5339 % to the opening page of Chapter 1. The running heads, when they appear,
5340 % contain only the (arabic) page number in the outside corner.
5341 %\newif\if@mainmatter \@mainmattertrue
5342 \renewcommand\frontmatter{%
5343   \cleardoublepage%
5344   \@mainmatterfalse%
5345   \pagenumbering{arabic}%
5346   %\pagestyle{plain}%
5347   \fancyhf{}%
5348   \ifthenelse{\boolean{@biditytfloat@twoside}}{%
5349     {\fancyhead[LE,RO]{\thepage}}%
5350     {\fancyhead[RE,RO]{\thepage}}%
5351 }
5352 %%
5353 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5354 % numbering---it continues where it left off in the front matter.
5355 \renewcommand\mainmatter{%
5356   \cleardoublepage%
5357   \@mainmattertrue%
5358   \fancyhf{}%
5359   \ifthenelse{\boolean{@biditytfloat@twoside}}{%
5360     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}%
5361     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5362     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5363     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5364 }
5365 %%
5366 % The back matter contains appendices, indices, glossaries, endnotes,
5367 % bibliographies, list of contributors, illustration credits, etc.
5368 \renewcommand\backmatter{%
5369   \if@openright%
5370     \cleardoublepage%
5371   \else%

```



```

5372 \clearpage%
5373 \fi%
5374 \@mainmatterfalse%
5375 }
5376 %%
5377 % Only show the chapter titles in the table of contents
5378 \setcounter{tocdepth}{0}
5379 \AtBeginDocument{%
5380 \IfFileExists{biditufte-book.cfg}
5381 {\input{biditufte-book.cfg}
5382 \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5383 {}%
5384 }

```

7.31 bidipoem.sty

```

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

```



```

5419 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5420
5421 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5422 \bidipoem@hvind \textwidth
5423 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5424 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5425 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@n
5426
5427 \def \bidipoem@set@verseI [#1]{% optional parameter
5428 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5429
5430 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5431 \advance \bidipoem@hvind -\bidipoem@hvlen \bidipoem@hvsep #1\relax
5432 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5433
5434 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5435 \ifdim Opt > \bidipoem@hvind %
5436 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
5437 \else
5438 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5439 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5440 \bidipoem@spreadbox \bidipoem@hvlen {#3}% second block
5441 \par }
5442
5443 % macro for two half verses
5444 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5445 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]}%
5446 \else \def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5447 \bidipoem@half@verses@next}
5448
5449 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5450 \traditionalconnverses {#1}{#2}{#3}}
5451
5452
5453 {\catcode\^M=\active % these lines must end with %
5454 \gdef \traditionalpoem@obeylines {\catcode\^M=\active \let\^M \traditionalpoem@par}%
5455 \global \let\^M \traditionalpoem@par % this is in case ^M appears in a \write
5456 {\catcode\^M=\active % these lines must end with %
5457 \gdef \modernpoem@obeylines {\catcode\^M=\active \let\^M \modernpoem@par}%
5458 \global \let\^M \modernpoem@par % this is in case ^M appears in a \write
5459 \def \poemcolsepskip {.1\versewidth plus .1\versewidth minus .05\versewidth}
5460 \def \poemmarginskip {1em plus 1fil minus 1em}
5461 \def \poemextrabaselineskip {0\baselineskip}
5462 \def \poemskip {\medskip}
5463 \newcommand {\bidipoem@openbox} {\leavevmode
5464 \hbox to .77778em {%
5465 \hfil \vrule
5466 \vbox to .675em {\hrule width .6em \vfil \hrule}%
5467 \vrule \hfil}}
5468 \def \poemblocksep {\quad \hbox {\bidipoem@openbox}}

```



```

5469 \newdimen\versewidth
5470 \newtoks\bidipoem@p@ftn
5471 \def\poem@verse#1{%
5472 \ifdim\wd#1>\new@poem@width
5473 \xdef\new@poem@width{\the\wd#1}%
5474 \ifdim\new@poem@width>\poem@width
5475 \xdef\poem@width{\new@poem@width}%
5476 \global\let\poem@needrun\relax
5477 \fi
5478 \fi
5479 \hbox to\poem@width{\unhbox#1}%
5480 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5481 }
5482 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmargin\skip\relax}
5483 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
5484 \def\poem@lineversesep{%
5485 \nobreak
5486 \hskip\z@ plus 1filll%
5487 \penalty600%
5488 \hskip\poemcolsepskip
5489 \hskip\z@ plus -2filll%
5490 \vadjust{}}%
5491 \nobreak
5492 \hskip\z@ plus 1filll%
5493 }
5494 \def\poem@lineparsebegin{%
5495 \halign\bgroup
5496 \global\setbox\verse@i=\hbox{%
5497 \let\@footnotetext\bidipoem@p@ftntext%
5498 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5499 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5500 \let\@xfootnotenext\bidipoem@p@xftntext%
5501 \let\@xfootnote\bidipoem@p@xfootnote%
5502 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5503 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5504 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5505 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5506 \ignorespaces##\unskip}&&
5507 \global\setbox\verse@ii=\hbox{%
5508 \let\@footnotetext\bidipoem@p@ftntext%
5509 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5510 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5511 \let\@xfootnotenext\bidipoem@p@xftntext%
5512 \let\@xfootnote\bidipoem@p@xfootnote%
5513 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5514 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5515 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5516 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5517 \ignorespaces##\unskip}
5518 \cr

```



```

5519 }
5520 \def\poem@lineparseend{%
5521 \crrcr\egroup
5522 \vskip-\baselineskip
5523 }
5524 \def\traditionalpoem@cr{%
5525 \cr\poem@line
5526 }
5527 \newbox\verse@i
5528 \newbox\verse@ii
5529 \newif\ifpoem@started
5530
5531 \def\poem@line{%
5532 \poem@lineparseend
5533 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5534 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5535 \ifpoem@started
5536 \ifdim\wd\verse@ii>\z@else
5537 \nopagebreak[3]
5538 \fi
5539 \leavevmode
5540 \poem@linebegin
5541 \poem@verse\verse@i
5542 \ifdim\wd\verse@ii>\z@
5543 \poem@lineversesep
5544 \poem@verse\verse@ii
5545 \fi
5546 \poem@lineend
5547 % \nopagebreak
5548 \par
5549 \vskip\poemextrabaseskip
5550 \fi
5551 \poem@lineparsebegin
5552 }
5553 \def\@traditionalpoem{%
5554 \stepcounter{poem@no}
5555 \ifnum\max@poem@no<\number\c@poem@no%
5556 \xdef\poem@width{\z@}%
5557 \else
5558 \xdef\poem@width{\poem@prop{poem@width}}%
5559 \fi
5560 \xdef\new@poem@width{\z@}%
5561 \global\versewidth=\poem@width
5562 \poemskip\par
5563 \begingroup
5564 \tabskip=\z@
5565 \parskip=\z@
5566 \parindent=\z@
5567 \parfillskip=\z@

```



```

5568 \rightskip=\z@
5569 \leftskip=\z@
5570 \widowpenalty=10000% No break between verses of the same line.
5571 \clubpenalty=10000% Same as above. Not really needed.
5572 \def\newblock{\hfil\poemblocksep\hfil\null}%
5573 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5574 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
5575 \global\poem@startedfalse
5576 \csname poem@obeylines\endcsname
5577 \let\poem@obeylines\relax
5578 \poem@lineparsebegin
5579 }
5580 \def\endtraditionalpoem{%
5581 \cr
5582 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5583 \noalign{%
5584 \skip0=\poemextrabaselineskip
5585 \vskip-\skip0
5586 \vskip-\baselineskip
5587 }%
5588 \fi\fi
5589 \poem@lineparseend
5590 \endgroup
5591 \par
5592 \vskip\baselineskip
5593 \poemskip
5594 \if@nparlist \else
5595 \ifdim\lastskip >\z@
5596 \@tempskipa\lastskip \vskip -\lastskip
5597 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5598 \vskip\@tempskipa
5599 \fi
5600 \endparenv
5601 \fi
5602 \ifdim\new@poem@width<\poem@width
5603 \global\let\poem@needrun\relax
5604 \fi
5605 \poem@write@aux{poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
5606 \ifx\AtEndDocument\undefined\poem@finish\fi
5607 }
5608
5609
5610 \long\def\bidipoem@p@ftntext#1{%
5611 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
5612 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
5613 \long\def\bidipoem@p@LTRftntext#1{%
5614 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%
5615 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5616 \long\def\bidipoem@p@RTLftntext#1{%
5617 \edef\@tempxiif{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}}%

```



```

5618 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5619
5620 \long\def\bidipoem@p@xftntext[#1]#2{%
5621 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5622
5623 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5624 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5625
5626 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5627 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5628
5629 \def\bidipoem@p@xfootnote[#1]{%
5630 \begingroup
5631 \csname c@%mpfn\endcsname #1\relax
5632 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5633 \endgroup
5634 \@footnotemark\bidipoem@p@xftntext[#1]}
5635
5636 \def\bidipoem@p@xLTRfootnote[#1]{%
5637 \begingroup
5638 \csname c@%mpfn\endcsname #1\relax
5639 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5640 \endgroup
5641 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5642
5643 \def\bidipoem@p@xRTLfootnote[#1]{%
5644 \begingroup
5645 \csname c@%mpfn\endcsname #1\relax
5646 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5647 \endgroup
5648 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5649
5650
5651
5652 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5653 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyli
5654 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5655 \def\poem@finish{%
5656 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5657 \ifx\poem@needrun\relax
5658 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5659 \global\let\poem@needrun\undefined
5660 \fi
5661 }
5662 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5663 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5664 \ifx\max@poem@no\undefined
5665 \def\max@poem@no{0}%
5666 \fi
5667 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}

```



```

5668 \newcommand{\poem@write@aux}[2]{%
5669     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5670     \@x
5671 }
5672 \def\@modernpoem{%
5673 \par
5674 \begingroup
5675 \parskip=\z@
5676 \parindent=\z@
5677 \def\[{ \@settab\@tabplus\ignorespaces}%
5678 \def\]\{ \@tabminus\ignorespaces}%
5679 \def\newblock{\poemblocksep}%
5680 \let\newpoem@tabcr\@tabcr
5681 \def\modernpoem@par{% Redefine \par for possible \obeylines
5682     \ifpoem@started\else
5683         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5684             \@stopfield
5685             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5686             \@contfield
5687         \fi
5688     \fi
5689     \ifpoem@started\newpoem@tabcr\fi}%
5690 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5691 \global\poem@startedfalse
5692 \csname poem@obeylines\endcsname
5693 \let\poem@obeylines\relax
5694 \begin{tabbing}%
5695 }
5696 \def\@endmodernpoem{%
5697 \global\poem@startedfalse
5698 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5699     \@stopfield
5700     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5701     \@contfield
5702 \fi
5703 \ifpoem@started\else\let\@stopline\@stopfield\fi
5704 \end{tabbing}%
5705 \endgroup
5706 \par
5707 \if@nparlist \else
5708     \ifdim\lastskip >\z@
5709         \@tempskipa\lastskip \vskip -\lastskip
5710         \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5711         \vskip\@tempskipa
5712     \fi
5713     \@endparenv
5714 \fi
5715 }
5716 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5717 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@par}

```




```

5718 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5719 \gdef\@startfield{%
5720 \global\setbox\@curfield\hbox\bgroup%
5721 \let\@footnotetext\bidipoem@p@ftntext%
5722 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5723 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5724 \let\@xfootnotenext\bidipoem@p@xftntext%
5725 \let\@xfootnote\bidipoem@p@xfootnote%
5726 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5727 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5728 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5729 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5730 \color@begingroup}
5731 \gdef\@stopfield{%
5732 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
5733 \gdef\@contfield{%
5734 \global\setbox\@curfield\hbox\bgroup%
5735 \let\@footnotetext\bidipoem@p@ftntext%
5736 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5737 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5738 \let\@xfootnotenext\bidipoem@p@xftntext%
5739 \let\@xfootnote\bidipoem@p@xfootnote%
5740 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5741 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5742 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5743 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5744 \color@begingroup\unhbox\@curfield}

```

7.32 boek3-xetex-bidi.def

```

5745 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX en
5746 \renewenvironment{theindex}{%
5747 \if@twocolumn
5748 \@restonecolfalse
5749 \else
5750 \@restonecoltrue
5751 \fi
5752 \columnseprule \z@
5753 \columnsep 35\p@
5754 \twocolumn[\@makeschapterhead{\indexname}]{%
5755 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
5756 \thispagestyle{plain}\parindent\z@
5757 \parskip\z@ \@plus .3\p@\relax
5758 \let\item\@idxitem
5759 }{%
5760 \if@restonecol\onecolumn\else\clearpage\fi}
5761 \renewcommand*{\head@style}{%
5762 \interlinepenalty \@M
5763 \hyphenpenalty=\@M \exhyphenpenalty=\@M
5764 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```



```

5765 \renewcommand*\@regtocline[3]{%
5766   \ifnum #1>\c@tocdepth
5767   \else
5768     \vskip\z@ \@plus.2\p@
5769     {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
5770     \if@RTL\rightskip\else\leftskip\fi\unitindent
5771     \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
5772     \parfillskip\z@
5773     \@tempdima\unitindent
5774     \parindent\z@
5775     \leavevmode
5776     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5777     \hskip 1em \nobreak{\slshape #3}\par
5778   }%
5779 \fi}
5780 \if@oldtoc
5781 \renewcommand*\l@part[2]{%
5782   \ifnum \c@tocdepth >-2\relax
5783     \addpenalty{-\@highpenalty}%
5784     \addvspace{2.25em \@plus\p@}%
5785     \begingroup
5786       \setlength\@tempdima{3em}%
5787       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5788       \parfillskip -\@pnumwidth
5789       {\leavevmode
5790        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5791        \nobreak
5792        \global\@nobreaktrue
5793        \everypar{\global\@nobreakfalse\everypar{}}%
5794      \endgroup
5795 \fi}
5796 \else
5797   \renewcommand*\l@part{%
5798     \ifnum \c@tocdepth >-2\relax
5799       \addpenalty{-\@highpenalty}%
5800       \addvspace{2.25em \@plus \p@}%
5801       \@regtocline{0}%
5802     \fi}
5803 \fi
5804 \if@oldtoc
5805 \renewcommand*\l@chapter[2]{%
5806   \addpenalty{-\@highpenalty}%
5807   \vskip 1.0em \@plus\p@
5808   \setlength\@tempdima{1.5em}%
5809   \begingroup
5810     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5811     \parfillskip -\@pnumwidth
5812     \leavevmode \bfseries
5813     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5814     \hskip -\if@RTL\rightskip\else\leftskip\fi

```



```

5815 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5816 \penalty\@highpenalty
5817 \endgroup}
5818 \else
5819 \renewcommand*\l@chapter{\@regtocline{0}}
5820 \fi
5821 \renewenvironment{abstract}{%
5822 \titlepage
5823 \null\vfil
5824 \section*{\SectFont \abstractname}
5825 \noindent\ignorespaces}
5826 {\par\vfil\null\endtitlepage}
5827 \renewenvironment{thebibliography}[1]
5828 {\chapter*{\bibname}%
5829 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5830 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5831 \list{\@biblabel{\@arabic\c@enumiv}}%
5832 {\settowidth\labelwidth{\@biblabel{#1}}%
5833 \leftmargin\labelwidth
5834 \advance\leftmargin\labelsep
5835 \@openbib@code
5836 \usecounter{enumiv}%
5837 \let\p@enumiv\@empty
5838 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5839 \sloppy\clubpenalty4000\widowpenalty4000%
5840 \sfcode`\.\@m}
5841 {\def\@noitemerr
5842 {\@latex@warning{Empty `thebibliography' environment}}}%
5843 \endlist}
5844 \renewcommand*\left@footnoterule{%
5845 \kern-3\p@
5846 \kern.5\baselineskip
5847 \hrule\@width\unitindent
5848 \kern.4\baselineskip
5849 }
5850 \renewcommand*\right@footnoterule{%
5851 \kern-3\p@
5852 \kern.5\baselineskip
5853 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5854 \kern.4\baselineskip}
5855 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5856 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
5857 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
5858 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
5859 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
5860 \renewcommand*\theequation{%
5861 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5862 \renewcommand*\thefigure{%
5863 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
5864 \renewcommand*\thetable{%

```



```

5865 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
5866 \renewcommand*\maketitle{%
5867 \begin{titlepage}%
5868 \let\footnotesize\small
5869 \let\right@footnoterule\relax
5870 \let\left@footnoterule\relax
5871 \let\textwidth@footnoterule\relax
5872 \let\footnote\thanks
5873 \long\def\@makefnmark##1{\parindent\z@
5874 \def\labelitemi{\textendash}\@revlabeltrue
5875 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5876 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5877 \if@compatibility\setcounter{page}{0}\fi
5878 \null\vfil
5879 \vskip 60\p@
5880 \begin{center}%
5881 \TitleFont
5882 {\LARGE \def\{\{\penalty -\@M}
5883 \if@allcaps
5884 \expandafter\uc@nothanks\@title\thanks\relax
5885 \else
5886 \@title
5887 \fi\par}%
5888 \vskip 3em%
5889 {\large
5890 \lineskip .75em \parindent\z@
5891 \begin{tabular}[t]{c}%
5892 \if@allcaps
5893 \expandafter\uc@authornothanks\@author\and\relax
5894 \else
5895 \@author
5896 \fi
5897 \end{tabular}\par}%
5898 \vskip 1.5em%
5899 {\large
5900 \if@allcaps
5901 \uppercase\expandafter{\@date}%
5902 \else
5903 \@date
5904 \fi\par}%
5905 \end{center}\par
5906 \@thanks
5907 \vfil\null
5908 \end{titlepage}%
5909 \setcounter{footnote}{0}%
5910 \global\let\thanks\relax
5911 \global\let\maketitle\relax
5912 \global\let\@thanks\@empty
5913 \global\let\@author\@empty
5914 \global\let\@title\@empty

```



```

5915 \global\let\@date\@empty
5916 \global\let\title\relax
5917 \global\let\author\relax
5918 \global\let\date\relax
5919 \global\let\and\relax
5920 }

```

7.33 boek-xetex-bidi.def

```

5921 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX eng
5922 \renewenvironment{theindex}{%
5923   \if@twocolumn
5924     \@restonecolfalse
5925   \else
5926     \@restonecoltrue
5927   \fi
5928   \columnseprule \z@
5929   \columnsep 35\p@
5930   \twocolumn[\@makeschapterhead{\indexname}]%
5931   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5932   \thispagestyle{plain}\parindent\z@
5933   \parskip\z@ \@plus .3\p@\relax
5934   \let\item\@idxitem
5935   }{%
5936   \if@restonecol\onecolumn\else\clearpage\fi}
5937 \renewcommand*{\head@style}{%
5938   \interlinepenalty \@M
5939   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5940   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5941 \renewcommand*{\@regtocline}[3]{%
5942   \ifnum #1>\c@tocdepth
5943   \else
5944     \vskip\z@ \@plus.2\p@
5945     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5946     \if@RTL\rightskip\else\leftskip\fi\unitindent
5947     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5948     \parfillskip\z@
5949     \@tempdima\unitindent
5950     \parindent\z@
5951     \leavevmode
5952     \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5953     \hskip 1em \nobreak{\slshape #3}\par
5954   }%
5955   \fi}
5956 \if@oldtoc
5957 \renewcommand*{\l@part}[2]{%
5958   \ifnum \c@tocdepth >-2\relax
5959     \addpenalty{-\@highpenalty}%
5960     \addvspace{2.25em \@plus\p@}%
5961     \begingroup

```



```

5962     \setlength\@tempdima{3em}%
5963     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5964     \parfillskip -\@pnumwidth
5965     {\leavevmode
5966       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5967       \nobreak
5968       \global\@nobreaktrue
5969       \everypar{\global\@nobreakfalse\everypar{}}%
5970     \endgroup
5971   \fi}
5972 \else
5973   \renewcommand*\l@part{%
5974     \ifnum \c@tocdepth >-2\relax
5975       \addpenalty{-\@highpenalty}%
5976       \addvspace{2.25em \@plus \p@}%
5977       \@regtocline{0}%
5978     \fi}
5979 \fi
5980 \if@oldtoc
5981 \renewcommand*\l@chapter[2]{%
5982   \addpenalty{-\@highpenalty}%
5983   \vskip 1.0em \@plus \p@
5984   \setlength\@tempdima{1.5em}%
5985   \begingroup
5986   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5987   \parfillskip -\@pnumwidth
5988   \leavevmode \bfseries
5989   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5990   \hskip -\if@RTL\rightskip\else\leftskip\fi
5991   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5992   \penalty\@highpenalty
5993   \endgroup}
5994 \else
5995   \renewcommand*\l@chapter{\@regtocline{0}}
5996 \fi
5997 \renewcommand*\left@footnoterule{%
5998   \kern-3\p@
5999   \kern.5\baselineskip
6000   \hrule\@width\unitindent
6001   \kern.4\baselineskip
6002 }
6003 \renewcommand*\right@footnoterule{%
6004   \kern-3\p@
6005   \kern.5\baselineskip
6006   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6007   \kern.4\baselineskip}
6008 \renewenvironment{abstract}{%
6009   \titlepage
6010   \null\vfil
6011   \section*{\SectFont \abstractname}

```



```

6012     \noindent\ignorespaces}
6013     {\par\vfil\null\endtitlepage}
6014 \renewenvironment{thebibliography}[1]
6015     {\chapter*{\bibname}%
6016     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6017     \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
6018     \list{\@biblabel{\@arabic\c@enumiv}}%
6019         {\settowidth\labelwidth{\@biblabel{#1}}%
6020         \leftmargin\labelwidth
6021         \advance\leftmargin\labelsep
6022         \@openbib@code
6023         \usecounter{enumiv}%
6024         \let\p@enumiv\@empty
6025         \renewcommand*{theenumiv}{\@arabic\c@enumiv}}%
6026     \sloppy\clubpenalty4000\widowpenalty4000%
6027     \sfcode`.\@m}
6028 {\def\@noitemerr
6029     {\@latex@warning{Empty `thebibliography' environment}}%
6030     \endlist}
6031 \renewcommand*{thesection}{\thechapter\@SepMark\@arabic\c@section}
6032 \renewcommand*{thesubsection}{\thesection\@SepMark\@arabic\csubsection}
6033 \renewcommand*{thesubsubsection}{\thesubsection\@SepMark\@arabic\csubsubsection}
6034 \renewcommand*{theparagraph}{\thesubsubsection\@SepMark\@arabic\cparagraph}
6035 \renewcommand*{thesubparagraph}{\theparagraph\@SepMark\@arabic\csubparagraph}
6036 \renewcommand*{theequation}{%
6037     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6038 \renewcommand*{thefigure}{%
6039     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6040 \renewcommand*{thetable}{%
6041     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6042 \renewcommand*{maketitle}{%
6043     \begin{titlepage}%
6044         \let\footnotesize\small
6045         \let\right@footnoterule\relax
6046         \let\left@footnoterule\relax
6047         \let\textwidth\footnoterule\relax
6048         \let \footnote \thanks
6049         \long\def\@makefnmark##1{\parindent\z@
6050             \def\labelitemi{\textendash}\@revlabeltrue
6051             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6052     \renewcommand*{thefootnote}{\@fnsymbol\c@footnote}%
6053     \if@compatibility\setcounter{page}{0}\fi
6054     \null\vfil
6055     \vskip 60\p@
6056     \begin{center}%
6057         \TitleFont
6058         {\LARGE \def\\{\penalty -\@M}
6059         \ifallcaps
6060             \expandafter\uc@nothanks\@title\thanks\relax
6061             \else

```



```

6062         \@title
6063         \fi\par}%
6064     \vskip 3em%
6065     {\large
6066         \lineskip .75em \parindent\z@
6067         \begin{tabular}[t]{c}%
6068             \if@allcaps
6069                 \expandafter\uc@authornothanks\@author\and\relax
6070             \else
6071                 \@author
6072             \fi
6073         \end{tabular}\par}%
6074     \vskip 1.5em%
6075     {\large
6076         \if@allcaps
6077             \uppercase\expandafter{\@date}%
6078         \else
6079             \@date
6080         \fi\par}%
6081     \end{center}\par
6082     \@thanks
6083     \vfil\null
6084 \end{titlepage}%
6085 \setcounter{footnote}{0}%
6086 \global\let\thanks\relax
6087 \global\let\maketitle\relax
6088 \global\let\@thanks\@empty
6089 \global\let\@author\@empty
6090 \global\let\@title\@empty
6091 \global\let\@date\@empty
6092 \global\let\title\relax
6093 \global\let\author\relax
6094 \global\let\date\relax
6095 \global\let\and\relax
6096 }

```

7.34 bookest-xetex-bidi.def

```

6097 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeT
6098 \def\@makechapterhead#1{%
6099     \vspace*{20\p@}
6100     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6101         \ifnum \c@secnumdepth >\m@ne
6102             \if@mainmatter
6103                 {\colorA\huge\scshape \@chapapp\space \thechapter}
6104                 \par\nobreak
6105                 \vskip 10\p@
6106             \fi
6107         \fi
6108         \interlinepenalty\@M

```




```

6109 {\colorB\hrule}
6110 \vskip 15\p@
6111 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6112   {\colorA\Huge \bfseries #1}\par\nobreak
6113 \if@RTL\end{flushleft}\else\end{flushright}\fi
6114 \vskip 5\p@
6115 {\colorB\hrule}
6116 \vskip 30\p@
6117 }}
6118 \def\@makeschapterhead#1{%
6119   \vspace*{20\p@}
6120   {\parindent \z@ \raggedright \normalfont
6121     {\colorB\hrule}
6122     \vskip 15\p@
6123     \begin{center}
6124       {\colorA\Huge \bfseries #1}\par\nobreak
6125     \end{center}
6126     \vskip 5\p@
6127     {\colorB\hrule}
6128     \vskip 30\p@
6129   }}

```

7.35 book-xetex-bidi.def

```

6130 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class for X]
6131 \renewenvironment{theindex}
6132   {\if@twocolumn
6133     \@restonecolfalse
6134     \else
6135       \@restonecoltrue
6136     \fi
6137     \columnseprule \z@
6138     \columnsep 35\p@
6139     \twocolumn[\@makeschapterhead{\indexname}]%
6140     \@mkboth{\MakeUppercase\indexname}%
6141             {\MakeUppercase\indexname}%
6142     \thispagestyle{plain}\parindent\z@
6143     \parskip\z@ \@plus .3\p@\relax
6144     \let\item\@idxitem}
6145   {\if@restonecol\onecolumn\else\clearpage\fi}
6146 \@ifclassloaded{bookest}{\}{\%
6147   \if@titlepage
6148     \renewcommand\maketitle{\begin{titlepage}%
6149       \let\footnotesize\small
6150       \let\right@footnoterule\relax
6151       \let\left@footnoterule\relax
6152       \let\textwidth@footnoterule\relax
6153       \let \footnote \thanks
6154       \let \LTRfootnote \LTRthanks
6155       \let \RTLfootnote \RTLthanks

```



```

6156 \null\vfil
6157 \vskip 60\p@
6158 \begin{center}%
6159   {\LARGE \@title \par}%
6160   \vskip 3em%
6161   {\large
6162     \lineskip .75em%
6163     \begin{tabular}[t]{c}%
6164       \@author
6165     \end{tabular}\par}%
6166   \vskip 1.5em%
6167   {\large \@date \par}%           % Set date in \large size.
6168 \end{center}\par
6169 \@thanks
6170 \vfil\null
6171 \end{titlepage}%
6172 \setcounter{footnote}{0}%
6173 \global\let\thanks\relax
6174 \global\let\LTRthanks\relax
6175 \global\let\RTLthanks\relax
6176 \global\let\maketitle\relax
6177 \global\let\@thanks\@empty
6178 \global\let\@author\@empty
6179 \global\let\@date\@empty
6180 \global\let\@title\@empty
6181 \global\let\title\relax
6182 \global\let\author\relax
6183 \global\let\date\relax
6184 \global\let\and\relax
6185 }
6186 \else
6187 \renewcommand\maketitle{\par
6188   \begingroup
6189     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6190     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6191     \long\def\@makefntext##1{\parindent 1em\noindent
6192       \hb@xt@1.8em{%
6193         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6194     \if@twocolumn
6195       \ifnum \col@number=\@ne
6196         \@maketitle
6197       \else
6198         \twocolumn[\@maketitle]%
6199       \fi
6200     \else
6201       \newpage
6202       \global\@topnum\z@   % Prevents figures from going at top of page.
6203       \@maketitle
6204     \fi
6205     \thispagestyle{plain}\@thanks

```



```

6206 \endgroup
6207 \setcounter{footnote}{0}%
6208 \global\let\thanks\relax
6209 \global\let\LTRthanks\relax
6210 \global\let\RTLthanks\relax
6211 \global\let\maketitle\relax
6212 \global\let\@maketitle\relax
6213 \global\let\@thanks\@empty
6214 \global\let\@author\@empty
6215 \global\let\@date\@empty
6216 \global\let\@title\@empty
6217 \global\let\title\relax
6218 \global\let\author\relax
6219 \global\let\date\relax
6220 \global\let\and\relax
6221 }
6222 \def\@maketitle{%
6223 \newpage
6224 \null
6225 \vskip 2em%
6226 \begin{center}%
6227 \let \footnote \thanks
6228 \let \LTRfootnote \LTRthanks
6229 \let \RTLfootnote \RTLthanks
6230 {\LARGE \@title \par}%
6231 \vskip 1.5em%
6232 {\large
6233 \lineskip .5em%
6234 \begin{tabular}[t]{c}%
6235 \@author
6236 \end{tabular}\par}%
6237 \vskip 1em%
6238 {\large \@date}%
6239 \end{center}%
6240 \par
6241 \vskip 1.5em}
6242 \fi}
6243 \renewcommand*\l@part[2]{%
6244 \ifnum \c@tocdepth >-2\relax
6245 \addpenalty{-\@highpenalty}%
6246 \addvspace{2.25em \@plus\p@}%
6247 \setlength\@tempdima{3em}%
6248 \begingroup
6249 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6250 \parfillskip -\@pnumwidth
6251 {\leavevmode
6252 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6253 \nobreak
6254 \global\@nobreaktrue
6255 \everypar{\global\@nobreakfalse\everypar{}}%

```



```

6256 \endgroup
6257 \fi}
6258 \renewcommand*\l@chapter[2]{%
6259 \ifnum \c@tocdepth >\m@ne
6260 \addpenalty{-\@highpenalty}%
6261 \vskip 1.0em \@plus\p@
6262 \setlength\@tempdima{1.5em}%
6263 \begingroup
6264 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6265 \parfillskip -\@pnumwidth
6266 \leavevmode \bfseries
6267 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6268 \hskip -\if@RTL\rightskip\else\leftskip\fi
6269 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6270 \penalty\@highpenalty
6271 \endgroup
6272 \fi}
6273 \renewcommand\left@footnoterule{%
6274 \kern-3\p@
6275 \hrule\@width.4\columnwidth
6276 \kern2.6\p@}
6277 \renewcommand\right@footnoterule{%
6278 \kern-3\p@
6279 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6280 \kern2.6\p@}
6281 \renewcommand\theequation
6282 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6283 \renewcommand \thefigure
6284 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6285 \renewcommand \thetable
6286 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6287 \renewcommand \thechapter {\@arabic\c@chapter}
6288 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6289 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6290 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6291 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6292 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6293 \def\@makechapterhead#1{%
6294 \vspace*{50\p@}%
6295 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6296 \ifnum \c@secnumdepth >\m@ne
6297 \if@mainmatter
6298 \huge\bfseries \@chapapp\space \thechapter
6299 \par\nobreak
6300 \vskip 20\p@
6301 \fi
6302 \fi
6303 \interlinepenalty\@M
6304 \Huge \bfseries #1\par\nobreak
6305 \vskip 40\p@

```



```

6306 }}
6307 \def\@makeschapterhead#1{%
6308   \vspace*{50\p@}%
6309   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6310     \normalfont
6311     \interlinepenalty\@M
6312     \Huge \bfseries #1\par\nobreak
6313     \vskip 40\p@
6314   }}
6315 \renewcommand\backmatter{%
6316   \if@openright
6317     \cleardoublepage
6318   \else
6319     \clearpage
6320   \fi
6321   \@mainmatterfalse}
6322 \renewenvironment{thebibliography}[1]
6323   {\chapter*{\bibname}%
6324     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6325     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6326     \list{\@biblabel{\@arabic\c@enumiv}}%
6327       {\settowidth\labelwidth{\@biblabel{#1}}%
6328         \leftmargin\labelwidth
6329         \advance\leftmargin\labelsep
6330         \@openbib@code
6331         \usecounter{enumiv}%
6332         \let\p@enumiv\@empty
6333         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6334     \sloppy
6335     \clubpenalty4000
6336     \@clubpenalty \clubpenalty
6337     \widowpenalty4000%
6338     \sfcode`\.\@m}
6339   {\def\@noitemerr
6340     {\@latex@warning{Empty `thebibliography' environment}}%
6341     \endlist}

```

7.36 breqn-xetex-bidi.def

```

6342 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for XeTeX]
6343 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6344   \everydisplay\expandafter{\the\everydisplay \display@setup}%
6345   \if@noskipsec \leavevmode \fi
6346   \if@inlabel \leavevmode \global\@inlabelfalse \fi
6347   \if\eq@group\else\eq@prelim\fi
6348   \setkeys{breqn}{#1}%
6349   \the\eqstyle
6350   \eq@setnumber
6351   \begingroup
6352   \eq@setup@a

```



```

6353 \eq@startup
6354 }
6355 \def\@dgroup[#1]{\ifRTL\@RTLfalse\fi%
6356 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6357 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6358 \global\let\GRP@label\@empty
6359 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6360 \global\grp@linewidth\z@\global\grp@wdNum\z@
6361 \global\let\grp@eqs@numbered\@False
6362 \global\let\grp@aligned\@True
6363 \global\let\grp@shiftnumber\@False
6364 \eq@prelim
6365 \setkeys{breqn}{#1}%
6366 \if\grp@hasNumber \grp@setnumber \fi
6367 }
6368 \def\@dseries[#1]{\ifRTL\@RTLfalse\fi%
6369 \let\display@setup\dseries@display@setup
6370 % Question: should this be the default for dseries???
6371 \global\eq@wdCond\z@
6372 \@dmath[layout={M},#1]%
6373 \mathsurround\z@\@math \penalty\@Mi
6374 \let\endmath\ends@math
6375 \def\premath{%
6376 \ifdim\lastskip<.3em \unskip
6377 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6378 }%
6379 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6380 \ignorespaces
6381 }
6382 \def\eqnumform#1{\if@Latin\else\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@Latin\else\endR\fi}
6383 \renewenvironment{dsuspend}{%
6384 \global\setbox\EQ@box\vbox\bgroup\if@Latin\else\@RTLtrue\fi \@parboxrestore
6385 \parshape 1 \displayindent \displaywidth\relax
6386 \hsize=\columnwidth \noindent\ignorespaces
6387 }{%
6388 \par\egroup
6389 \global\setbox\GRP@box\vbox{%
6390 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
6391 \unvbox\GRP@box
6392 }%
6393 \global\GRP@queue\@xp{\the\GRP@queue
6394 \@elt{\let\eq@isIntertext\@True}}%
6395 }%
6396 }

```

7.37 cals-xetex-bidi.def

```

6397 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX en
6398 \renewenvironment{calstable}[1][c]{%
6399 \ifRTL\@RTLtabtrue\cals@activate@rtl\fi

```



```

6400 \if l#1%
6401 \if@RTLtab\leftskip\fill \rightskip\z@\else\leftskip\z@ \rightskip\fill\fi
6402 \else\if r#1%
6403 \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
6404 \else\if c#1%
6405 \leftskip\fill \rightskip\fill
6406 \fi\fi\fi
6407 \let\cals@thead@tokens=\relax
6408 \let\cals@tfoot@tokens=\relax
6409 \let\cals@tbody@tokens=\relax
6410 \cals@tfoot@height=0pt \relax
6411 \let\cals@last@context=n%
6412 \let\cals@current@context=b%
6413 \parindent=0pt %
6414 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@settohsz%
6415 %% Alignment inside is independent on center/flushright outside
6416 \parfillskip=0pt plus1fil\relax
6417 \let\cals@borderL=\relax
6418 \let\cals@borderR=\relax
6419 \let\cals@borderT=\relax
6420 \let\cals@borderB=\relax
6421 }{% End of the table
6422 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
6423
6424 \renewcommand\alignL{%
6425 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fill\else\cals@paddingL=\dimen0\fi
6426 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
6427
6428 \renewcommand\alignR{%
6429 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\fi
6430 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

7.38 caption-xetex-bidi.def

```

6431 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for Xe
6432 \let\@makecaption\caption@makecaption

```

7.39 caption3-xetex-bidi.def

```

6433 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for Xe
6434 \renewcommand*\caption@par{%
6435 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

7.40 colortbl-xetex-bidi.def

```

6436 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for Xe
6437 \def\CT@setup{%
6438 \@tempdimb\col@sep
6439 \@tempdimc\col@sep
6440 \def\CT@color{%
6441 \global\let\CT@do@color\CT@@do@color
6442 \bidicolor}}

```



```

6443 \def\@classz{\@classx
6444   \@tempcnta \count@
6445   \prepnext@tok
6446 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6447 \@addtopreamble{\if@RTLtab\beginL\fi%
6448   \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6449   \ifcase \@chnum
6450     \hskip\stretch{.5}\kern\z@
6451     \d@llarbegin
6452     \insert@column
6453     \d@llarend\hskip\stretch{.5}\or
6454     \d@llarbegin \insert@column \d@llarend \hfill \or
6455     \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
6456   $\vcenter
6457   \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6458   \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6459   \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6460 \fi
6461 \if@RTLtab\endR\fi\egroup\egroup
6462 \begingroup
6463 \CT@setup
6464 \CT@column@color
6465 \CT@row@color
6466 \CT@cell@color
6467 \CT@do@color
6468 \endgroup
6469   \@tempdima\ht\z@
6470   \advance\@tempdima\minrowclearance
6471   \vrule\@height\@tempdima\@width\z@
6472   \unhbox\z@\if@RTLtab\endL\fi}%
6473 \prepnext@tok}

```

7.41 color-xetex-bidi.def

```

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

```




```

6490 \set@color}%
6491 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6492 \def\@undeclaredcolor[#1]#2{%
6493 \ifundefined{color@#1}%
6494 {\c@lor@error{model `#1'}}%
6495 {\csname color@#1\endcsname\current@color{#2}%
6496 \set@color}%
6497 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6498 \DeclareRobustCommand\bidicolor{%
6499 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
6500 \def\@bidiundeclaredcolor[#1]#2{%
6501 \ifundefined{color@#1}%
6502 {\c@lor@error{model `#1'}}%
6503 {\csname color@#1\endcsname\current@color{#2}%
6504 \set@color}%
6505 \ignorespaces}
6506 \def\@bidideclaredcolor#1{%
6507 \@ifundefined{\string\color @#1}%
6508 {\c@lor@error{`#1'}}%
6509 {\expandafter\let\expandafter\current@color
6510 \csname\string\color @#1\endcsname
6511 \set@color}%
6512 \ignorespaces}
6513 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6514 \def\color@fbox#1#2#3{%
6515 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6516 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode\fi}

```

7.42 combine-xetex-bidi.def

```

6517 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeTeX]
6518 \renewcommand{\c@ll@chapsecii}[2]{%
6519 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6520 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6521 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6522 }
6523 \renewcommand{\c@ll@chapseci}{%
6524 \setlength\@tempdima{0em}%
6525 \begingroup
6526 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6527 \parfillskip -\@pnumwidth
6528 \leavevmode
6529 }
6530 \renewenvironment{tocindent}[1]{%
6531 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

7.43 crop-xetex-bidi.def

```

6532 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
6533 \renewcommand*\CROP@ulc{%
6534 \if@RTLmain%

```



```

6535     \begin{picture}(0,0)
6536     \unitlength\p@\thinlines
6537     \put(-40,0){\circle{10}}
6538     \put(-30,-5){\line(0,1){10}}
6539     \put(-35,0){\line(1,0){30}}
6540     \put(-10,30){\circle{10}}
6541     \put(-5,30){\line(1,0){10}}
6542     \put(0,35){\line(0,-1){30}}
6543     \end{picture}%
6544 \else%
6545     \begin{picture}(0,0)
6546     \unitlength\p@\thinlines
6547     \put(-30,0){\circle{10}}
6548     \put(-30,-5){\line(0,1){10}}
6549     \put(-35,0){\line(1,0){30}}
6550     \put(0,30){\circle{10}}
6551     \put(-5,30){\line(1,0){10}}
6552     \put(0,35){\line(0,-1){30}}
6553     \end{picture}%
6554 \fi%
6555 }
6556 \renewcommand*\CROP@urc{%
6557 \if@RTLmain%
6558     \begin{picture}(0,0)
6559     \unitlength\p@\thinlines
6560     \put(20,0){\circle{10}}
6561     \put(30,-5){\line(0,1){10}}
6562     \put(35,0){\line(-1,0){30}}
6563     \put(-10,30){\circle{10}}
6564     \put(-5,30){\line(1,0){10}}
6565     \put(0,35){\line(0,-1){30}}
6566     \end{picture}%
6567 \else%
6568     \begin{picture}(0,0)
6569     \unitlength\p@\thinlines
6570     \put(30,0){\circle{10}}
6571     \put(30,-5){\line(0,1){10}}
6572     \put(35,0){\line(-1,0){30}}
6573     \put(0,30){\circle{10}}
6574     \put(-5,30){\line(1,0){10}}
6575     \put(0,35){\line(0,-1){30}}
6576     \end{picture}%
6577 \fi%
6578 }
6579 \renewcommand*\CROP@llc{%
6580 \if@RTLmain%
6581     \begin{picture}(0,0)
6582     \unitlength\p@\thinlines
6583     \put(-40,0){\circle{10}}
6584     \put(-30,-5){\line(0,1){10}}

```



```

6585      \put(-35,0){\line(1,0){30}}
6586      \put(-10,-30){\circle{10}}
6587      \put(-5,-30){\line(1,0){10}}
6588      \put(0,-35){\line(0,1){30}}
6589      \end{picture}%
6590      \else%
6591      \begin{picture}(0,0)
6592      \unitlength\p@\thinline
6593      \put(-30,0){\circle{10}}
6594      \put(-30,-5){\line(0,1){10}}
6595      \put(-35,0){\line(1,0){30}}
6596      \put(0,-30){\circle{10}}
6597      \put(-5,-30){\line(1,0){10}}
6598      \put(0,-35){\line(0,1){30}}
6599      \end{picture}%
6600      \fi%
6601  }
6602  \renewcommand*\CROP@lrc{%
6603      \if@RTLmain%
6604      \begin{picture}(0,0)
6605      \unitlength\p@\thinline
6606      \put(20,0){\circle{10}}
6607      \put(30,-5){\line(0,1){10}}
6608      \put(35,0){\line(-1,0){30}}
6609      \put(-10,-30){\circle{10}}
6610      \put(-5,-30){\line(1,0){10}}
6611      \put(0,-35){\line(0,1){30}}
6612      \end{picture}%
6613      \else%
6614      \begin{picture}(0,0)
6615      \unitlength\p@\thinline
6616      \put(30,0){\circle{10}}
6617      \put(30,-5){\line(0,1){10}}
6618      \put(35,0){\line(-1,0){30}}
6619      \put(0,-30){\circle{10}}
6620      \put(-5,-30){\line(1,0){10}}
6621      \put(0,-35){\line(0,1){30}}
6622      \end{picture}%
6623      \fi%
6624  }
6625  \@ifpackagewith{crop}{cam}{%
6626  \CROP@execopt{cam}%
6627  }{}

```

7.44 cutwin-xetex-bidi.def

```

6628 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeT
6629 \renewcommand*\c@twcompctr}[2]{%
6630   \def\c@twfirst{1}
6631   \loop\advance\c@twwinlines\m@ne

```



```

6632 \setbox\c@twslicea=\vsplit#1 to\baselineskip
6633 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6634 \c@twprune{\c@twslicea}{\c@twlftside}%
6635 \c@twprune{\c@twsliceb}{\c@twrtside}%
6636 \ifnum\c@twfirst=\@ne
6637   \setbox#2=\vbox{\unvbox#2\hbox
6638     to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\ifRTL\box\c@twsl
6639   \else
6640     \setbox#2=\vbox{\unvbox#2\hbox
6641     to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\ifRTL\box\c@twslicea\else\box\
6642   \fi
6643   \def\c@twfirst{2}
6644   \ifnum\c@twwinlines>\z@\repeat}
6645 \renewcommand*{\c@twcompodctr}[2]{%
6646   \def\c@twrounds{1}
6647   \def\c@twfirst{1}
6648   \@for\c@twlspec:=\c@twb\do{%
6649     \ifnum\c@twrounds=1
6650       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6651       \c@twprune{\c@twslicea}{\c@twlspec}%
6652       \def\c@twrounds{2}
6653     \else
6654       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6655       \c@twprune{\c@twsliceb}{\c@twlspec}%
6656       \ifnum\c@twfirst=1
6657         \setbox#2=\vbox{\unvbox#2\hbox
6658         to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\ifRTL\box\
6659         \def\c@twfirst{2}
6660       \else
6661         \setbox#2=\vbox{\unvbox#2\hbox
6662         to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\ifRTL\box\c@twslicea\else\box\
6663       \fi
6664       \def\c@twrounds{1}
6665     \fi}}

```

7.45 cuted-xetex-bidi.def

```

6666 \ProvidesFile{cuted-xetex-bidi.def}[2016/05/10 v0.4 bidi adaptations for cuted package for XeTeX]
6667
6668 \def\RTL@outputdblcol{%
6669   \if@firstcolumn
6670     \global\@firstcolumnfalse
6671     \global\setbox\@leftcolumn\copy\@outputbox
6672     \splitmaxdepth\maxdimen
6673     \vbadness\maxdimen
6674     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6675     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6676     \toks@\expandafter{\topmark}%
6677     \xdef\@firstcoltopmark{\the\toks@}%
6678     \toks@\expandafter{\splitfirstmark}%

```



```

6679 \xdef\@firstcolfirstmark{\the\toks@}%
6680 \ifx\@firstcolfirstmark\empty
6681 \global\let\@setmarks\relax
6682 \else
6683 \gdef\@setmarks{%
6684 \let\firstmark\@firstcolfirstmark
6685 \let\topmark\@firstcoltopmark}%
6686 \fi
6687 \else
6688 \global\@firstcolumntrue
6689 \setbox\@outputbox\vbox{%
6690 \hb@xt@\textwidth{%
6691 \hskip \columnwidth
6692 \hfil
6693 {\normalcolor\vrule \@width\columnseprule}%
6694 \hfil
6695 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6696 \hskip -\textwidth
6697 \hb@xt@\columnwidth{\box\@outputbox \hss}%
6698 \hskip \columnsep
6699 \hskip \columnwidth }}%
6700 \ifvoid\hold@viper
6701 \else
6702 \setbox\@outputbox\vbox to\textheight{%
6703 \box\hold@viper
6704 \box\@outputbox
6705 \vss
6706 }%
6707 \fi
6708 \@combinedblfloats
6709 \setmarks
6710 \outputpage
6711 \begingroup
6712 \@dblfloatplacement
6713 \startdblcolumn
6714 \@whiles\if@fcolmade \fi{\@outputpage
6715 \startdblcolumn}%
6716 \ifvoid\@viper
6717 \else
6718 \global\setbox\@viper\vbox{%
6719 \vskip-\stripsep
6720 \unvbox\@viper
6721 }%
6722 \@viperoutput
6723 \fi
6724 \endgroup
6725 \fi}%
6726
6727 \def\LTR@outputdblcol{%
6728 \if@firstcolumn

```



```

6729 \global\@firstcolumnfalse
6730 \global\setbox\@leftcolumn\copy\@outputbox
6731 \splitmaxdepth\maxdimen
6732 \vbadness\maxdimen
6733 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6734 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6735 \toks@\expandafter{\topmark}%
6736 \xdef\@firstcoltopmark{\the\toks@}%
6737 \toks@\expandafter{\splitfirstmark}%
6738 \xdef\@firstcolfirstmark{\the\toks@}%
6739 \ifx\@firstcolfirstmark\@empty
6740 \global\let\@setmarks\relax
6741 \else
6742 \gdef\@setmarks{%
6743 \let\firstmark\@firstcolfirstmark
6744 \let\topmark\@firstcoltopmark}%
6745 \fi
6746 \else
6747 \global\@firstcolumntrue
6748 \setbox\@outputbox\vbox{%
6749 \hb@xt@\textwidth{%
6750 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6751 \hfil
6752 {\normalcolor\vrule \@width\columnseprule}%
6753 \hfil
6754 \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
6755 \ifvoid\hold@viper
6756 \else
6757 \setbox\@outputbox \vbox to\textheight{%
6758 \box\hold@viper
6759 \box\@outputbox
6760 \vss
6761 }%
6762 \fi
6763 \@combinedblfloats
6764 \setmarks
6765 \outputpage
6766 \beginngroup
6767 \dblfloatplacement
6768 \startdblcolumn
6769 \@whilesw\if@fcolmade \fi{\@outputpage
6770 \startdblcolumn}%
6771 \ifvoid\@viper
6772 \else
6773 \global\setbox\@viper\vbox{%
6774 \vskip-\stripsep
6775 \unvbox\@viper
6776 }%
6777 \@viperoutput
6778 \fi

```



```

6779 \endgroup
6780 \fi}%
6781
6782
6783 \def \@advviper {%
6784 \if@firstcolumn
6785 \insertfalse
6786 \@reqcolroom .5\@pageht
6787 \ht@viper\@reqcolroom
6788 \advance \@reqcolroom \ht@viper
6789 \advance \@reqcolroom \stripsep
6790 \ifvoid\hold@viper\@tempdima=\z@else\@tempdima\ht\hold@viper\fi
6791 %%
6792 \@tempdimb \ht@viper
6793 \loop
6794 \setbox\v@aaa\copy\@holdpg
6795 \setbox\v@ccc\vbox to\@tempdimb{%
6796 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
6797 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6798 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6799 \loop
6800 \setbox\v@aaa\copy\@holdpg
6801 \setbox\v@ccc\vbox to\@tempdimb{%
6802 \vsplit\v@aaa to\@tempdimb\vss}%
6803 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
6804 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
6805 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6806 \setbox\v@ccc\vbox to\@tempdimb{%
6807 \vsplit\@holdpg to\@tempdimb\vss}%
6808 %%
6809 \setbox\@tempboxa \vbox {%
6810 \hb@xt@\textwidth {%
6811 \if@RTLmain%
6812 \hskip \columnwidth
6813 \hfil \vrule width\columnseprule \hfil
6814 \hb@xt@\columnwidth {%
6815 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6816 \hskip -\textwidth
6817 \hb@xt@\columnwidth {%
6818 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6819 \hskip \columnsep
6820 \hskip \columnwidth
6821 \else%
6822 \hb@xt@\columnwidth {%
6823 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6824 \hfil
6825 \vrule \@width\columnseprule
6826 \hfil
6827 \hb@xt@\columnwidth {%
6828 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%

```



```

6829             \fi}%
6830         }%
6831 \ifvoid\hold@viper
6832     \global\setbox\hold@viper \vbox {%
6833         \unvbox\@tempboxa
6834         \penalty\interlinepenalty
6835         \vskip\stripsep
6836         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6837         \outputpenalty \z@
6838     }%
6839 \else
6840     \global\setbox\hold@viper \vbox {%
6841         \unvbox\hold@viper
6842         \unvbox\@tempboxa
6843         \penalty\interlinepenalty
6844         \vskip\stripsep
6845         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6846         \outputpenalty \z@
6847     }%
6848 \fi
6849 \ifdim \@colroom>\@reqcolroom
6850     \global\setbox\hold@viper \vbox {%
6851         \unvbox\hold@viper
6852         \box\@viper
6853         \penalty\interlinepenalty
6854         \vskip\stripsep
6855         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6856         \outputpenalty \z@
6857     }%
6858 \inserttrue
6859 \advance\@tempdima by-\ht\hold@viper
6860 \global \advance \@colht \@tempdima
6861 \ifdim \@colht<2.5\baselineskip
6862 \latex@warning@no@line {Optional argument of \noexpand\twocolumn
6863     too tall on page \thepage (1 stulpelis)}%
6864 \emptycol
6865 \if@firstcolumn
6866 \else
6867     \emptycol
6868 \fi
6869 \global\@lastvipertrue
6870 \else
6871     \global \vsize \@colht
6872     \global \@colroom \@colht
6873     \check@floats
6874     \ifdim\@tempdima>\z@
6875         \global\advance\@colroom by-\@tempdima
6876     \fi
6877     \ifdim\@colroom<\z@
6878         \global\@colroom 1pt

```




```

6879         \ifdim\@tempdima>\@colht
6880             \latex@warning@no@line {TOP ir/ar BOT FLOAT's
6881                 netelpe lape \thepage (1 stulpelis)}%
6882         \fi
6883         \@emptycol
6884         \if@firstcolumn
6885         \else
6886             \@emptycol
6887         \fi
6888         \global\@lastvipertrue
6889     \fi
6890 \fi
6891 \fi
6892 \else
6893     \@insertfalse
6894     \@reqcolroom\@colht
6895     \advance\@reqcolroom \@pageht
6896     \ht@viper.5\@reqcolroom
6897     \@reqcolroom\ht@viper
6898     \advance \@reqcolroom \ht@viper
6899     \advance \@reqcolroom \stripsep
6900     \if@flushend@auto@baselineskip
6901         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
6902             \global\lastskip@d\lastskip
6903             \global\lastskip@b\lastskip
6904             \loop
6905                 \global\lastskip@a\lastskip@b
6906                 \unskip\unpenalty
6907                 \global\lastskip@b\lastskip
6908                 \global\advance\lastskip@d by\lastskip
6909                 \ifdim\lastskip@b=-\lastskip@a
6910                     \global\advance\lastskip@d by-\lastskip
6911                 \else
6912                     \repeat
6913                 \ifdim\lastskip@b=-\lastskip@a
6914                     \ifdim\lastskip@b=\z@
6915                         \setbox\lastbox@a\lastbox
6916                         \global\advance\lastskip@d by\ht\lastbox@a
6917                         \global\advance\lastskip@d by\lastskip
6918                         \unskip\unpenalty
6919                         \setbox\lastbox@a\lastbox
6920                         \global\advance\lastskip@d by\dp\lastbox@a
6921                     \else
6922                         \global\lastskip@d\lastskip
6923                         \global\advance\lastskip@d by\topskip
6924                     \fi
6925                 \fi
6926                 \global\advance\lastskip@d by-\topskip
6927             }%
6928     \ifdim\ht\@holdpg>\@colht

```



```

6929 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
6930 \par\eject
6931 \vbox to \@colht{\unvbox\@holdpg\unskip}%
6932 }%
6933 \else
6934 \global\setbox\@holdpg\vbox{%
6935 \unvbox\@leftcolumn\unskip\unpenalty
6936 \vskip\lastskip@d
6937 \the\At@ViperColsBreak
6938 \unvbox\@holdpg
6939 \unskip
6940 }%
6941 \fi
6942 \else
6943 \global\setbox\@holdpg\vbox{%
6944 \unvbox\@leftcolumn
6945 \setbox\@tempboxa\lastbox
6946 \on@stripcols@break
6947 \the\At@ViperColsBreak
6948 \unvbox\@holdpg
6949 }%
6950 \fi
6951 \global\At@ViperColsBreak{}}%
6952 \ht@viper .5\ht\@holdpg
6953 \ifdim \ht@viper>\@colht
6954 \ht@viper \@colht
6955 \fi
6956 \ifvoid\hold@viper\@tempdima=\z@ \else \@tempdima\ht\hold@viper\fi
6957 %%
6958 \@tempdimb \ht@viper
6959 \loop
6960 \setbox\v@aaa\copy\@holdpg
6961 \setbox\v@ccc\vbox to\@tempdimb{%
6962 \vsplit\v@aaa to\@tempdimb
6963 \vss
6964 \vsplit\v@aaa to\@tempdimb
6965 }%
6966 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6967 \ifvoid\v@aaa
6968 \else
6969 \advance\@tempdimb 1\p@
6970 \repeat
6971 \loop
6972 \setbox\v@aaa\copy\@holdpg
6973 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
6974 \wlog{(2)Left:\the\ht\v@ccc\space
6975 Right:\the\ht\v@aaa\space
6976 Output:\the\@tempdimb
6977 }%
6978 \ifdim\ht\v@ccc<\ht\v@aaa

```



```

6979 \tempdimb \the\ht\v@aaa
6980 \repeat
6981 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
6982 ^^^JRight:\the\ht\v@aaa
6983 ^^^JOutput:\the\tempdimb
6984 }%
6985 \setbox\v@ccc\vbox to\tempdimb{\vsplit\@holdpg to\tempdimb\vss}%
6986 \setbox\@tempboxa\vbox{%
6987 \hb@xt@\textwidth {%
6988 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6989 \hfil
6990 \vrule \@width\columnseprule
6991 \hfil
6992 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6993 }%
6994 }%
6995 \ifvoid\hold@viper
6996 \global\setbox\hold@viper \vbox {%
6997 \unvbox\@tempboxa
6998 \penalty\interlinepenalty
6999 \vskip\stripsep
7000 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7001 \outputpenalty \z@
7002 }%
7003 \else
7004 \global\setbox\hold@viper \vbox {%
7005 \unvbox\hold@viper
7006 \unvbox\@tempboxa
7007 \penalty\interlinepenalty
7008 \vskip\stripsep
7009 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7010 \outputpenalty \z@
7011 }%
7012 \fi
7013 \ifdim \@colht>\@reqcolroom
7014 \global\setbox\hold@viper \vbox {%
7015 \unvbox\hold@viper
7016 \box\@viper
7017 \penalty\interlinepenalty
7018 \vskip\stripsep
7019 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7020 \outputpenalty \z@
7021 }%
7022 \@inserttrue
7023 \global\@firstcolumntrue
7024 \advance\@tempdima by-\ht\hold@viper
7025 \global \advance \@colht \@tempdima
7026 \ifdim \@colht<2.5\baselineskip
7027 \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7028 too tall on page \thepage (2 stulpelis)}%

```



```

7029         \@emptycol
7030         \if@firstcolumn
7031         \else
7032             \@emptycol
7033         \fi
7034         \global\@lastvipertrue
7035     \else
7036         \global \vsize \@colht
7037         \global \@colroom \@colht
7038         \check@floats
7039         \ifdim\@tempdima>\z@
7040             \global\advance\@colroom by-\@tempdima
7041         \fi
7042         \ifdim\@colroom<\z@
7043             \global\@colroom 1pt
7044             \ifdim\@tempdima>\@colht
7045                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7046                                         netelpe lape \thepage (2 stulpelis))}%
7047             \fi
7048             \@emptycol
7049             \if@firstcolumn
7050             \else
7051                 \@emptycol
7052             \fi
7053             \global\@lastvipertrue
7054         \fi
7055     \fi
7056 \fi
7057 \fi
7058 \if@insert
7059 \else
7060     \advance\@tempdima by-\ht\hold@viper
7061     \global \advance \@colht \@tempdima
7062     \global\setbox\hold@viper \vbox {%
7063                                     \unvbox\hold@viper
7064                                     \csname viper@top@hook\endcsname
7065                                     \vsplit\@viper to \@colht
7066                                     \vss
7067                                     }%
7068     \vbox{}}%
7069     \global\@firstcolumnfalse
7070     \newpage
7071 \fi
7072 }

```

7.46 cvthemebidicasual.sty

```

7073 \NeedsTeXFormat{LaTeX2e}
7074 \ProvidesPackage{cvthemebidicasual}
7075 \DeclareOption{blue}{}

```



```

7076 \newif\if@colourorange\@colourorangefalse
7077 \DeclareOption{orange}{\@colourorangetrue}
7078 \newif\if@colourgreen\@colourgreenfalse
7079 \DeclareOption{green}{\@colourgreentrue}
7080 \newif\if@colourred\@colourredfalse
7081 \DeclareOption{red}{\@colourredtrue}
7082 \newif\if@colourgrey\@colourgreyfalse
7083 \DeclareOption{grey}{\@colourgreytrue}
7084 \DeclareOption*{
7085   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
7086 \ExecuteOptions{colour}
7087 \ProcessOptions\relax
7088 \renewcommand*{\listitemsymbol}{\textbullet}
7089 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7090 \familynamecolour{808080}
7091 \firstnamecolour{A9A9A9}
7092 \quotecolour{696969}
7093 \addresscolour{696969}
7094 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7095 \sectiontitlecolour{1E90FF}
7096 \subsectioncolour{4682B4}
7097 \definecolor{rulecolour}{gray}{0.6}
7098 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7099 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7100 \if@colourorange
7101   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7102   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7103   \sectiontitlecolour{FF8C00}
7104   \subsectioncolour{FF8C00}
7105   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7106   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7107 \if@colourgreen
7108   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7109   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7110   \sectiontitlecolour{008000}
7111   \subsectioncolour{008000}
7112   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7113   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7114 \if@colourred
7115   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7116   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7117   \sectiontitlecolour{FF0000}
7118   \subsectioncolour{FF0000}
7119   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7120   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7121 \if@colourgrey
7122   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7123   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7124   \sectiontitlecolour{808080}
7125   \subsectioncolour{808080}

```



```

7126 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7127 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7128 \renewcommand*{\ttdefault}{pcr}
7129 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7130 \renewcommand*{\familynamefont}{\firstnamefont}
7131 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7132 \renewcommand*{\quoteftfont}{\large\slshape}
7133 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7134 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7135 \renewcommand*{\maketitle}{%
7136   {%
7137     \ifthenelse{\isundefined{\@photo}}{%
7138       {}%
7139       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7140       \hfill%
7141       \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7142       {\color{firstnamecolor}\rule{\textwidth}{.25ex}}\[2.5em]}%
7143     \ifthenelse{\isundefined{\@quote}}{%
7144       {}%
7145       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.
7146     }%
7147 \newif\if@firstfooterelement\@firstfooterelementtrue
7148 \providecommand*{\footersymbol}{%
7149 \renewcommand*{\footersymbol}{%
7150 \if@firstfooterelement%
7151 \else%
7152   {~~\color{footersymbolcolor}\textbullet~~}\fi}
7153 \providecommand*{\makefooter}{%
7154 \renewcommand*{\makefooter}{%
7155 \fancypagestyle{plain}{%
7156 \fancyfoot[c]{%
7157 \parbox{0.8\textwidth}{%
7158 \centering%
7159 \addressfont\@addresscolour%
7160 \ifthenelse{\isundefined{\@address}}{}{%
7161 \addresssymbol~\@address\%
7162 \@firstfooterelementfalse}%
7163 \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7164 \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7165 \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7166 \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}%
7167 \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7168 }%
7169 \pagestyle{plain}}
7170 \AtBeginDocument{\makefooter}

```

7.47 cvthemebidiclassic.sty

```

7171 \NeedsTeXFormat{LaTeX2e}
7172 \ProvidesPackage{cvthemebidiclassic}

```



```

7173 \DeclareOption{blue}{}
7174 \newif\if@colourorange\@colourorangefalse
7175 \DeclareOption{orange}{\@colourorangetrue}
7176 \newif\if@colourgreen\@colourgreenfalse
7177 \DeclareOption{green}{\@colourgreentrue}
7178 \newif\if@coloured\@colouredfalse
7179 \DeclareOption{red}{\@colouredtrue}
7180 \newif\if@colourgrey\@colourgreyfalse
7181 \DeclareOption{grey}{\@colourgreytrue}
7182 \DeclareOption*{
7183   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7184 \ExecuteOptions{colour}
7185 \ProcessOptions\relax
7186 \renewcommand*{\listitemsymbol}{\textbullet}
7187 \firstnamecolour{}
7188 \familynamecolour{}
7189 \titlecolour{808080}
7190 \quotecolour{696969}
7191 \addresscolour{696969}
7192 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7193 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7194 \sectiontitlecolour{1E90FF}
7195 \subsectioncolour{4682B4}
7196 \if@colourorange
7197   \addresscolour{FF8C00}
7198   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7199   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7200   \sectiontitlecolour{FF8C00}
7201   \subsectioncolour{FF8C00}\fi
7202 \if@colourgreen
7203   \addresscolour{008000}
7204   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7205   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7206   \sectiontitlecolour{008000}
7207   \subsectioncolour{008000}\fi
7208 \if@coloured
7209   \addresscolour{FF0000}
7210   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7211   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7212   \sectiontitlecolour{FF0000}
7213   \subsectioncolour{FF0000}\fi
7214 \if@colourgrey
7215   \addresscolour{808080}
7216   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7217   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7218   \sectiontitlecolour{808080}
7219   \subsectioncolour{808080}\fi
7220 \renewcommand*{\ttdefault}{pcr}
7221 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7222 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}

```



```

7223 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7224 \renewcommand*{\familynamefont}{\firstnamefont}
7225 \renewcommand*{\quoteont}{\large\slshape}
7226 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7227 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7228 \newlength{\maketitlenamemaxwidth}
7229 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7230 \newlength{\maketitlenamefullwidth}
7231 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7232 \newlength{\maketitlenamewidth}
7233 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamefullwidth}
7234 \newlength{\maketitlepicturewidth}
7235 \setlength{\maketitlepicturewidth}{\@photowidth}
7236 \newlength{\maketitledetailwidth}
7237 \renewcommand*{\recomputethemelengths}{%
7238   \setlength{\maketitledetailwidth}{\textwidth}%
7239   \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
7240   \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
7241   \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
7242 \recomputethemelengths
7243 \newif\if@firstdetailselement\@firstdetailselementtrue
7244 \newcommand*{\maketitledetailsnewline}{%
7245   \if@firstdetailselement%
7246     \@firstdetailselementfalse%
7247   \else%
7248     \[.2em]\fi}
7249 \renewcommand*{\maketitle}{%
7250   % name and title
7251   \begin{minipage}[b]{\maketitlenamewidth}%
7252     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7253     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}{}
7254   \end{minipage}%
7255   % optional data
7256   \begin{minipage}[b]{\maketitledetailwidth}%
7257     \bidi@raggedleft\addressfont\@addresscolour%
7258     \ifthenelse{\isundefined{\@address}}{\[1.25em]}{}%
7259     \maketitledetailsnewline%
7260     \addresssymbol~\@address%
7261     \ifthenelse{\isundefined{\@mobile}}{\[1.25em]}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
7262     \ifthenelse{\isundefined{\@phone}}{\[1.25em]}{\maketitledetailsnewline\phonesymbol~\@phone}%
7263     \ifthenelse{\isundefined{\@fax}}{\[1.25em]}{\maketitledetailsnewline\faxsymbol~\@fax}%
7264     \ifthenelse{\isundefined{\@email}}{\[1.25em]}{\maketitledetailsnewline\emailsymbol~\emai link{\@email}}%
7265     \ifthenelse{\isundefined{\@extrainfo}}{\[1.25em]}{\maketitledetailsnewline\@extrainfo}%
7266   \end{minipage}%
7267   % optional photo
7268   \ifthenelse{\isundefined{\@photo}}{\[1.25em]}{}%
7269   \hspace*{\separatorcolumnwidth}\color{firstnamedcolor}\framebox{\includegraphics[width=\maketitlephoto]{\@photo}}%
7270   % optional quote
7271   \ifthenelse{\isundefined{\@quote}}{\[1.25em]}{}%
7272

```




```

7273   {}%
7274   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}[2.
7275   }

```

7.48 dblfnote-xetex-bidi.def

```

7276 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for
7277 \let\autofooterule\relax
7278 \let\rightfootnoterule\relax
7279 \let\leftfootnoterule\relax
7280 \let\textwidthfootnoterule\relax
7281 \let\LRfootnoterule\relax
7282 \def\footnoterule{\kern-3\p@
7283 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7284 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7285 \let\@footnotetext\dfn@footnotetext}
7286 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
7287 \let\insert\dfn@gobble
7288 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7289 \def\@makefnmark{\smash{\dfn@makefnmark}}
7290 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7291 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7292 \ifdim\dfn@dima>\z@else
7293 \dfn@dima1sp\relax
7294 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7295 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7296 \ifvoid\dfn@ins\else
7297 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7298 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7299 \setbox\dfn@boxa\copy\dfn@ins
7300 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7301 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7302 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7303 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7304 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7305 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7306 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7307 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7308 \let\insert\dfn@gobble
7309 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7310 \def\@makefnmark{\smash{\dfn@makefnmark}}
7311 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7312 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7313 \ifdim\dfn@dima>\z@else
7314 \dfn@dima1sp\relax
7315 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7316 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7317 \ifvoid\dfn@ins\else
7318 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7319 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%

```



```

7320 \setbox\dfn@boxa\copy\dfn@ins
7321 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7322 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7323 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7324 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7325 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}%
7326 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7327 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7328 \def\dfn@RTLmakecol{\ifvoid\footins\else
7329 \dfn@dima\ht\footins
7330 \@tempcnta\z@ \dfn@countins
7331 \@tempdima\z@ \let\@elt\dfn@elt@getht
7332 \dfn@list\@nil
7333 \ifdim\@tempdima=\z@\else
7334 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7335 \global\setbox\dfn@ins\box\dfn@ins
7336 \@tempswatrue
7337 \ifdfn@trysingle
7338 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7339 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7340 \advance\@tempdima-\skip\footins
7341 \advance\@tempdima-\ht\dfn@boxa
7342 \ifdim\@tempdima<\z@\else \@tempswafalse
7343 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7344 \footnoterule \unvbox\dfn@boxa}\fi\fi
7345 \if@tempswa
7346 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7347 \global\setbox\footins\vbox{\hbox{%
7348 \hskip \DFNcolumnwidth
7349 \hskip\DFNcolumnsep
7350 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7351 \unvbox\dfn@boxb\vss}\hss}
7352 \hskip -\textwidth
7353 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7354 \vbox to\@tempdima{
7355 \setbox\@tempboxa\vbox{\footnoterule}
7356 \ifdfn@ruleboth \unvbox\@tempboxa
7357 \else \@tempdima\ht\@tempboxa
7358 \advance\@tempdima\dp\@tempboxa
7359 \vskip\@tempdima
7360 \prevdepth\dp\@tempboxa \fi
7361 \unvbox\dfn@boxa\vss}\fi\hss}
7362 \hskip \DFNcolumnsep
7363 \hskip \DFNcolumnwidth}}}\fi\fi
7364 \global\dfn@fnht\z@
7365 \ifx\dfn@list\@empty\else
7366 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7367 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7368 \let\@elt\relax
7369 \ifdim\dfn@dimb>\z@

```



```

7370         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7371         \insert\footins{\floatingpenalty\@MM
7372         \vbox to\dfn@dimb{}}\fi
7373     \ifdim\dfn@fnht>\@tempdima
7374         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7375         \global\dfn@fnht\@tempdima
7376     \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7377     \xdef\dfn@afteroutput{\insert\footins{
7378         \floatingpenalty\@MM
7379         \vbox to\number\@tempdimb sp{}}%
7380     \global\let\noexpand\dfn@afteroutput\relax}%
7381 \fi\fi
7382 \fi}%
7383 \let\footnoterule\relax \dfn@latex@makecol
7384 \let\footnoterule\dfn@footnoterule}
7385 \def\dfn@LTRmakecol{\ifvoid\footins\else
7386     \dfn@dima\ht\footins
7387     \@tempcnta\z@ \dfn@countins
7388     \@tempdima\z@ \let\@elt\dfn@elt@getht
7389     \dfn@list\@nil
7390     \ifdim\@tempdima=\z@\else
7391     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7392     \global\setbox\dfn@ins\box\dfn@ins
7393     \@tempswatrue
7394     \ifdfn@trysingle
7395         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7396         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7397         \advance\@tempdima-\skip\footins
7398         \advance\@tempdima-\ht\dfn@boxa
7399         \ifdim\@tempdima<\z@\else \@tempswafalse
7400             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7401             \footnoterule \unvbox\dfn@boxa}\fi\fi
7402     \if@tempswa
7403     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7404     \global\setbox\footins\vbox{\hbox{%
7405         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7406             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7407         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7408             \vbox to\@tempdima{
7409                 \setbox\@tempboxa\vbox{\footnoterule}
7410                 \ifdfn@ruleboth \unvbox\@tempboxa
7411                 \else \@tempdima\ht\@tempboxa
7412                 \advance\@tempdima\dp\@tempboxa
7413                 \vskip\@tempdima
7414                 \prevdepth\dp\@tempboxa \fi
7415                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7416     \global\dfn@fnht\z@
7417     \ifx\dfn@list\@empty\else
7418         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7419         \dfn@list \global\advance\dfn@fnht\dfn@dimb

```



```

7420         \let\@elt\relax
7421         \ifdim\dfn@dimb>\z@
7422             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7423             \insert\footins{\floatingpenalty\@MM
7424                 \vbox to\dfn@dimb{}}\fi
7425         \ifdim\dfn@fnht>\@tempdima
7426             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7427             \global\dfn@fnht\@tempdima
7428             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7429             \xdef\dfn@afteroutput{\insert\footins{
7430                 \floatingpenalty\@MM
7431                 \vbox to\number\@tempdimb sp{}}%
7432                 \global\let\noexpand\dfn@afteroutput\relax}%
7433         \fi\fi
7434     \fi}%
7435     \let\footnoterule\relax \dfn@latex@makecol
7436     \let\footnoterule\dfn@footnoterule}
7437 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7438 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7439 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7440 \DFNalwaysdouble

```

7.49 draftwatermark-xetex-bidi.def

```

7441 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
7442 \renewcommand\SetWatermarkText[1]{%
7443     \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.50 eso-pic-xetex-bidi.def

```

7444 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for XeLaTeX]
7445 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7446     \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}}
7447
7448 \ESO@isMEMOIR{%
7449     \renewcommand\AtTextUpperLeft[1]{%
7450         \begingroup
7451         \ifodd\c@page
7452             \@tempdima=\spinemargin
7453         \else
7454             \@tempdima=\paperwidth
7455             \advance\@tempdima-\textwidth
7456             \advance\@tempdima-\spinemargin
7457         \fi
7458         \@tempdimb=-\uppermargin
7459         \AtPageUpperLeft{%
7460             \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7461             }%
7462         \endgroup
7463     }
7464 }%

```



```

7465 \renewcommand\AtTextUpperLeft[1]{%
7466 \begingroup
7467 \@tempdima=1in\relax
7468 \ifodd\c@page
7469 \advance\@tempdima\oddsidemargin
7470 \else
7471 \advance\@tempdima\evensidemargin
7472 \fi
7473 \@tempdimb=-1in\relax
7474 \advance\@tempdimb-\topmargin
7475 \advance\@tempdimb-\headheight
7476 \advance\@tempdimb-\headsep
7477 \AtPageUpperLeft{%
7478 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7479 }%
7480 \endgroup
7481 }
7482 }

```

7.51 empheq-xetex-bidi.def

```

7483 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
7484 \MHInternalSyntaxOn
7485 \def\EQ_tag_plus_endmark:{%
7486 \iftagsleft@
7487 \gdef\maketag@@@##1{%
7488 \hfuzz\displaywidth
7489 \if@RTL\makebox[\widthof{##1}][r]{%
7490 \hbox to \displaywidth{\m@th\normalfont##1\hss
7491 \raisebox{-\dp\EQ_mathdisplay_box
7492 -\depthof{\EQ_outerbox:}}{
7493 {\PotEndMark{\hss}}}}
7494 \else\makebox[\widthof{##1}][l]{%
7495 \hbox to \displaywidth{\m@th\normalfont##1\hss
7496 \raisebox{-\dp\EQ_mathdisplay_box
7497 -\depthof{\EQ_outerbox:}}{
7498 {\PotEndMark{\hss}}}}\fi}%
7499 \else:
7500 \gdef\maketag@@@##1{%
7501 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{
7502 \settoheight{\@tempdima}{\@nameuse{InTheoType Symbol}}%
7503 \MH_addtolength:dn \@tempdima
7504 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7505 \setlength{\@tempdimb}
7506 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
7507 +\depthof{\EQ_innerbox:}}}
7508 \if_dim:w \@tempdima>\@tempdimb
7509 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7510 -\@tempdima+\g_EQ_bottomrow_depth_dim}
7511 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%

```



```

7512         \def\EQ_next:{\raisebox{\@tempdima}}%
7513     \else:
7514         \def\EQ_next:{
7515             \raisebox{-\dp\EQ_mathdisplay_box
7516                 -\depthof{\EQ_outerbox:}}}%
7517         \fi:\EQ_next:}}}%
7518 \fi:}
7519 \def\EQ_post_process:{%
7520 \EQ_initialize:
7521 \EQ_begin_equation:
7522 \MH_if_boolean:nT {outer_mult}{
7523     \setkeys{\MT_options_name:}{
7524         firstline-afterskip=0pt,
7525         lastline-preskip=0pt,
7526         multlined-width=0pt,
7527     }
7528     \ifodd \l_EQ_alignmentmode_int
7529         \setkeys{\MT_options_name:}{multlined-pos=b}
7530     \else:
7531         \setkeys{\MT_options_name:}{multlined-pos=t}
7532     \fi:
7533     \g@addto@macro\EQ_complete_mathdisplay:{
7534         \begin{MTmultlined}\relax
7535     }
7536     \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7537     \MH_if_boolean:nT {outer_mult}{
7538         \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7539     }
7540 \EQ_end_equation:
7541 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7542 \savecounters@
7543 \EQ_typeset_tags:
7544 \edef\l_EQ_equation_fint{\number\c@equation}
7545 \restorecounters@
7546 \Hy@linkcounter=\EQ_hyperref_link_fint
7547 \settowidth\l_EQ_totalwidth_dim{%
7548     $\EQ_left_side:\EQ_innerbox:}\EQ_right_side:$}%
7549 \MH_if_boolean:nTF {outer_mult}
7550 { \def\EQ_next:{_mult} }
7551 { \def\EQ_next:{} }
7552 \@nameuse{EQ_modify_linewidth_
7553     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7554 \EQ_typeset_display:
7555 \@nameuse{find_displaywidth_
7556     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7557 \MH_addtolength:dn
7558 \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7559 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7560     $\EQ_left_side:
7561     \EQ_innerbox:%

```



```

7562 \if_case:w \l_EQ_alignmentmode_int\or:
7563 \makebox[\l_EQ_displaywidth_dim][c]
7564 {\usebox{\EQ_mathdisplay_box}}%
7565 \or:
7566 \makebox[\l_EQ_displaywidth_dim][c]
7567 {\usebox{\EQ_mathdisplay_box}}%
7568 \or:
7569 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7570 \if_num:w \l_EQ_equationtype_int=5 \else:
7571 \if_num:w \l_EQ_equationtype_int=6 \else:
7572 \kern-\@mathmargin
7573 \fi:
7574 \fi:
7575 \usebox{\EQ_mathdisplay_box}}%
7576 \else\makebox[\l_EQ_displaywidth_dim][l]{%
7577 \if_num:w \l_EQ_equationtype_int=5 \else:
7578 \if_num:w \l_EQ_equationtype_int=6 \else:
7579 \kern-\@mathmargin
7580 \fi:
7581 \fi:
7582 \usebox{\EQ_mathdisplay_box}}\fi%
7583 \or:
7584 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7585 \if_num:w \l_EQ_equationtype_int=5 \else:
7586 \if_num:w \l_EQ_equationtype_int=6 \else:
7587 \kern-\@mathmargin
7588 \fi:
7589 \fi:
7590 \usebox{\EQ_mathdisplay_box}}
7591 \else\makebox[\l_EQ_displaywidth_dim][l]{%
7592 \if_num:w \l_EQ_equationtype_int=5 \else:
7593 \if_num:w \l_EQ_equationtype_int=6 \else:
7594 \kern-\@mathmargin
7595 \fi:
7596 \fi:
7597 \usebox{\EQ_mathdisplay_box}}\fi%
7598 \fi:}%
7599 \EQ_right_side:$}%
7600 \begin{AmSequation*}
7601 \@nameuse{EQ_place_display_
7602 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7603 \if_dim:w \g_EQ_widesttag_dim>\z@
7604 \MH_set_boolean_T:n {show_manual_tags}
7605 \if_case:w \l_EQ_alignmentmode_int
7606 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
7607 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
7608 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7609 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
7610 \fi:
7611 \fi:

```



```

7612 \end{AmSequation*}
7613 \global\c@equation=\l_EQ_equation_fint\relax
7614 }
7615 \AtBeginDocument{%
7616 \ifpackageloaded{fancybox}{%
7617 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7618 {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
7619 \renewcommand*{\shadowbox{%
7620 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
7621 \VerbBox\EQ_shadowbox:n}
7622 {\MH_set_boolean_F:n {shadowbox_star}
7623 \VerbBox\EQ_shadowbox:n}}
7624 \def\EQ_shadowbox:n #1{%
7625 \sbox{\z@}{\fbox{#1}}%
7626 \MH_if_boolean:nTF {shadowbox_star}{
7627 \MH_setlength:dn \@tempdima{\z@}%
7628 }{
7629 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
7630 }
7631 \raisebox{\@tempdima}{%
7632 \if@RTL\makebox[\z@][r]{%
7633 \kern\shadowsize \textcolor{shadowcolor}{%
7634 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
7635 }%
7636 \else\makebox[\z@][l]{%
7637 \kern\shadowsize \textcolor{shadowcolor}{%
7638 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
7639 }\fi%
7640 \usebox\z@\textcolor{shadowcolor}{%
7641 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
7642 }{}%
7643 }
7644 \MHInternalSyntaxOff

```

7.52 extarticle-xetex-bidi.def

```

7645 \ProvidesFile{extarticle-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for extarticle class f
7646 \renewcommand*\l@section[2]{%
7647 \ifnum \c@tocdepth >\z@
7648 \addpenalty\@secpenalty
7649 \addvspace{1.0em \@plus\p@}%
7650 \setlength\@tempdima{1.5em}%
7651 \begingroup
7652 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7653 \parfillskip -\@pnumwidth
7654 \leavevmode \bfseries
7655 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
7656 \hskip -\if@RTL\rightskip\else\leftskip\fi
7657 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7658 \endgroup

```




```

7659 \fi}
7660 \renewcommand*\l@part[2]{%
7661 \ifnum \c@tocdepth >-2\relax
7662 \addpenalty\@secpenalty
7663 \addvspace{2.25em \@plus\p@}%
7664 \begingroup
7665 \setlength\@tempdima{3em}%
7666 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7667 \parfillskip -\@pnumwidth
7668 {\leavevmode
7669 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7670 \nobreak
7671 \endgroup
7672 \fi}
7673 \def\@part[#1]#2{%
7674 \ifnum \c@secnumdepth >\m@ne
7675 \refstepcounter{part}%
7676 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7677 \else
7678 \addcontentsline{toc}{part}{#1}%
7679 \fi
7680 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7681 \interlinepenalty \@M
7682 \normalfont
7683 \ifnum \c@secnumdepth >\m@ne
7684 \Large\bfseries \partname~\thepart
7685 \par\nobreak
7686 \fi
7687 \huge \bfseries #2%
7688 \markboth{}{}\par}%
7689 \nobreak
7690 \vskip 3ex
7691 \@afterheading}
7692 \def\@spart#1{%
7693 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7694 \interlinepenalty \@M
7695 \normalfont
7696 \huge \bfseries #1\par}%
7697 \nobreak
7698 \vskip 3ex
7699 \@afterheading}
7700 \renewenvironment{thebibliography}[1]
7701 {\section*{\refname
7702 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7703 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7704 \list{\@biblabel{\@arabic\c@enumiv}}%
7705 {\settowidth\labelwidth{\@biblabel{#1}}%
7706 \leftmargin\labelwidth
7707 \advance\leftmargin\labelsep
7708 \openbib@code

```



```

7709         \usecounter{enumiv}%
7710         \let\p@enumiv\@empty
7711         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7712     \sloppy\clubpenalty4000\widowpenalty4000%
7713     \sfcode`.\@m}
7714     {\def\@noitemerr
7715     {\@latex@warning{Empty `thebibliography' environment}}}%
7716     \endlist}
7717 \renewcommand\left@footnoterule{%
7718     \kern-3\p@
7719     \hrule\@width.4\columnwidth
7720     \kern2.6\p@}
7721 \renewcommand\right@footnoterule{%
7722     \kern-3\p@
7723     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7724     \kern2.6\p@}
7725     \if@titlepage
7726 \renewcommand\maketitle{\begin{titlepage}%
7727 \let\footnotesize\small
7728 \let\right@footnoterule\relax
7729 \let\left@footnoterule\relax
7730 \let\textwidth\footnoterule\relax
7731 \let \footnote \thanks
7732 \null\vfil
7733 \vskip 60\p@
7734 \begin{center}%
7735     {\LARGE \@title \par}%
7736     \vskip 3em%
7737     {\large
7738     \lineskip .75em%
7739     \begin{tabular}[t]{c}%
7740         \@author
7741     \end{tabular}\par}%
7742     \vskip 1.5em%
7743     {\large \@date \par}%           % Set date in \large size.
7744 \end{center}\par
7745 \@thanks
7746 \vfil\null
7747 \end{titlepage}%
7748 \setcounter{footnote}{0}%
7749 \global\let\thanks\relax
7750 \global\let\maketitle\relax
7751 \global\let\@thanks\@empty
7752 \global\let\@author\@empty
7753 \global\let\@date\@empty
7754 \global\let\@title\@empty
7755 \global\let\title\relax
7756 \global\let\author\relax
7757 \global\let\date\relax
7758 \global\let\and\relax

```



```

7759 }
7760 \else
7761 \renewcommand\maketitle{\par
7762 \beginngroup
7763 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7764 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7765 \long\def\@makefntext##1{\parindent 1em\noindent
7766 \hb@xt@1.8em{%
7767 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7768 \if@twocolumn
7769 \ifnum \col@number=\@ne
7770 \maketitle
7771 \else
7772 \twocolumn[\maketitle]%
7773 \fi
7774 \else
7775 \newpage
7776 \global\@topnum\z@ % Prevents figures from going at top of page.
7777 \maketitle
7778 \fi
7779 \thispagestyle{plain}\@thanks
7780 \endgroup
7781 \setcounter{footnote}{0}%
7782 \global\let\thanks\relax
7783 \global\let\maketitle\relax
7784 \global\let\@maketitle\relax
7785 \global\let\@thanks\@empty
7786 \global\let\@author\@empty
7787 \global\let\@date\@empty
7788 \global\let\@title\@empty
7789 \global\let\title\relax
7790 \global\let\author\relax
7791 \global\let\date\relax
7792 \global\let\and\relax
7793 }
7794 \def\@maketitle{%
7795 \newpage
7796 \null
7797 \vskip 2em%
7798 \begin{center}%
7799 \let \footnote \thanks
7800 {\LARGE \@title \par}%
7801 \vskip 1.5em%
7802 {\large
7803 \lineskip .5em%
7804 \begin{tabular}[t]{c}%
7805 \@author
7806 \end{tabular}\par}%
7807 \vskip 1em%
7808 {\large \@date}%

```



```

7809 \end{center}%
7810 \par
7811 \vskip 1.5em}
7812 \fi
7813 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
7814 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7815 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7816 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

7.53 extbook-xetex-bidi.def

```

7817 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
7818 \if@titlepage
7819 \renewcommand\maketitle{\begin{titlepage}%
7820 \let\footnotesize\small
7821 \let\right@footnoterule\relax
7822 \let\left@footnoterule\relax
7823 \let\textwidth\footnoterule\relax
7824 \let \footnote \thanks
7825 \let \LTRfootnote \LTRthanks
7826 \let \RTLfootnote \RTLthanks
7827 \null\vfil
7828 \vskip 60\p@
7829 \begin{center}%
7830 {\LARGE \@title \par}%
7831 \vskip 3em%
7832 {\large
7833 \lineskip .75em%
7834 \begin{tabular}[t]{c}%
7835 \@author
7836 \end{tabular}\par}%
7837 \vskip 1.5em%
7838 {\large \@date \par}% % Set date in \large size.
7839 \end{center}\par
7840 \@thanks
7841 \vfil\null
7842 \end{titlepage}%
7843 \setcounter{footnote}{0}%
7844 \global\let\thanks\relax
7845 \global\let\LTRthanks\relax
7846 \global\let\RTLthanks\relax
7847 \global\let\maketitle\relax
7848 \global\let\@thanks\@empty
7849 \global\let\@author\@empty
7850 \global\let\@date\@empty
7851 \global\let\@title\@empty
7852 \global\let\title\relax
7853 \global\let\author\relax
7854 \global\let\date\relax
7855 \global\let\and\relax

```



```

7856 }
7857 \else
7858 \renewcommand\maketitle{\par
7859   \begin{group}
7860     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7861     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7862     \long\def\@makefntext##1{\parindent 1em\noindent
7863       \hb@xt@1.8em{%
7864         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7865     \if@twocolumn
7866       \ifnum \col@number=\@ne
7867         \@maketitle
7868       \else
7869         \twocolumn[\@maketitle]%
7870       \fi
7871     \else
7872       \newpage
7873       \global\@topnum\z@ % Prevents figures from going at top of page.
7874       \@maketitle
7875     \fi
7876     \thispagestyle{plain}\@thanks
7877   \end{group}
7878   \setcounter{footnote}{0}%
7879   \global\let\thanks\relax
7880   \global\let\LTRthanks\relax
7881   \global\let\RTLthanks\relax
7882   \global\let\maketitle\relax
7883   \global\let\@maketitle\relax
7884   \global\let\@thanks\@empty
7885   \global\let\@author\@empty
7886   \global\let\@date\@empty
7887   \global\let\@title\@empty
7888   \global\let\title\relax
7889   \global\let\author\relax
7890   \global\let\date\relax
7891   \global\let\and\relax
7892 }
7893 \def\@maketitle{%
7894   \newpage
7895   \null
7896   \vskip 2em%
7897   \begin{center}%
7898     \let \footnote \thanks
7899     \let \LTRfootnote \LTRthanks
7900     \let \RTLfootnote \RTLthanks
7901     {\LARGE \@title \par}%
7902     \vskip 1.5em%
7903     {\large
7904       \lineskip .5em%
7905       \begin{tabular}[t]{c}%

```



```

7906         \@author
7907         \end{tabular}\par}%
7908         \vskip 1em%
7909         {\large \@date}%
7910     \end{center}%
7911     \par
7912     \vskip 1.5em}
7913 \fi
7914 \renewcommand*\l@part[2]{%
7915     \ifnum \c@tocdepth >-2\relax
7916         \addpenalty{-\@highpenalty}%
7917         \addvspace{2.25em \@plus\p@}%
7918         \begingroup
7919             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7920             \parfillskip -\@pnumwidth
7921             {\leavevmode
7922                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7923             \nobreak
7924             \global\@nobreaktrue
7925             \everypar{\global\@nobreakfalse\everypar{}}%
7926         \endgroup
7927     \fi}
7928 \renewcommand\theequation
7929     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7930 \renewcommand \thefigure
7931     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7932 \renewcommand \thetable
7933     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7934 \renewcommand \thechapter {\@arabic\c@chapter}
7935 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7936 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7937 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7938 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7939 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
7940 \def\@makechapterhead#1{%
7941     \vspace*{50\p@}%
7942     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7943         \ifnum \c@secnumdepth >\m@ne
7944             \if@mainmatter
7945                 \huge\bfseries \@chapapp\space \thechapter
7946                 \par\nobreak
7947                 \vskip 20\p@
7948             \fi
7949             \fi
7950         \interlinepenalty\@M
7951         \Huge \bfseries #1\par\nobreak
7952         \vskip 40\p@
7953     }}
7954
7955 \def\@makeschapterhead#1{%

```



```

7956 \vspace*{50\p@}%
7957 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7958 \normalfont
7959 \interlinepenalty\@M
7960 \Huge \bfseries #1\par\nobreak
7961 \vskip 40\p@
7962 }}
7963 \renewcommand\backmatter{%
7964 \if@openright
7965 \cleardoublepage
7966 \else
7967 \clearpage
7968 \fi
7969 \@mainmatterfalse}
7970 \renewenvironment{thebibliography}[1]
7971 {\chapter*{\bibname
7972 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
7973 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7974 \list{\@biblabel{\@arabic\c@enumiv}}%
7975 {\settowidth\labelwidth{\@biblabel{#1}}%
7976 \leftmargin\labelwidth
7977 \advance\leftmargin\labelsep
7978 \@openbib@code
7979 \usecounter{enumiv}%
7980 \let\p@enumiv\@empty
7981 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7982 \sloppy
7983 \clubpenalty4000
7984 \@clubpenalty \clubpenalty
7985 \widowpenalty4000%
7986 \sfcode\.\@m}
7987 {\def\@noitemerr
7988 {\@latex@warning{Empty `thebibliography' environment}}}%
7989 \endlist}

```

7.54 extletter-xetex-bidi.def

```

7990 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class for
7991 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
7992 \thispagestyle{firstpage}%
7993 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
7994 \else % home address
7995 \thispagestyle{empty}%
7996 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
7997 \fromaddress \*[2\parskip]%
7998 \@date \end{tabular}\par}%
7999 \fi
8000 \vspace{2\parskip}%
8001 {\if@RTL\raggedleft\else\raggedright\fi \toname \[2\parskip] \toaddress \par}%
8002 \vspace{2\parskip}%

```



```

8003 #1\par\nobreak}
8004 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8005 \stopbreaks
8006 \noindent
8007 \ifx\@empty\fromaddress\else
8008 \hspace*{\longindentation}\fi
8009 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8010 \ignorespaces #1\[[6\medskipamount]%
8011 \ifx\@empty\fromsig
8012 \fromname
8013 \else \fromsig \fi\strut}%
8014 \par}
8015 \renewcommand\left@footnoterule{%
8016 \kern-\p@
8017 \hrule \@width .4\columnwidth
8018 \kern .6\p@}
8019 \renewcommand\right@footnoterule{%
8020 \kern-\p@
8021 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8022 \kern .6\p@}

```

7.55 extrafootnotefeatures-xetex-bidi.def

```

8023 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2016/05/10 v1 bidi extra footnote features f
8024 \let\autofootnoterule\relax
8025 \let\rightfootnoterule\relax
8026 \let\leftfootnoterule\relax
8027 \let\textwidthfootnoterule\relax
8028 \let\LRfootnoterule\relax
8029 \def\footnoterule{\kern-3\p@
8030 \hrule \@width \columnwidth \kern 2.6\p@}
8031 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8032 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8033 \renewcommand{\@footnotetext}[1]{%
8034 \insert\footins{%
8035 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8036 \def\baselinestretch{\m@m@footnote@spacing}%
8037 \reset@font
8038 \foottextfont
8039 \@preamfntext
8040 \hsize\columnwidth
8041 \protected@edef\@currentlabel{%
8042 \csname p@footnote\endcsname\@thefnmark}%
8043 \color@begingroup
8044 \@makefntext{%
8045 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8046 \@finalstrut\strutbox}%
8047 \color@endgroup}%
8048 \m@m@mmf@prepare}
8049 \renewcommand{\@RTLfootnotetext}[1]{%

```




```

8050 \insert\footins{%
8051 \RTLtrue%
8052 \def\baselinestretch{\m@m@footnote@spacing}%
8053 \reset@font
8054 \RTLfoottextfont
8055 \@preamfntext
8056 \hsize\columnwidth
8057 \protected@edef\@currentlabel{%
8058 \csname p@footnote\endcsname\@thefnmark}%
8059 \color@begingroup
8060 \@makefntext{%
8061 \rule{z@\footnotesep}{\ignorespaces\RTLfoottextfont #1}%
8062 \@finalstrut\strutbox}%
8063 \color@endgroup}%
8064 \m@mmf@prepare}
8065 \renewcommand{\@LTRfootnotetext}[1]{%
8066 \insert\footins{%
8067 \RTLfalse%
8068 \def\baselinestretch{\m@m@footnote@spacing}%
8069 \reset@font
8070 \LTRfoottextfont
8071 \@preamfntext
8072 \hsize\columnwidth
8073 \protected@edef\@currentlabel{%
8074 \csname p@footnote\endcsname\@thefnmark}%
8075 \color@begingroup
8076 \@makefntext{%
8077 \rule{z@\footnotesep}{\ignorespaces\LTRfoottextfont #1}%
8078 \@finalstrut\strutbox}%
8079 \color@endgroup}%
8080 \m@mmf@prepare}
8081 \renewcommand{\@mpfootnotetext}[1]{%
8082 \global\setbox\@mpfootins\vbox{\ifRTL@footnote\RTLtrue\else\RTLfalse\fi%
8083 \unvbox\@mpfootins
8084 \def\baselinestretch{\m@m@footnote@spacing}%
8085 \foottextfont \hsize\columnwidth \@parboxrestore
8086 \protected@edef\@currentlabel{%
8087 \csname p@mpfootnote\endcsname\@thefnmark}%
8088 \color@begingroup
8089 \reset@font%
8090 \@makefntext{%
8091 \rule{z@\footnotesep}{\ignorespaces\foottextfont #1}%
8092 \@finalstrut\strutbox}%
8093 \color@endgroup}}
8094 \renewcommand{\@mpLTRfootnotetext}[1]{%
8095 \global\setbox\@mpfootins\vbox{\RTLfalse%
8096 \unvbox\@mpfootins
8097 \def\baselinestretch{\m@m@footnote@spacing}%
8098 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8099 \protected@edef\@currentlabel{%

```



```

8100      \csname p@mpfootnote\endcsname\@thefnmark}%
8101      \color@begingroup
8102      \reset@font%
8103      \@makefnfntext{%
8104          \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8105          \@finalstrut\strutbox}%
8106      \color@endgroup}}
8107 \renewcommand{\@mpRTLfootnotetext}[1]{%
8108     \global\setbox\@mpfootins\vbox{\@RTLtrue%
8109         \unvbox\@mpfootins
8110         \def\baselinestretch{\m@m@footnote@spacing}%
8111         \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8112         \protected@edef\@currentlabel{%
8113             \csname p@mpfootnote\endcsname\@thefnmark}%
8114         \color@begingroup
8115         \reset@font%
8116         \@makefnfntext{%
8117             \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8118             \@finalstrut\strutbox}%
8119         \color@endgroup}}
8120 \let\m@mold@footnotetext\@footnotetext
8121 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8122 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8123 \let\m@mold@mpfootnotetext\@mpfootnotetext
8124 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8125 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8126 \bidi@ensure@newcommand{\normalfootnotes}{%
8127     \let\@footnotetext\m@mold@footnotetext
8128     \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8129     \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8130     \let\@mpfootnotetext\m@mold@mpfootnotetext
8131     \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8132     \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
8133 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8134 \bidi@ensure@newcommand*\{RTLcolumnfootnotes\}{\RTLcolumnfootnotestruer}
8135 \bidi@ensure@newcommand*\{LTRcolumnfootnotes\}{\RTLcolumnfootnotesfalse}
8136 \bidi@ensure@newcommand*\{setSingleSpace\}[1]{%
8137     \def\m@m@singlespace{#1}%
8138     \def\m@m@footnote@spacing{#1}%
8139     \def\m@m@float@spacing{#1} %
8140 }
8141 \setSingleSpace{1}
8142 \bidi@ensure@newcommand*\{multiplefootnotemarker\}{3sp}
8143 \bidi@ensure@newcommand*\{m@m@mf@prepare\}{%
8144     \kern-\multiplefootnotemarker
8145     \kern\multiplefootnotemarker\relax}
8146 \bidi@ensure@newlength{\footmarkwidth}
8147 \bidi@ensure@newlength{\footmarksep}
8148 \bidi@ensure@newlength{\footparindent}
8149 \bidi@ensure@newcommand*\{footmarkstyle\}[1]{\def\footscript##1{#1}}

```



```

8150 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8151 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8152 \bidi@ensure@newcommand{\footfootmark}{%
8153   \ifdim\footmarkwidth < \z@
8154     \llap{\hb@xt@ -\footmarkwidth{%
8155       \hss\normalfont\footscript{\@thefnmark}}}%
8156     \hspace*{-\footmarkwidth}}%
8157   \else
8158     \ifdim\footmarkwidth = \z@
8159       {\normalfont\footscript{\@thefnmark}}%
8160     \else
8161       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8162     \fi
8163   \fi}
8164 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8165   \ifdim\footmarkwidth < \z@
8166     \llap{\hb@xt@ -\footmarkwidth{%
8167       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8168     \hspace*{-\footmarkwidth}}%
8169   \else
8170     \ifdim\footmarkwidth = \z@
8171       {\normalfont\LTRfootscript{\@thefnmark}}%
8172     \else
8173       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8174     \fi
8175   \fi}
8176 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8177   \ifdim\footmarkwidth < \z@
8178     \llap{\hb@xt@ -\footmarkwidth{%
8179       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
8180     \hspace*{-\footmarkwidth}}%
8181   \else
8182     \ifdim\footmarkwidth = \z@
8183       {\normalfont\RTLfootscript{\@thefnmark}}%
8184     \else
8185       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8186     \fi
8187   \fi}
8188 \footmarkstyle{\textsuperscript{#1}}
8189 \LTRfootmarkstyle{\textsuperscript{#1}}
8190 \RTLfootmarkstyle{\textsuperscript{#1}}
8191 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8192 \setlength{\footparindent}{1em}
8193 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8194 \bidi@ensure@newcommand*{\extrafeetins}{%
8195   \setbox\@outputbox \vbox{%
8196     \boxmaxdepth \@maxdepth
8197     \unvbox\@outputbox
8198     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8199     \extrafeetinshook}}

```



```

8200 \bidi@ensure@newcommand{\extrafeetinshook}{%
8201 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8202 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8203 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8204 \bidi@ensure@newlength{\footinsdim}
8205 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8206 \bidi@ensure@newcommand{\@preamfntext}{%
8207 \interlinepenalty\interfootnotelinepenalty
8208 \floatingpenalty \@MM
8209 \splittopskip=\footnotesep
8210 \splitmaxdepth=\dp\strutbox
8211 \@parboxrestore}
8212 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8213 \extrafeetminihook}
8214 \bidi@ensure@newcommand{\extrafeetendmini}{%
8215 \ifvoid\@mpfootinsv@r\else
8216 \vskip\skip\@mpfootins
8217 \normalcolor\footnoterule\mp@footgroupv@r
8218 \fi
8219 \extrafeetendminihook}
8220 \bidi@ensure@newcommand{\extrafeetendminihook}{%
8221 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8222 \def\endminipage{%
8223 \par
8224 \unskip
8225 \ifvoid\@mpfootins\else
8226 \vskip\skip\@mpfootins
8227 \normalcolor
8228 \footnoterule
8229 \unvbox\@mpfootins
8230 \fi
8231 \m@mdoextrafeetendmini
8232 \@minipagefalse
8233 \color@endgroup
8234 \egroup
8235 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
8236 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8237 \@namedef{@footstart#1}{%
8238 \bidi@mopfn@bottom
8239 \vskip\bigskipamount
8240 \leftskip=\z@
8241 \rightskip=\z@
8242 \footnoterule}}
8243 \newinsert\footinsv@r
8244 \skip\footinsv@r\bigskipamount
8245 \count\footinsv@r=1000 % no magnification
8246 \dimen\footinsv@r=\footinsdim
8247 \m@make@footstart{v@r}
8248 \bidi@ensure@newcommand{\@footgroupv@r}{%
8249 \newinsert\@mpfootinsv@r

```



```

8250 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
8251 \newcount\m@m@k \newdimen\m@m@h
8252 \@ifpackageloaded{multicol}{%
8253 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8254 \hsize\textwidth
8255 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8256 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8257 }{%
8258 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8259 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8260 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8261 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8262 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8263 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8264 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8265 \setbox2 \vsplit0 to \dimen0
8266 \unvbox2 }
8267 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8268 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8269 \let\@footnotetext\@twocolfootnotetext
8270 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8271 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8272 \dimen\footinsv@r=2\footinsdim
8273 \count\footinsv@r=500\relax
8274 \m@make@twocol@footgroup{v@r}%
8275 \let\@footgroupv@r\@twocol@footgroupv@r
8276 \let\@mpfootnotetext\@mptwocolfootnotetext
8277 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8278 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8279 \m@make@mptwocol@footgroup{v@r}%
8280 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
8281 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8282 \def\baselinestretch{\m@m@footnote@spacing}%
8283 \reset@font\foottextfont
8284 \@preamfntext
8285 \protected@edef\@currentlabel{%
8286 \csname p@footnote\endcsname\@thefnmark}%
8287 \color@begingroup
8288 \@twocolfootfmt{#1}%
8289 \color@endgroup}%
8290 \m@m@mmf@prepare}
8291 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8292 \def\baselinestretch{\m@m@footnote@spacing}%
8293 \reset@font\LTRfoottextfont
8294 \@preamfntext
8295 \protected@edef\@currentlabel{%
8296 \csname p@footnote\endcsname\@thefnmark}%
8297 \color@begingroup
8298 \@twocolLTRfootfmt{#1}%
8299 \color@endgroup}%

```



```

8300 \m@mmf@prepare}
8301 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8302 \def\baselinestretch{\m@m@footnote@spacing}%
8303 \reset@font\RTLfoottextfont
8304 \@preamfntext
8305 \protected@edef\@currentlabel{%
8306 \csname p@footnote\endcsname\@thefnmark}%
8307 \color@begingroup
8308 \@twocolRTLfootfmt{#1}%
8309 \color@endgroup}%
8310 \m@mmf@prepare}
8311 \bidi@ensure@newcommand{\@preamtwofmt}{%
8312 \hsize .45\hsize
8313 \parindent=\z@
8314 \tolerance=5000\relax
8315 \leavevmode}
8316 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8317 \@preamtwofmt
8318 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8319 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8320 \@preamtwofmt
8321 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8322 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8323 \@preamtwofmt
8324 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8325 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
8326 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8327 \unvbox\@mpfootinsv@r
8328 \def\baselinestretch{\m@m@footnote@spacing}%
8329 \reset@font\foottextfont
8330 \hsize\columnwidth \@parboxrestore
8331 \protected@edef\@currentlabel{%
8332 \csname p@mpfootnote\endcsname\@thefnmark}%
8333 \color@begingroup
8334 \@twocolfootfmt{#1}%
8335 \color@endgroup}%
8336 \m@mmf@prepare}
8337 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8338 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8339 \unvbox\@mpfootinsv@r
8340 \def\baselinestretch{\m@m@footnote@spacing}%
8341 \reset@font\LTRfoottextfont
8342 \hsize\columnwidth \@parboxrestore
8343 \if@RTLcolumnfootnotes\beginL\fi
8344 \protected@edef\@currentlabel{%
8345 \csname p@mpfootnote\endcsname\@thefnmark}%
8346 \color@begingroup
8347 \@twocolLTRfootfmt{#1}%
8348 \color@endgroup}%
8349 \m@mmf@prepare}

```



```

8350 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8351   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8352     \unvbox\@mpfootinsv@r
8353     \def\baselinestretch{\m@m@footnote@spacing}%
8354     \reset@font\RTLfoottextfont
8355     \hsize\columnwidth \@parboxrestore
8356     \protected@edef\@currentlabel{%
8357       \csname p@mpfootnote\endcsname\@thefnmark}%
8358     \color@begingroup
8359     \@twocolRTLfootfmt{#1}%
8360     \color@endgroup}%
8361   \m@m@prepare}
8362 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8363   \m@make@twocolfootnotetext{#1}%
8364   \m@make@mptwocolfootnotetext{#1}%
8365   \m@make@twocolfootfmt{#1}%
8366   \m@make@twocol@footgroup{#1}%
8367   \m@make@mptwocol@footgroup{#1}%
8368   \m@make@footstart{#1}%
8369   \bidi@namelongdef{\footnotetext#1}##1{%
8370     \nameuse{\twocolfootnotetext#1}{##1}}%
8371   \bidi@namelongdef{\mpfootnotetext#1}##1{%
8372     \nameuse{\mptwocolfootnotetext#1}{##1}}%
8373   \@namedef{\footgroup#1}{\nameuse{\twocol@footgroup#1}}%
8374   \@namedef{\mp@footgroup#1}{\nameuse{\mptwocol@footgroup#1}}%
8375   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8376   \expandafter\count\csname footins#1\endcsname=500\relax}
8377 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8378   \bidi@namelongdef{\twocolfootnotetext#1}##1{%
8379     \insert\@nameuse{\footins#1}{%
8380       \def\baselinestretch{\m@m@footnote@spacing}%
8381       \reset@font\@nameuse{\foottextfont#1}%
8382       \@preamfntext
8383       \protected@edef\@currentlabel{%
8384         \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
8385       \color@begingroup
8386       \@nameuse{\twocolfootfmt#1}{##1}%
8387       \color@endgroup}%
8388     \m@m@prepare}}
8389 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8390   \bidi@namelongdef{\mptwocolfootnotetext#1}##1{%
8391     \global\setbox\@nameuse{\mpfootins#1}\vbox{%
8392       \unvbox\@nameuse{\mpfootins#1}
8393       \def\baselinestretch{\m@m@footnote@spacing}%
8394       \reset@font\@nameuse{\foottextfont#1}%
8395       \hsize\columnwidth \@parboxrestore
8396       \protected@edef\@currentlabel{%
8397         \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
8398       \color@begingroup
8399       \@nameuse{\twocolfootfmt#1}{##1}%

```



```

8400 \color@endgroup}\m@mmf@prepare}}
8401 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8402 \namedef{@twocolfootfmt#1}##1{%
8403 \preamtwofmt
8404 {\@nameuse{footfootmark#1}\strut
8405 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8406 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8407 \namedef{@twocol@footgroup#1}{%
8408 \def\baselinestretch{\m@m@footnote@spacing}%
8409 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8410 \m@rigrigidbodybalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8411 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8412 \namedef{@mptwocol@footgroup#1}{%
8413 \def\baselinestretch{\m@m@footnote@spacing}%
8414 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8415 \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
8416 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8417 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8418 \let\@footnotetext\@threecolfootnotetext
8419 \let\@LTRfootnotetext\@threecolLTRfootnotetext
8420 \let\@RTLfootnotetext\@threecolRTLfootnotetext
8421 \dimen\footinsv@r=3\footinsdim
8422 \count\footinsv@r=333\relax
8423 \m@make@threecol@footgroup{v@r}%
8424 \let\@footgroupv@r\@threecol@footgroupv@r
8425 \let\@mpfootnotetext\@mpthreecolfootnotetext
8426 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8427 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8428 \m@make@mpthreecol@footgroup{v@r}%
8429 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
8430 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
8431 \def\baselinestretch{\m@m@footnote@spacing}%
8432 \reset@font\foottextfont
8433 \@preamfntext
8434 \protected@edef\@currentlabel{%
8435 \csname p@footnote\endcsname\@thefnmark}%
8436 \color@begingroup
8437 \@threecolfootfmt{#1}%
8438 \color@endgroup}\m@mmf@prepare}
8439 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8440 \def\baselinestretch{\m@m@footnote@spacing}%
8441 \reset@font\LTRfoottextfont
8442 \@preamfntext
8443 \protected@edef\@currentlabel{%
8444 \csname p@footnote\endcsname\@thefnmark}%
8445 \color@begingroup
8446 \@threecolLTRfootfmt{#1}%
8447 \color@endgroup}\m@mmf@prepare}
8448 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8449 \def\baselinestretch{\m@m@footnote@spacing}%

```




```

8450 \reset@font\RTLfoottextfont
8451 \@preamfntext
8452 \protected@edef\@currentlabel{%
8453   \csname p@footnote\endcsname\@thefnmark}%
8454 \color@begingroup
8455   \@threecolRTLfootfmt{#1}%
8456 \color@endgroup}\m@mmf@prepare}
8457 \bidi@ensure@newcommand{\@preamthreefmt}{%
8458   \hspace{.3\hspace}
8459   \parindent=\z@
8460   \tolerance=5000\relax
8461   \leavevmode}
8462 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8463   \@preamthreefmt
8464   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8465 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8466   \@preamthreefmt
8467   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8468 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8469   \@preamthreefmt
8470   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8471 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8472   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8473     \unvbox\@mpfootinsv@r
8474     \def\baselinestretch{\m@mm@footnote@spacing}%
8475     \reset@font\foottextfont
8476     \hspace\columnwidth \@parboxrestore
8477     \protected@edef\@currentlabel{%
8478       \csname p@mpfootnote\endcsname\@thefnmark}%
8479     \color@begingroup
8480       \@threecolfootfmt{#1}%
8481     \color@endgroup}\m@mmf@prepare}
8482 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8483   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8484     \unvbox\@mpfootinsv@r
8485     \def\baselinestretch{\m@mm@footnote@spacing}%
8486     \reset@font\LTRfoottextfont
8487     \hspace\columnwidth \@parboxrestore
8488     \if@RTLcolumnfootnotes\beginL\fi
8489     \protected@edef\@currentlabel{%
8490       \csname p@mpfootnote\endcsname\@thefnmark}%
8491     \color@begingroup
8492       \@threecolLTRfootfmt{#1}%
8493     \color@endgroup}\m@mmf@prepare}
8494 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8495   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8496     \unvbox\@mpfootinsv@r
8497     \def\baselinestretch{\m@mm@footnote@spacing}%
8498     \reset@font\RTLfoottextfont
8499     \hspace\columnwidth \@parboxrestore

```



```

8500 \protected@edef\@currentlabel{%
8501 \csname p@mpfootnote\endcsname\@thefnmark}%
8502 \color@begingroup
8503 \@threecolRTLfootfmt{#1}%
8504 \color@endgroup}\m@mmf@prepare}
8505 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8506 \m@make@threecolfootnotetext{#1}%
8507 \m@make@mpthreecolfootnotetext{#1}%
8508 \m@make@threecolfootfmt{#1}%
8509 \m@make@threecol@footgroup{#1}%
8510 \m@make@mpthreecol@footgroup{#1}%
8511 \m@make@footstart{#1}%
8512 \bidi@namelongdef{\footnotetext#1}##1{%
8513 \@nameuse{\threecolfootnotetext#1}{##1}}%
8514 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8515 \@nameuse{\mpthreecolfootnotetext#1}{##1}}%
8516 \@namedef{\footgroup#1}{\@nameuse{\threecol@footgroup#1}}%
8517 \@namedef{\mp@footgroup#1}{\@nameuse{\mpthreecol@footgroup#1}}%
8518 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8519 \expandafter\count\csname footins#1\endcsname=333\relax}
8520 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8521 \bidi@namelongdef{\threecolfootnotetext#1}##1{%
8522 \insert\@nameuse{footins#1}{%
8523 \def\baselinestretch{\m@m@footnote@spacing}%
8524 \reset@font\@nameuse{foottextfont#1}%
8525 \@preamfntext
8526 \protected@edef\@currentlabel{%
8527 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8528 \color@begingroup
8529 \@nameuse{\threecolfootfmt#1}{##1}%
8530 \color@endgroup}\m@mmf@prepare}}
8531 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8532 \bidi@namelongdef{\mpthreecolfootnotetext#1}##1{%
8533 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
8534 \unvbox\@nameuse{\mpfootins#1}
8535 \def\baselinestretch{\m@m@footnote@spacing}%
8536 \reset@font\@nameuse{foottextfont#1}%
8537 \hsize\columnwidth \@parboxrestore
8538 \protected@edef\@currentlabel{%
8539 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
8540 \color@begingroup
8541 \@nameuse{\threecolfootfmt#1}{##1}%
8542 \color@endgroup}\m@mmf@prepare}}
8543 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8544 \bidi@namelongdef{\threecolfootfmt#1}##1{%
8545 \@preamthreefmt
8546 {\@nameuse{footfootmark#1}\strut
8547 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8548 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8549 \@namedef{\threecol@footgroup#1}{%

```



```

8550 \def\baselinestretch{\m@m@footnote@spacing}%
8551 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8552 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
8553 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
8554 \@namedef{mpthreecol@footgroup#1}{%
8555 \def\baselinestretch{\m@m@footnote@spacing}%
8556 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8557 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
8558 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8559 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8560 \let\@footnotetext\@fourcolfootnotetext
8561 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8562 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
8563 \dimen\footinsv@r=4\footinsdim
8564 \count\footinsv@r=250\relax
8565 \m@make@fourcol@footgroup{v@r}%
8566 \let\@footgroupv@r\@fourcol@footgroupv@r
8567 \let\@mpfootnotetext\@mpfourcolfootnotetext
8568 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8569 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8570 \m@make@mpfourcol@footgroup{v@r}%
8571 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8572 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8573 \def\baselinestretch{\m@m@footnote@spacing}%
8574 \reset@font\foottextfont
8575 \@preamfntext
8576 \protected@edef\@currentlabel{%
8577 \csname p@footnote\endcsname\@thefnmark}%
8578 \color@begingroup
8579 \@fourcolfootfmt{#1}%
8580 \color@endgroup}%
8581 \m@m@mmf@prepare}
8582 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8583 \def\baselinestretch{\m@m@footnote@spacing}%
8584 \reset@font\LTRfoottextfont
8585 \@preamfntext
8586 \protected@edef\@currentlabel{%
8587 \csname p@footnote\endcsname\@thefnmark}%
8588 \color@begingroup
8589 \@fourcolLTRfootfmt{#1}%
8590 \color@endgroup}%
8591 \m@m@mmf@prepare}
8592 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8593 \def\baselinestretch{\m@m@footnote@spacing}%
8594 \reset@font\RTLfoottextfont
8595 \@preamfntext
8596 \protected@edef\@currentlabel{%
8597 \csname p@footnote\endcsname\@thefnmark}%
8598 \color@begingroup
8599 \@fourcolRTLfootfmt{#1}%

```



```

8600 \color@endgroup}%
8601 \m@mmf@prepare}
8602 \bidi@ensure@newcommand{\@preamfourfmt}{%
8603 \hspace .25\hspace
8604 \parindent=\z@
8605 \tolerance=5000\relax
8606 \leavevmode}
8607 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8608 \@preamfourfmt
8609 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8610 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8611 \@preamfourfmt
8612 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8613 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8614 \@preamfourfmt
8615 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8616 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8617 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8618 \unvbox\@mpfootinsv@r
8619 \def\baselinestretch{\m@m@footnote@spacing}%
8620 \reset@font\foottextfont
8621 \hspace\columnwidth \@parboxrestore
8622 \protected@edef\@currentlabel{%
8623 \csname p@mpfootnote\endcsname\@thefnmark}%
8624 \color@begingroup
8625 \@fourcolfootfmt{#1}%
8626 \color@endgroup}%
8627 \m@mmf@prepare}
8628 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8629 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8630 \unvbox\@mpfootinsv@r
8631 \def\baselinestretch{\m@m@footnote@spacing}%
8632 \reset@font\LTRfoottextfont
8633 \hspace\columnwidth \@parboxrestore
8634 \if@RTLcolumnfootnotes\beginL\fi
8635 \protected@edef\@currentlabel{%
8636 \csname p@mpfootnote\endcsname\@thefnmark}%
8637 \color@begingroup
8638 \@fourcolLTRfootfmt{#1}%
8639 \color@endgroup}%
8640 \m@mmf@prepare}
8641 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8642 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8643 \unvbox\@mpfootinsv@r
8644 \def\baselinestretch{\m@m@footnote@spacing}%
8645 \reset@font\RTLfoottextfont
8646 \hspace\columnwidth \@parboxrestore
8647 \protected@edef\@currentlabel{%
8648 \csname p@mpfootnote\endcsname\@thefnmark}%
8649 \color@begingroup

```



```

8650 \fourcolRTLfootfmt{#1}%
8651 \color@endgroup}%
8652 \m@mmf@prepare}
8653 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
8654 \m@make@fourcolfootnotetext{#1}%
8655 \m@make@mpfourcolfootnotetext{#1}%
8656 \m@make@fourcolfootfmt{#1}%
8657 \m@make@fourcol@footgroup{#1}%
8658 \m@make@mpfourcol@footgroup{#1}%
8659 \m@make@footstart{#1}%
8660 \bidi@namelongdef{@footnotetext#1}##1{%
8661 \nameuse{@fourcolfootnotetext#1}{##1}}%
8662 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8663 \nameuse{@mpfourcolfootnotetext#1}{##1}}%
8664 \namedef{@footgroup#1}{\nameuse{@fourcol@footgroup#1}}%
8665 \namedef{@mpfootgroup#1}{\nameuse{@mpfourcol@footgroup#1}}%
8666 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8667 \expandafter\count\csname footins#1\endcsname=500\relax}
8668 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8669 \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
8670 \insert\nameuse{footins#1}{%
8671 \def\baselinestretch{\m@m@footnote@spacing}%
8672 \reset@font\nameuse{foottextfont#1}%
8673 \preamfntext
8674 \protected@edef\currentlabel{%
8675 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
8676 \color@begingroup
8677 \nameuse{@fourcolfootfmt#1}{##1}%
8678 \color@endgroup}%
8679 \m@mmf@prepare}}
8680 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8681 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
8682 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8683 \unvbox\nameuse{@mpfootins#1}
8684 \def\baselinestretch{\m@m@footnote@spacing}%
8685 \reset@font\nameuse{foottextfont#1}%
8686 \hsize\columnwidth \parboxrestore
8687 \protected@edef\currentlabel{%
8688 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8689 \color@begingroup
8690 \nameuse{@fourcolfootfmt#1}{##1}%
8691 \color@endgroup}\m@mmf@prepare}}
8692 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8693 \namedef{@fourcolfootfmt#1}##1{%
8694 \preamfourfmt
8695 {\nameuse{footfootmark#1}\strut
8696 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8697 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8698 \namedef{@fourcol@footgroup#1}{%
8699 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8700 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8701 \m@rigrigidbodybalance{\nameuse{footins#1}}{4}{\splittopskip}}}}
8702 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8703 \namedef{@mpfourcol@footgroup#1}{%
8704 \def\baselinestretch{\m@footnote@spacing}%
8705 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8706 \m@rigrigidbodybalance{\nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
8707 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
8708 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8709 \let\@footnotetext\@fivecolfootnotetext
8710 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8711 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8712 \dimen\footinsv@r=5\footinsdim
8713 \count\footinsv@r=200\relax
8714 \m@make@fivecol@footgroup{v@r}%
8715 \let\@footgroupv@r\@fivecol@footgroupv@r
8716 \let\@mpfootnotetext\@mpfivecolfootnotetext
8717 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
8718 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8719 \m@make@mpfivecol@footgroup{v@r}%
8720 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
8721 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8722 \def\baselinestretch{\m@footnote@spacing}%
8723 \reset@font\foottextfont
8724 \@preamfntext
8725 \protected@edef\@currentlabel{%
8726 \csname p@footnote\endcsname\@thefnmark}%
8727 \color@begingroup
8728 \@fivecolfootfmt{#1}%
8729 \color@endgroup}%
8730 \m@mmf@prepare}
8731 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8732 \def\baselinestretch{\m@footnote@spacing}%
8733 \reset@font\LTRfoottextfont
8734 \@preamfntext
8735 \protected@edef\@currentlabel{%
8736 \csname p@footnote\endcsname\@thefnmark}%
8737 \color@begingroup
8738 \@fivecolLTRfootfmt{#1}%
8739 \color@endgroup}%
8740 \m@mmf@prepare}
8741 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8742 \def\baselinestretch{\m@footnote@spacing}%
8743 \reset@font\RTLfoottextfont
8744 \@preamfntext
8745 \protected@edef\@currentlabel{%
8746 \csname p@footnote\endcsname\@thefnmark}%
8747 \color@begingroup
8748 \@fivecolRTLfootfmt{#1}%
8749 \color@endgroup}%

```



```

8750 \m@mmf@prepare}
8751 \bidi@ensure@newcommand{\@preamfivefmt}{%
8752 \hsize .2\hsize
8753 \parindent=\z@
8754 \tolerance=5000\relax
8755 \leavevmode}
8756 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8757 \@preamfivefmt
8758 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8759 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8760 \@preamfivefmt
8761 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8762 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8763 \@preamfivefmt
8764 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8765 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8766 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8767 \unvbox\@mpfootinsv@r
8768 \def\baselinestretch{\m@m@footnote@spacing}%
8769 \reset@font\foottextfont
8770 \hsize\columnwidth \@parboxrestore
8771 \protected@edef\@currentlabel{%
8772 \csname p@mpfootnote\endcsname\@thefnmark}%
8773 \color@begingroup
8774 \@fivecolfootfmt{#1}%
8775 \color@endgroup}%
8776 \m@mmf@prepare}
8777 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8778 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8779 \unvbox\@mpfootinsv@r
8780 \def\baselinestretch{\m@m@footnote@spacing}%
8781 \reset@font\LTRfoottextfont
8782 \hsize\columnwidth \@parboxrestore
8783 \if@RTLcolumnfootnotes\beginL\fi
8784 \protected@edef\@currentlabel{%
8785 \csname p@mpfootnote\endcsname\@thefnmark}%
8786 \color@begingroup
8787 \@fivecolLTRfootfmt{#1}%
8788 \color@endgroup}%
8789 \m@mmf@prepare}
8790 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8791 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8792 \unvbox\@mpfootinsv@r
8793 \def\baselinestretch{\m@m@footnote@spacing}%
8794 \reset@font\RTLfoottextfont
8795 \hsize\columnwidth \@parboxrestore
8796 \protected@edef\@currentlabel{%
8797 \csname p@mpfootnote\endcsname\@thefnmark}%
8798 \color@begingroup
8799 \@fivecolRTLfootfmt{#1}%

```



```

8800 \color@endgroup}%
8801 \m@mmf@prepare}
8802 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8803 \m@make@fivecolfootnotetext{#1}%
8804 \m@make@mpfivecolfootnotetext{#1}%
8805 \m@make@fivecolfootfmt{#1}%
8806 \m@make@fivecol@footgroup{#1}%
8807 \m@make@mpfivecol@footgroup{#1}%
8808 \m@make@footstart{#1}%
8809 \bidi@namelongdef{@footnotetext#1}##1{%
8810 \nameuse{@fivecolfootnotetext#1}{##1}}%
8811 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8812 \nameuse{@mpfivecolfootnotetext#1}{##1}}%
8813 \namedef{@footgroup#1}{\nameuse{@fivecol@footgroup#1}}%
8814 \namedef{@mpfootgroup#1}{\nameuse{@mpfivecol@footgroup#1}}%
8815 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8816 \expandafter\count\csname footins#1\endcsname=500\relax}
8817 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8818 \bidi@namelongdef{@fivecolfootnotetext#1}##1{%
8819 \insert\nameuse{footins#1}{%
8820 \def\baselinestretch{\m@m@footnote@spacing}%
8821 \reset@font\nameuse{foottextfont#1}%
8822 \@preamfntext
8823 \protected@edef\currentlabel{%
8824 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
8825 \color@begingroup
8826 \nameuse{@fivecolfootfmt#1}{##1}%
8827 \color@endgroup}%
8828 \m@mmf@prepare}}
8829 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8830 \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
8831 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8832 \unvbox\nameuse{@mpfootins#1}
8833 \def\baselinestretch{\m@m@footnote@spacing}%
8834 \reset@font\nameuse{foottextfont#1}%
8835 \hsize\columnwidth \parboxrestore
8836 \protected@edef\currentlabel{%
8837 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8838 \color@begingroup
8839 \nameuse{@fivecolfootfmt#1}{##1}%
8840 \color@endgroup}\m@mmf@prepare}}
8841 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
8842 \namedef{@fivecolfootfmt#1}##1{%
8843 \@preamfivefmt
8844 {\nameuse{footfootmark#1}\strut
8845 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8846 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8847 \namedef{@fivecol@footgroup#1}{%
8848 \def\baselinestretch{\m@m@footnote@spacing}%
8849 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```




```

8850      \m@rigrigidbodybalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
8851 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8852 \@namedef{@mpfivecol@footgroup#1}{%
8853 \def\baselinestretch{\m@footnote@spacing}%
8854 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8855 \m@rigrigidbodybalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
8856 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8857 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8858 \let\@footnotetext\@sixcolfootnotetext
8859 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8860 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8861 \dimen\footinsv@r=6\footinsdim
8862 \count\footinsv@r=166\relax
8863 \m@make@sixcol@footgroup{v@r}%
8864 \let\@footgroupv@r\@sixcol@footgroupv@r
8865 \let\@mpfootnotetext\@mpsixcolfootnotetext
8866 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
8867 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8868 \m@make@mpsixcol@footgroup{v@r}%
8869 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
8870 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8871 \def\baselinestretch{\m@footnote@spacing}%
8872 \reset@font\foottextfont
8873 \@preamfntext
8874 \protected@edef\@currentlabel{%
8875 \csname p@footnote\endcsname\@thefnmark}%
8876 \color@begingroup
8877 \@sixcolfootfmt{#1}%
8878 \color@endgroup}%
8879 \m@mmf@prepare}
8880 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8881 \def\baselinestretch{\m@footnote@spacing}%
8882 \reset@font\LTRfoottextfont
8883 \@preamfntext
8884 \protected@edef\@currentlabel{%
8885 \csname p@footnote\endcsname\@thefnmark}%
8886 \color@begingroup
8887 \@sixcolLTRfootfmt{#1}%
8888 \color@endgroup}%
8889 \m@mmf@prepare}
8890 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8891 \def\baselinestretch{\m@footnote@spacing}%
8892 \reset@font\RTLfoottextfont
8893 \@preamfntext
8894 \protected@edef\@currentlabel{%
8895 \csname p@footnote\endcsname\@thefnmark}%
8896 \color@begingroup
8897 \@sixcolRTLfootfmt{#1}%
8898 \color@endgroup}%
8899 \m@mmf@prepare}

```



```

8900 \bidi@ensure@newcommand{\@preamsixfmt}{%
8901   \hspace{.16\hsize}
8902   \parindent=\z@
8903   \tolerance=5000\relax
8904   \leavevmode}
8905 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8906   \@preamsixfmt
8907   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8908 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
8909   \@preamsixfmt
8910   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8911 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
8912   \@preamsixfmt
8913   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8914 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
8915   \global\setbox\@mpfootinsv@r\vbox{%
8916     \unvbox\@mpfootinsv@r
8917     \def\baselinestretch{\m@mm@footnote@spacing}%
8918     \reset@font\foottextfont
8919     \hspace\columnwidth \@parboxrestore
8920     \protected@edef\@currentlabel{%
8921       \csname p@mpfootnote\endcsname\@thefnmark}%
8922     \color@begingroup
8923       \@sixcolfootfmt{#1}%
8924     \color@endgroup}%
8925   \m@mmf@prepare}
8926 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
8927   \global\setbox\@mpfootinsv@r\vbox{%
8928     \unvbox\@mpfootinsv@r
8929     \def\baselinestretch{\m@mm@footnote@spacing}%
8930     \reset@font\LTRfoottextfont
8931     \hspace\columnwidth \@parboxrestore
8932     \if@RTLcolumnfootnotes\beginL\fi
8933     \protected@edef\@currentlabel{%
8934       \csname p@mpfootnote\endcsname\@thefnmark}%
8935     \color@begingroup
8936       \@sixcolLTRfootfmt{#1}%
8937     \color@endgroup}%
8938   \m@mmf@prepare}
8939 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
8940   \global\setbox\@mpfootinsv@r\vbox{%
8941     \unvbox\@mpfootinsv@r
8942     \def\baselinestretch{\m@mm@footnote@spacing}%
8943     \reset@font\RTLfoottextfont
8944     \hspace\columnwidth \@parboxrestore
8945     \protected@edef\@currentlabel{%
8946       \csname p@mpfootnote\endcsname\@thefnmark}%
8947     \color@begingroup
8948       \@sixcolRTLfootfmt{#1}%
8949     \color@endgroup}%

```



```

8950 \m@mmf@prepare}
8951 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8952 \m@make@sixcolfootnotetext{#1}%
8953 \m@make@mpsixcolfootnotetext{#1}%
8954 \m@make@sixcolfootfmt{#1}%
8955 \m@make@sixcol@footgroup{#1}%
8956 \m@make@mpsixcol@footgroup{#1}%
8957 \m@make@footstart{#1}%
8958 \bidi@namelongdef{@footnotetext#1}##1{%
8959 \@nameuse{@sixcolfootnotetext#1}{##1}}%
8960 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8961 \@nameuse{@mpsixcolfootnotetext#1}{##1}}%
8962 \@namedef{@footgroup#1}{\@nameuse{@sixcol@footgroup#1}}%
8963 \@namedef{@mpfootgroup#1}{\@nameuse{@mpsixcol@footgroup#1}}%
8964 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8965 \expandafter\count\csname footins#1\endcsname=500\relax}
8966 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
8967 \bidi@namelongdef{@sixcolfootnotetext#1}##1{%
8968 \insert\@nameuse{footins#1}{%
8969 \def\baselinestretch{\m@m@footnote@spacing}%
8970 \reset@font\@nameuse{foottextfont#1}%
8971 \preamfntext
8972 \protected@edef\@currentlabel{%
8973 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8974 \color@begingroup
8975 \@nameuse{@sixcolfootfmt#1}{##1}%
8976 \color@endgroup}%
8977 \m@mmf@prepare}}
8978 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
8979 \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
8980 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8981 \unvbox\@nameuse{@mpfootins#1}
8982 \def\baselinestretch{\m@m@footnote@spacing}%
8983 \reset@font\@nameuse{foottextfont#1}%
8984 \hsize\columnwidth \parboxrestore
8985 \protected@edef\@currentlabel{%
8986 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8987 \color@begingroup
8988 \@nameuse{@sixcolfootfmt#1}{##1}%
8989 \color@endgroup}\m@mmf@prepare}}
8990 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
8991 \@namedef{@sixcolfootfmt#1}##1{%
8992 \@preamsixfmt
8993 {\@nameuse{footfootmark#1}\strut
8994 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8995 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
8996 \@namedef{@sixcol@footgroup#1}{%
8997 \def\baselinestretch{\m@m@footnote@spacing}%
8998 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8999 \m@mrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}

```



```

9000 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9001 \@namedef{@mpsixcol@footgroup#1}{%
9002 \def\baselinestretch{\m@m@footnote@spacing}%
9003 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9004 \m@mrigidbalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}}%
9005 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9006 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9007 \let\@footnotetext\@sevendcolfootnotetext
9008 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9009 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9010 \dimen\footinsv@r=7\footinsdim
9011 \count\footinsv@r=142\relax
9012 \m@make@sevendcol@footgroup{v@r}%
9013 \let\@footgroupv@r\@sevendcol@footgroupv@r
9014 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9015 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9016 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9017 \m@make@mpsevendcol@footgroup{v@r}%
9018 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
9019 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9020 \def\baselinestretch{\m@m@footnote@spacing}%
9021 \reset@font\foottextfont
9022 \@preamfntext
9023 \protected@edef\@currentlabel{%
9024 \csname p@footnote\endcsname\@thefnmark}%
9025 \color@begingroup
9026 \sevendcolfootfmt{#1}%
9027 \color@endgroup}%
9028 \m@m@mmf@prepare}
9029 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9030 \def\baselinestretch{\m@m@footnote@spacing}%
9031 \reset@font\LTRfoottextfont
9032 \@preamfntext
9033 \protected@edef\@currentlabel{%
9034 \csname p@footnote\endcsname\@thefnmark}%
9035 \color@begingroup
9036 \sevendcolLTRfootfmt{#1}%
9037 \color@endgroup}%
9038 \m@m@mmf@prepare}
9039 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9040 \def\baselinestretch{\m@m@footnote@spacing}%
9041 \reset@font\RTLfoottextfont
9042 \@preamfntext
9043 \protected@edef\@currentlabel{%
9044 \csname p@footnote\endcsname\@thefnmark}%
9045 \color@begingroup
9046 \sevendcolRTLfootfmt{#1}%
9047 \color@endgroup}%
9048 \m@m@mmf@prepare}
9049 \bidi@ensure@newcommand{\@preamsevenfmt}{%

```



```

9050 \hsize .142\hsize
9051 \parindent=\z@
9052 \tolerance=5000\relax
9053 \leavevmode}
9054 \bidi@ensure@newcommand{\@sevencolfootfmt}[1]{%
9055 \@preamsevenfmt
9056 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9057 \bidi@ensure@newcommand{\@sevencolLTRfootfmt}[1]{%
9058 \@preamsevenfmt
9059 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9060 \bidi@ensure@newcommand{\@sevencolRTLfootfmt}[1]{%
9061 \@preamsevenfmt
9062 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9063 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9064 \global\setbox\@mpfootinsv@r\vbox{%
9065 \unvbox\@mpfootinsv@r
9066 \def\baselinestretch{\m@m@footnote@spacing}%
9067 \reset@font\foottextfont
9068 \hsize\columnwidth \@parboxrestore
9069 \protected@edef\@currentlabel{%
9070 \csname p@mpfootnote\endcsname\@thefnmark}%
9071 \color@begingroup
9072 \@sevencolfootfmt{#1}%
9073 \color@endgroup}%
9074 \m@m@m@prepare}
9075 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{\@RTLfalse%
9076 \global\setbox\@mpfootinsv@r\vbox{%
9077 \unvbox\@mpfootinsv@r
9078 \def\baselinestretch{\m@m@footnote@spacing}%
9079 \reset@font\LTRfoottextfont
9080 \hsize\columnwidth \@parboxrestore
9081 \if@RTLcolumnfootnotes\beginL\fi
9082 \protected@edef\@currentlabel{%
9083 \csname p@mpfootnote\endcsname\@thefnmark}%
9084 \color@begingroup
9085 \@sevencolLTRfootfmt{#1}%
9086 \color@endgroup}%
9087 \m@m@m@prepare}
9088 \bidi@ensure@newcommand{\@mpsevencolRTLfootnotetext}[1]{\@RTLtrue%
9089 \global\setbox\@mpfootinsv@r\vbox{%
9090 \unvbox\@mpfootinsv@r
9091 \def\baselinestretch{\m@m@footnote@spacing}%
9092 \reset@font\RTLfoottextfont
9093 \hsize\columnwidth \@parboxrestore
9094 \protected@edef\@currentlabel{%
9095 \csname p@mpfootnote\endcsname\@thefnmark}%
9096 \color@begingroup
9097 \@sevencolRTLfootfmt{#1}%
9098 \color@endgroup}%
9099 \m@m@m@prepare}

```



```

g100 \bidi@ensure@newcommand{\sevendcolumnfootstyle}[1]{%
g101   \m@make@sevendcolfootnotetext{#1}%
g102   \m@make@mpsevendcolfootnotetext{#1}%
g103   \m@make@sevendcolfootfmt{#1}%
g104   \m@make@sevendcol@footgroup{#1}%
g105   \m@make@mpsevendcol@footgroup{#1}%
g106   \m@make@footstart{#1}%
g107   \bidi@namelongdef{@footnotetext#1}##1{%
g108     \@nameuse{@sevendcolfootnotetext#1}{##1}}%
g109   \bidi@namelongdef{@mpfootnotetext#1}##1{%
g110     \@nameuse{@mpsevendcolfootnotetext#1}{##1}}%
g111   \@namedef{@footgroup#1}{\@nameuse{@sevendcol@footgroup#1}}%
g112   \@namedef{@mp@footgroup#1}{\@nameuse{@mpsevendcol@footgroup#1}}%
g113   \expandafter\count\csname footins#1\endcsname=2\footinsdim
g114   \expandafter\count\csname footins#1\endcsname=500\relax}
g115 \bidi@ensure@newcommand{\m@make@sevendcolfootnotetext}[1]{%
g116   \bidi@namelongdef{@sevendcolfootnotetext#1}##1{%
g117     \insert\@nameuse{footins#1}{%
g118       \def\baselinestretch{\m@m@footnote@spacing}%
g119       \reset@font\@nameuse{foottextfont#1}%
g120       \@preamfntext
g121       \protected@edef\@currentlabel{%
g122         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
g123       \color@begingroup
g124         \@nameuse{@sevendcolfootfmt#1}{##1}%
g125       \color@endgroup}%
g126     \m@mmf@prepare}}
g127 \bidi@ensure@newcommand{\m@make@mpsevendcolfootnotetext}[1]{%
g128   \bidi@namelongdef{@mpsevendcolfootnotetext#1}##1{%
g129     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
g130       \unvbox\@nameuse{@mpfootins#1}
g131       \def\baselinestretch{\m@m@footnote@spacing}%
g132       \reset@font\@nameuse{foottextfont#1}%
g133       \hsize\columnwidth \@parboxrestore
g134       \protected@edef\@currentlabel{%
g135         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
g136       \color@begingroup
g137         \@nameuse{@sevendcolfootfmt#1}{##1}%
g138       \color@endgroup}\m@mmf@prepare}}
g139 \bidi@ensure@newcommand{\m@make@sevendcolfootfmt}[1]{%
g140   \@namedef{@sevendcolfootfmt#1}##1{%
g141     \@preamsevenfmt
g142     {\@nameuse{footfootmark#1}\strut
g143       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
g144 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
g145   \@namedef{@sevendcol@footgroup#1}{%
g146     \def\baselinestretch{\m@m@footnote@spacing}%
g147     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g148     \m@rmrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
g149 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%

```



```

g150 \namedef{@mpsevenscol@footgroup#1}{%
g151 \def\baselinestretch{\m@m@footnote@spacing}%
g152 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g153 \m@mrigidbodybalance{\nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
g154 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
g155 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
g156 \let\@footnotetext\@eightcolfootnotetext
g157 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
g158 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
g159 \dimen\footinsv@r=8\footinsdim
g160 \count\footinsv@r=125\relax
g161 \m@make@eightcol@footgroup{v@r}%
g162 \let\@footgroupv@r\@eightcol@footgroupv@r
g163 \let\@mpfootnotetext\@mpeightcolfootnotetext
g164 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
g165 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
g166 \m@make@mpeightcol@footgroup{v@r}%
g167 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
g168 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
g169 \def\baselinestretch{\m@m@footnote@spacing}%
g170 \reset@font\foottextfont
g171 \@preamfntext
g172 \protected@edef\@currentlabel{%
g173 \csname p@footnote\endcsname\@thefnmark}%
g174 \color@begingroup
g175 \@eightcolfootfmt{#1}%
g176 \color@endgroup}%
g177 \m@m@mmf@prepare}
g178 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
g179 \def\baselinestretch{\m@m@footnote@spacing}%
g180 \reset@font\LTRfoottextfont
g181 \@preamfntext
g182 \protected@edef\@currentlabel{%
g183 \csname p@footnote\endcsname\@thefnmark}%
g184 \color@begingroup
g185 \@eightcolLTRfootfmt{#1}%
g186 \color@endgroup}%
g187 \m@m@mmf@prepare}
g188 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
g189 \def\baselinestretch{\m@m@footnote@spacing}%
g190 \reset@font\RTLfoottextfont
g191 \@preamfntext
g192 \protected@edef\@currentlabel{%
g193 \csname p@footnote\endcsname\@thefnmark}%
g194 \color@begingroup
g195 \@eightcolRTLfootfmt{#1}%
g196 \color@endgroup}%
g197 \m@m@mmf@prepare}
g198 \bidi@ensure@newcommand{\@preameightfmt}{%
g199 \hspace{.125\hspace}

```



```

g200 \parindent=\z@
g201 \tolerance=5000\relax
g202 \leavevmode}
g203 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
g204 \@preameightfmt
g205 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
g206 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
g207 \@preameightfmt
g208 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
g209 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
g210 \@preameightfmt
g211 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
g212 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
g213 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
g214 \unvbox\@mpfootinsv@r
g215 \def\baselinestretch{\m@m@footnote@spacing}%
g216 \reset@font\foottextfont
g217 \hsize\columnwidth \@parboxrestore
g218 \protected@edef\@currentlabel{%
g219 \csname p@mpfootnote\endcsname\@thefnmark}%
g220 \color@begingroup
g221 \@eightcolfootfmt{#1}%
g222 \color@endgroup}%
g223 \m@m@mmf@prepare}
g224 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
g225 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
g226 \unvbox\@mpfootinsv@r
g227 \def\baselinestretch{\m@m@footnote@spacing}%
g228 \reset@font\LTRfoottextfont
g229 \hsize\columnwidth \@parboxrestore
g230 \if@RTLcolumnfootnotes\beginL\fi
g231 \protected@edef\@currentlabel{%
g232 \csname p@mpfootnote\endcsname\@thefnmark}%
g233 \color@begingroup
g234 \@eightcolLTRfootfmt{#1}%
g235 \color@endgroup}%
g236 \m@m@mmf@prepare}
g237 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
g238 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
g239 \unvbox\@mpfootinsv@r
g240 \def\baselinestretch{\m@m@footnote@spacing}%
g241 \reset@font\RTLfoottextfont
g242 \hsize\columnwidth \@parboxrestore
g243 \protected@edef\@currentlabel{%
g244 \csname p@mpfootnote\endcsname\@thefnmark}%
g245 \color@begingroup
g246 \@eightcolRTLfootfmt{#1}%
g247 \color@endgroup}%
g248 \m@m@mmf@prepare}
g249 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%

```




```

9250 \m@make@eightcolfootnotetext{#1}%
9251 \m@make@mpeightcolfootnotetext{#1}%
9252 \m@make@eightcolfootfmt{#1}%
9253 \m@make@eightcol@footgroup{#1}%
9254 \m@make@mpeightcol@footgroup{#1}%
9255 \m@make@footstart{#1}%
9256 \bidi@namelongdef{@footnotetext#1}##1{%
9257   \@nameuse{@eightcolfootnotetext#1}{##1}}%
9258 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9259   \@nameuse{@mpeightcolfootnotetext#1}{##1}}%
9260 \@namedef{@footgroup#1}{\@nameuse{@eightcol@footgroup#1}}%
9261 \@namedef{@mpfootgroup#1}{\@nameuse{@mpeightcol@footgroup#1}}%
9262 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9263 \expandafter\count\csname footins#1\endcsname=500\relax}
9264 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9265   \bidi@namelongdef{@eightcolfootnotetext#1}##1{%
9266     \insert\@nameuse{footins#1}{%
9267       \def\baselinestretch{\m@m@footnote@spacing}%
9268       \reset@font\@nameuse{foottextfont#1}%
9269       \@preamfntext
9270       \protected@edef\@currentlabel{%
9271         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9272       \color@begingroup
9273         \@nameuse{@eightcolfootfmt#1}{##1}%
9274       \color@endgroup}%
9275       \m@m@mmf@prepare}}
9276 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9277   \bidi@namelongdef{@mpeightcolfootnotetext#1}##1{%
9278     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9279       \unvbox\@nameuse{@mpfootins#1}
9280       \def\baselinestretch{\m@m@footnote@spacing}%
9281       \reset@font\@nameuse{foottextfont#1}%
9282       \hsize\columnwidth \@parboxrestore
9283       \protected@edef\@currentlabel{%
9284         \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9285       \color@begingroup
9286         \@nameuse{@eightcolfootfmt#1}{##1}%
9287       \color@endgroup}\m@m@mmf@prepare}}
9288 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9289   \@namedef{@eightcolfootfmt#1}##1{%
9290     \@preameightfmt
9291     {\@nameuse{footfootmark#1}\strut
9292      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9293 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9294   \@namedef{@eightcol@footgroup#1}{%
9295     \def\baselinestretch{\m@m@footnote@spacing}%
9296     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9297     \m@m@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
9298 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9299   \@namedef{@mpeightcol@footgroup#1}{%

```



```

9300 \def\baselinestretch{\m@m@footnote@spacing}%
9301 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9302 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
9303 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9304 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9305 \let\@footnotetext\@ninecolfootnotetext
9306 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9307 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9308 \dimen\footinsv@r=9\footinsdim
9309 \count\footinsv@r=111\relax
9310 \m@make@ninecol@footgroup{v@r}%
9311 \let\@footgroupv@r\@ninecol@footgroupv@r
9312 \let\@mpfootnotetext\@mpninecolfootnotetext
9313 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9314 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9315 \m@make@mpninecol@footgroup{v@r}%
9316 \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
9317 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9318 \def\baselinestretch{\m@m@footnote@spacing}%
9319 \reset@font\foottextfont
9320 \@preamfntext
9321 \protected@edef\@currentlabel{%
9322 \csname p@footnote\endcsname\@thefnmark}%
9323 \color@begingroup
9324 \@ninecolfootfmt{#1}%
9325 \color@endgroup}%
9326 \m@mmf@prepare}
9327 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9328 \def\baselinestretch{\m@m@footnote@spacing}%
9329 \reset@font\LTRfoottextfont
9330 \@preamfntext
9331 \protected@edef\@currentlabel{%
9332 \csname p@footnote\endcsname\@thefnmark}%
9333 \color@begingroup
9334 \@ninecolLTRfootfmt{#1}%
9335 \color@endgroup}%
9336 \m@mmf@prepare}
9337 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9338 \def\baselinestretch{\m@m@footnote@spacing}%
9339 \reset@font\RTLfoottextfont
9340 \@preamfntext
9341 \protected@edef\@currentlabel{%
9342 \csname p@footnote\endcsname\@thefnmark}%
9343 \color@begingroup
9344 \@ninecolRTLfootfmt{#1}%
9345 \color@endgroup}%
9346 \m@mmf@prepare}
9347 \bidi@ensure@newcommand{\@preamninefmt}{%
9348 \hspace .1\hspace
9349 \parindent=\z@

```



```

9350 \tolerance=5000\relax
9351 \leavevmode}
9352 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9353 \@preamninefmt
9354 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9355 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9356 \@preamninefmt
9357 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9358 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9359 \@preamninefmt
9360 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9361 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9362 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9363 \unvbox\@mpfootinsv@r
9364 \def\baselinestretch{\m@m@footnote@spacing}%
9365 \reset@font\foottextfont
9366 \hsize\columnwidth \@parboxrestore
9367 \protected@edef\@currentlabel{%
9368 \csname p@mpfootnote\endcsname\@thefnmark}%
9369 \color@begingroup
9370 \@ninecolfootfmt{#1}%
9371 \color@endgroup}%
9372 \m@m@mmf@prepare}
9373 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9374 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9375 \unvbox\@mpfootinsv@r
9376 \def\baselinestretch{\m@m@footnote@spacing}%
9377 \reset@font\LTRfoottextfont
9378 \hsize\columnwidth \@parboxrestore
9379 \if@RTLcolumnfootnotes\beginL\fi
9380 \protected@edef\@currentlabel{%
9381 \csname p@mpfootnote\endcsname\@thefnmark}%
9382 \color@begingroup
9383 \@ninecolLTRfootfmt{#1}%
9384 \color@endgroup}%
9385 \m@m@mmf@prepare}
9386 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9387 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9388 \unvbox\@mpfootinsv@r
9389 \def\baselinestretch{\m@m@footnote@spacing}%
9390 \reset@font\RTLfoottextfont
9391 \hsize\columnwidth \@parboxrestore
9392 \protected@edef\@currentlabel{%
9393 \csname p@mpfootnote\endcsname\@thefnmark}%
9394 \color@begingroup
9395 \@ninecolRTLfootfmt{#1}%
9396 \color@endgroup}%
9397 \m@m@mmf@prepare}
9398 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
9399 \m@make@ninecolfootnotetext{#1}%

```



```

9400 \m@make@mpninecolfootnotetext{#1}%
9401 \m@make@ninecolfootfmt{#1}%
9402 \m@make@ninecol@footgroup{#1}%
9403 \m@make@mpninecol@footgroup{#1}%
9404 \m@make@footstart{#1}%
9405 \bidi@namelongdef{@footnotetext#1}##1{%
9406     \@nameuse{@ninecolfootnotetext#1}{##1}}%
9407 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9408     \@nameuse{@mpninecolfootnotetext#1}{##1}}%
9409 \@namedef{@footgroup#1}{\@nameuse{@ninecol@footgroup#1}}%
9410 \@namedef{@mpfootgroup#1}{\@nameuse{@mpninecol@footgroup#1}}%
9411 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9412 \expandafter\count\csname footins#1\endcsname=500\relax}
9413 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9414     \bidi@namelongdef{@ninecolfootnotetext#1}##1{%
9415         \insert\@nameuse{footins#1}{%
9416             \def\baselinestretch{\m@m@footnote@spacing}%
9417             \reset@font\@nameuse{foottextfont#1}%
9418             \@preamfntext
9419             \protected@edef\@currentlabel{%
9420                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9421                 \color@begingroup
9422                 \@nameuse{@ninecolfootfmt#1}{##1}%
9423                 \color@endgroup}%
9424                 \m@mmf@prepare}}
9425 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
9426     \bidi@namelongdef{@mpninecolfootnotetext#1}##1{%
9427         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9428             \unvbox\@nameuse{@mpfootins#1}
9429             \def\baselinestretch{\m@m@footnote@spacing}%
9430             \reset@font\@nameuse{foottextfont#1}%
9431             \hsize\columnwidth \@parboxrestore
9432             \protected@edef\@currentlabel{%
9433                 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9434                 \color@begingroup
9435                 \@nameuse{@ninecolfootfmt#1}{##1}%
9436                 \color@endgroup}\m@mmf@prepare}}
9437 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9438     \@namedef{@ninecolfootfmt#1}##1{%
9439         \@preamninefmt
9440         {\@nameuse{footfootmark#1}\strut
9441             {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9442 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9443     \@namedef{@ninecol@footgroup#1}{%
9444         \def\baselinestretch{\m@m@footnote@spacing}%
9445         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9446         \m@rmrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
9447 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
9448     \@namedef{@mpninecol@footgroup#1}{%
9449         \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9450 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9451 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
9452 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9453 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9454 \let\@footnotetext\@tencolfootnotetext
9455 \let\@LTRfootnotetext\@tencolLTRfootnotetext
9456 \let\@RTLfootnotetext\@tencolRTLfootnotetext
9457 \dimen\footinsv@r=10\footinsdim
9458 \count\footinsv@r=100\relax
9459 \m@make@tencol@footgroup{v@r}%
9460 \let\@footgroupv@r\@tencol@footgroupv@r
9461 \let\@mpfootnotetext\@mptencolfootnotetext
9462 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9463 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9464 \m@make@mptencol@footgroup{v@r}%
9465 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
9466 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9467 \def\baselinestretch{\m@m@footnote@spacing}%
9468 \reset@font\foottextfont
9469 \@preamfntext
9470 \protected@edef\@currentlabel{%
9471 \csname p@footnote\endcsname\@thefnmark}%
9472 \color@begingroup
9473 \@tencolfootfmt{#1}%
9474 \color@endgroup}%
9475 \m@mmf@prepare}
9476 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9477 \def\baselinestretch{\m@m@footnote@spacing}%
9478 \reset@font\LTRfoottextfont
9479 \@preamfntext
9480 \protected@edef\@currentlabel{%
9481 \csname p@footnote\endcsname\@thefnmark}%
9482 \color@begingroup
9483 \@tencolLTRfootfmt{#1}%
9484 \color@endgroup}%
9485 \m@mmf@prepare}
9486 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9487 \def\baselinestretch{\m@m@footnote@spacing}%
9488 \reset@font\RTLfoottextfont
9489 \@preamfntext
9490 \protected@edef\@currentlabel{%
9491 \csname p@footnote\endcsname\@thefnmark}%
9492 \color@begingroup
9493 \@tencolRTLfootfmt{#1}%
9494 \color@endgroup}%
9495 \m@mmf@prepare}
9496 \bidi@ensure@newcommand{\@preamtenfmt}{%
9497 \hsize .1\hsize
9498 \parindent=\z@
9499 \tolerance=5000\relax

```



```

9500 \leavevmode}
9501 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9502   \@preamtenfmt
9503   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9504 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9505   \@preamtenfmt
9506   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9507 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9508   \@preamtenfmt
9509   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9510 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9511   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9512     \unvbox\@mpfootinsv@r
9513     \def\baselinestretch{\m@m@footnote@spacing}%
9514     \reset@font\foottextfont
9515     \hsize\columnwidth \@parboxrestore
9516     \protected@edef\@currentlabel{%
9517       \csname p@mpfootnote\endcsname\@thefnmark}%
9518     \color@begingroup
9519       \@tencolfootfmt{#1}%
9520     \color@endgroup}%
9521   \m@m@mmf@prepare}
9522 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9523   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9524     \unvbox\@mpfootinsv@r
9525     \def\baselinestretch{\m@m@footnote@spacing}%
9526     \reset@font\LTRfoottextfont
9527     \hsize\columnwidth \@parboxrestore
9528     \if@RTLcolumnfootnotes\beginL\fi
9529     \protected@edef\@currentlabel{%
9530       \csname p@mpfootnote\endcsname\@thefnmark}%
9531     \color@begingroup
9532       \@tencolLTRfootfmt{#1}%
9533     \color@endgroup}%
9534   \m@m@mmf@prepare}
9535 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9536   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9537     \unvbox\@mpfootinsv@r
9538     \def\baselinestretch{\m@m@footnote@spacing}%
9539     \reset@font\RTLfoottextfont
9540     \hsize\columnwidth \@parboxrestore
9541     \protected@edef\@currentlabel{%
9542       \csname p@mpfootnote\endcsname\@thefnmark}%
9543     \color@begingroup
9544       \@tencolRTLfootfmt{#1}%
9545     \color@endgroup}%
9546   \m@m@mmf@prepare}
9547 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9548   \m@make@tencolfootnotetext{#1}%
9549   \m@make@mptencolfootnotetext{#1}%

```



```

9550 \m@make@tencolfootfmt{#1}%
9551 \m@make@tencol@footgroup{#1}%
9552 \m@make@mptencol@footgroup{#1}%
9553 \m@make@footstart{#1}%
9554 \bidi@namelongdef{@footnotetext#1}##1{%
9555     \@nameuse{@tencolfootnotetext#1}{##1}}%
9556 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9557     \@nameuse{@mptencolfootnotetext#1}{##1}}%
9558 \@namedef{@footgroup#1}{\@nameuse{@tencol@footgroup#1}}%
9559 \@namedef{@mpfootgroup#1}{\@nameuse{@mptencol@footgroup#1}}%
9560 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9561 \expandafter\count\csname footins#1\endcsname=500\relax}
9562 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9563     \bidi@namelongdef{@tencolfootnotetext#1}##1{%
9564         \insert\@nameuse{footins#1}{%
9565             \def\baselinestretch{\m@m@footnote@spacing}%
9566             \reset@font\@nameuse{foottextfont#1}%
9567             \@preamfntext
9568             \protected@edef\@currentlabel{%
9569                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9570             \color@begingroup
9571                 \@nameuse{@tencolfootfmt#1}{##1}%
9572             \color@endgroup}%
9573         \m@mmf@prepare}}
9574 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9575     \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
9576         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9577             \unvbox\@nameuse{@mpfootins#1}
9578             \def\baselinestretch{\m@m@footnote@spacing}%
9579             \reset@font\@nameuse{foottextfont#1}%
9580             \hsize\columnwidth \@parboxrestore
9581             \protected@edef\@currentlabel{%
9582                 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9583             \color@begingroup
9584                 \@nameuse{@tencolfootfmt#1}{##1}%
9585             \color@endgroup}\m@mmf@prepare}}
9586 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9587     \@namedef{@tencolfootfmt#1}##1{%
9588         \@preamtenfmt
9589         {\@nameuse{footfootmark#1}\strut
9590         {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9591 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9592     \@namedef{@tencol@footgroup#1}{%
9593         \def\baselinestretch{\m@m@footnote@spacing}%
9594         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9595         \m@rigrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
9596 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9597     \@namedef{@mptencol@footgroup#1}{%
9598         \def\baselinestretch{\m@m@footnote@spacing}%
9599         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

g600 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
g601 \bidi@ensure@newcommand{\m@munvxh}[1]{%
g602 \setbox0=\vbox{\unvbox#1%
g603 \global\setbox1=\lastbox}%
g604 \unhbox1
g605 \unskip
g606 \unskip
g607 \unpenalty
g608 \hskip\m@mipn@skip}
g609 \bidi@ensure@newcommand{\m@mungebox}{%
g610 \setbox0=\hbox{\m@munvxh0}%
g611 \dp0=\z@
g612 \ht0=\footfudgefactor\wd0
g613 \box0
g614 \penalty0}
g615 \newskip\m@mipn@skip
g616 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
g617 {\foottextfont\global\m@mipn@skip=#1\relax}}
g618 \m@minterparanoteglua{1em plus.4em minus.4em}
g619 \@ifpackageloaded{multicol}{%
g620 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
g621 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
g622 \hsize\textwidth%
g623 \setbox0=\hbox{}%
g624 \loop
g625 \unpenalty
g626 \setbox2=\lastbox
g627 \ifhbox2
g628 \setbox0=\hbox{\box2\unhbox0}
g629 \repeat}
g630 }{%
g631 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
g632 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
g633 \setbox0=\hbox{}%
g634 \loop
g635 \unpenalty
g636 \setbox2=\lastbox
g637 \ifhbox2
g638 \setbox0=\hbox{\box2\unhbox0}
g639 \repeat}}
g640 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
g641 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
g642 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
g643 \bidi@ensure@newcommand{\paragraphfootnotes}{%
g644 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
g645 \let\@footnotetext\@parafootnotetext
g646 \let\@LTRfootnotetext\@paraLTRfootnotetext
g647 \let\@RTLfootnotetext\@paraRTLfootnotetext
g648 \dimen\footinsv@r=\footinsdim
g649 \count\footinsv@r=1000\relax

```




```

9650 \m@make@para@footgroup{v@r}%
9651 \let\@footgroupv@r\@para@footgroupv@r
9652 \let\@mpfootnotetext\@mpparafootnotetext
9653 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
9654 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9655 \m@make@mppara@footgroup{v@r}%
9656 \let\mp@footgroupv@r\@mppara@footgroupv@r
9657 {\def\baselinestretch{\m@m@footnote@spacing}%
9658 \foottextfont
9659 \dimen0=\baselineskip
9660 \multiply\dimen0 by 1024
9661 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9662 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9663 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9664 \let\bidi@RTL@everypar\@empty%
9665 \def\baselinestretch{\m@m@footnote@spacing}%
9666 \reset@font\foottextfont
9667 \@preamfntext
9668 \protected@edef\@currentlabel{%
9669 \csname p@footnote\endcsname\@thefnmark}%
9670 \setbox0=\vbox{\hsize=\maxdimen
9671 \color@begingroup
9672 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9673 \color@endgroup}%
9674 \m@mungebox}\m@mmf@prepare}
9675 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
9676 \let\bidi@RTL@everypar\@empty%
9677 \def\baselinestretch{\m@m@footnote@spacing}%
9678 \reset@font\LTRfoottextfont
9679 \@preamfntext
9680 \protected@edef\@currentlabel{%
9681 \csname p@footnote\endcsname\@thefnmark}%
9682 \setbox0=\vbox{\hsize=\maxdimen
9683 \color@begingroup
9684 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9685 \color@endgroup}%
9686 \m@mungebox}\m@mmf@prepare}
9687 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
9688 \let\bidi@RTL@everypar\@empty%
9689 \def\baselinestretch{\m@m@footnote@spacing}%
9690 \reset@font\RTLfoottextfont
9691 \@preamfntext
9692 \protected@edef\@currentlabel{%
9693 \csname p@footnote\endcsname\@thefnmark}%
9694 \setbox0=\vbox{\hsize=\maxdimen
9695 \color@begingroup
9696 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9697 \color@endgroup}%
9698 \m@mungebox}\m@mmf@prepare}
9699 \bidi@ensure@newcommand{\@parafootfmt}[1]{%

```



```

9700 \parindent=\z@
9701 \parfillskip=0pt \@plus 1fil
9702 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9703 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
9704 \parindent=\z@
9705 \parfillskip=0pt \@plus 1fil
9706 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9707 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
9708 \parindent=\z@
9709 \parfillskip=0pt \@plus 1fil
9710 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9711 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9712 \global\setbox\@mpfootinsv@r\vbox{%
9713 \let\bidi@RTL@everypar\@empty%
9714 \def\baselinestretch{\m@m@footnote@spacing}%
9715 \unvbox\@mpfootinsv@r
9716 \reset@font\foottextfont
9717 \hsize\columnwidth \@parboxrestore
9718 \protected@edef\@currentlabel{%
9719 \csname p@mpfootnote\endcsname\@thefnmark}%
9720 \setbox0=\vbox{\hsize=\maxdimen
9721 \color@begingroup
9722 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9723 \color@endgroup}}%
9724 \m@mungebox}\m@mmf@prepare}
9725 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9726 \global\setbox\@mpfootinsv@r\vbox{%
9727 \let\bidi@RTL@everypar\@empty%
9728 \def\baselinestretch{\m@m@footnote@spacing}%
9729 \unvbox\@mpfootinsv@r
9730 \reset@font\LTRfoottextfont
9731 \hsize\columnwidth \@parboxrestore
9732 \protected@edef\@currentlabel{%
9733 \csname p@mpfootnote\endcsname\@thefnmark}%
9734 \setbox0=\vbox{\hsize=\maxdimen
9735 \color@begingroup
9736 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9737 \color@endgroup}}%
9738 \m@mungebox}\m@mmf@prepare}
9739 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9740 \global\setbox\@mpfootinsv@r\vbox{%
9741 \let\bidi@RTL@everypar\@empty%
9742 \def\baselinestretch{\m@m@footnote@spacing}%
9743 \unvbox\@mpfootinsv@r
9744 \reset@font\RTLfoottextfont
9745 \hsize\columnwidth \@parboxrestore
9746 \protected@edef\@currentlabel{%
9747 \csname p@mpfootnote\endcsname\@thefnmark}%
9748 \setbox0=\vbox{\hsize=\maxdimen
9749 \color@begingroup

```



```

9750      \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9751      \color@endgroup}%
9752      \m@ungebox}\m@mmf@prepare}
9753 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9754   \m@make@parafootnotetext{#1}%
9755   \m@make@mpparafootnotetext{#1}%
9756   \m@make@parafootfmt{#1}%
9757   \m@make@para@footgroup{#1}%
9758   \m@make@mppara@footgroup{#1}%
9759   \m@make@para@footstart{#1}%
9760   \bidi@namelongdef{@footnotetext#1}##1{%
9761     \@nameuse{@parafootnotetext#1}{##1}}%
9762   \bidi@namelongdef{@mpfootnotetext#1}##1{%
9763     \@nameuse{@mpparafootnotetext#1}{##1}}%
9764   \@namedef{@footgroup#1}{\@nameuse{@para@footgroup#1}}%
9765   \@namedef{@mp@footgroup#1}{\@nameuse{@mppara@footgroup#1}}%
9766   \@namedef{@footstart#1}{\@nameuse{@para@footstart#1}}%
9767   \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9768   \expandafter\count\csname footins#1\endcsname=1000\relax
9769   {\def\baselinestretch{\m@m@footnote@spacing}%
9770    \@nameuse{foottextfont#1}%
9771    \dimen0=\baselineskip
9772    \multiply\dimen0 by 1024
9773    \divide\dimen0 by \hsize \multiply\dimen0 by 64
9774    \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9775 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9776 \bidi@namelongdef{@parafootnotetext#1}##1{%
9777   \insert\@nameuse{footins#1}{
9778   \def\baselinestretch{\m@m@footnote@spacing}%
9779   \reset@font\@nameuse{foottextfont#1}%
9780   \@preamfntext
9781   \protected@edef\@currentlabel{%
9782     \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9783   \setbox0=\vbox{\hsize=\maxdimen
9784     \color@begingroup
9785     \noindent \@nameuse{@parafootfmt#1}{##1}%
9786     \color@endgroup}%
9787   \m@ungebox}\m@mmf@prepare}}
9788 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9789 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
9790   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9791     \unvbox\@nameuse{@mpfootins#1}
9792     \def\baselinestretch{\m@m@footnote@spacing}%
9793     \reset@font\@nameuse{foottextfont#1}%
9794     \hsize\columnwidth \@parboxrestore
9795     \protected@edef\@currentlabel{%
9796       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9797     \setbox0=\vbox{\hsize=\maxdimen
9798       \color@begingroup
9799       \noindent \@nameuse{@parafootfmt#1}{##1}%

```



```

9800      \color@endgroup}%
9801      \m@mungebox}\m@mmf@prepare}}
9802 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9803 \bidi@namelongdef{@parafootfmt#1}##1{%
9804   \parindent=\z@
9805   \parfillskip=0pt \@plus 1fil
9806   {\@nameuse{footfootmark#1}\strut
9807    {\@nameuse{foottextfont#1}##1}\penalty-10}}}
9808 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9809 \@namedef{@para@footgroup#1}{%
9810   \unvbox\@nameuse{footins#1}
9811   \m@mmakehboxofhboxes
9812   \setbox0=\hbox{\unhbox0 \m@removehboxes}%
9813   \@parboxrestore%
9814   \def\baselinestretch{\m@m@footnote@spacing}%
9815   \@nameuse{foottextfont#1}%
9816   \noindent\unhbox0\par}}
9817 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9818 \@namedef{@mppara@footgroup#1}{%
9819   \unvbox\@nameuse{mpfootins#1}
9820   \m@mmakehboxofhboxes
9821   \setbox0=\hbox{\unhbox0 \m@removehboxes}%
9822   \def\baselinestretch{\m@m@footnote@spacing}%
9823   \@nameuse{foottextfont#1}%
9824   \noindent\unhbox0\par}}
9825 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9826 \@namedef{@para@footstart#1}{%
9827   \vskip\bigskipamount
9828   \leftskip=\z@
9829   \rightskip=\z@
9830   \parindent=\z@
9831   \vskip\skip\@nameuse{footins#1}%
9832   \footnoterule}}
9833 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
9834   \xdef\@freelist{\@freelist\@midlist}%
9835   \global\let\@midlist\@empty
9836   \@combinefloats}
9837 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
9838   \ifvbox\@kludgeins
9839     \@makespecialcolbox
9840   \else
9841     \setbox\@outputbox \vbox to\@colht{%
9842       \@texttop
9843       \dimen@ \dp\@outputbox
9844       \unvbox \@outputbox
9845       \vskip -\dimen@
9846       \@textbottom}%
9847   \fi}
9848 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
9849 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%

```



```

9850 \boxmaxdepth\@maxdepth
9851 \@tempdima\dp\@cclv
9852 \unvbox\@cclv
9853 \vskip-\@tempdima
9854 \bidi@mopfn@bottom
9855 \vskip \skip\footins
9856 \color@begingroup
9857 \normalcolor
9858 \footnoterule
9859 \unvbox \footins
9860 \color@endgroup}}
9861 \newcommand*{\bidi@mopfootnotebf}{%
9862 \setbox\@outputbox \vbox{%
9863 \boxmaxdepth\@maxdepth
9864 \unvbox\@outputbox
9865 \bidi@mopfn@bottom
9866 \vskip\skip\footins
9867 \color@begingroup
9868 \normalcolor
9869 \footnoterule
9870 \unvbox \footins
9871 \color@endgroup}}
9872 \gdef\mem@makecol{%
9873 \m@m@makecolintro
9874 \ifvoid\footins
9875 \setbox\@outputbox \box\@cclv
9876 \else
9877 \m@mopfootnote
9878 \fi
9879 \m@mdoextrafeet
9880 \m@m@makecolfloats
9881 \m@m@makecoltext
9882 \global \maxdepth \@maxdepth}
9883 \gdef\bidi@makecolbf{%
9884 \m@m@makecolintro
9885 \setbox\@outputbox \box\@cclv
9886 \m@m@makecolfloats
9887 \ifvoid\footins
9888 \else
9889 \bidi@mopfootnotebf
9890 \fi
9891 \m@mdoextrafeet
9892 \m@m@makecoltext
9893 \global \maxdepth \@maxdepth}
9894 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
9895 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
9896 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
9897 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
9898 \FeetAboveFloat
9899 \FeetBelowRagged

```



7.56 extreport-xetex-bidi.def

```

9900 \ProvidesFile{extreport-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extreport class for
9901 \renewcommand*\l@part[2]{%
9902   \ifnum \c@tocdepth >-2\relax
9903     \addpenalty{-\@highpenalty}%
9904     \addvspace{2.25em \@plus\p@}%
9905     \begingroup
9906       \setlength\@tempdima{3em}%
9907       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9908       \parfillskip -\@pnumwidth
9909       {\leavevmode
9910         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9911       \nobreak
9912       \global\@nobreaktrue
9913       \everypar{\global\@nobreakfalse\everypar{}}%
9914     \endgroup
9915   \fi}
9916 \renewcommand*\l@chapter[2]{%
9917   \ifnum \c@tocdepth >\m@ne
9918     \addpenalty{-\@highpenalty}%
9919     \vskip 1.0em \@plus\p@
9920     \setlength\@tempdima{1.5em}%
9921     \begingroup
9922       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9923       \parfillskip -\@pnumwidth
9924       \leavevmode \bfseries
9925       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9926       \hskip -\if@RTL\rightskip\else\leftskip\fi
9927       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9928       \penalty\@highpenalty
9929     \endgroup
9930   \fi}
9931 \def\@makechapterhead#1{%
9932   \vspace*{50\p@}%
9933   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9934     \ifnum \c@secnumdepth >\m@ne
9935       \huge\bfseries \@chapapp\space \thechapter
9936       \par\nobreak
9937       \vskip 20\p@
9938     \fi
9939     \interlinepenalty\@M
9940     \Huge \bfseries #1\par\nobreak
9941     \vskip 40\p@
9942   }}
9943 \def\@makeschapterhead#1{%
9944   \vspace*{50\p@}%
9945   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9946     \normalfont
9947     \interlinepenalty\@M

```



```

9948 \Huge \bfseries #1\par\nobreak
9949 \vskip 40\p@
9950 }}
9951 \renewcommand\left@footnoterule{%
9952 \kern-3\p@
9953 \hrule\@width.4\columnwidth
9954 \kern2.6\p@}
9955 \renewcommand\right@footnoterule{%
9956 \kern-3\p@
9957 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9958 \kern2.6\p@}
9959 \renewenvironment{thebibliography}[1]
9960 { \chapter*{\bibname
9961 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9962 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9963 \list{\@biblabel{\@arabic\c@enumiv}}%
9964 {\settowidth\labelwidth{\@biblabel{#1}}%
9965 \leftmargin\labelwidth
9966 \advance\leftmargin\labelsep
9967 \@openbib@code
9968 \usecounter{enumiv}%
9969 \let\p@enumiv\@empty
9970 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9971 \sloppy\clubpenalty4000\widowpenalty4000%
9972 \sfcode`.\@m}
9973 {\def\@noitemerr
9974 {\@latex@warning{Empty `thebibliography' environment}}}%
9975 \endlist}
9976 \if@titlepage
9977 \renewcommand\maketitle{\begin{titlepage}%
9978 \let\footnotesize\small
9979 \let\right@footnoterule\relax
9980 \let\left@footnoterule\relax
9981 \let\textwidth\footnoterule\relax
9982 \let\footnote\thanks
9983 \null\vfil
9984 \vskip 60\p@
9985 \begin{center}%
9986 {\LARGE \@title \par}%
9987 \vskip 3em%
9988 {\large
9989 \lineskip .75em%
9990 \begin{tabular}[t]{c}%
9991 \@author
9992 \end{tabular}\par}%
9993 \vskip 1.5em%
9994 {\large \@date \par}% % Set date in \large size.
9995 \end{center}\par
9996 \@thanks
9997 \vfil\null

```



```

9998 \end{titlepage}%
9999 \setcounter{footnote}{0}%
10000 \global\let\thanks\relax
10001 \global\let\maketitle\relax
10002 \global\let\@thanks\@empty
10003 \global\let\@author\@empty
10004 \global\let\@date\@empty
10005 \global\let\@title\@empty
10006 \global\let\title\relax
10007 \global\let\author\relax
10008 \global\let\date\relax
10009 \global\let\and\relax
10010 }
10011 \else
10012 \renewcommand\maketitle{\par
10013 \begingroup
10014 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10015 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10016 \long\def\@makefntext##1{\parindent 1em\noindent
10017 \hb@xt@1.8em{%
10018 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10019 \if@twocolumn
10020 \ifnum \col@number=\@ne
10021 \@maketitle
10022 \else
10023 \twocolumn[\@maketitle]%
10024 \fi
10025 \else
10026 \newpage
10027 \global\@topnum\z@ % Prevents figures from going at top of page.
10028 \@maketitle
10029 \fi
10030 \thispagestyle{plain}\@thanks
10031 \endgroup
10032 \setcounter{footnote}{0}%
10033 \global\let\thanks\relax
10034 \global\let\maketitle\relax
10035 \global\let\@maketitle\relax
10036 \global\let\@thanks\@empty
10037 \global\let\@author\@empty
10038 \global\let\@date\@empty
10039 \global\let\@title\@empty
10040 \global\let\title\relax
10041 \global\let\author\relax
10042 \global\let\date\relax
10043 \global\let\and\relax
10044 }
10045 \def\@maketitle{%
10046 \newpage
10047 \null

```




```

10048 \vskip 2em%
10049 \begin{center}%
10050 \let \footnote \thanks
10051 {\LARGE \@title \par}%
10052 \vskip 1.5em%
10053 {\large
10054 \lineskip .5em%
10055 \begin{tabular}[t]{c}%
10056 \@author
10057 \end{tabular}\par}%
10058 \vskip 1em%
10059 {\large \@date}%
10060 \end{center}%
10061 \par
10062 \vskip 1.5em}
10063 \fi
10064 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10065 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
10066 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\csubsubsection}
10067 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\cparagraph}
10068 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
10069 \renewcommand\theequation{%
10070 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10071 \renewcommand\thefigure{%
10072 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10073 \renewcommand\thetable{%
10074 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}

```

7.57 fancybox-xetex-bidi.def

```

10075 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
10076 \def\fancy@oval#1#2#3{%
10077 \boxmaxdepth \maxdimen
10078 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10079 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10080 \@ovxx#1\relax
10081 \advance\@ovxx-\@wholewidth
10082 \@ovyy#2\relax
10083 \advance\@ovyy-\@wholewidth
10084 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10085 \advance\@tempdimb-2\p@
10086 \ifdim\@tempdimb>\the@cornersize\relax
10087 \@tempdimb=\the@cornersize
10088 \fi
10089 \@getcirc\@tempdimb
10090 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10091 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10092 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10093 \@circlefnt
10094 \setbox\@tempboxa\hbox{\beginL%

```



```

10095 \if@ovr \@ovvert32\kern -\@tempdima \fi
10096 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10097 \if@ovt \@ovhorz \kern -\@ovxx \fi
10098 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10099 \advance\@ovdx\@ovro
10100 \advance\@ovdy\@ovro
10101 \advance\@ovxx\@wholewidth
10102 \wd\@tempboxa=\@ovxx
10103 \dp\@tempboxa=\z@}

```

7.58 fancyhdr-xetex-bidi.def

```

10104 \ProvidesFile{fancyhdr-xetex-bidi.def}[2012/04/18 v0.4 bidi adaptations for fancyhdr package for Xe
10105 \let\fnch@everypar\everypar%
10106 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hbox
10107 \@fancyvbox\headheight{\hbox
10108 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
10109 \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else
10110 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma
10111 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hbox
10112 \@fancyvbox\footskip{\footrule
10113 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if
10114 \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\els
10115 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma

```

7.59 fix2col-xetex-bidi.def

```

10116 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for Xe
10117 \def\RTL@outputdblcol{%
10118 \if@firstcolumn
10119 \global\@firstcolumnfalse
10120 \global\setbox\@leftcolumn\copy\@outputbox
10121 \splitmaxdepth\maxdimen
10122 \vbadness\maxdimen
10123 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10124 \toks@ \expandafter{\topmark}%
10125 \xdef\@firstcoltopmark{\the\toks@}%
10126 \toks@ \expandafter{\splitfirstmark}%
10127 \xdef\@firstcolfirstmark{\the\toks@}%
10128 \ifx\@firstcolfirstmark\@empty
10129 \global\let\@setmarks\relax
10130 \else
10131 \gdef\@setmarks{%
10132 \let\firstmark\@firstcolfirstmark
10133 \let\topmark\@firstcoltopmark}%
10134 \fi
10135 \else \global\@firstcolumntrue
10136 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10137 \hskip \columnwidth
10138 \hfil \vrule width\columnseprule \hfil
10139 \hbox to\columnwidth {\box\@leftcolumn \hss}%

```



```

10140 \hskip -\textwidth
10141 \hbox to\columnwidth{\box\@outputbox \hss}%
10142 \hskip \columnsep
10143 \hskip \columnwidth }}%
10144 \@combinedblfloats \@setmarks \@outputpage
10145 \begingroup \@dblfloatplacement \@startdblcolumn
10146 \@whilesw@if@fcolmade \fi
10147 {\@outputpage \@startdblcolumn }\endgroup
10148 \fi}
10149 \def\LTR@outputdblcol{%
10150   \if@firstcolumn
10151     \global\@firstcolumnfalse
10152     \global\setbox\@leftcolumn\copy\@outputbox
10153     \splitmaxdepth\maxdimen
10154     \vbadness\maxdimen
10155     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10156     \toks@\expandafter{\topmark}%
10157     \xdef\@firstcoltopmark{\the\toks@}%
10158     \toks@\expandafter{\splitfirstmark}%
10159     \xdef\@firstcolfirstmark{\the\toks@}%
10160     \ifx\@firstcolfirstmark\@empty
10161       \global\let\@setmarks\relax
10162     \else
10163       \gdef\@setmarks{%
10164         \let\firstmark\@firstcolfirstmark
10165         \let\topmark\@firstcoltopmark}%
10166     \fi
10167   \else
10168     \global\@firstcolumntrue
10169     \setbox\@outputbox\vbox{%
10170       \hb@xt@\textwidth{%
10171         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10172         \hfil
10173         \vrule \@width\columnseprule
10174         \hfil
10175         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10176   \@combinedblfloats
10177   \@setmarks
10178   \@outputpage
10179   \begingroup
10180     \dblfloatplacement
10181     \startdblcolumn
10182     \@whilesw@if@fcolmade \fi{\@outputpage\startdblcolumn}%
10183   \endgroup
10184 \fi}

```

7.60 fleqn-xetex-bidi.def

```

10185 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX engine]
10186 \renewcommand\relax

```



```

10187         \ifmmode\@badmath
10188         \else
10189             \begin{trivlist}%
10190                 \@beginparpenalty\predisplaypenalty
10191                 \@endparpenalty\postdisplaypenalty
10192                 \item[]\leavevmode
10193                 \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10194                 \hskip\mathindent\bgroup
10195             \fi}
10196 \renewcommand\]{\relax
10197         \ifmmode
10198             \egroup $\hfil% $
10199             \endL\egroup
10200             \end{trivlist}%
10201         \else \@badmath
10202         \fi}
10203 \renewenvironment{equation}%
10204     {\@beginparpenalty\predisplaypenalty
10205     \@endparpenalty\postdisplaypenalty
10206     \refstepcounter{equation}%
10207     \trivlist \item[]\leavevmode
10208     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10209     \displaystyle
10210     \hskip\mathindent}%
10211     {$\hfil % $
10212     \displaywidth\linewidth\hbox{\@eqnnum}%
10213     \endL\egroup
10214     \endtrivlist}

```

7.61 float-xetex-bidi.def

```

10215 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
10216 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10217 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10218 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10219 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10220     \expandafter\edef\csname the#1\endcsname{%
10221         \expandafter\noexpand\csname
10222             the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10223     {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

7.62 floatrow-xetex-bidi.def

```

10224 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeTeX]
10225 \renewcommand\flnew@within[1]{\@addtoreset{FB@c@type}{#1}%
10226     \expandafter\edef\csname the\FB@c@type\endcsname{%
10227         \expandafter\noexpand\csname
10228             the#1\endcsname\@SepMark\noexpand\arabic{\FB@c@type}}}

```

7.63 flowfram-xetex-bidi.def

```

10229 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for XeTeX]

```



```

10230 \def\@outputdblcol{%
10231 \@nxtcol=\c@thisframe
10232 \c@curpg=\c@page
10233 \@g@tnextcol{\@nxtcol}%
10234 \if@ff@nwpg % next flow frame starts on new page
10235 \global\@firstcolumntrue
10236 \@setcolbox\c@thisframe
10237 \if@specialpage
10238 \global\@specialpagefalse
10239 \@nameuse{ps@\@specialstyle}\relax
10240 \fi
10241 \if@twoside
10242 \ifodd\count\z@
10243 \let\@thehead\@oddhead
10244 \let\@thefoot\@oddfoot
10245 \else
10246 \let\@thehead\@evenhead
10247 \let\@thefoot\@evenfoot
10248 \fi
10249 \else
10250 \let\@thehead\@oddhead
10251 \let\@thefoot\@oddfoot
10252 \fi
10253 \@begindvi
10254 \@dodynamicthehead\@dodynamicthefoot
10255 \vbadness=\@M
10256 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10257 \@combinedblfloats
10258 \@outputpage
10259 \advance\c@curpg by -\c@page\relax
10260 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10261 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
10262 \@outputpage}
10263 \begingroup
10264 \@dblfloatplacement
10265 \@startdblcolumn
10266 \@whilesw \if@fcolmade \fi
10267 {\@outputpage \@startdblcolumn }\endgroup
10268 \@resetst@tics
10269 \@resetdyn@mics
10270 \else % still on same page, save contents of box255
10271 \global\@firstcolumnfalse
10272 \@setcolbox\c@thisframe
10273 \fi
10274 \global\c@thisframe=\@nxtcol
10275 \@setcol{\c@thisframe}\relax
10276 \global\@colht\vsiz
10277 }
10278 \def\@outputpage{%
10279 \begingroup

```



```

10280 \let\protect\noexpand
10281 \@resetactivechars
10282 \global\let\@@if@newlist@if@newlist
10283 \global\@newlistfalse\@parboxrestore
10284 \shipout\vbox{\set@typeset@protect
10285   \aftergroup
10286   \endgroup
10287   \aftergroup
10288   \set@typeset@protect
10289   \reset@font\normalsize\normalsfcodes
10290   \let\label@gobble
10291   \let\index@gobble
10292   \let\glossary@gobble
10293   \baselineskip\z@skip
10294   \lineskip\z@skip
10295   \lineskiplimit\z@
10296   \vskip\topmargin\moveright\@themargin
10297   \vbox{%
10298     \vskip\headheight
10299     \vskip\headsep
10300     \box\@outputbox
10301   }}%
10302 \global\let@if@newlist\@@if@newlist
10303 \stepcounter{page}%
10304 \setcounter{displayedframe}{0}%
10305 \let\firstmark\botmark}
10306
10307
10308 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{ }{%
10309 \expandafter\bidicolor\ff@txtcol}}
10310
10311 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10312 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
10313
10314
10315 \renewcommand*{\@docolbox}[1]{%
10316 \edef\ff@frametype{%
10317 \csname @ff@frametype@\romannumeral#1\endcsname}%
10318 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10319 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10320 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10321 \@ff@setoffset{#1}%
10322 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10323 \ifthenelse{\boolean{columnframe\romannumeral#1}}{ }{%
10324 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10325 {\csname colheight\romannumeral#1\endcsname}{%
10326 \expandafter\box\csname column\romannumeral#1\endcsname}{%
10327 \csname\ff@frametype\endcsname}%
10328 }{%
10329 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%

```



```

10330 {\csname colheight\romannumeral#1\endcsname}{%
10331 \expandafter\box\csname column\romannumeral#1\endcsname}%
10332 }}}}
10333 \@ifclassloaded{book}{%
10334 \renewcommand\theequation
10335 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10336 \renewcommand \thefigure
10337 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10338 \renewcommand \thetable
10339 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10340 \renewcommand \thechapter {\@arabic\c@chapter}
10341 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10342 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10343 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10344 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10345 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10346 \@ifclassloaded{report}{%
10347 \renewcommand\theequation
10348 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10349 \renewcommand \thefigure
10350 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10351 \renewcommand \thetable
10352 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10353 \renewcommand \thechapter {\@arabic\c@chapter}
10354 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10355 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10356 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10357 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10358 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10359 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10360 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10361 \else
10362 #2\relax
10363 \fi}

```

7.64 footnote-xetex-bidi.def

```

10364 \ProvidesFile{footnote-xetex-bidi.def}[2016/09/09 v1.0 bidi footnote macros for XeTeX engine]
10365 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10366 \newif\ifbidi@autofootnoterule
10367 \def\bidi@mpfootnoterule{\footnoterule}
10368 \newcounter{footdir@label}
10369 \renewcommand*{\thefootdir@label}{\footdir@the\value{footdir@label}}
10370 \newcommand*{\footdir@write}{%
10371 \stepcounter{footdir@label}%
10372 \zref@labelbyprops{\thefootdir@label}{abspage}%
10373 }
10374 \newif\iffootdir@debug
10375 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10376 \newtoks\footdir@toks

```



```

10377 \newcommand*{\footdir@debug}[1]{%
10378   \ifffootdir@debug
10379     \typeout{[footdir] #1}%
10380   \fi
10381 }
10382 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
10383 %   \newcommand*{\footdir@LeftRightElse}{%
10384 %     \ltx@ifundefined{footdir@the\value{zabspage}}{%
10385 %       \footdir@debug{abspage \the\value{zabspage}: else}%
10386 %     \ltx@thirdofthree
10387 %   }{%
10388 %     \if\csname footdir@the\value{zabspage}\endcsname L%
10389 %       \footdir@debug{abspage \the\value{zabspage}: left}%
10390 %     \expandafter\ltx@firstofthree
10391 %   \else
10392 %     \footdir@debug{abspage \the\value{zabspage}: right}%
10393 %   \expandafter\ltx@secondofthree
10394 %   \fi
10395 % }%
10396 % }%
10397 %}%
10398 \providecommand*{\c@zabspage}{\c@abspage}%
10399 \newcommand*{\footdir@LeftRightElse}{%
10400   \footdir@write
10401   \zifrefundefined{\thefootdir@label}{%
10402     \footdir@debug{abspage ??: else}%
10403     \ltx@thirdofthree
10404   }{%
10405     \edef\footdir@abspage{%
10406       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10407     }%
10408     \ltx@ifundefined{footdir@\footdir@abspage}{%
10409       \footdir@debug{\footdir@abspage: else}%
10410       \ltx@thirdofthree
10411     }{%
10412       \if\csname footdir@\footdir@abspage\endcsname L%
10413         \footdir@debug{\footdir@abspage: left}%
10414         \expandafter\ltx@firstofthree
10415       \else
10416         \footdir@debug{\footdir@abspage: right}%
10417         \expandafter\ltx@secondofthree
10418       \fi
10419     }%
10420   }%
10421 }%
10422 %}
10423 \newcommand*{\footdir@fntext}[1]{%
10424   \zifrefundefined{\thefootdir@label}{%
10425   }{%
10426     \edef\footdir@name{%

```




```

10427     footdir@zref@extractdefault{\thefootdir@label}{abspage}{0}%
10428   }%
10429   \@ifundefined{footdir@name}{%
10430     \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10431   }{}%
10432 }%
10433 }
10434
10435 \newcommand*{\footdir@temp}[3]{%
10436   \@ifdefinable{#1}{%
10437     \let#1#2%
10438     \renewcommand{#2}[1]{%
10439       \footdir@write
10440       \footdir@fntext{#3}%
10441       \stepcounter{footdir@label}%
10442       \footdir@fntext{#3}%
10443       \footdir@toks{##1}%
10444       \footdir@toks\expandafter{%
10445         \the\expandafter\footdir@toks
10446         \expandafter
10447         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10448       }%
10449       \expandafter#1\expandafter{\the\footdir@toks}%
10450     }%
10451   }%
10452 }
10453
10454 \def\right@footnoterule{%
10455   \kern-3\p@
10456   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10457   \kern2.6\p@}
10458 \def\left@footnoterule{\kern-3\p@
10459   \hrule \@width .4\columnwidth \kern 2.6\p@}
10460 \def\textwidth@footnoterule{\kern-3\p@
10461   \hrule \@width \columnwidth \kern 2.6\p@}
10462 \def\leftfootnoterule{%
10463   \bidi@autofootnoterulefalse%
10464   \def\footnoterule{\left@footnoterule}}
10465 \let\LRfootnoterule=\leftfootnoterule
10466 \def\rightfootnoterule{%
10467   \bidi@autofootnoterulefalse%
10468   \def\footnoterule{\right@footnoterule}}
10469 \def\textwidthfootnoterule{%
10470   \bidi@autofootnoterulefalse%
10471   \def\footnoterule{\textwidth@footnoterule}}
10472
10473
10474
10475 \def\auto@footnoterule{%
10476   \footdir@LeftRightElse%

```



```

10477 \left@footnoterule%
10478 \right@footnoterule%
10479 \left@footnoterule%
10480 }
10481
10482
10483
10484 \def\autofootnoterule{%
10485 \bidi@autofootnoteruletrue%
10486 \def\footnoterule{\auto@footnoterule}%
10487 }
10488
10489 \newcommand*\SplitFootnoteRule{%
10490 \gdef\split@prev{0}
10491 \let\pagefootnoterule\footnoterule
10492 \let\mpfootnoterule\footnoterule
10493 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10494 \def\footnoterule{\relax
10495 \ifx \@listdepth\@mplistdepth
10496 \mpfootnoterule
10497 \else
10498 \ifnum\split@prev=\z@
10499 \pagefootnoterule
10500 \else
10501 \splitfootnoterule
10502 \fi
10503 \xdef\split@prev{\the\insertpenalties}%
10504 \fi
10505 }%
10506 }
10507
10508
10509
10510
10511 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10512 \protected@xdef\@thefnmark{\thempfn}%
10513 \@footnotemark\@RTLfootnotetext}}
10514 \def\@xRTLfootnote[#1]{%
10515 \begingroup
10516 \csname c@\@mpfn\endcsname #1\relax
10517 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10518 \endgroup
10519 \@footnotemark\@RTLfootnotetext}
10520 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10521 \protected@xdef\@thefnmark{\thempfn}%
10522 \@footnotemark\@LTRfootnotetext}}
10523 \def\@xLTRfootnote[#1]{%
10524 \begingroup
10525 \csname c@\@mpfn\endcsname #1\relax
10526 \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

10527 \endgroup
10528 \@footnotemark\@LTRfootnotetext}
10529
10530
10531 \def\setfootnoteRL{\@RTL@footnotetrue}
10532 \def\unsetfootnoteRL{\@RTL@footnotefalse}
10533 \def\setfootnoteLR{\unsetfootnoteRL}
10534
10535 \long\def\@footnotetext#1{\insert\footins{%
10536   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10537   \reset@font\footnotesize
10538   \interlinepenalty\interfootnotelinepenalty
10539   \splittopskip\footnotesep
10540   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10541   \hsize\columnwidth \@parboxrestore
10542   \protected@edef\@currentlabel{%
10543     \csname p@footnote\endcsname\@thefnmark
10544   }%
10545   \color@begingroup
10546     \@makefntext{%
10547       \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10548     \color@endgroup}}%
10549
10550
10551 \long\def\@RTLfootnotetext#1{\insert\footins{%
10552   \@RTLtrue%
10553   \reset@font\footnotesize
10554   \interlinepenalty\interfootnotelinepenalty
10555   \splittopskip\footnotesep
10556   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10557   \hsize\columnwidth \@parboxrestore
10558   \protected@edef\@currentlabel{%
10559     \csname p@footnote\endcsname\@thefnmark
10560   }%
10561   \color@begingroup
10562     \@makefntext{%
10563       \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10564     \color@endgroup}}%
10565
10566 \long\def\@LTRfootnotetext#1{\insert\footins{%
10567   \@RTLfalse%
10568   \reset@font\footnotesize
10569   \interlinepenalty\interfootnotelinepenalty
10570   \splittopskip\footnotesep
10571   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10572   \hsize\columnwidth \@parboxrestore
10573   \protected@edef\@currentlabel{%
10574     \csname p@footnote\endcsname\@thefnmark
10575   }%
10576   \color@begingroup

```



```

10577 \makefnintext{%
10578 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10579 \color@endgroup}}%
10580
10581 \AtBeginDocument{%
10582 \if@RTL@footnote
10583 \newcommand*{\bidi@footdir@footnote}{R}
10584 \else
10585 \newcommand*{\bidi@footdir@footnote}{L}
10586 \fi%
10587 }
10588
10589 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10590 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10591 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10592
10593 \long\def\@mpRTLfootnotetext#1{%
10594 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnote
10595 \global\setbox\@mpfootins\vbox{\@RTLtrue%
10596 \unvbox\@mpfootins
10597 \reset@font\footnotesize
10598 \hsize\columnwidth
10599 \@parboxrestore
10600 \protected@edef\@currentlabel
10601 {\csname p@mpfootnote\endcsname\@thefnmark}%
10602 \color@begingroup
10603 \makefnintext{%
10604 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10605 \color@endgroup}}
10606 \long\def\@mpLTRfootnotetext#1{%
10607 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnote
10608 \global\setbox\@mpfootins\vbox{\@RTLfalse%
10609 \unvbox\@mpfootins
10610 \reset@font\footnotesize
10611 \hsize\columnwidth
10612 \@parboxrestore
10613 \protected@edef\@currentlabel
10614 {\csname p@mpfootnote\endcsname\@thefnmark}%
10615 \color@begingroup
10616 \makefnintext{%
10617 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10618 \color@endgroup}}
10619 \long\def\@mpfootnotetext#1{%
10620 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
10621 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10622 \unvbox\@mpfootins
10623 \reset@font\footnotesize
10624 \hsize\columnwidth
10625 \@parboxrestore
10626 \protected@edef\@currentlabel

```



```

10627         {\csname p@mpfootnote\endcsname\@thefnmark}%
10628         \color@begingroup
10629         \@makefnmark{%
10630             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10631         \color@endgroup}}
10632 \def\@iiiminipage#1#2[#3]#4{%
10633     \leavevmode
10634     \@pboxswfalse
10635     \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
10636     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10637     \setlength\@tempdima{#4}%
10638     \def\@mpargs{#{1}{#2}#{3}{#4}}%
10639     \setbox\@tempboxa\vbox\bgroup
10640         \color@begingroup
10641             \hsize\@tempdima
10642             \textwidth\hsize \columnwidth\hsize
10643             \@parboxrestore
10644             \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10645             \let\@footnotetext\@mpfootnotetext
10646             \let\@LTRfootnotetext\@mpLTRfootnotetext
10647             \let\@RTLfootnotetext\@mpRTLfootnotetext
10648             \let\@listdepth\@mplistdepth \@mplistdepth\z@
10649             \@minipagerestore
10650             \setminipage}
10651 \def\endminipage{%
10652     \par
10653     \unskip
10654     \ifvoid\@mpfootins\else
10655         \vskip\skip\@mpfootins
10656         \normalcolor
10657         \bidi@mpfootnoterule
10658         \unvbox\@mpfootins
10659     \fi
10660     \@minipagefalse    %% added 24 May 89
10661     \color@endgroup
10662     \egroup
10663     \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10664 \def\LTRthanks#1{\footnotemark
10665     \protected@xdef\@thanks{\@thanks
10666         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
10667 }
10668 \def\LTRfootnotetext{%
10669     \@ifnextchar [\@xLTRfootnotenext
10670     {\protected@xdef\@thefnmark{\thempfn}%
10671     \@LTRfootnotetext}}
10672 \def\@xLTRfootnotenext[#1]{%
10673     \begingroup
10674         \csname c@\@mpfn\endcsname #1\relax
10675         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10676     \endgroup

```



```

10677 \@LTRfootnotetext}
10678 \def\RTLthanks#1{\footnotemark
10679     \protected@xdef\@thanks{\@thanks
10680         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
10681 }
10682 \let\@thanks\@empty
10683 \def\RTLfootnotetext{%
10684     \@ifnextchar [\@xRTLfootnotenext
10685         {\protected@xdef\@thefnmark{\thempfn}%
10686         \@RTLfootnotetext}}
10687 \def\@xRTLfootnotenext[#1]{%
10688     \begingroup
10689         \csname c@\mpfn\endcsname #1\relax
10690         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10691     \endgroup
10692     \@RTLfootnotetext}
10693 \leftfootnoterule

```

7.65 framed-xetex-bidi.def

```

10694 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
10695 \renewcommand\TitleBarFrame[3][\begingroup
10696     \ifx\delimiter#1\delimiter
10697         \let\TF@conlab\@empty
10698     \else
10699         \def\TF@conlab{% continuation label
10700             \nointerlineskip
10701             \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
10702     \fi
10703     %\let\TF@savecolor\current@color
10704     \textcolor{TFFrameColor}{%
10705     \CustomFBox
10706         {\TF@Title{#2}}{\TF@conlab}%
10707         \fboxrule\fboxrule\fboxrule\fboxrule
10708         %{\let\current@color\TF@savecolor\set@color #3}%
10709         {\normalcolor #3}%
10710     }\endgroup
10711 }
10712 \renewenvironment{titled-frame}[1]{%
10713     \def\FrameCommand{\fboxsep8pt\fboxrule2pt
10714         \TitleBarFrame{\textbf{#1}}}%
10715     \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
10716         \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
10717     \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
10718         \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont)}}%
10719     \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
10720         \TitleBarFrame{\textbf{#1\ (cont)}}}%
10721     \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
10722 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10723 % could interfere with the width measurement.

```



```

10724 {\endMakeFramed}
10725 \chardef\FrameRestore=\catcode\| % for debug
10726 \catcode\|=\catcode\% % (debug: insert space after backslash)
10727 \def\fb@put@frame#1#2{\relax
10728 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
10729 | \message{===== Entering putframe =====^^J
10730 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
10731 \ifinner
10732 \fb@putboxa#1%
10733 \fb@afterframe
10734 \else
10735 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
10736 \ifdim\dimen@<2\baselineskip % Too little room on page
10737 | \message{Page has only \the\dimen@\space room left; eject. }%
10738 \eject \fb@adjheight \fb@put@frame#1#2%
10739 \else % there's appreciable room left on the page
10740 \fb@sizeofframe#1%
10741 | \message{\string\pagetotal=\the\pagetotal,
10742 | \string\pagegoal=\the\pagegoal,
10743 | \string\pagestretch=\the\pagestretch,
10744 | \string\pageshrink=\the\pageshrink,
10745 | \string\fb@frh=\the\fb@frh. \space}
10746 | \message{^^JBox of size \the\ht\@tempboxa\space}%
10747 \begingroup % temporarily set \dimen@ to be...
10748 \advance\dimen@.8\pageshrink % maximum space available on page
10749 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10750 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10751 \expandafter\endgroup
10752 % expand \ifdim, then restore \dimen@ to real room left on page
10753 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
10754 | \message{fits in \the\dimen@. }%
10755 % ToDo: Change this to use vsplit anyway to capture the marks
10756 % MERGE THIS WITH THE else CLAUSE!!!
10757 \fb@putboxa#1%
10758 \fb@afterframe
10759 \else % box must be split
10760 | \message{must be split to fit in \the\dimen@. }%
10761 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10762 \fb@sizeofframe#2%
10763 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10764 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10765 \kern137sp\kern-137sp\penalty-30
10766 \unvbox\@tempboxa}%
10767 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10768 \splittopskip\the\splittopskip}%
10769 \boxmaxdepth\z@ \splittopskip\z@
10770 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
10771 % Split box here
10772 \setbox\tw@\vsplit\@tempboxa to\dimen@
10773 | \toks99\expandafter{\splitfirstmark}%

```



```

10774 | \toks98\expandafter{\splitbotmark}%
10775 | \message{Marks are: \the\toks99, \the\toks98. }%
10776 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
10777 | \message{Natural height of split box is \the\ht\tw@, leaving
10778 | \the\ht\@tempboxa\space remainder. }%
10779 | % If the split-to size > (\vsize-\topskip), then set box to full size.
10780 | \begingroup
10781 | \advance\dimen@ \topskip
10782 | \expandafter\endgroup
10783 | \ifdim\dimen@>\pagegoal
10784 | \message{Frame is big -- Use up the full column. }%
10785 | \dimen@ii\pagegoal
10786 | \advance\dimen@ii -\topskip
10787 | \advance\dimen@ii \FrameHeightAdjust\relax
10788 | \else % suspect this is implemented incorrectly:
10789 | % If the split-to size > feasible room_on_page, rebox it smaller.
10790 | \advance\dimen@.8\pageshrink
10791 | \ifdim\ht\tw@>\dimen@
10792 | \message{Box too tall; rebox it to \the\dimen@. }%
10793 | \dimen@ii\dimen@
10794 | \else % use natural size
10795 | \dimen@ii\ht\tw@
10796 | \fi
10797 | \fi
10798 | % Re-box contents to desired size \dimen@ii
10799 | \advance\dimen@ii -\fb@frh
10800 | \setbox\tw@\vbox to\dimen@ii \bgroup
10801 | % remove simulated frame and page flexibility:
10802 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
10803 | \unvbox\tw@ \unpenalty\unpenalty
10804 | \ifdim\lastkern=-137sp % whole box went to next page
10805 | \message{box split at beginning! }%
10806 | % need work here???
10807 | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10808 | \fb@adjheight
10809 | \fb@put@frame#1#2% INSERTED ???
10810 | \else % Got material split off at the head
10811 | \egroup \fb@resto@set
10812 | \ifvoid\@tempboxa % it all fit after all
10813 | \message{box split at end! }%
10814 | \setbox\@tempboxa\box\tw@
10815 | \fb@putboxa#1%
10816 | \fb@afterframe
10817 | \else % it really did split
10818 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
10819 | \ifdim\wd\tw@>\z@
10820 | \wd\tw@\wd\@tempboxa
10821 | \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
10822 | \else
10823 | \message{Zero width means likely blank. Don't frame it (guess)}%

```




```

10824         \box\tw@
10825         \fi
10826         \hrule \@height\z@ \@width\hsize
10827         \eject
10828         \fb@adjheight
10829         \fb@put@frame\LastFrameCommand\MidFrameCommand
10830 \fi\fi\fi\fi\fi
10831 }
10832 \def\fb@putboxa#1{%
10833   \ifvoid\@tempboxa
10834     \PackageWarning{framed}{Boxa is void -- discard it. }%
10835   \else
10836     \message{Frame and place boxa. }%
10837     \if\showoutput\showbox\@tempboxa}%
10838       \centerline{#1{\hboxL{\box\@tempboxa}}}%
10839     \fi
10840 }
10841 \catcode`\|=\FrameRestore
10842 \def\FrameRestore{%
10843   \let\if@nobreak\iffalse
10844   \let\if@noskipsec\iffalse
10845   \let\-\@dischyp
10846   \let'\@acci\let'\@accii\let\=\@acciii
10847   % \message{FrameRestore:
10848   %   \@totalleftmargin=\the \@totalleftmargin,
10849   %   \rightmargin=\the\rightmargin,
10850   %   \@listdepth=\the\@listdepth. }%
10851   % Test if we are in a list (or list-like paragraph)
10852   \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
10853     \ifdim\rightmargin>\z@ 1\fi
10854     \ifnum\@listdepth>\z@ 1\fi 0>\z@
10855   %   \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
10856   %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10857   %   \labelwidth=\the\labelwidth. }%
10858   % \setminipage % snug fit around the item
10859   % Now try to propagate changes of width from \hsize to list parameters.
10860   % This is deficient, but a more advanced way to indicate modification to text
10861   % dimensions is not (yet) provided; in particular, no separate left/right
10862   % adjustment.
10863   \advance\linewidth-\columnwidth \advance\linewidth\hsize
10864   \parshape\@ne \@totalleftmargin \linewidth
10865 \else % Not in list
10866   \linewidth=\hsize
10867   %\message{No list, set \string\linewidth=\the\hsize. }%
10868 \fi
10869 \sloppy
10870 }

```

7.66 ftnright-xetex-bidi.def



```

10871 \ProvidesFile{ftnright-xetex-bidi.def}[2016/05/10 v0.4 bidi adaptations for ftnright package for
10872
10873 \def\LTR@outputdblcol{%
10874   \if@firstcolumn
10875     \global\@firstcolumnfalse
10876     \global\setbox\@leftcolumn\copy\@outputbox
10877     \global\count\footins\@m
10878     \global\skip\footins\rcol\footinsskip
10879     \splitmaxdepth\maxdimen
10880     \vbadness\maxdimen
10881     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10882     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10883     \toks@{\expandafter{\topmark}}%
10884     \xdef\@firstcoltopmark{\the\toks@}%
10885     \toks@{\expandafter{\splitfirstmark}}%
10886     \xdef\@firstcolfirstmark{\the\toks@}%
10887     \ifx\@firstcolfirstmark\@empty
10888       \global\let\@setmarks\relax
10889     \else
10890       \gdef\@setmarks{%
10891         \let\firstmark\@firstcolfirstmark
10892         \let\topmark\@firstcoltopmark}%
10893     \fi
10894   \else
10895     \preparefootins
10896     \global\@firstcolumntrue
10897     \setbox\@outputbox\vbox{%
10898       \hb@xt@\textwidth{%
10899         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10900         \hfil
10901         {\normalcolor\vrule \@width\columnseprule}%
10902         \hfil
10903         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10904     \@combinedblfloats
10905     \@setmarks
10906     \@outputpage
10907     \begingroup
10908       \@dblfloatplacement
10909       \@startdblcolumn
10910       \@whiles\if@fcolmade \fi{\@outputpage
10911         \@startdblcolumn}%
10912     \endgroup
10913   \fi}%
10914
10915
10916
10917 \def\RTL@outputdblcol{%
10918   \if@firstcolumn
10919     \global\@firstcolumnfalse
10920     \global\setbox\@leftcolumn\copy\@outputbox

```



```

10921 \global\count\footins\@m
10922 \global\skip\footins\rcol@footinsskip
10923 \splitmaxdepth\maxdimen
10924 \vbadness\maxdimen
10925 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10926 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10927 \toks@\expandafter{\topmark}%
10928 \xdef\@firstcoltopmark{\the\toks@}%
10929 \toks@\expandafter{\splitfirstmark}%
10930 \xdef\@firstcolfirstmark{\the\toks@}%
10931 \ifx\@firstcolfirstmark\@empty
10932 \global\let\@setmarks\relax
10933 \else
10934 \gdef\@setmarks{%
10935 \let\firstmark\@firstcolfirstmark
10936 \let\topmark\@firstcoltopmark}%
10937 \fi
10938 \else
10939 \preparefootins
10940 \global\@firstcolumntrue
10941 \setbox\@outputbox\vbox{%
10942 \hb@xt@\textwidth{%
10943 \hskip \columnwidth
10944 \hfil
10945 {\normalcolor\vrule \@width\columnseprule}%
10946 \hfil
10947 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10948 \hskip -\textwidth
10949 \hb@xt@\columnwidth{\box\@outputbox \hss}%
10950 \hskip \columnsep
10951 \hskip \columnwidth }}%
10952 \@combinedblfloats
10953 \@setmarks
10954 \@outputpage
10955 \begingroup
10956 \@dblfloatplacement
10957 \@startdblcolumn
10958 \@whiles\if@fcolmade \fi{\@outputpage
10959 \@startdblcolumn}%
10960 \endgroup
10961 \fi}%
10962
10963
10964
10965 \let\leftfootnoterule\@empty
10966 \let\rightfootnoterule\@empty
10967 \let\textwidthfootnoterule\@empty
10968 \let\autofootnoterule\@empty
10969 \let\footnoterule\@empty
10970 \long\def\@makefntext#1{\parindent 1em

```



```

10971 \noindent\hbox to 2em{}%
10972 \llap{\@thefnmark\hbox{.}\,\,\,}\#1}

```

7.67 graphicx-xetex-bidi.def

```

10973 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
10974 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
10975 \Grot@setangle{#1}%
10976 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
10977 \Grot@x\z@
10978 \Grot@y\z@
10979 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
10980 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10981 \leavevmode
10982 \def\Gscale@x{#1}\def\Gscale@y{#2}%
10983 \setbox\z@\hbox{#3}%
10984 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10985 \ifdim#2\p<\z@
10986 \ht\tw@-#2\dp\z@
10987 \dp\tw@-#2\ht\z@
10988 \else
10989 \ht\tw@#2\ht\z@
10990 \dp\tw@#2\dp\z@
10991 \fi
10992 \ifdim#1\p<\z@
10993 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10994 \else
10995 \wd\tw@#1\wd\z@
10996 \box\tw@
10997 \fi\ifmmode\else\if@RTL\endL\fi\fi}
10998 \def\Gin@iii[#1,#2][#3,#4]#5{%
10999 \begingroup
11000 \ifmmode\else\if@RTL\beginL\fi\fi
11001 \Gin@bboxtrue
11002 \Gin@defaultbp\Gin@llx{#1}%
11003 \Gin@defaultbp\Gin@lly{#2}%
11004 \Gin@defaultbp\Gin@urx{#3}%
11005 \Gin@defaultbp\Gin@ury{#4}%
11006 \Gin@include@graphics{#5}%
11007 \ifmmode\else\if@RTL\endL\fi\fi
11008 \endgroup}
11009 \def\Gin@ii[#1]#2{%
11010 \def\@tempa{[]}\def\@tempb{#2}%
11011 \ifx\@tempa\@tempb
11012 \def\@tempa{\Gin@iii[#1] []}%
11013 \expandafter\@tempa
11014 \else
11015 \begingroup
11016 \ifmmode\else\if@RTL\beginL\fi\fi
11017 \@tempswafalse

```



```

11018      \toks@{\Gininclude@graphics{#2}}%
11019      \setkeys{Gin}{#1}%
11020      \Gin@esetsize
11021      \the\toks@
11022      \ifmmode\else\if@RTL\endL\fi\fi
11023  \endgroup
11024  \fi}
11025 \def\reflectbox{\bidiGscale@box-1[1]}
11026 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11027  \leavevmode
11028  \def\Gscale@x{#1}\def\Gscale@y{#2}%
11029  \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11030  \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11031  \ifdim#2\p<\z@
11032      \ht\tw@-#2\dp\z@
11033      \dp\tw@-#2\ht\z@
11034  \else
11035      \ht\tw@#2\ht\z@
11036      \dp\tw@#2\dp\z@
11037  \fi
11038  \ifdim#1\p<\z@
11039      \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11040  \else
11041      \wd\tw@#1\wd\z@
11042      \box\tw@
11043  \fi\ifmmode\else\if@RTL\endL\fi\fi}
11044 \def\scalebox#1{%
11045  \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
11046 \def\resizebox{%
11047  \leavevmode
11048  \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11049 \def\bidiGscale@@box#1#2#3{%
11050  \let\@tempa\Gin@exclamation
11051  \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11052  \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11053  \ifx\@tempb\@tempa
11054      \ifx\@tempc\@tempa
11055          \toks@{\mbox}%
11056      \else
11057          \toks@{\bidiGscale@box@dd{#3}#1}%
11058      \fi
11059  \else
11060      \ifx\@tempc\@tempa
11061          \toks@{\bidiGscale@box@dd{#2}\width}%
11062      \else
11063          \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11064      \fi
11065  \fi
11066  \the\toks@}
11067 \long\def\bidiGscale@box@dd#1#2#3{%

```



```

11068 \@begin@tempboxa\hbox{\ifmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@
11069 \setlength\@tempdima{#1}%
11070 \setlength\@tempdimb{#2}%
11071 \Gscale@div\@tempa\@tempdima\@tempdimb
11072 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11073 \@end@tempboxa}
11074 \long\def\ bidiGscale@box@dddd#1#2#3#4#5{%
11075 \@begin@tempboxa\hbox{\ifmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@
11076 \setlength\@tempdima{#1}%
11077 \setlength\@tempdimb{#2}%
11078 \Gscale@div\@tempa\@tempdima\@tempdimb
11079 \setlength\@tempdima{#3}%
11080 \setlength\@tempdimb{#4}%
11081 \Gscale@div\@tempb\@tempdima\@tempdimb
11082 \ifGin@iso
11083 \ifdim\@tempa\p@>\@tempb\p@
11084 \let\@tempa\@tempb
11085 \else
11086 \let\@tempb\@tempa
11087 \fi
11088 \fi
11089 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11090 \@end@tempboxa}

```

7.68 geometry-xetex-bidi.def

```

11091 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for
11092 \renewcommand*{\Gm@vrules@mpi}{%
11093 \if@RTLmain%
11094 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11095 \llap{\Gm@vrule}\ignorespaces
11096 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11097 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11098 \else%
11099 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11100 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11101 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11102 \renewcommand*{\Gm@vrules@mpii}{%
11103 \if@RTLmain%
11104 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11105 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11106 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11107 \else%
11108 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11109 \llap{\Gm@vrule}\ignorespaces
11110 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11111 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11112

```

7.69 hvfloat-xetex-bidi.def



```

11113 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
11114 \def\do@hvFloat[#1]#2#3{%
11115 \def\hv@shortCap{#1}
11116 \def\hv@longCap{#2}
11117 \def\hv@label{#3}
11118 %\newcommand*{\hvFloat}[5][{}]{%
11119 % [#1]: keyvalues
11120 % #2: type figure | table | ...
11121 % #3: float contents
11122 % [#4]: short caption
11123 % #5: caption
11124 % #6: label
11125 % \setDefault%
11126 % \def@tempa{#1}%
11127 % \ifx@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11128 \def@tempa{90}%
11129 \ifx\hvSet@rotAngle@tempa \setlength{\hvMaxCapWidth}{\textheight}
11130 \else \setlength{\hvMaxCapWidth}{\linewidth}
11131 \fi
11132 %
11133 % First we save the object in \hvObjectBox
11134 %
11135 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11136 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11137 \else
11138 \savebox{\hvObjectBox}{%
11139 \rotatebox{\hvSet@objectAngle}{%
11140 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11141 \fi
11142 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11143 %
11144 % Now we save the caption with its defined \hvCapWidth
11145 %
11146 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11147 \else
11148 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11149 \else
11150 \setlength{\hvCapWidth}{\hvObjectWidth}
11151 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11152 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11153 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11154 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11155 \else
11156 \setlength{\hvCapWidth}{\hvMaxCapWidth}
11157 \fi
11158 \fi
11159 \fi
11160 %
11161 % now we have the object and the caption with the right
11162 % rotated angles saved in boxes

```



```

11163 %
11164 \def\fps@figure{\hvSet@floatPos}
11165 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11166 \else \begin{\hv@floatType}% Start the floating environment
11167 \fi%
11168 \saveCaptionSkip% we put this space ourselves
11169 \ifx\hvSet@capAngle\hv@Width % need rotation?
11170 \sbox{\hvCaptionBox}{%
11171 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11172 \ifhv@nonFloat%
11173 \ifhv@onlyText#2%
11174 \else%
11175 \ifx\hv@floatType\hv@figure
11176 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
11177 \else
11178 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
11179 \fi
11180 \fi
11181 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
11182 \fi%
11183 \label{#3}%
11184 \end{minipage}%
11185 }%
11186 \else%
11187 \sbox{\hvCaptionBox}{%
11188 \rotatebox{\hvSet@capAngle}{%
11189 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11190 \ifhv@nonFloat%
11191 \ifhv@onlyText#2%
11192 \else%
11193 \ifx\hv@floatType\hv@figure
11194 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
11195 \else
11196 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
11197 \fi
11198 \fi
11199 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
11200 \fi%
11201 \label{#3}%
11202 \end{minipage}%
11203 }%
11204 }%
11205 \fi%
11206 %%
11207 \restoreCaptionSkip% save old values
11208 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
11209 \else%
11210 \ifx\hvSet@objectPos\hv@Center
11211 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11212 \fi%

```




```

11213 \fi%
11214 %
11215 % to rotate object and caption together, we save all in another box
11216 % the caption comes first, if its on the left or the top
11217 %
11218 \savebox{\@tempboxa}{%
11219 \ifx\hvSet@capPos\hv@Left % caption on left side
11220 \if@RTL%
11221 \ifx\hvSet@capVPos\hv@Center%
11222 \ifhv@fbox
11223 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11224 \else
11225 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11226 \fi%
11227 \hspace{\hvSet@floatCapSep pt}%
11228 \ifhv@fbox
11229 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11230 \else
11231 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11232 \fi%
11233 \else%
11234 \ifx\hvSet@capVPos\hv@Top
11235 \ifhv@fbox
11236 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11237 \else
11238 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11239 \fi%
11240 \hspace{\hvSet@floatCapSep pt}%
11241 \ifhv@fbox
11242 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11243 \else
11244 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11245 \fi
11246 \else
11247 \ifhv@fbox
11248 \fbox{\usebox{\hvObjectBox}}%
11249 \else
11250 \usebox{\hvObjectBox}%
11251 \fi
11252 \hspace{\hvSet@floatCapSep pt}%
11253 \ifhv@fbox
11254 \fbox{\usebox{\hvCaptionBox}}%
11255 \else
11256 \usebox{\hvCaptionBox}%
11257 \fi%
11258 \fi%
11259 \fi%
11260 \else% not RTL
11261 \ifx\hvSet@capVPos\hv@Center%
11262 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%

```



```

11263     \else      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11264     \fi%
11265     \hspace{\hvSet@floatCapSep pt}% capfloatsep
11266     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11267     \else      \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11268     \fi%
11269 \else%
11270     \ifx\hvSet@capVPos\hv@Top % caption at top
11271     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11272     \else      \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11273     \fi
11274     \hspace{\hvSet@floatCapSep pt}% capfloatsep
11275     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11276     \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
11277     \fi%
11278 \else% caption on bottom
11279     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11280     \else\usebox{\hvCaptionBox}
11281     \fi%
11282     \hspace{\hvSet@floatCapSep pt}%
11283     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11284     \else      \usebox{\hvObjectBox}
11285     \fi%
11286     \fi%
11287 \fi% end of RTL
11288 \fi%
11289 \else
11290 \ifx\hvSet@capPos\hv@Top
11291 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11292 \begin{minipage}{\wd\hvCaptionBox}
11293 \else
11294 \begin{minipage}{\wd\hvObjectBox}
11295 \fi
11296 \centering
11297 \ifhv@fbox
11298 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11299 \fbbox{\usebox{\hvObjectBox}}
11300 \else
11301 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11302 \usebox{\hvObjectBox}
11303 \fi%
11304 \end{minipage}
11305 \else
11306 \ifx\hvSet@capPos\hv@Bottom
11307 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11308 \begin{minipage}{\wd\hvCaptionBox}
11309 \else
11310 \begin{minipage}{\wd\hvObjectBox}
11311 \fi
11312 \centering

```



```

11313 \ifhv@fbox
11314 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11315 \fbox{\usebox{\hvCaptionBox}}
11316 \else
11317 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11318 \usebox{\hvCaptionBox}
11319 \fi%
11320 \end{minipage}
11321 \else% the last option: put the caption on the right
11322 \if@RTL%
11323 \ifx\hvSet@capVPos\hv@Center%
11324 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11325 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11326 \fi%
11327 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11328 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11329 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11330 \fi%
11331 \else%
11332 \ifx\hvSet@capVPos\hv@Top % caption at top
11333 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11334 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11335 \fi
11336 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11337 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11338 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11339 \fi%
11340 \else% caption on bottom
11341 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
11342 \else\usebox{\hvCaptionBox}
11343 \fi%
11344 \hspace{\hvSet@floatCapSep pt}%
11345 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
11346 \else \usebox{\hvObjectBox}
11347 \fi%
11348 \fi%
11349 \fi%
11350 \else% not RTL
11351 \ifx\hvSet@capVPos\hv@Center%
11352 \ifhv@fbox
11353 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11354 \else
11355 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11356 \fi%
11357 \hspace{\hvSet@floatCapSep pt}%
11358 \ifhv@fbox
11359 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11360 \else
11361 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11362 \fi%

```



```

11363 \else%
11364 \ifx\hvSet@capVPos\hv@Top
11365 \ifhv@fbox
11366 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11367 \else
11368 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11369 \fi%
11370 \hspace{\hvSet@floatCapSep pt}%
11371 \ifhv@fbox
11372 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11373 \else
11374 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11375 \fi
11376 \else
11377 \ifhv@fbox
11378 \fbox{\usebox{\hvObjectBox}}%
11379 \else
11380 \usebox{\hvObjectBox}%
11381 \fi
11382 \hspace{\hvSet@floatCapSep pt}%
11383 \ifhv@fbox
11384 \fbox{\usebox{\hvCaptionBox}}%
11385 \else
11386 \usebox{\hvCaptionBox}%
11387 \fi%
11388 \fi%
11389 \fi
11390 \fi% end of RTL
11391 \fi
11392 \fi
11393 \fi
11394 }% End savebox Object and caption
11395 %
11396 % now we rotate the object and caption, if needed
11397 %
11398 \ifx\hvSet@rotAngle\hv@Zero
11399 \usebox{\@tempboxa}
11400 \else
11401 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11402 \fi
11403 \ifhv@nonFloat
11404 \ifx\hvSet@objectPos\hv@Center
11405 \ifhv@nonFloat
11406 \hspace{\fill}
11407 \fi
11408 \fi
11409 \endgroup% End the nonfloat part
11410 \else
11411 \end{\hv@floatType}% End the floating environment
11412 \fi

```



```
11413 }
```

7.70 hyperref-xetex-bidi.def

```
11414 \ProvidesFile{hyperref-xetex-bidi.def}[2015/11/26 v0.9 bidi adaptations for hyperref package for
11415 \AtBeginDocument{%
11416 \def\contentsline#1#2#3#4{%
11417   \ifx\#4\%
11418     \csname l@#1\endcsname{#2}{#3}%
11419   \else
11420     \ifcase\Hy@linktoc % none
11421       \csname l@#1\endcsname{#2}{#3}%
11422     \or % section
11423       \csname l@#1\endcsname{%
11424         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11425       }{#3}%
11426     \or % page
11427       \csname l@#1\endcsname{#2}{#3}%
11428       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11429     }%
11430   \else % all
11431     \csname l@#1\endcsname{%
11432       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11433     }{#3}%
11434     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11435   }%
11436 \fi
11437 \fi
11438 }
11439 \ifHy@hyperfootnotes
11440   \let\H@@footnotetext\@footnotetext
11441   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11442   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11443   \def\xfootnotenext[#1]{%
11444     \begingroup
11445       \csname c@\@mpfn\endcsname #1\relax
11446       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11447     \endgroup
11448     \ifx\@footnotetext\@mpfootnotetext
11449       \expandafter\H@@mpfootnotetext
11450     \else
11451       \expandafter\H@@footnotetext
11452     \fi
11453   }%
11454   \def\xRTLfootnotenext[#1]{%
11455     \begingroup
11456       \csname c@\@mpfn\endcsname #1\relax
11457       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11458     \endgroup
11459     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
```



```

11460     \expandafter\HRTL@mpRTLfootnotetext
11461     \else
11462     \expandafter\HRTL@RTLfootnotetext
11463     \fi
11464 }%
11465 \def\xLTRfootnotenext[#1]{%
11466 \begingroup
11467   \csname c@\mpfn\endcsname #1\relax
11468   \unrestored@protected@xdef\@thefnmark{\thempfn}%
11469 \endgroup
11470 \ifx\xLTRfootnotetext\mpLTRfootnotetext
11471   \expandafter\HLTR@mpLTRfootnotetext
11472 \else
11473   \expandafter\HLTR@LTRfootnotetext
11474 \fi
11475 }%
11476 \def\xfootnotemark[#1]{%
11477 \begingroup
11478   \c@footnote #1\relax
11479   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11480 \endgroup
11481 \H@footnotemark
11482 }%
11483 \let\H@mpfootnotetext\mpfootnotetext
11484 \let\HRTL@mpRTLfootnotetext\mpRTLfootnotetext
11485 \let\HLTR@mpLTRfootnotetext\mpLTRfootnotetext
11486 \long\def\@mpfootnotetext#1{%
11487   \H@mpfootnotetext{%
11488     \ifHy@nesting
11489       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11490     \else
11491       \Hy@raisedlink{%
11492         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11493       }#1%
11494     \fi
11495   }%
11496 }%
11497 \long\def\@mpRTLfootnotetext#1{%
11498   \HRTL@mpRTLfootnotetext{%
11499     \ifHy@nesting
11500       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11501     \else
11502       \Hy@raisedlink{%
11503         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11504       }#1%
11505     \fi
11506   }%
11507 }%
11508 \long\def\@mpLTRfootnotetext#1{%
11509   \HLTR@mpLTRfootnotetext{%

```



```

11510     \ifHy@nesting
11511         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11512     \else
11513         \Hy@raisedlink{%
11514             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11515         }#1%
11516     \fi
11517 }%
11518 }%
11519 \long\def\@footnotetext#1{%
11520 \H@@footnotetext{%
11521     \ifHy@nesting
11522         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11523     \else
11524         \Hy@raisedlink{%
11525             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11526         }%
11527         \let\@currentHlabel\Hy@footnote@currentHlabel
11528         \let\@currentHref\Hy@footnote@currentHref
11529         \let\@currentlabelname\@empty
11530         #1%
11531     \fi
11532 }%
11533 }%
11534 \long\def\@RTLfootnotetext#1{%
11535 \HRTL@@RTLfootnotetext{%
11536     \ifHy@nesting
11537         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11538     \else
11539         \Hy@raisedlink{%
11540             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11541         }%
11542         \let\@currentHlabel\Hy@footnote@currentHlabel
11543         \let\@currentHref\Hy@footnote@currentHref
11544         \let\@currentlabelname\@empty
11545         #1%
11546     \fi
11547 }%
11548 }%
11549 \long\def\@LTRfootnotetext#1{%
11550 \HLTR@@LTRfootnotetext{%
11551     \ifHy@nesting
11552         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11553     \else
11554         \Hy@raisedlink{%
11555             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11556         }%
11557         \let\@currentHlabel\Hy@footnote@currentHlabel
11558         \let\@currentHref\Hy@footnote@currentHref
11559         \let\@currentlabelname\@empty

```



```

11560         #1%
11561         \fi
11562     }%
11563 }%
11564 \ifpackageloaded{tabularx}{%
11565 \let\HyOrg@TX@endtabularx\TX@endtabularx
11566 \def\Hy@tabularx@hook{%
11567 \let\@footnotetext\H@@footnotetext
11568 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11569 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11570 \let\@footnotemark\H@@footnotemark
11571 \let\@mpfootnotetext\H@@mpfootnotetext
11572 \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
11573 \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
11574 }%
11575 \begingroup
11576 \toks@{\expandafter{\TX@endtabularx}}%
11577 \xdef\Hy@gtemp{%
11578 \noexpand\Hy@tabularx@hook
11579 \the\toks@
11580 }%
11581 \endgroup
11582 \let\TX@endtabularx\Hy@gtemp
11583 }{}%
11584 \ifpackageloaded{longtable}{%
11585 \CheckCommand*{\LT@p@LTRftntext}[1]{%
11586 \edef\@tempa{%
11587 \the\LT@p@ftn
11588 \noexpand\LTRfootnotetext[\the\c@footnote]}%
11589 }%
11590 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11591 }%
11592 \long\def\LT@p@LTRftntext#1{%
11593 \edef\@tempa{%
11594 \the\LT@p@ftn
11595 \begingroup
11596 \noexpand\c@footnote=\the\c@footnote\relax
11597 \noexpand\protected@xdef\noexpand\@thefnmark{%
11598 \noexpand\thempfn
11599 }%
11600 \noexpand\Hy@LT@LTRfootnotetext{%
11601 \Hy@footnote@currentHref
11602 }%
11603 }%
11604 \global\LT@p@ftn\expandafter{%
11605 \@tempa{#1}%
11606 \endgroup
11607 }%
11608 }%
11609 \long\def\Hy@LT@LTRfootnotetext#1#2{%

```




```

11610 \HLTR@@LTRfootnotetext{%
11611 \ifHy@nesting
11612 \hyper@@anchor{#1}{#2}%
11613 \else
11614 \Hy@raisedlink{%
11615 \hyper@@anchor{#1}{\relax}%
11616 }%
11617 \def\@currentHref{#1}%
11618 \let\@currentlabelname\@empty
11619 #2%
11620 \fi
11621 }%
11622 }%
11623 \CheckCommand*{\LT@p@RTLftntext}[1]{%
11624 \edef\@tempa{%
11625 \the\LT@p@ftn
11626 \noexpand\RTLfootnotetext[\the\c@footnote]%
11627 }%
11628 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11629 }%
11630 \long\def\LT@p@RTLftntext#1{%
11631 \edef\@tempa{%
11632 \the\LT@p@ftn
11633 \begingroup
11634 \noexpand\c@footnote=\the\c@footnote\relax
11635 \noexpand\protected@xdef\noexpand\@thefnmark{%
11636 \noexpand\thempfn
11637 }%
11638 \noexpand\Hy@LT@RTLfootnotetext{%
11639 \Hy@footnote@currentHref
11640 }%
11641 }%
11642 \global\LT@p@ftn\expandafter{%
11643 \@tempa{#1}%
11644 \endgroup
11645 }%
11646 }%
11647 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11648 \HRTL@@RTLfootnotetext{%
11649 \ifHy@nesting
11650 \hyper@@anchor{#1}{#2}%
11651 \else
11652 \Hy@raisedlink{%
11653 \hyper@@anchor{#1}{\relax}%
11654 }%
11655 \def\@currentHref{#1}%
11656 \let\@currentlabelname\@empty
11657 #2%
11658 \fi
11659 }%

```



```

11660 }%
11661 }{}%
11662 \@ifpackageloaded{bidipoem}{%
11663 \long\def\bidipoem@p@ftntext#1{%
11664 \edef\@tempix{%
11665 \the\bidipoem@p@ftn
11666 \beginingroup
11667 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11668 \noexpand\protected@xdef\noexpand\@thefnmark{%
11669 \noexpand\thempfn
11670 }%
11671 \noexpand\Hy@bidipoem@footnotetext{%
11672 \Hy@footnote@currentHref
11673 }%
11674 }%
11675 \global\bidipoem@p@ftn\expandafter{%
11676 \@tempix{#1}%
11677 \endgroup
11678 }%
11679 }%
11680 \long\def\Hy@bidipoem@footnotetext#1#2{%
11681 \H@@footnotetext{%
11682 \ifHy@nesting
11683 \hyper@@anchor{#1}{#2}%
11684 \else
11685 \Hy@raisedlink{%
11686 \hyper@@anchor{#1}{\relax}%
11687 }%
11688 \def\@currentHref{#1}%
11689 \let\@currentlabelname\@empty
11690 #2%
11691 \fi
11692 }%
11693 }%
11694 \long\def\bidipoem@p@LTRftntext#1{%
11695 \edef\@tempxi{%
11696 \the\bidipoem@p@ftn
11697 \beginingroup
11698 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11699 \noexpand\protected@xdef\noexpand\@thefnmark{%
11700 \noexpand\thempfn
11701 }%
11702 \noexpand\Hy@bidipoem@LTRfootnotetext{%
11703 \Hy@footnote@currentHref
11704 }%
11705 }%
11706 \global\bidipoem@p@ftn\expandafter{%
11707 \@tempxi{#1}%
11708 \endgroup
11709 }%

```



```

11710 }%
11711 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11712   \HLTR@@LTRfootnotetext{%
11713     \ifHy@nesting
11714       \hyper@@anchor{#1}{#2}%
11715     \else
11716       \Hy@raisedlink{%
11717         \hyper@@anchor{#1}{\relax}%
11718       }%
11719       \def\@currentHref{#1}%
11720       \let\@currentlabelname\@empty
11721       #2%
11722     \fi
11723   }%
11724 }%
11725   \long\def\bidipoem@p@RTLftntext#1{%
11726   \edef\@tempxi{%
11727     \the\bidipoem@p@ftn
11728     \begingroup
11729     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11730     \noexpand\protected@xdef\noexpand\@thefnmark{%
11731       \noexpand\thempfn
11732     }%
11733     \noexpand\Hy@bidipoem@RTLfootnotetext{%
11734       \Hy@footnote@currentHref
11735     }%
11736   }%
11737   \global\bidipoem@p@ftn\expandafter{%
11738     \@tempxi{#1}%
11739   \endgroup
11740 }%
11741 }%
11742 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11743   \HRTL@@RTLfootnotetext{%
11744     \ifHy@nesting
11745       \hyper@@anchor{#1}{#2}%
11746     \else
11747       \Hy@raisedlink{%
11748         \hyper@@anchor{#1}{\relax}%
11749       }%
11750       \def\@currentHref{#1}%
11751       \let\@currentlabelname\@empty
11752       #2%
11753     \fi
11754   }%
11755 }%
11756 }{}%
11757 \let\HyOrg@maketitle\maketitle
11758 \def\maketitle{%
11759   \let\Hy@saved@footnotemark\@footnotemark

```



```

11760 \let\Hy@saved@footnotetext\@footnotetext
11761 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11762 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11763 \let\@footnotemark\H@@footnotemark
11764 \let\@footnotetext\H@@footnotetext
11765 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11766 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11767 \@ifnextchar[\Hy@maketitle@optarg{% ]
11768 \HyOrg@maketitle
11769 \Hy@maketitle@end
11770 }%
11771 }%
11772 \def\Hy@maketitle@optarg[#1]{%
11773 \HyOrg@maketitle[{#1}]%
11774 \Hy@maketitle@end
11775 }%
11776 \def\Hy@maketitle@end{%
11777 \ifx\@footnotemark\H@@footnotemark
11778 \let\@footnotemark\Hy@saved@footnotemark
11779 \fi
11780 \ifx\@footnotetext\H@@footnotetext
11781 \let\@footnotetext\Hy@saved@footnotetext
11782 \fi
11783 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
11784 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
11785 \fi
11786 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
11787 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
11788 \fi
11789 }%
11790 \def\realfootnote{%
11791 \@ifnextchar[\@xfootnote{%
11792 \stepcounter{\@mpfn}%
11793 \protected@xdef\@thefnmark{\thempfn}%
11794 \H@@footnotemark\H@@footnotetext
11795 }%
11796 }%
11797 \fi
11798 \def\Hy@BeginAnnot#1{%
11799 \ifmmode\else\beginL\fi%
11800 \stepcounter{Hy@AnnotLevel}%
11801 \ifnum\value{Hy@AnnotLevel}=\@ne
11802 #1%
11803 \fi
11804 }
11805 \def\Hy@endAnnot{%
11806 \ifnum\value{Hy@AnnotLevel}=\@ne
11807 \Hy@endcolorlink
11808 \@pdfm@mark{eann}%
11809 \fi

```



```

11810 \addtocounter{Hy@AnnotLevel}\m@ne
11811 \ifmmode\else\endL\fi%
11812 }
11813 \def\hyper@link#1#2#3{%
11814 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\H
11815 }
11816 \def\hyper@linkfile#1#2#3{%
11817 \leavevmode
11818 \Hy@BeginAnnot{%
11819 \def\Hy@pstringF{#2}%
11820 \Hy@CleanupFile\Hy@pstringF
11821 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
11822 \Hy@pstringdef\Hy@pstringD{#3}%
11823 \Hy@MakeRemoteAction
11824 \@pdfm@mark{%
11825 bann<<%
11826 /Type/Annot%
11827 /Subtype/Link%
11828 \ifHy@pdfa /F 4\fi
11829 \Hy@setpdfborder
11830 \ifx\@filebordercolor\relax
11831 \else
11832 /C[\@filebordercolor]%
11833 \fi
11834 /A<<%
11835 /S/GoToR%
11836 /F(\Hy@pstringF)%
11837 /D%
11838 \ifx\#3\%
11839 [\Hy@href@page\@pdfremotestartview]%
11840 \else
11841 (\Hy@pstringD)%
11842 \fi
11843 \Hy@SetNewWindow
11844 \Hy@href@nextactionraw
11845 >>%
11846 >>%
11847 }%
11848 \Hy@colorlink\@filecolor
11849 }%
11850 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11851 \Hy@EndAnnot
11852 }
11853 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
11854 \leavevmode
11855 \Hy@BeginAnnot{%
11856 \Hy@pstringdef\Hy@pstringF{#1}%
11857 \Hy@pstringdef\Hy@pstringP{#3}%
11858 \@pdfm@mark{%
11859 bann<<%

```



```

11860      /Type/Annot%
11861      /Subtype/Link%
11862      \ifHy@pdfa /F 4\fi
11863      \Hy@setpdfborder
11864      \ifx\@runbordercolor\relax
11865      \else
11866        /C[\@runbordercolor]%
11867      \fi
11868      /A<<%
11869        /F(\Hy@pstringF)%
11870        /S/Launch%
11871        \Hy@SetNewWindow
11872        \ifx\@#3\%
11873        \else
11874          /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
11875        \fi
11876        \Hy@href@nextactionraw
11877      >>%
11878    >>%
11879  }%
11880  \Hy@colorlink\@runcolor
11881 }%
11882 \ifmmode\else\ifRTL\beginR\fi\fi#2\ifmmode\else\ifRTL\endR\fi\fi\Hy@xspace@end
11883 \Hy@endAnnot
11884 }
11885 \def\hyper@linkurl#1#2{%
11886   \leavevmode
11887   \Hy@BeginAnnot{%
11888     \Hy@pstringdef\Hy@pstringURI{#2}%
11889     \@pdfm@mark{%
11890       bann<<%
11891         /Type/Annot%
11892         /Subtype/Link%
11893         \ifHy@pdfa /F 4\fi
11894         \Hy@setpdfborder
11895         \ifx\@urlbordercolor\relax
11896         \else
11897           /C[\@urlbordercolor]%
11898         \fi
11899         /A<<%
11900           /S/URI%
11901           /URI(\Hy@pstringURI)%
11902           \ifHy@href@ismap
11903           /IsMap true%
11904         \fi
11905         \Hy@href@nextactionraw
11906       >>%
11907     >>%
11908   }%
11909   \Hy@colorlink\@urlcolor

```



```

11910 }%
11911 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11912 \Hy@EndAnnot
11913 }
11914 \def\Acrobatmenu#1#2{%
11915 \Hy@Acrobatmenu{#1}{#2}{%
11916 \Hy@BeginAnnot{%
11917 \EdefEscapeName\Hy@temp@menu{#1}%
11918 \@pdfm@mark{%
11919 bann<<%
11920 /Type/Annot%
11921 /Subtype/Link%
11922 \ifHy@pdfa /F 4\fi
11923 \Hy@setpdfborder
11924 \ifx\@menubordercolor\relax
11925 \else
11926 /C[\@menubordercolor]%
11927 \fi
11928 /A<<%
11929 /S/Named%
11930 /N/\Hy@temp@menu
11931 \Hy@href@nextactionraw
11932 >>%
11933 >>%
11934 }%
11935 \Hy@colorlink\@menucolor
11936 }%
11937 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11938 \Hy@EndAnnot
11939 }%
11940 }
11941 \def\hyper@natlinkstart#1{%
11942 \Hy@backout{#1}%
11943 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
11944 \def\hyper@nat@current{#1}%
11945 }
11946 \def\hyper@natlinkend{%
11947 \if@RTL\endR\fi\hyper@linkend
11948 }
11949 \def\hyper@natlinkbreak#1#2{%
11950 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
11951 }%
11952 }
11953 \pdfstringdefDisableCommands{%
11954 \let\LRE\@firstofone
11955 \let\LR\@firstofone
11956 \let\RLE\@firstofone
11957 \let\RL\@firstofone
11958 \def\XeTeX{XeTeX}
11959 \def\XeLaTeX{XeLaTeX}

```



```

11960 }
11961 \@ifpackageloaded{longtable}{%
11962   \begingroup
11963     \def\y{\LT@array}%
11964     \@ifundefined{scr@LT@array}{%
11965       \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
11966     }\def\y{\scr@LT@array}}%
11967     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
11968       \expandafter\endgroup
11969       \expandafter\def\y[##1]##2{%
11970         \H@refstepcounter{#1}%
11971         \hyper@makecurrent{table}%
11972         \let\Hy@LT@currentHref\@currentHref
11973         #2\@sharp####4%
11974       }%
11975     }%
11976     \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
11977   \begingroup
11978     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
11979     \endgroup
11980     \def\LT@start{%
11981       #1%
11982       \ifvoid\LT@foot#2\fi
11983       \let\@currentHref\Hy@LT@currentHref
11984       \Hy@raisedlink{%
11985         \hyper@anchorstart{\@currentHref}\hyper@anchorend
11986       }%
11987       #3%
11988     }%
11989   }%
11990   \expandafter\x\LT@start\@nil
11991 }{}

```

7.71 leqno-xetex-bidi.def

```

11992 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX engine]
11993 \renewcommand\@eqnnum{\hb@xt@0.01\p@{}%
11994   \rlap{
11995     \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)}\i

```

7.72 letter-xetex-bidi.def

```

11996 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
11997 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
11998   \thispagestyle{firstpage}%
11999   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12000 \else % home address
12001   \thispagestyle{empty}%
12002   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12003     \fromaddress \*[2\parskip]%
12004     \@date \end{tabular}\par}%

```




```

12005 \fi
12006 \vspace{2\parskip}%
12007 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
12008 \vspace{2\parskip}%
12009 #1\par\nobreak}
12010 \renewcommand\left@footnoterule{%
12011 \kern-\p@
12012 \hrule \@width .4\columnwidth
12013 \kern .6\p@}
12014 \renewcommand\right@footnoterule{%
12015 \kern-\p@
12016 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12017 \kern .6\p@}

```

7.73 lettrine-xetex-bidi.def

```

12018 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package for
12019 \def\@lettrine[#1]#2#3{%
12020 \setcounter{L@lines}{\theDefaultLines}%
12021 \setcounter{L@depth}{\theDefaultDepth}%
12022 \renewcommand*{\L@hang}{\DefaultLhang}%
12023 \renewcommand*{\L@oversize}{\DefaultLoversize}%
12024 \renewcommand*{\L@raise}{\DefaultLraise}%
12025 \renewcommand*{\L@ante}{}%
12026 \setlength{\L@Findent}{\DefaultFindent}%
12027 \setlength{\L@Nindent}{\DefaultNindent}%
12028 \setlength{\L@slope}{\DefaultSlope}%
12029 \setlength{\L@novskip}{\DiscardVskip}%
12030 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12031 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12032 \if\DefaultOptionsFile\relax
12033 \else
12034 \begingroup
12035 \InputIfFileExists{\DefaultOptionsFile}%
12036 {}%
12037 {\PackageWarning{lettrine.sty}%
12038 {File \DefaultOptionsFile\space not found}%
12039 }%
12040 \def\color##1##{\l@color{##1}}%
12041 \let\l@color\@gobbletwo
12042 \def\textcolor##1##{\l@textcolor{##1}}%
12043 \def\l@textcolor##1##2##3{##3}%
12044 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12045 \gdef\l@LOKeys{%
12046 \else
12047 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12048 \fi
12049 \endgroup
12050 \def\KV@prefix{KV@L@}%
12051 \let\@tempc\relax

```



```

12052 \expandafter\KV@do\l@LOKeys,\relax,
12053 \sbox{\L@lbox}{\LettrineFont #2}%
12054 \setlength{\LettrineWidth}{\wd\L@lbox}%
12055 \def\KV@prefix{KV@L@}%
12056 \let\@tempc\relax
12057 \expandafter\KV@do\l@LOKeys,\relax,
12058 \fi
12059 \setkeys{L}{#1}%
12060 \ifL@image
12061 \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12062 \else
12063 \sbox{\L@lbox}{\LettrineFont #2}%
12064 \fi
12065 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12066 \@tempdima=\baselineskip
12067 \ifnum\theL@lines=1
12068 \setlength{\L@first}{\ht\L@lbox}%
12069 \addtolength{\L@first}{-\ht\L@tbox}%
12070 \setlength{\L@lraise}{\z@}%
12071 \else
12072 \setlength{\L@first}{-\theL@lines\@tempdima}%
12073 \addtolength{\L@first}{\@tempdima}%
12074 \sbox{\@tempboxa}{\LettrineTextFont x}%
12075 \addtolength{\L@first}{-\ht\@tempboxa}%
12076 \setlength{\L@lraise}{-\L@raise\L@first}%
12077 \addtolength{\L@first}{\L@lraise}%
12078 \addtolength{\L@first}{\ht\L@lbox}%
12079 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12080 \addtolength{\L@lraise}{\@tempdima}%
12081 \fi
12082 \par
12083 \ifdim\L@first>\L@novskip
12084 \ifL@grid
12085 \@tempdima=\baselineskip
12086 \@tempdimb=\@tempdima
12087 \advance\@tempdimb by \L@novskip
12088 \@tempcnta=1
12089 \loop\ifdim\L@first>\@tempdimb
12090 \advance\@tempcnta by 1
12091 \advance\L@first by -\@tempdima
12092 \repeat
12093 \vskip\@tempcnta\baselineskip
12094 \else
12095 \vskip\L@first
12096 \fi
12097 \fi
12098 \setlength{\L@Pindent}{\wd\L@lbox}%
12099 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12100 \settowidth{\L@first}{\L@ante}%
12101 \addtolength{\L@Pindent}{\L@first}%

```



```

12102 \addtolength{\L@Pindent}{\L@Findent}%
12103 \setlength{\L@first}{\linewidth}%
12104 \addtolength{\L@first}{-\L@Pindent}%
12105 \addtolength{\L@Nindent}{\L@Pindent}%
12106 \setlength{\L@next}{\linewidth}%
12107 \addtolength{\L@next}{-\L@Nindent}%
12108 \addtolength{\L@Pindent}{\rightmargin}%
12109 \addtolength{\L@Nindent}{\rightmargin}%
12110 \setlength{\LettrineWidth}{\wd\L@lbox}%
12111 \setlength{\LettrineHeight}{\ht\L@lbox}%
12112 \setlength{\LettrineDepth}{\dp\L@lbox}%
12113 \addtocounter{L@lines}{1}%
12114 \addtocounter{L@lines}{\the\c@L@depth}%
12115 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pin
12116 \@tempcnta=\tw@
12117 \@whilenum \@tempcnta<\c@L@lines\do{
12118   \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the\
12119     \addtolength{\L@Nindent}{\L@slope}%
12120     \addtolength{\L@next}{-\L@slope}%
12121     \advance\@tempcnta\@ne}%
12122 \ifRTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \rig
12123 \noindent
12124 \parshape=\L@parshape\relax
12125 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12126   \hskip \the\L@Findent}}%
12127 \usebox{\L@tbox}%
12128 }

```

7.74 listings-xetex-bidi.def

```

12129 \ProvidesFile{listings-xetex-bidi.def}[2015/08/23 v0.9 bidi adaptations for listings package for
12130 \lst@Key{captiondirection}{texdirection}{%
12131   \lstKV@SwitchCases{#1}%
12132   {texdirection&\\%
12133     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12134     LTR&\chardef\bidi@lst@caption@direction\@z}%
12135   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12136 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
12137   \ifundefined{bidi@lst@caption@direction}{\}%
12138   \ifnum\bidi@lst@caption@direction=\@z%
12139     #1%
12140   \else%
12141     \ifnum\bidi@lst@caption@direction=\@ne%
12142       #2%
12143     \fi%
12144     \fi%
12145 }}
12146 \long\def\@bidi@lst@makecaption#1#2{%
12147   \vskip\abovecaptionskip
12148   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%

```



```

12149 \sbox\@tempboxa{%
12150 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
12151 #1: #2%
12152 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12153 }%
12154 \ifdim \wd\@tempboxa >\hsize
12155 #1: #2\par
12156 \else
12157 \global \@minipagefalse
12158 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12159 \fi
12160 \vskip\belowcaptionskip}%
12161 \def\lst@makecaption{\@bidi@lst@makecaption}
12162 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
12163 \bidi@patchcmd{\lst@MakeCaption}{%
12164 \ifx #1%
12165 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12166 \expandafter\refstepcounter
12167 \fi {lstlisting}%
12168 }{%
12169 \ifx #1%
12170 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12171 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12172 \expandafter\refstepcounter
12173 \fi {lstlisting}%
12174 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
12175 }{}{}
12176 \bidi@patchcmd{\lst@MakeCaption}{%
12177 \addcontentsline{lol}{lstlisting}%
12178 {\protect\numberline{\thelstlisting}\lst@@caption}%
12179 }{%
12180 \begingroup%
12181 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12182 \addcontentsline{lol}{lstlisting}%
12183 {\protect\numberline{\thelstlisting}\lst@@caption}%
12184 \endgroup%
12185 }{}{}
12186 \AtBeginDocument{%
12187 \@ifundefined{captionlabelfalse}{}{}%
12188 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
12189 \@ifundefined{caption@startrue}{}{}%
12190 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
12191 }
12192 \AtBeginDocument{
12193 \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
12194 \lst@ifnumberbychapter
12195 \gdef\thelstlisting%
12196 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12197 \else
12198 \gdef\thelstlisting{\@arabic\c@lstlisting}

```



12199 \fi}

7.75 loadingorder-xetex-bidi.def

```
12200 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last pa
12201 \bidi@isloaded{amsmath}
12202 \bidi@isloaded{amstext}
12203 \bidi@isloaded{amsthm}
12204 \bidi@isloaded{animate}
12205 \bidi@isloaded{breqn}
12206 \bidi@isloaded{cals}
12207 \bidi@isloaded{caption}
12208 \bidi@isloaded{crop}
12209 \bidi@isloaded{cuted}
12210 \bidi@isloaded{cutwin}
12211 \bidi@isloaded{color}
12212 \bidi@isloaded{dblfnote}
12213 \bidi@isloaded{xcolor}
12214 \bidi@isloaded{colortbl}
12215 \bidi@isloaded{float}
12216 \bidi@isloaded{floatrow}
12217 \bidi@isloaded{flowfram}
12218 \bidi@isloaded{framed}
12219 \bidi@isloaded{ftnright}
12220 \bidi@isloaded{xltextra}
12221 \bidi@isloaded{xunicode}
12222 \bidi@isloaded{wrapfig}
12223 \bidi@isloaded{graphicx}
12224 \bidi@isloaded{geometry}
12225 \bidi@isloaded{hvfloat}
12226 \bidi@isloaded{mdframed}
12227 \bidi@isloaded{midfloat}
12228 \bidi@isloaded{ntheorem}
12229 \bidi@isloaded{ntheorem-hyper}
12230 \bidi@isloaded{hyperref}
12231 \bidi@isloaded{fancybox}
12232 \bidi@isloaded{fancyhdr}
12233 \bidi@isloaded{fix2col}
12234 \bidi@isloaded{draftwatermark}
12235 \bidi@isloaded{empheq}
12236 \bidi@isloaded{overpic}
12237 \bidi@isloaded{pdfpages}
12238 \bidi@isloaded{listings}
12239 \bidi@isloaded{lettrine}
12240 \bidi@isloaded{media9}
12241 \bidi@isloaded{pstricks}
12242 \bidi@isloaded{pgf}
12243 \bidi@isloaded{picinpar}
12244 \bidi@isloaded{quotchap}
12245 \bidi@isloaded{tikz}
```



```

12246 \bidi@isloaded{titlesec}
12247 \bidi@isloaded{titletoc}
12248 \bidi@isloaded{array}
12249 \bidi@isloaded{soul}
12250 \bidi@isloaded{stabular}
12251 \bidi@isloaded{subfig}
12252 \bidi@isloaded{subfigure}
12253 \bidi@isloaded{supertabular}
12254 \bidi@isloaded{xtab}
12255 \bidi@isloaded{longtable}
12256 \bidi@isloaded{arydshln}
12257 \bidi@isloaded{multicol}
12258 \bidi@isloaded{multienum}
12259 \bidi@isloaded{minitoc}
12260 \bidi@isloaded{natbib}
12261 \bidi@isloaded{newfloat}
12262 \bidi@isloaded{ragged2e}
12263 \bidi@isloaded{rotating}
12264 \bidi@isloaded{tables}
12265 \bidi@isloaded{tabulary}
12266 \bidi@isloaded{tocbasic}
12267 \bidi@isloaded{tocstyle}
12268 \bidi@isloaded{tocbibind}
12269 \bidi@isloaded{fontspec}
12270 \bidi@isloaded{arabxetex}
12271 \bidi@isloaded{polyglossia}
12272 \bidi@isloaded{fancyvrb}
12273 \AtBeginDocument{
12274   \if@bidi@amsmathloaded@ \else
12275     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. P
12276     \fi%
12277     \if@bidi@amstextloaded@ \else
12278       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. P
12279       \fi%
12280       \if@bidi@amsthmloaded@ \else
12281         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. P
12282         \fi%
12283         \if@bidi@animateloaded@ \else
12284           \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package. P
12285           \fi%
12286           \if@bidi@breqnloaded@ \else
12287             \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Plea
12288             \fi%
12289             \if@bidi@calsloaded@ \else
12290               \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Plea
12291               \fi%
12292               \if@bidi@captionloaded@ \else
12293                 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. P
12294                 \fi%
12295                 \if@bidi@croploaded@ \else

```



```

12296 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Plea
12297 \fi%
12298 \if@bidi@colorloaded@else
12299 \@ifpackageloaded{hyperref}{-}{%
12300 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Ple
12301 \fi%
12302 \if@bidi@cutwinloaded@else
12303 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. PL
12304 \fi%
12305 \if@bidi@cutedloaded@else
12306 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Ple
12307 \fi%
12308 \if@bidi@dblfnoteloaded@else
12309 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
12310 \fi%
12311 \if@bidi@xcolorloaded@else
12312 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. PL
12313 \fi%
12314 \if@bidi@colortblloaded@else
12315 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
12316 \fi%
12317 \if@bidi@floatloaded@else
12318 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Ple
12319 \fi%
12320 \if@bidi@floatrowloaded@else
12321 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
12322 \fi%
12323 \if@bidi@flowframloaded@else
12324 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
12325 \fi%
12326 \if@bidi@framedloaded@else
12327 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. PL
12328 \fi%
12329 \if@bidi@ftnrightloaded@else
12330 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
12331 \fi%
12332 \if@bidi@xltxtraloaded@else
12333 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi package. P
12334 \fi%
12335 \if@bidi@xunicodeloaded@else
12336 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.
12337 \fi%
12338 \if@bidi@wrapfigloaded@else
12339 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. P
12340 \fi%
12341 \if@bidi@graphicxloaded@else
12342 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.
12343 \fi%
12344 \if@bidi@geometryloaded@else
12345 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.

```



```

12346 \fi%
12347 \if@bidi@hvfloatloaded@else
12348 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package. P
12349 \fi%
12350 \if@bidi@mdframedloaded@else
12351 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
12352 \fi%
12353 \if@bidi@midfloatloaded@else
12354 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
12355 \fi%
12356 \if@bidi@ntheoremloaded@else
12357 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
12358 \fi%
12359 \if@bidi@hyperrefloaded@else
12360 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
12361 \fi%
12362 \if@bidi@fancyboxloaded@else
12363 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
12364 \fi%
12365 \if@bidi@fancyhdrloaded@else
12366 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
12367 \fi%
12368 \if@bidi@draftwatermarkloaded@else
12369 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi package.
12370 \fi%
12371 \if@bidi@empheqloaded@else
12372 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. P
12373 \fi%
12374 \if@bidi@overpicloaded@else
12375 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi package. P
12376 \fi%
12377 \if@bidi@pdfpagesloaded@else
12378 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
12379 \fi%
12380 \if@bidi@lettrineloaded@else
12381 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
12382 \fi%
12383 \if@bidi@listingsloaded@else
12384 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
12385 \fi%
12386 \csname if@bidi@media9loaded@endcsname\else
12387 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package. P
12388 \fi%
12389 \if@bidi@pstricksloaded@else
12390 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
12391 \fi%
12392 \if@bidi@pgfloaded@else
12393 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
12394 \fi%
12395 \if@bidi@pacinparloaded@else

```




```

12396 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.
12397 \fi%
12398 \if@bidi@quotchaploaded@else
12399 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package.
12400 \fi%
12401 \if@bidi@tikzloaded@else
12402 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Plea
12403 \fi%
12404 \if@bidi@titlesecloaded@else
12405 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
12406 \fi%
12407 \if@bidi@titletocloaded@else
12408 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
12409 \fi%
12410 \if@bidi@arrayloaded@else
12411 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
12412 \fi%
12413 \if@bidi@stabularloaded@else
12414 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
12415 \fi%
12416 \if@bidi@soulloaded@else
12417 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Plea
12418 \fi%
12419 \if@bidi@subfigloaded@else
12420 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. PL
12421 \fi%
12422 \if@bidi@subfigureloaded@else
12423 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package.
12424 \fi%
12425 \if@bidi@supertabularloaded@else
12426 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi packa
12427 \fi%
12428 \if@bidi@xtabloaded@else
12429 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Plea
12430 \fi%
12431 \if@bidi@longtableloaded@else
12432 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package.
12433 \fi%
12434 \if@bidi@arydshlnloaded@else
12435 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
12436 \fi%
12437 \if@bidi@multicolloaded@else
12438 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
12439 \fi%
12440 \if@bidi@multienumloaded@else
12441 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package.
12442 \fi%
12443 \if@bidi@minitocloaded@else
12444 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. P
12445 \fi%

```



```

12446 \if@bidi@natbibloaded@\else
12447 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. Ple
12448 \fi%
12449 \if@bidi@newfloatloaded@\else
12450 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
12451 \fi%
12452 \csname if@bidi@ragged2loaded@\endcsname\else
12453 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
12454 \fi%
12455 \if@bidi@rotatingloaded@\else
12456 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
12457 \fi%
12458 \if@bidi@tabloaded@\else
12459 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabs after bidi package. Ple
12460 \fi%
12461 \if@bidi@tabularyloaded@\else
12462 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package.
12463 \fi%
12464 \if@bidi@tocbasicloaded@\else
12465 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi package.
12466 \fi%
12467 \if@bidi@tocstyleloaded@\else
12468 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
12469 \fi%
12470 \if@bidi@tocbibindloaded@\else
12471 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package.
12472 \fi%
12473 \if@bidi@fontspecloaded@\else
12474 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
12475 \fi%
12476 \if@bidi@arabxetexloaded@\else
12477 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package.
12478 \fi%
12479 \if@bidi@polyglossialloaded@\else
12480 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packag
12481 \fi%
12482 \if@bidi@fancyvrbloaded@\else
12483 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
12484 \fi%
12485 }

```

7.76 longtable-xetex-bidi.def

```

12486 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package f
12487 \def\LT@array[#1]#2{%
12488 \refstepcounter{table}\stepcounter{LT@tables}%
12489 \if l#1%
12490 \if RTLtab\LTleft\fill \LTright\z@ \else\LTleft\z@ \LTright\fill\fi
12491 \else\if r#1%
12492 \if RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi

```



```

12493 \else\if c#1%
12494 \LTleft\fill \Ltright\fill
12495 \fi\fi\fi
12496 \let\LT@mc\multicolumn
12497 \let\LT@tabarray\@tabarray
12498 \let\LT@hl\hline
12499 \def\@tabarray{%
12500 \let\hline\LT@hl
12501 \LT@tabarray}%
12502 \let\LT@tabularcr\let\@tabularnewline\%
12503 \def\newpage{\noalign{\break}}%
12504 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
12505 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
12506 \let\hline\LT@hl \let\kill\LT@kill\let\caption\LT@caption
12507 \@tempdima\ht\strutbox
12508 \let\@endpbox\LT@endpbox
12509 \ifx\extrarowheight\@undefined
12510 \let\@acol\@tabacol
12511 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
12512 \def\@startpbox{\vtop\LT@startpbox}%
12513 \let\@startpbox\@startpbox
12514 \let\@endpbox\@endpbox
12515 \let\LT@LL@FM@cr\@tabularcr
12516 \else
12517 \advance\@tempdima\extrarowheight
12518 \col@sep\@tabcolsep
12519 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
12520 \fi
12521 \setbox\@arstrutbox\hbox{\vrule
12522 \@height \arraystretch \@tempdima
12523 \@depth \arraystretch \dp \strutbox
12524 \@width \z@}%
12525 \let\@sharp#\let\protect\relax
12526 \begingroup
12527 \mkpream{#2}%
12528 \xdef\LT@bchunk{%
12529 \global\advance\c@LT@chunks\@ne
12530 \global\LT@rows\z@\setbox\z@\vbox\bgroup
12531 \LT@setprevdepth
12532 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
12533 \tabskip\z@ \@arstrut \@preamble \tabskip\Ltright \cr}%
12534 \endgroup
12535 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12536 \LT@make@row
12537 \m@th\let\par\@empty
12538 \everycr{}\lineskip\z@\baselineskip\z@
12539 \LT@bchunk}
12540 \def\LT@makecaption#1#2#3{%
12541 \LT@mc\LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
12542 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}}%

```



```

12543 \ifdim\wd\@tempboxa>\hsize
12544 #1{#2: }#3%
12545 \else
12546 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
12547 \fi
12548 \endgraf\vskip\baselineskip}%
12549 \hss}}}
12550 \ifpackageloaded{caption}{%
12551 \renewcommand\LT@makecaption[3]{%
12552 \caption@LT@make{%
12553 \caption@settype*\LTcaptype
12554 \ifdim\LTcapwidth=4in \else
12555 \setcaptionwidth\LTcapwidth
12556 \fi
12557 \caption@setoptions{longtable}%
12558 \caption@setoptions{@longtable}%
12559 \caption@LT@setup
12560 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
12561 \caption@startrue#1\caption@starfalse
12562 \caption@prepare@stepcounter\LTcaptype{LT}%
12563 \caption@begin\LTcaptype
12564 \caption@normalsize
12565 \vskip-\ht\strutbox
12566 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
12567 \caption@@make{#2}{#3}\endgraf
12568 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
12569 \caption@end}}%
12570 }{}
12571 \def\LT@startpbox#1{%
12572 \bgroup
12573 \let\@footnotetext\LT@p@ftntext
12574 \let\@LTRfootnotetext\LT@p@LTRftntext
12575 \let\@RTLfootnotetext\LT@p@RTLftntext
12576 \setlength\hsize{#1}%
12577 \@arrayparboxrestore
12578 \vrule \@height \ht\@arstrutbox \@width \z@}
12579 \def\LT@p@LTRftntext#1{%
12580 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
12581 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12582 \def\LT@p@RTLftntext#1{%
12583 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
12584 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

7.77 mdframed-xetex-bidi.def

```

12585 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for
12586 \newif\if@bidi@mdf@RTL
12587 \def\mdf@lrbox#1{%
12588 \mdf@patchamsthm\patch amsthm
12589 \if@RTL\@bidi@mdf@RTLtrue\fi%

```



```

12590 \RTLfalse%
12591 \setbox#1\vbox\bgroup%
12592 \color@begingroup%
12593 \if@bidi@mdf@RTL\@RTLtrue\fi%
12594 \mdf@horizontalmargin@equation%
12595 \columnwidth=\hsize%
12596 \textwidth=\hsize%
12597 \let\if@nobreak\iffalse%
12598 \let\if@noskipsec\iffalse%
12599 \let\par\@par%
12600 \let\-\@dischyp%
12601 \let'\@acci\let\` \@accii\let\= \@acciii%
12602 \parindent\z@ \parskip\z@skip%
12603 \linewidth\hsize%
12604 \@totalleftmargin\z@%
12605 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
12606 \parfillskip\@flushglue \lineskip\normallineskip%
12607 \baselineskip\normalbaselineskip%
12608 %% \sloppy%
12609 \let\\\@normalcr%
12610 \mdf@par@local%New feature to restore parskip/parindent local in save box
12611 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
12612 \@afterindentfalse%
12613 %\@afterheading%
12614 }
12615 \renewrobustcmd\mdfframetitleenv[1]{%
12616 \mdf@lrbox{\mdf@frametitlebox}%
12617 \mdf@frametitlealignment%
12618 \leavevmode{\color{\mdf@frametitlefontcolor}%
12619 \normalfont\mdf@frametitlefont{#1}
12620 \ifbool{mdf@ignorelastdescenders}%
12621 {%
12622 \par\strut\par
12623 \unskip\unskip\setbox0=\lastbox
12624 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12625 }{}}%
12626 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
12627 \endmdf@lrbox\relax%
12628 \mdf@ignorevbadness%
12629 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12630 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12631 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12632 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
12633 \mdfframetitleboxtotalheight=\dimexpr
12634 \ht\mdf@frametitlebox
12635 +\dp\mdf@frametitlebox%
12636 +\mdf@frametitleaboveskip@length
12637 +\mdf@frametitlebelowskip@length
12638 \relax%
12639 }

```



```

12640
12641 \renewrobustcmd*\mdf@footnoteoutput{%
12642     \ifvoid\@mpfootins\else%
12643         \nobreak%
12644         \vskip\mdf@footnotedistance@length%
12645         \normalcolor%
12646         \bidi@mpfootnoterule%
12647         \unvbox\@mpfootins%
12648     \fi%
12649 }
12650
12651
12652 \renewrobustcmd*\mdf@footnoteinput{%
12653     \def\@mpfn{mpfootnote}%
12654     \def\thempfn{\thempfootnote}%
12655     \c@mpfootnote\z@%
12656     \let\@footnotetext\@mpfootnotetext%
12657     \let\@LTRfootnotetext\@mpLTRfootnotetext%
12658     \let\@RTLfootnotetext\@mpRTLfootnotetext%
12659 }

```

7.78 bidi-media9.sty

```

12660 \ProvidesExplPackage{bidi-media9}{2016/05/03}{0.2}
12661 {bidi fixes for media9 package for the XeTeX engine}
12662
12663 \keys_define:nn{media9/mbtn}{
12664     draft .code:n = {},
12665     final .code:n = {},
12666
12667     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
12668     tooltip .value_required:n = {true},
12669
12670     overface .code:n = {
12671         %\hbox_set:Nn\l_mix_poster_box{#1}
12672         \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12673         \mix_pdfxform:n{\l_mix_poster_box}
12674         \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
12675     },
12676     overface .value_required:n = {true},
12677
12678     downface .code:n = {
12679         %\hbox_set:Nn\l_mix_poster_box{#1}
12680         \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12681         \mix_pdfxform:n{\l_mix_poster_box}
12682         \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
12683     },
12684     downface .value_required:n = {true},
12685
12686     3Dgotoview .code:n = {

```



```

12687 \tl_set:Nx\l_tmpa_tl{#1} %extract ref
12688 \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl
12689 \tl_trim_spaces:N\l_tmpa_tl
12690 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12691   \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12692     \tl_set:Nx\l_tmpb_tl{#1} %extract idx
12693     \regex_replace_once:nnN{[^\:]+:?.*}{\1}\l_tmpb_tl
12694     \tl_trim_spaces:N\l_tmpb_tl
12695     \tl_if_blank:VF\l_tmpb_tl{
12696       \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
12697         \tl_set:Nx\l_mix_vidx_tl{/\l_tmpb_tl}
12698       }{
12699         \regex_match:nVTF{^[d+$$]\l_tmpb_tl{
12700           \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
12701         }{
12702           \regex_replace_once:nnN{^(\s*)}{\1}\l_tmpb_tl
12703           \regex_replace_once:nnN{(\s*)$}{\1}\l_tmpb_tl
12704           \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
12705         }
12706       }
12707     }
12708     \mix_pdfobj:nnn{}{dict}{
12709       /S/JavaScript/JS~(
12710         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12711         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12712           annotRM['\l_tmpa_tl']=
12713           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12714         }
12715         annotRM['\l_tmpa_tl'].activated=true;
12716       )
12717       \tl_if_blank:VF\l_tmpb_tl{
12718         /Next~<<
12719         /S/GoTo3DView
12720         /TA~\tl_use:c{ann@\l_tmpa_tl}
12721         /V\l_mix_vidx_tl
12722         >>
12723       }
12724     }
12725     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12726   }
12727   {
12728     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12729     \cs_if_exist:NF\g_mix_refundefwarned_tl{
12730       \tl_new:N\g_mix_refundefwarned_tl
12731       \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12732     }
12733   }
12734 },
12735 3Dgotoview .value_required:n = {true},
12736

```



```

12737 mediacommand .code:n = {
12738   \tl_set:Nx\l_tmpa_tl{#1}
12739   \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl %extract ref
12740   \tl_trim_spaces:N\l_tmpa_tl
12741   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12742     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12743       \tl_set:Nx\l_tmpb_tl{#1}
12744       \regex_replace_once:nnN{([~:~]+):~?}{\1}\l_tmpb_tl
12745       \tl_trim_spaces:N\l_tmpb_tl
12746       \regex_replace_all:nnN{^~{|\}$}{\1}\l_tmpb_tl
12747       \tl_set:Nx\l_mix_cmd_tl{
12748         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
12749       \tl_trim_spaces:N\l_mix_cmd_tl
12750       \tl_set:Nx\l_mix_arg_tl{
12751         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
12752       \tl_trim_spaces:N\l_mix_arg_tl
12753       \mix_pdfobj:nnn{}{dict}{
12754         /S/JavaScript/JS~(
12755           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
12756           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12757             annotRM['\l_tmpa_tl']=
12758             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12759           }
12760           annotRM['\l_tmpa_tl'].activated=true;
12761         )
12762         \tl_if_blank:VF\l_mix_cmd_tl{
12763           /Next~<<
12764           /S/RichMediaExecute
12765           /TA~\tl_use:c{ann@\l_tmpa_tl}
12766           /TI~\tl_use:c{main@\l_tmpa_tl}
12767           /CMD~<<
12768           /C~(\l_mix_cmd_tl)
12769           \tl_if_blank:VF\l_mix_arg_tl{
12770             /A~[\l_mix_arg_tl]
12771           }
12772           >>
12773           >>
12774         }
12775       }
12776       \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12777     }
12778   }{
12779     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12780     \cs_if_exist:NF\g_mix_refundefwarned_tl{
12781       \tl_new:N\g_mix_refundefwarned_tl
12782       \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12783     }
12784   }
12785 },
12786 mediacommand .value_required:n = {true},

```




```

12787
12788 jsaction .code:n = {
12789   \tl_set:Nx\l_tmpa_tl{#1}
12790   \regex_match:nVTF{^[^\{:\}+:\.*$}\l_tmpa_tl{
12791     \regex_replace_once:nnN{([^\{:\}+:\.]*){\1}\l_tmpa_tl %extract ref
12792     \tl_trim_spaces:N\l_tmpa_tl
12793   }{\tl_clear:N\l_tmpa_tl}
12794   \tl_set:Nx\l_tmpb_tl{#1}
12795   \tl_if_blank:VF\l_tmpa_tl{
12796     \tl_if_exist:cF{ann@\l_tmpa_tl}{
12797       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12798       \cs_if_exist:NF\g_mix_refundefwarned_tl{
12799         \tl_new:N\g_mix_refundefwarned_tl
12800         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12801       }
12802     }
12803     \regex_replace_once:nnN{[^\{:\}+:\.]*}{\l_tmpb_tl
12804   }
12805   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
12806   \tl_trim_spaces:N\l_tmpb_tl
12807   \tl_if_blank:VF\l_tmpb_tl{
12808     \mix_pdfobj:nnn{}{dict}{
12809       /S/JavaScript/JS~(
12810         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}))}
12811   \bool_if:nT{
12812     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12813     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
12814   }{
12815     \mix_pdfobj:nnn{}{dict}{
12816       /S/JavaScript/JS~(
12817         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12818         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12819           annotRM['\l_tmpa_tl']=
12820           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12821         }
12822         annotRM['\l_tmpa_tl'].activated=true;
12823       )
12824       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
12825     }
12826   }
12827   \bool_if:nT{
12828     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12829     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}||
12830     !\tl_if_blank_p:V\l_tmpb_tl
12831   }{
12832     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12833   }
12834 },
12835 jsaction .value_required:n = {true},
12836

```



```

12837 unknown .code:n = {
12838     \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
12839 }
12840 }
12841
12842
12843 \RenewDocumentCommand\includemedia{0{mm}}{%#1 options, #2 text/image #3 media file
12844     \mix_uriend:
12845     \group_begin:
12846     \beginL
12847     \leavevmode
12848     %empty stream as appearance dummy
12849     \cs_if_exist:NF\g_mix_appearance_tl{
12850         \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
12851         \mix_pdfxform:n{\l_mix_poster_box}
12852         \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
12853     }
12854     \mix_reset:
12855     \mix_urbegin: %treat URI characters correctly
12856     \keys_set:nn{media9/user}{#1}
12857     \mix_uriend:
12858     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
12859     \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
12860     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
12861     \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
12862     \tl_gtrim_spaces:N\g_mix_flashvars_tl
12863
12864     \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
12865
12866     %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
12867     %\hbox_set:Nn\l_mix_poster_box{#2}
12868     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
12869     \mix_scale:n{\l_mix_poster_box}
12870     \bool_if:nT{
12871         \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
12872         \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
12873     }{
12874         \tl_gset:Nn\g_mix_usrpbtn_tl{none}
12875     }
12876     \bool_if:NTF\g_mix_usrdraft_bool{
12877         \tl_if_empty:NF\g_mix_usrlabel_tl{
12878             \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
12879         }
12880         \tl_if_blank:oTF{#2}{
12881             \mix_urbegin: %treat URI characters correctly
12882             \mix_draftbox:n{\tl_to_str:n{#3}}
12883             \mix_uriend:
12884         }{
12885             \hbox_to_wd:nn{\g_mix_wd_tl}{
12886                 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl

```



```

12887         \box_use:N\l_mix_poster_box\hss
12888     }
12889 }
12890 }{
12891 \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
12892 %attach script that switches off play button overlay upon activation
12893 \mix_pdfobj:nnn{}{stream}{
12894     {}{
12895         var~ocgs=host.getOCGs(host.pageNum);
12896         for(var~i=0;i<ocgs.length;i++){
12897             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
12898                 ocgs[i].state=false;
12899             }
12900         }
12901     }
12902 }
12903 \mix_pdfobj:nnn{}{dict}{
12904 /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
12905 }
12906 \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
12907 \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
12908 %enforce plain playbutton overlay for XeTeX
12909 \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
12910 }
12911 %embed main asset
12912 \mix_uribegin:
12913 \mix_embedasset:n{#3}
12914 \bool_if:nTF{
12915 \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
12916 }{
12917     \bool_gset_true:N\g_mix_iiid_bool
12918     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
12919 }{
12920     \str_case_x:nnF{\l_mix_base_tl}{
12921         {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12922         {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12923         {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12924         {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12925         {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12926     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
12927 }
12928 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
12929 \mix_uriend:
12930 %secondary assets (added by addresource)
12931 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
12932 \seq_map_inline:Nn\g_mix_script_seq{
12933     \mix_embedasset:n{##1}
12934     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
12935 }
12936 %attach 3D calculation script

```



```

12937 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
12938   \mix_embedasset:n{3Dmenu.js}
12939   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
12940 }
12941 %create 3D views from file (option 3Dviews)
12942 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
12943   \tl_set:Nn\l_mix_level_tl{c_minus_one}
12944   \int_zero:N\l_mix_viewcnt_int
12945   \int_zero:N\l_mix_lineno_int
12946
12947   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
12948   \ior_map_inline:Nn\l_mix_vfile_stream{
12949     \int_incr:N\l_mix_lineno_int
12950     \keys_set:nn{media9/views}{##1} %process input line
12951   }
12952   \ior_close:N\l_mix_vfile_stream
12953 }
12954 \bool_if:nT{ %create default 3D view if required
12955   \g_mix_iiid_bool &&
12956   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
12957 }{
12958   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
12959   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
12960   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
12961   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
12962   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
12963   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
12964   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
12965
12966   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
12967   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
12968   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
12969   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
12970
12971   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
12972   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
12973   \tl_clear:N\l_mix_naarray_tl
12974
12975   \bool_if:NF\l_mix_ciiw_bool{
12976     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
12977     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
12978   }
12979
12980   \tl_clear:N\l_mix_naarray_tl
12981   \tl_clear:N\l_mix_saarray_tl
12982   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
12983
12984   \mix_view:n{Default}
12985   \tl_set:Nx\l_mix_dfltvview_tl{\mix_pdflastobj:}
12986

```



```

12987     }
12988     \mix_pdfobj:nnn{}{dict}{
12989         /Type/RichMediaInstance
12990         /Subtype/\g_mix_mainassetstl
12991         /Asset~\g_mix_mainasset_t1
12992         \bool_if:NF\g_mix_iiid_bool{
12993             /Params~<<
12994             /Binding\str_if_eq:VnTF\g_mix_transp_t1{true}{
12995                 /Foreground
12996             }{
12997                 /Background
12998             }
12999             \tl_if_blank:VF\g_mix_flashvars_t1{
13000                 /FlashVars~(\g_mix_flashvars_t1)
13001             }
13002             >>
13003         }
13004     }
13005     \tl_if_empty:NF\g_mix_usrlabel_t1{
13006         \mix_keytoaux_now:nn{main@\g_mix_usrlabel_t1}{\mix_pdflastobj:}
13007     }
13008     \mix_pdfobj:nnn{}{dict}{
13009         /Type/RichMediaConfiguration
13010         /Subtype/\g_mix_mainassetstl
13011         /Instances~[\mix_pdflastobj:]
13012     }
13013     \mix_pdfobj:nnn{}{dict}{
13014         /Type/RichMediaContent
13015         /Assets~<</Names~[\g_mix_assets_t1]>>
13016         /Configurations~[\mix_pdflastobj:]
13017         \bool_if:nT{
13018             \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_t1)
13019         }{
13020             /Views~[\l_mix_iiidviewarray_t1]
13021         }
13022     }
13023     \tl_set:Nx\l_mix_content_t1{\mix_pdflastobj:}
13024     \bool_if:nT{
13025         \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_t1{Oscillating}
13026     }{
13027         \tl_gset:Nx\g_mix_playcnt_t1{\int_eval:n{\g_mix_playcnt_t1*2}}
13028     }
13029     %determine floating window size
13030     \bool_if:NT\g_mix_opt_windowed_bool{
13031         \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_t1\q_stop
13032     }
13033     \mix_pdfobj:nnn{}{dict}{
13034         /Activation~<<
13035         /Condition\g_mix_act_t1
13036         \bool_if:nT{

```



```

13037         \g_mix_iiid_bool &&
13038         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13039     }{%seems to work only with 3D content
13040         /Animation~<<
13041         /Subtype~\g_mix_playtpe_tl
13042         /PlayCount~\g_mix_playcnt_tl
13043         /Speed~\g_mix_playspd_tl
13044     >>
13045 }
13046 \bool_if:nT{
13047     \g_mix_iiid_bool && (
13048     \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
13049     )
13050 }{/View~\l_mix_dfltview_tl}
13051 /Presentation~<<
13052     /Transparent~\g_mix_transp_tl
13053     \bool_if:NTF\g_mix_opt_windowed_bool{
13054         /Style/Windowed
13055         /Window~<<
13056             /Width~<</Default~\tl_mix_fltd>>
13057             /Height~<</Default~\tl_mix_flht>>
13058             /Position~<<
13059                 /HOffset~0/VOffset~0
13060                 \str_case:x:nnF{\g_mix_winpos_tl}{
13061                     {tl}{/VAlign/Near/HAlign/Near}
13062                     {cl}{/VAlign/Center/HAlign/Near}
13063                     {bl}{/VAlign/Far/HAlign/Near}
13064                     {bc}{/VAlign/Far/HAlign/Center}
13065                     {br}{/VAlign/Far/HAlign/Far}
13066                     {cr}{/VAlign/Center/HAlign/Far}
13067                     {tr}{/VAlign/Near/HAlign/Far}
13068                     {tc}{/VAlign/Near/HAlign/Center}
13069                 }{/HAlign/Center/VAlign/Center}
13070             >>
13071         >>
13072     }{
13073         /Style/Embedded
13074     }
13075     \bool_if:NTF\g_mix_iiid_bool{
13076         /Toolbar~\g_mix_tools_tl
13077         /NavigationPane~\g_mix_nav_tl
13078     }{
13079         /PassContextClick~\g_mix_contextclick_tl
13080     }
13081     >>
13082     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13083     >>
13084     /Deactivation~<</Condition\g_mix_deact_tl>>
13085 }
13086 \tl_set:Nx\l_mix_settings_tl{mix_pdflastobj:}

```



```

13087 \tl_if_empty:NF\g_mix_usrlabel_tl{
13088   \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13089 }
13090 % #1:width, #2:height, #3:depth, #4:content (key-value)
13091 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13092   /Subtype/RichMedia
13093   /F~4\cs_if_exist_use:N\ocgxii@insert@OC
13094   /BS~<</W~0/S/S>>
13095   /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13096   /NM~(\g_mix_label_tl)
13097   /AP~<</N~\g_mix_appearance_tl>>
13098   /RichMediaSettings~\l_mix_settings_tl
13099   /RichMediaContent~\l_mix_content_tl
13100 }
13101 \tl_if_empty:NF\g_mix_usrlabel_tl{
13102   \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13103   \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13104     \noexpand\the\g@mix@page@int}
13105 }
13106 \mix_pdfobj:nnn{}{dict}{
13107   /S/JavaScript/JS~(
13108     try{
13109       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13110       if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
13111         annotRM['\g_mix_label_tl']=
13112           this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
13113       }
13114       \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
13115         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
13116           var~ocgs=this.getOCGs(this.pageNum);
13117           for(var~i=0;i<ocgs.length;i++){
13118             if(ocgs[i].name=='MediaPlayButton\int_use:N\g_mix_rmcnt_int'){
13119               var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
13120             }
13121           }
13122         }
13123         if(
13124           !annotRM['\g_mix_label_tl'].activated&&(
13125             app.viewerType=='Reader' ||
13126             app.viewerType=='Exchange' ||
13127             app.viewerType=='Exchange-Pro'
13128           )&&app.viewerVersion>=9
13129         ){
13130           ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
13131         }
13132       }
13133     }catch(e){}
13134     this.dirty=false;
13135   )
13136 }

```



```

13137 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
13138 /Subtype/Widget
13139 /FT/Btn/Ff~65537/F~2
13140 /BS~<</W~0>>
13141 /T~(fd@~\g_mix_label_tl)
13142 /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
13143 }
13144 \mix_appendtofields:n{\mix_pdflastann:}
13145 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
13146 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
13147 \hbox_to_wd:nn{\g_mix_wd_tl}{
13148 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
13149 }
13150 }{%insert play button overlay
13151 \mix_insert_btnocg: %create OCG
13152 \cs_gset_eq:Nc~\mix_pbtn:NN{g~\mix@pbtn@~\g_mix_usrpbtn_tl @tl}
13153 %\hbox_set:Nn~\l_mix_pbtn_box{\mix_pbtn:NN~\g_mix_wd_tl~\g_mix_tt_tl}
13154 \sbox~\l_mix_pbtn_box{\mix_pbtn:NN~\g_mix_wd_tl~\g_mix_tt_tl}
13155 \box_move_down:nn{\g_mix_dp_tl}{
13156 \hbox_to_wd:nn{\g_mix_wd_tl}{
13157 \vbox_to_ht:nn{\g_mix_tt_tl}{
13158 \vss
13159 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
13160 \box_use:N~\l_mix_pbtn_box
13161 \ocgbase_oc_emc:
13162 }
13163 }
13164 }
13165 }
13166 \int_gincr:N~\g_mix_rmcnt_int
13167 }
13168 \endL
13169 \group_end:
13170 }
13171 \tl_set_eq:NN~\l_mix_includemedia_tl~\includemedia
13172 \tl_set:Nn~\includemedia{\mix_uribegin:~\l_mix_includemedia_tl}
13173
13174
13175
13176 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
13177 \mix_urriend:
13178 \group_begin:
13179 \beginL
13180 \leavevmode
13181 %reset various variables
13182 \tl_gclear:N~\g_mix_overbtn_tl
13183 \tl_gclear:N~\g_mix_downbtn_tl
13184 \tl_gclear:N~\g_mix_btnactions_tl
13185 \tl_gclear:N~\g_mix_tooltip_tl
13186 %process options

```




```

13187 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
13188 \mix_uribegin: %treat URI characters correctly
13189 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
13190 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
13191 \mix_uriend:
13192 %normal button appearance
13193 \%hbox_set:Nn\l_mix_poster_box{#2}
13194 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13195 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
13196 \tl_set:Nx\height {\dim_use:N\box_ht:N\l_mix_poster_box}
13197 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
13198 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
13199   \mix_pdfxform:n{\l_mix_poster_box}
13200   \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
13201   \bool_if:nT{ %dummy Widget for ocgx2, AR seems to need it
13202 %     \cs_if_exist:N\ocgxii@insert@OC && !\tl_if_blank_p:V\ocgxii@insert@OC
13203     !\cs_if_exist:NTF\ocgxii@insert@OC{
13204       \tl_if_blank_p:V\ocgxii@insert@OC
13205     }{
13206       \c_true_bool
13207     }
13208   }{\mix_pdfannot:nnnn{\width}{\height}{\depth}{/Subtype/Widget/F~2}}
13209   %insert widget annotation
13210   \mix_pdfannot:nnnn{\width}{\height}{\depth}{
13211     /Subtype/Widget
13212     /T~(mbtn@int_use:N\g_mix_mbtncnt_int)
13213     \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
13214     /FT/Btn/Ff~65536\cs_if_exist_use:N\ocgxii@insert@OC
13215     \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
13216     /AP~<<
13217     /N~\g_mix_normalbtn_tl
13218     \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
13219     \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
13220     >>
13221     /MK~<<
13222     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
13223     /I~\g_mix_normalbtn_tl
13224     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
13225     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
13226     >>
13227     /A~<<
13228     /S/JavaScript/JS~(app.focusRect=false;)
13229     %sequence of actions to perform
13230     \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
13231     >>
13232   }
13233   \mix_appendtofields:n{\mix_pdflastann:}
13234   \hbox_to_wd:nn{\width}{
13235     \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
13236   }

```



```

13237 \int_gincr:N\g_mix_mbtncnt_int
13238 }
13239 \endL
13240 \group_end:
13241 }
13242 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
13243 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
13244
13245
13246

```

7.79 memoir-xetex-bidi.def

```

13247 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX
13248 \renewcommand{\keepthetitle}{%
13249 \@bsmtitleempty
13250 \global\let\thanks\relax
13251 \global\let\LTRthanks\relax
13252 \global\let\RTLthanks\relax
13253 \global\let\and\relax
13254 \global\let\andnext\relax
13255 \global\let\@thanks\@empty
13256 \global\let\@title\@empty
13257 \global\let\@author\@empty
13258 \global\let\@date\@empty}
13259 \renewcommand{\maketitle}{\par
13260 \begingroup
13261 \@bsmarkseries
13262 \def\@makefnmark{\@textsuperscript{%
13263 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
13264 \long\def\@makefntext##1{\makethanksmark ##1}
13265 \if@twocolumn
13266 \ifnum \col@number=\@ne
13267 \@maketitle
13268 \else
13269 \twocolumn[\@maketitle]%
13270 \fi
13271 \else
13272 \ifdim\pagetotal>\z@
13273 \newpage
13274 \fi
13275 \global\@topnum\z@
13276 \@maketitle
13277 \fi
13278 \thispagestyle{title}\@thanks
13279 \endgroup
13280 \@bscontmark % \setcounter{footnote}{0}%
13281 }
13282 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
13283 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}

```



```

13284 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
13285 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
13286 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
13287 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
13288 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
13289 \renewcommand*{\thesubsection}{%
13290     \thesection\@SepMark\@arabic\c@subsection}
13291 \renewcommand*{\thesubsubsection}{%
13292     \thesubsection\@SepMark\@arabic\c@subsubsection}
13293 \renewcommand*{\theparagraph}{%
13294     \thesubsubsection\@SepMark\@arabic\c@paragraph}
13295 \renewcommand*{\thesubparagraph}{%
13296     \theparagraph\@SepMark\@arabic\c@subparagraph}
13297 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
13298 \renewcommand{\theequation}{%
13299     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13300 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
13301 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
13302 \ifartopt
13303     \chapterstyle{article}
13304     \counterwithout{figure}{chapter}
13305     \counterwithout{table}{chapter}
13306     \counterwithout{footnote}{chapter}
13307     \counterwithout{equation}{chapter}
13308     \renewcommand{\chaptername}{\}
13309     \renewcommand{\maketitlehookb}{%
13310         \vskip -1.5\topsep\vskip -1.5\partopsep}
13311     \renewcommand{\maketitlehookc}{%
13312         \vskip -1.5\topsep\vskip -1.5\partopsep}
13313 \fi
13314 \long\def\@makecaption#1#2{\let\@memtempa\relax
13315     \ifdim\prevdepth>-99\p@ \vskip\abovcaptionskip
13316     \else \def\@memtempa{\vbox to\topskip{}}\fi
13317     \let\@contfnote\footnote \renewcommand{\footnote}[2][\]{}
13318     \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][\]{}
13319     \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
13320     \let\footnote\@contfnote
13321     \let\footnotemark\@contfmark
13322     \ifdim\wd\@tempboxa<\linewidth \centering \fi
13323     \if@contcw
13324         \centering
13325         \parbox{\@contcwidth}{%
13326             \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
13327         \fi
13328     \ifdim\wd\@tempboxa<\linewidth
13329         \@contpre
13330         {\@contnfont #1\@contdelim}\@memtempa
13331         {\@contcshortstyle \@conttfont #2\@contfinal\par}
13332     \else
13333         \if@conthang

```



```

13334 \sbox\@tempboxa{\@contnfont #1\@contdelim}
13335 \@contpre%
13336 {\@contcstyle\hangindent=\wd\@tempboxa
13337 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
13338 \else
13339 \if@contindent
13340 \@contpre%
13341 {\@contnfont #1\@contdelim}\@memtempa
13342 {\@contcstyle\hangindent=\@contindw
13343 \hangafter=\@one\@conttfont #2\@contfinal\par}}% <- v1.4
13344 \else
13345 \@contpre%
13346 {\@contnfont #1\@contdelim}\@memtempa
13347 {\@contcstyle \@conttfont #2\@contfinal\par}
13348 \fi
13349 \fi
13350 \fi
13351 \@contpost
13352 \if@contcw
13353 \par
13354 } % end of the \parbox
13355 \fi
13356 \vskip\belowcaptionskip}
13357 \@ifpackageloaded{caption}{%
13358 \AtBeginPackage{caption}{
13359 \ClassWarningNoLine{memoir}{%
13360 You are using the caption package with the memoir \MessageBreak
13361 class. This may cause unexpected or inconsistent \MessageBreak
13362 results if you use any of memoir's captioning facilities}
13363 }
13364 \long\def\@makecaption##1##2{%
13365 \vskip\abovecaptionskip
13366 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
13367 \ifdim \wd\@tempboxa >\hsize
13368 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
13369 \else
13370 \global \@minipagefalse
13371 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13372 \fi
13373 \vskip\belowcaptionskip}
13374
13375 \def\caption{%
13376 \ifx\@captive\@undefined
13377 \latexerror{\noexpand\caption outside float}\@ehd
13378 \expandafter\@gobble
13379 \else
13380 \refstepcounter\@captive
13381 \expandafter\@firstofone
13382 \fi
13383 {\@dblarg{\@caption\@captive}}%

```



```

13384 }
13385
13386 \long\def\@caption##1[##2]##3{%
13387   \par
13388   \addcontentsline{\csname ext@##1\endcsname}{##1}%
13389   {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
13390   \begingroup
13391     \@parboxrestore
13392     \if@minipage
13393       \setminipage
13394     \fi
13395     \normalsize
13396     \makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
13397   \endgroup}
13398 }{}
13399 \renewenvironment{thebibliography}[1]{%
13400   \bibsection
13401   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13402   \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

7.8o midfloat-xetex-bidi.def

```

13403 \ProvidesFile{midfloat-xetex-bidi.def}[2016/05/10 v0.3 bidi adaptations for midfloat package for
13404 \def\RTL@outputdblcol{%
13405   \if@firstcolumn
13406     \global \@firstcolumnfalse
13407     \global\setbox\@leftcolumn\copy\@outputbox
13408     \splitmaxdepth\maxdimen
13409     \vbadness\maxdimen
13410     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13411     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13412     \toks@{\expandafter{\topmark}}%
13413     \xdef\@firstcoltopmark{\the\toks@}%
13414     \toks@{\expandafter{\splitfirstmark}}%
13415     \xdef\@firstcolfirstmark{\the\toks@}%
13416     \ifx\@firstcolfirstmark\@empty
13417       \global\let\@setmarks\relax
13418     \else
13419       \gdef\@setmarks{%
13420         \let\firstmark\@firstcolfirstmark
13421         \let\topmark\@firstcoltopmark}%
13422     \fi
13423     \global\c@colht\@colht\global\c@advvipersep\z@
13424     \ifnum\jua@sk>0
13425       \remove@strip\jua@sar
13426       \global\@colht\the\jua@pr
13427       \ifdim\right@cor>\z@
13428         \global\advance\@colht by\right@cor
13429       \fi
13430       \global\advance\@colht by\cor@height

```



```

13431     \global\cor@height=0pt
13432     \fi
13433     \global \setbox\@rightcolumn \vbox{}%
13434 \else
13435     \ifdim\c@colht>\@colht
13436         \@tempdima\@colht
13437         \ifdim\@colht>\z@
13438             \global\setbox\@rightcolumn \vbox{%
13439                 \unvbox\@rightcolumn
13440                 \vbox to\@tempdima{%
13441                     \vskip\c@addvipersep\unvbox\@outputbox}%
13442                 \vskip\stripsep
13443                 \vrule height\the\juo@ht width 0pt depth 0pt
13444                 \vskip\stripsep
13445                 }%
13446             \global\c@addvipersep\m@addvipersep
13447         \else
13448             \global\setbox\@rightcolumn \vbox{%
13449                 \unvbox\@rightcolumn
13450                 \vrule height\the\juo@ht width 0pt depth 0pt
13451                 \vskip\stripsep
13452                 }%
13453         \fi
13454         \ifnum\juo@sk>0
13455             \remove@strip\juo@sar
13456             \global\@colht\the\juo@pr
13457             \global\advance\@colht by -\ht\@rightcolumn
13458             \global\advance\@colht by \cor@height
13459             \global\cor@height=0pt
13460         \else
13461             \global\advance\c@colht by-\ht\@rightcolumn
13462             \global\@colht\c@colht
13463         \fi
13464 \else
13465     \global\@firstcolumntrue
13466     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13467         \unvbox\@rightcolumn
13468         \vskip\c@addvipersep
13469         \unvbox\@outputbox
13470         }%
13471     \setbox\@outputbox \vbox {%
13472         \hb@xt@\textwidth {%
13473             \hskip \columnwidth
13474             \hfil
13475             \vrule \@width\columnseprule
13476             \hfil
13477             \hb@xt@\columnwidth {%
13478                 \box\@leftcolumn \hss}%
13479             \hskip-\textwidth
13480             \hb@xt@\columnwidth {%

```



```

13481 \box\@outputbox \hss}%
13482 \hskip\columnwidth
13483 \hskip\columnsep}%
13484 }%
13485 \@combinedblfloats
13486 \@setmarks
13487 \@outputpage
13488 \begingroup
13489 \@dblfloatplacement
13490 \@startdblcolumn
13491 \@whiles\if@fcolmade \fi
13492 {\@outputpage
13493 \@startdblcolumn}%
13494 \endgroup
13495 \global\jua@sk=0\global\jua@sar={}%
13496 \global\cor@height\z@\global\c@addvipersep\z@
13497 \fi
13498 \fi
13499 }
13500
13501
13502 \def\LTR@outputdblcol{%
13503 \if@firstcolumn
13504 \global \@firstcolumnfalse
13505 \global\setbox\@leftcolumn\copy\@outputbox
13506 \splitmaxdepth\maxdimen
13507 \vbadness\maxdimen
13508 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13509 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13510 \toks@\expandafter{\topmark}%
13511 \xdef\@firstcoltopmark{\the\toks@}%
13512 \toks@\expandafter{\splitfirstmark}%
13513 \xdef\@firstcolfirstmark{\the\toks@}%
13514 \ifx\@firstcolfirstmark\@empty
13515 \global\let\@setmarks\relax
13516 \else
13517 \gdef\@setmarks{%
13518 \let\firstmark\@firstcolfirstmark
13519 \let\topmark\@firstcoltopmark}%
13520 \fi
13521 \global\c@colht\@colht\global\c@addvipersep\z@
13522 \ifnum\jua@sk>0
13523 \remove@strip\jua@sar
13524 \global\@colht\the\jua@pr
13525 \ifdim\right@cor>\z@
13526 \global\advance\@colht by\right@cor
13527 \fi
13528 \global\advance\@colht by\cor@height
13529 \global\cor@height=0pt
13530 \fi

```



```

13531 \global \setbox\@rightcolumn \vbox{%
13532 \else
13533 \ifdim\c@colht>\@colht
13534 \@tempdima\@colht
13535 \ifdim\@colht>\z@
13536 \global\setbox\@rightcolumn \vbox{%
13537 \unvbox\@rightcolumn
13538 \vbox to\@tempdima{%
13539 \vskip\c@addvipersep\unvbox\@outputbox}%
13540 \vskip\stripsep
13541 \vrule height\the\jua@ht width Opt depth Opt
13542 \vskip\stripsep
13543 }%
13544 \global\c@addvipersep\m@addvipersep
13545 \else
13546 \global\setbox\@rightcolumn \vbox{%
13547 \unvbox\@rightcolumn
13548 \vrule height\the\jua@ht width Opt depth Opt
13549 \vskip\stripsep
13550 }%
13551 \fi
13552 \ifnum\jua@sk>0
13553 \remove@strip\jua@sar
13554 \global\@colht\the\jua@pr
13555 \global\advance\@colht by -\ht\@rightcolumn
13556 \global\advance\@colht by\cor@height
13557 \global\cor@height=0pt
13558 \else
13559 \global\advance\c@colht by-\ht\@rightcolumn
13560 \global\@colht\c@colht
13561 \fi
13562 \else
13563 \global\@firstcolumntrue
13564 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13565 \unvbox\@rightcolumn
13566 \vskip\c@addvipersep
13567 \unvbox\@outputbox
13568 }%
13569 \setbox\@outputbox \vbox {%
13570 \hb@xt@\textwidth {%
13571 \hb@xt@\columnwidth {%
13572 \box\@leftcolumn \hss}%
13573 \hfil
13574 \vrule \@width\columnseprule
13575 \hfil
13576 \hb@xt@\columnwidth {%
13577 \box\@outputbox \hss}%
13578 }%
13579 }%
13580 \@combinedblfloats

```




```

13581 \setmarks
13582 \outputpage
13583 \beginingroup
13584 \dblfloatplacement
13585 \startdblcolumn
13586 \whilesw\if@fcolmade \fi
13587 {\outputpage
13588 \startdblcolumn}%
13589 \endgroup
13590 \global\jua@sk=0\global\jua@sar={}%
13591 \global\cor@height\z@\global\c@addvipersep\z@
13592 \fi
13593 \fi
13594 }
13595
13596
13597 \def\strip[#1/#2]{\global\tempdima=#1\global\tempdimb=#2%
13598 \global\setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\vb
13599 \hsize\textwidth
13600 \@parboxrestore
13601 \col@number \@ne
13602 \vrule height\topskip width0pt depth0pt
13603 }
13604
13605 \def\endstrip{%
13606 \egroup\egroup
13607 \if@firstcolumn
13608 \ifdim\pagetotal>\z@
13609 \vskip\stripsep
13610 \global\ht@strip\pagegoal
13611 \global\advance\ht@strip by-\pagetotal
13612 \global\advance\ht@strip by-\stripsep
13613 \global\advance\ht@strip by-\ht\@viper
13614 \global\advance\ht@strip by-\stripsep
13615 \global\jua@ht=\ht\@viper
13616 \else
13617 \global\ht@strip\z@
13618 \fi
13619 \ifdim\ht@strip>\z@
13620 \unvbox\@viper
13621 \vskip\stripsep
13622 \add@strip{\the\pagetotal}{\the\jua@ht}{\the\tempdima}{\the\tempdimb}%
13623 \global\advance\jua@sk by1
13624 \else
13625 \@latex@error{Strip needs more place!}\@ehc
13626 \if@vihproof
13627 \framebox[\columnwidth]{??? Strip ???}%
13628 \fi
13629 \fi
13630 \else

```



```

13631         \@latex@error{Strip is used only on left column!}\@ehc
13632         \if@vihproof
13633             \framebox[\columnwidth]{??? Strip ???}%
13634         \fi
13635     \fi
13636 }

```

7.81 minitoc-xetex-bidi.def

```

13637 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for Xe
13638 \def\@undottedtocline#1#2#3#4#5{%
13639     \ifnum #1>\c@tocdepth\relax \else
13640         \vskip \z@ plus.2\p@
13641     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \@
13642         \parindent #2\relax\@afterindenttrue
13643         \interlinepenalty\@M
13644         \leavevmode
13645         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}}%
13646         \hskip -\if@RTL\rightskip\else\leftskip\fi
13647         #4\nobreak\hfill \nobreak
13648         \null\par}%
13649     \fi}
13650 \def\@Undottedtocline#1#2#3#4#5{%
13651     \ifnum #1>\c@tocdepth\relax \else
13652         \vskip \z@ \@plus.2\p@
13653     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \@
13654         \parindent #2\relax\@afterindenttrue
13655         \interlinepenalty\@M
13656         \leavevmode
13657         \@tempdima #3\relax
13658         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
13659         {\coffefont #4}\nobreak \nobreak\null
13660         \par}%
13661     \fi}
13662 \def\@Undottedtoclinep#1#2#3#4#5{%
13663     \ifnum #1>\c@tocdepth\relax \else
13664         \vskip \z@ \@plus.2\p@
13665     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \@
13666         \parindent #2\relax\@afterindenttrue
13667         \interlinepenalty\@M
13668         \leavevmode
13669         \@tempdima #3\relax
13670         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
13671         {#4}\nobreak \hfill \nobreak\null
13672         \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
13673         \par}%
13674     \fi}

```

7.82 multicol-xetex-bidi.def

```

13675 \ProvidesFile{multicol-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for multicol package for

```



```

13676 \def\page@sofar{%
13677   \process@cols\mult@rightbox
13678   {\ifvoid\count@
13679     \setbox\count@\hbox to\hsize{}}%
13680   \else
13681     \wd\count@\hsize
13682   \fi}%
13683 \count@\col@number \advance\count@\m@ne
13684 \mult@info\z@
13685 {Column spec: \the\full@width\space = indent
13686               + columns + sep =\MessageBreak
13687   \the\multicol@leftmargin\space
13688   + \the\col@number\space
13689   x \the\hsize\space
13690   + \the\count@\space
13691   x \the\columnsep
13692   }%
13693 \ifvmode\else\errmessage{Multicol Error}\fi
13694 \nointerlineskip
13695 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
13696 \moveright\multicol@leftmargin
13697 \hbox to\full@width{%
13698   \bidi@multicol@align@columns
13699   \rlap{\phantom p}}%
13700 }%
13701 \prevdepth\z@
13702 \kern-\dimen\tw@
13703 \ifdim\dimen\tw@ > \mc@gridwarn
13704   \PackageWarning{multicol}%
13705   {Very deep columns!\MessageBreak
13706     Grid alignment might be broken}%
13707 \fi
13708 }
13709 \def\LTR@column@boxes{%
13710   \process@cols\mult@gfirstbox{%
13711     \ifdim\dp\count@>\dimen\tw@
13712       \global\dimen\tw@\dp\count@ \fi
13713     \mc@col@status@write
13714     \box\count@
13715     \hss{\columnseprulecolor\vrule
13716         \@width\columnseprule}\hss}%
13717   \ifdim\dp\mult@rightbox>\dimen\tw@
13718     \global\dimen\tw@\dp\mult@rightbox \fi
13719   \mc@lastcol@status@write
13720   \box\mult@rightbox
13721 }
13722
13723 \def\RTL@column@boxes{%
13724   \process@cols\mult@gfirstbox{%
13725     \hspace\hsize

```



```

13726     \hss{\columnseprulecolor\vrule
13727         \@width\columnseprule}\hss
13728     }%
13729     \hskip\hsize
13730     \process@cols\mult@gfirstbox{%
13731         \ifdim\dp\count@>\dimen\tw@
13732         \global\dimen\tw@\dp\count@ \fi
13733         \hskip-\hsize
13734         \mc@col@status@write
13735         \box\count@
13736         \hskip-\hsize
13737         \hskip-\columnsep
13738     }%
13739     \ifdim\dp\mult@rightbox>\dimen\tw@
13740     \global\dimen\tw@\dp\mult@rightbox \fi
13741     \hskip-\hsize
13742     \mc@lastcol@status@write
13743     \box\mult@rightbox
13744     \hskip-\hsize
13745     \hskip\full@width
13746 }
13747 \newcommand\RTLmulticolcolumns
13748 {\let\bidimulticol@align@columns
13749   \RTL@column@boxes}
13750 \newcommand\LTRmulticolcolumns
13751 {\let\bidimulticol@align@columns
13752   \LTR@column@boxes}
13753 \newcommand\bidimulticol@align@columns
13754 {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
13755 \def\multicols#1{\col@number#1\relax
13756   \ifnum\col@number<\tw@
13757     \PackageWarning{multicol}%
13758     {Using '\number\col@number'
13759      columns doesn't seem a good idea.^J
13760      I therefore use two columns instead}%
13761     \col@number\tw@ \fi
13762   \ifnum\col@number>10
13763     \PackageError{multicol}%
13764     {Too many columns}%
13765     {Current implementation doesn't
13766      support more than 10 columns.%
13767     \MessageBreak
13768     I therefore use 10 columns instead}%
13769   \col@number10 \fi
13770   \ifx\@footnotetext\mult@footnotetext\else
13771     \let\orig@footnotetext\@footnotetext
13772     \let\@footnotetext\mult@footnotetext
13773   \fi
13774   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
13775     \let\orig@LTRfootnotetext\@LTRfootnotetext

```



```

13776      \let\@LTRfootnotetext\mult@LTRfootnotetext
13777      \fi
13778      \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
13779      \let\orig@RTLfootnotetext\@RTLfootnotetext
13780      \let\@RTLfootnotetext\mult@RTLfootnotetext
13781      \fi
13782      \@ifnextchar[\mult@cols{\mult@cols[]}]{}
13783 \long\def\mult@footnotetext#1{\begingroup
13784      \hsize\textwidth
13785      \columnwidth\textwidth
13786      \orig@footnotetext{#1}\endgroup}
13787 \long\def\mult@LTRfootnotetext#1{\begingroup
13788      \hsize\textwidth
13789      \columnwidth\textwidth
13790      \orig@LTRfootnotetext{#1}\endgroup}
13791 \long\def\mult@RTLfootnotetext#1{\begingroup
13792      \hsize\textwidth
13793      \columnwidth\textwidth
13794      \orig@RTLfootnotetext{#1}\endgroup}
13795 \def\right@footnoterule{%
13796   \kern-3\p@
13797   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
13798   \kern2.6\p@}
13799 \def\textwidth@footnoterule{\kern-3\p@
13800   \hrule \@width \textwidth \kern 2.6\p@}

```

7.83 multienum-xetex-bidi.def

```

13801 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package f
13802 \renewcommand{\itemx}[1]{\parbox[t]{%
13803 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13804 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
13805 \renewcommand{\itemxx}[2]{\parbox[t]{%
13806 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13807 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
13808 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13809 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
13810 \renewcommand{\itemxxx}[3]{\parbox[t]{%
13811 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13812 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
13813 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13814 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
13815 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13816 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip}
13817 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
13818 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13819 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
13820 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13821 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13822 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep}

```



```

13823 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
13824 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13825 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
13826 \renewcommand{\itemxxxx}[5]{\parbox[t]{%
13827 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13828 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
13829 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13830 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
13831 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13832 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
13833 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13834 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
13835 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13836 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
13837 \renewcommand{\itemxox}[2]{\parbox[t]{%
13838 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13839 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13840 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13841 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
13842 \renewcommand{\itemxox}[2]{\parbox[t]{%
13843 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13844 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
13845 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13846 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
13847 \renewcommand{\itemxox}[3]{\parbox[t]{%
13848 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13849 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13850 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13851 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13852 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13853 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13854 \renewcommand{\itemxox}[3]{\parbox[t]{%
13855 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13856 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13857 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13858 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
13859 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13860 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13861 \renewcommand{\itemxox}[3]{\parbox[t]{%
13862 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13863 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13864 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13865 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13866 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13867 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

7.84 natbib-xetex-bidi.def

```

13868 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
13869 \renewenvironment{thebibliography}[1]{%

```



```

13870 \bibsection
13871 \parindent\z@
13872 \bibpreamble
13873 \bibfont
13874 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13875 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
13876 \ifNAT@openbib
13877 \renewcommand\newblock{\par}%
13878 \else
13879 \renewcommand\newblock{\hspace .11em \@plus.33em \@minus.07em}%
13880 \fi
13881 \sloppy\clubpenalty4000\widowpenalty4000
13882 \sfcode`\.\@m
13883 \let\NAT@bibitem@first@sw\@firstoftwo
13884 \let\citeN\cite \let\shortcite\cite
13885 \let\citeasnoun\cite
13886 }{%
13887 \bibitem@fin
13888 \bibpostamble
13889 \def\@noitemerr{%
13890 \PackageWarning{natbib}{Empty `thebibliography' environment}}%
13891 }%
13892 \endlist
13893 \bibcleanup
13894 }%

```

7.85 newfloat-xetex-bidi.def

```

13895 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
13896 \renewcommand*{newfloat@setwithin}[2]{%
13897 \ifcsname c@chapter\endcsname
13898 \@removefromreset{#1}{chapter}%
13899 \fi
13900 \@removefromreset{#1}{section}%
13901 \edef\@tempa{#2}%
13902 \ifx\@tempa\@empty
13903 \def\@tempa{none}%
13904 \fi
13905 \def\@tempb{none}%
13906 \ifx\@tempa\@tempb
13907 \ifcsname c@chapter\endcsname
13908 \@chapterlistsgap@off{#1}%
13909 \fi
13910 \newfloat@@setwithin{#1}{-}{-}%
13911 \else
13912 \def\@tempb{chapter}%
13913 \ifx\@tempa\@tempb
13914 \@addtoreset{#1}{chapter}%
13915 \@chapterlistsgap@on{#1}%
13916 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMa

```



```

13917 \else
13918 \def\@tempb{section}%
13919 \ifx\@tempa\@tempb
13920 \@addtoreset{#1}{section}%
13921 \ifcsname c@chapter\endcsname
13922 \@addtoreset{#1}{chapter}%
13923 \@chapterlistsgap@on{#1}%
13924 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
13925 \else
13926 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
13927 \fi
13928 \else
13929 \newfloat@Error{Invalid value `#2' for option `within'}%
13930 \fi
13931 \fi
13932 \fi}

```

7.86 ntheorem-xetex-bidi.def

```

13933 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for xetex]
13934 \gdef\@thm#1#2#3{%
13935 \if@thmmarks
13936 \stepcounter{end\InTheoType ctr}%
13937 \fi
13938 \renewcommand{\InTheoType}{#1}%
13939 \if@thmmarks
13940 \stepcounter{curr#1ctr}%
13941 \setcounter{end#1ctr}{0}%
13942 \fi
13943 \refstepcounter{#2}%
13944 \theorem@prework
13945 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
13946 \ifvmode \advance\thm@topsepadd\partopsep\fi
13947 \trivlist
13948 \@topsep \theorem@preskipamount
13949 \@topsepadd \thm@topsepadd % used by \@endparenv
13950 \advance\linewidth -\theorem@indent
13951 \advance\@totalleftmargin \theorem@indent
13952 \ifRTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
13953 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.87 ntheorem-hyper-xetex-bidi.def

```

13954 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper-xetex]
13955 \gdef\@thm#1#2#3{%
13956 \if@thmmarks
13957 \stepcounter{end\InTheoType ctr}%
13958 \fi
13959 \renewcommand{\InTheoType}{#1}%
13960 \if@thmmarks
13961 \stepcounter{curr#1ctr}%

```




```

13962     \setcounter{end#1ctr}{0}%
13963   \fi
13964   \refstepcounter{#2}%
13965   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
13966   \ifvmode \advance\thm@topsepadd\partopsep\fi
13967   \trivlist
13968   \@topsep \theorempreskipamount
13969   \@topsepadd \thm@topsepadd % used by \@endparenv
13970   \advance\linewidth -\theorem@indent
13971   \advance\@totalleftmargin \theorem@indent
13972   \ifRTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
13973   \ifnextchar[{\@yhtm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.88 overpic-xetex-bidi.def

```

13974 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for X
13975 \renewenvironment{overpic}[2][{}]{%
13976   \sbox{\z@}{\includegraphics[#1]{#2}}%
13977   \settodepth{\@tempcnta}{\usebox{\z@}}%
13978   \settoheight{\@tempcntb}{\usebox{\z@}}%
13979   \advance\@tempcntb\@tempcnta%
13980   \settowidth{\@tempcnta}{\usebox{\z@}}%
13981   \setlength{\@tempdima}{\unitlength}%
13982   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
13983 %
13984 \OVP@calc%
13985 %
13986 \begin{picture}(\@tempcnta,\@tempcntb)%
13987   \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
13988   \ifGin@grid%
13989     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
13990       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
13991   \fi\fi%
13992   % reset the graphics parameter
13993   \let\Gin@outer@scalex\relax
13994   \let\Gin@outer@scaley\relax
13995   \let\Gin@angle\relax
13996   \let\Gin@ewidth\Gin@exclamation
13997   \let\Gin@eheight\Gin@ewidth
13998   \def\Gin@scalex{1}
13999   \let\Gin@scaley\Gin@exclamation
14000 }{%
14001   \ifRTL\ifGin@grid%
14002     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14003       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14004   \fi%
14005   \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
14006 \end{picture}%
14007 }%

```



7.89 pdfpages-xetex-bidi.def

```

14008 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for
14009 \renewcommand*{\includepdf}[2] [] {%
14010   \begingroup
14011   \@RTLfalse
14012   \let\AM@threadname\relax
14013   \AM@split@options{pdfpages}{#1}%
14014   \edef\AM@temp{\pdfpages}{\the\@temptokena}}%
14015   \expandafter\setkeys\AM@temp
14016   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
14017     \let\AM@currentdocname\relax
14018     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
14019     \def\AM@pagecount{0}%
14020   }{%
14021     \AM@findfile{#2}%
14022     \if\AM@threadname\relax
14023       \def\AM@threadname{\AM@currentdocname}%
14024     \fi
14025   }%
14026   \ifAM@survey
14027     \def\AM@pagestemp{}%
14028     \@tempcnta=0
14029     \def\foo{%
14030       \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
14031       {\let\foo\relax}
14032       {\expandafter\ifx\expandafter\\AM@pagestemp\\
14033         \edef\AM@pagestemp{%
14034           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14035         \else
14036           \edef\AM@pagestemp{\AM@pagestemp,%
14037             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14038         \fi
14039         \advance\@tempcnta 1\relax
14040       }%
14041     \foo
14042   }%
14043   \foo
14044   \expandafter\ifx\expandafter\\AM@pagestemp\\
14045     \def\AM@pagestemp{1}%
14046   \fi
14047 \fi
14048 \ifAM@output
14049   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
14050   \AM@output{#1}%
14051 \fi
14052 \AM@CheckAtEnd
14053 \endgroup
14054 \AM@ClearShipoutPicture
14055 }

```



7.90 pgfcorescopes.code-xetex-bidi.def

```

14056 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf packag
14057 \def\pgfpicture{%
14058   \begingroup%
14059   \ifmmode\else\@RTLfalse\beginL\fi%
14060   \pgfpicturetrue%
14061   \global\advance\pgf@picture@serial@count by1\relax%
14062   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
14063   \let\pgf@nodecallback=\pgfutil@gobble%
14064   \pgf@picmaxx=-16000pt\relax%
14065   \pgf@picminx=16000pt\relax%
14066   \pgf@picmaxy=-16000pt\relax%
14067   \pgf@picminy=16000pt\relax%
14068   \pgf@relevantforpicturesizetrue%
14069   \pgf@resetpathsizes%
14070   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
14071 \def\endpgfpicture{%
14072   \ifpgfrememberpicturepositiononpage%
14073     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
14074   \fi%
14075   % ok, now let's position the box
14076   \ifdim\pgf@picmaxx=-16000pt\relax%
14077     % empty picture. make size 0.
14078     \global\pgf@picmaxx=0pt\relax%
14079     \global\pgf@picminx=0pt\relax%
14080     \global\pgf@picmaxy=0pt\relax%
14081     \global\pgf@picminy=0pt\relax%
14082   \fi%
14083   % Shift baseline outside:
14084   \pgf@relevantforpicturesizefalse%
14085   \pgf@process{\pgf@baseline}%
14086   \xdef\pgf@shift@baseline{\the\pgf@y}%
14087   %
14088   \pgf@process{\pgf@trimleft}%
14089   \global\advance\pgf@x by-\pgf@picminx
14090   % prepare \hskip\pgf@trimleft@final.
14091   % note that \pgf@trimleft@final is also queried
14092   % by the pgf image externalization.
14093   \xdef\pgf@trimleft@final{-\the\pgf@x}%
14094   %
14095   \pgf@process{\pgf@trimright}%
14096   \global\advance\pgf@x by-\pgf@picmaxx
14097   % prepare \hskip\pgf@trimright@final.
14098   % note that \pgf@trimright@final is also queried
14099   % by the pgf image externalization.
14100   \xdef\pgf@trimright@final{\the\pgf@x}%
14101   %
14102   \pgf@remember@layerlist@globally
14103   \endgroup%

```



```

14104         \hss%
14105         \egroup%
14106         \pgf@restore@layerlist@from@global
14107         \pgf@insertlayers%
14108         \endgroup%
14109         \pgfsys@discardpath%
14110         \endgroup%
14111         \pgfsys@endscope%
14112         \pgfsys@endpicture%
14113         \endgroup%
14114         \hss
14115     \egroup%
14116     \pgfsys@typesetpicturebox\pgfpic%
14117     \ifmmode\else\endL\fi%
14118 \endgroup%
14119 }

```

7.91 picinpar-xetex-bidi.def

```

14120 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
14121 \long\def\@makewincaption#1#2{%
14122     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
14123     \ifdim\wd\@tempboxa>\picwd
14124         {\footnotesize{\bf #1:\enspace}{#2\par}}
14125     \else
14126         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
14127     \fi}
14128 \def\endwindow{%
14129     \global\tcd=\tcdsav
14130     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
14131     \vbadness=10000
14132     \splittopskip=0pt
14133 %
14134 % Typeset the lines above the window
14135 %
14136 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
14137 \tcn=\tcd
14138 \loop\advance\tcn -1
14139 \setbox\fslice=\vsplit\holder to\baselineskip
14140 \prune\fslice\linewidth
14141 \topheight=0pt
14142 \ifnum\dp\fslice>\dp\wstrutbox
14143     \advance\topheight-\dp\fslice
14144     \advance\topheight\dp\wstrutbox
14145     \advance\topheight\ilg\fi
14146 \hbox to\linewidth{\box\fslice}
14147 \vskip-\topheight
14148 \ifdim\ht\holder>0pt\repeat
14149 \fi
14150 %

```



```

14151 % Now we build the boxes beside the window
14152 %
14153 \global\topheight=\tcl\baselineskip
14154 \ifnum\cumpartcl>0\global\tcl=\cumtcl
14155     \global\topheight=\vpic
14156 \fi
14157 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
14158 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
14159 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
14160 \tcn=\tcl \na=0 \nb=0
14161 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
14162 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
14163 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
14164 \ifnum\na=0\ifnum\nb=0
14165     \setbox\waslice=\vbox to\vpic{\vss}
14166     \setbox\wbslice=\vbox to\vpic{\vss}
14167     \bl=1\br=1
14168     \vskip\ilg
14169 \fi\fi
14170 %
14171 % both sides
14172 %
14173 \ifnum\na>0 \ifnum\nb>0
14174 \loop\advance\nb -1
14175 \advance\na -1
14176 \if@RTL%
14177 \setbox\bslice=\vsplit\holder to\baselineskip
14178 \prune\bslice\rtside
14179 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14180 to\rtside{\box\bslice\hfil}}
14181 \setbox\aslice=\vsplit\holder to\baselineskip
14182 \prune\aslice\lftside
14183 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14184 to\lftside{\box\aslice\hfil}}
14185 \else%
14186 \setbox\aslice=\vsplit\holder to\baselineskip
14187 \prune\aslice\lftside
14188 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14189 to\lftside{\box\aslice\hfil}}
14190 \setbox\bslice=\vsplit\holder to\baselineskip
14191 \prune\bslice\rtside
14192 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14193 to\rtside{\box\bslice\hfil}}
14194 \fi%
14195 \ifnum\nb>0\repeat
14196 \fi\fi
14197 %
14198 % only text on the left side
14199 %
14200 \ifnum\na>0

```



```

14201 \loop\advance\na -1
14202 \setbox\aslice=\vsplit\holder to\baselineskip
14203 \prune\aslice\lftside
14204 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14205 to\lftside{\box\aslice\hfil}}
14206 \ifdim\ht\holder>0pt\repeat
14207 \fi
14208 %
14209 % only text on the right side
14210 %
14211 \ifnum\nb>0
14212 \loop\advance\nb -1
14213 \setbox\bslice=\vsplit\holder to\baselineskip
14214 \prune\bslice\rtside
14215 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14216 to\rtside{\box\bslice\hfil}}
14217 \ifdim\ht\holder>0pt\repeat
14218 \fi
14219 %
14220 % fixing the dimensions of the window part
14221 %
14222 \ifnum\bl=0\topheight=\ht\wbslice
14223 \else\ifnum\br=0\topheight=\ht\waslice
14224 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
14225 \else\topheight=\ht\wbslice\fi\fi\fi
14226 %
14227 % ship out the window material to the main vertical list
14228 %
14229 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
14230 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
14231 \fi\fi\fi
14232 \setbox>windowbox=\vbox{\hbox to\linewidth{%
14233 \ifnum\bl>0\box\waslice\hfill\fi%
14234 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
14235 \vfill\unvbox\picbox%
14236 \ifnum\picwd>0\vfill\fi%
14237 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
14238 \unvbox>windowbox%
14239 \loop
14240 \setbox\bslice=\vsplit\rawtext to\baselineskip
14241 \prune\bslice\linewidth
14242 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
14243 \unvbox\wbslice
14244 \ifdim\ht\rawtext>0pt
14245 \repeat
14246 }% FINITO

```

7.92 plain-xetex-bidi.def

```

14247 \def\TeXeTOn{\TeXeTstate=1 }

```



```

14248 \def\TeXeTOff{\TeXeTstate=0 }
14249 \TeXeTOn
14250 \def\usebox#1{\leavevmode\copy #1\relax}
14251 \def\bidirTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\
14252   \let\bidio@everypar=\everypar
14253   \newtoks\bidin@everypar
14254   \bidin@everypar\expandafter{\the\bidio@everypar}
14255   \bidio@everypar{\bidirTL@everypar\the\bidin@everypar}
14256   \let\everypar=\bidin@everypar
14257 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
14258 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
14259 \protected\def\hboxR{\hbox\bgroup
14260   \everyhbox{%
14261     \aftergroup\egroup
14262     \everyhbox{}}%
14263   \beginR
14264   \bgroup
14265   \aftergroup\endR
14266   \aftergroup\egroup
14267 } \hbox}
14268 \protected\def\hboxL{\hbox\bgroup
14269   \everyhbox{%
14270     \aftergroup\egroup
14271     \everyhbox{}}%
14272   \beginL
14273   \bgroup
14274   \aftergroup\endL
14275   \aftergroup\egroup
14276 } \hbox}
14277 \protected\def\vboxR{\vbox\bgroup
14278   \everyvbox{%
14279     \aftergroup\egroup
14280     \everyvbox{}}%
14281   \@RTLtrue
14282   \bgroup
14283   \aftergroup\egroup
14284 } \vbox}
14285 \protected\def\vboxL{\vbox\bgroup
14286   \everyvbox{%
14287     \aftergroup\egroup
14288     \everyvbox{}}%
14289   \@RTLfalse
14290   \bgroup
14291   \aftergroup\egroup
14292 } \vbox}
14293 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
14294 \def\endLTR{\par}
14295 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
14296 \def\endRTL{\par}
14297 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}

```



```

14298 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
14299 \let\unsetRTL=\setLTR
14300 \let\unsetLTR=\setRTL
14301 \let\LR=\LRE
14302 \let\RL=\RLE
14303 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
14304 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
14305 \let\@ensure@RL=\@ensure@RTL
14306 \let\@ensure@LR=\@ensure@LTR
14307 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
14308 \let\@ensure@maindir=\@ensure@dir
14309 \def\@@RTL{RTL}
14310 \def\@@LTR{LTR}
14311 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
14312 \def\reset@dir{\ifx\saved@dir\@@RTL\setRTL\else\ifx\saved@dir\@@LTR\setLTR\else\relax\fi\fi}
14313 \let\@@TeX\TeX
14314 \def\TeX{\@ensure@LTR{\@@TeX}}
14315 \long\def\@bidi@reflect@box#1{%
14316   \leavevmode
14317   \setbox\z@\hbox{#1}%
14318   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
14319   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
14320 }
14321 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
14322   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
14323 \let\setRL=\setRTL
14324 \let\setLR=\setLTR
14325 \let\unsetRL=\setLTR
14326 \let\@bidi@saved@eqno=\eqno
14327 \let\@bidi@saved@leqno=\leqno
14328 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
14329 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
14330 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14331 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14332 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

7.93 pstricks-xetex-bidi.def

```

14333 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package for]
14334 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
14335 \def\endpspicture{%
14336   \ifshowgrid\ifnum\showgridp>0
14337     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
14338     \pst@killglue
14339 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
14340   \endgroup
14341   \egroup
14342   \ifdim\wd\pst@hbox=\z@\else
14343     %\@pstrickserr{Extraneous space in the pspicture environment}%
14344     %\Type \space <return> \space to proceed.}%

```




```

14345 \fi
14346 \ht\pst@hbox=\pst@dimd
14347 \dp\pst@hbox=-\pst@dimb
14348 \setbox\pst@hbox=\hbox{%
14349 \kern-\pst@dimd
14350 % Orig version -----
14351 %\ifx\pst@tempa\@empty\else
14352 %\advance\pst@dimd-\pst@dimb
14353 %\pst@dimd=\pst@tempa\pst@dimd
14354 %\advance\pst@dimd\pst@dimb
14355 %\lower\pst@dimd
14356 %\fi
14357 %----- end Orig
14358 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
14359 \advance\pst@dimd-\pst@dimb
14360 \pst@dimd=0.5\pst@dimd
14361 \else\pst@dimd-\pst@shift\fi
14362 \advance\pst@dimd\pst@dimb
14363 \lower\pst@dimd
14364 \box\pst@hbox
14365 \kern\pst@dimc}%
14366 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
14367 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
14368 \fboxsep=0pt
14369 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
14370 \ifmmode\else\endL\fi
14371 \endgroup%
14372 \psset[pstricks]{shift=0}% reset value
14373 }

```

7.94 quotchap-xetex-bidi.def

```

14374 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
14375 \renewcommand{\qauthor}[1]{%
14376 \par\smallskip
14377 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{\par}\bigskip}
14378 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
14379 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
14380 {\chapnumfont
14381 \ifnum \c@secnumdepth >\m@ne%
14382 \if@mainmatter\thechapter%
14383 \fi\fi
14384 \par\nobreak}%
14385 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10em}
14386 \nobreak\chapterheadendvskip}}
14387 \renewcommand*{\@iprintcites}{%
14388 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
14389 \global\let\@printcites\relax}

```

7.95 ragged2e-xetex-bidi.def



```

14390 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
14391 \renewcommand{\Centering}{%
14392   \ifx\\ \@raggedtwoe@savedcr
14393     \let\\ \@centercr
14394   \fi
14395   \let\@gnewline\@raggedtwoe@gnewline
14396   \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
14397   \@rightskip\CenteringRightskip
14398   \if@RTL\leftskip\else\rightskip\fi\@rightskip
14399   \parfillskip\CenteringParfillskip
14400   \parindent\CenteringParindent
14401   \@raggedtwoe@spaceskiptrue
14402   \@raggedtwoe@everyselectfont
14403 }
14404 \renewcommand{\RaggedLeft}{%
14405   \ifx\\ \@raggedtwoe@savedcr
14406     \let\\ \@centercr
14407   \fi
14408   \let\@gnewline\@raggedtwoe@gnewline
14409   \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
14410   \@rightskip\RaggedLeftRightskip
14411   \if@RTL\leftskip\else\rightskip\fi\@rightskip
14412   \parfillskip\RaggedLeftParfillskip
14413   \parindent\RaggedLeftParindent
14414   \@raggedtwoe@spaceskiptrue
14415   \@raggedtwoe@everyselectfont
14416 }
14417 \renewcommand{\RaggedRight}{%
14418   \ifx\\ \@raggedtwoe@savedcr
14419     \let\\ \@centercr
14420   \fi
14421   \let\@gnewline\@raggedtwoe@gnewline
14422   \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
14423   \@rightskip\RaggedRightRightskip
14424   \if@RTL\leftskip\else\rightskip\fi\@rightskip
14425   \parfillskip\RaggedRightParfillskip
14426   \parindent\RaggedRightParindent
14427   \@raggedtwoe@spaceskiptrue
14428   \@raggedtwoe@everyselectfont
14429 }
14430 \renewcommand{\justifying}{%
14431   \let\\ \@raggedtwoe@savedcr
14432   \let\@gnewline\@raggedtwoe@saved@gnewline
14433   \if@RTL\rightskip\else\leftskip\fi\z@
14434   \@rightskip\z@
14435   \if@RTL\leftskip\else\rightskip\fi\@rightskip
14436   \parfillskip\JustifyingParfillskip
14437   \parindent\JustifyingParindent
14438   \@raggedtwoe@spaceskipfalse
14439   \@raggedtwoe@everyselectfont

```



```

14440 }
14441 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{
14442   \CheckCommand*{\@arrayparboxrestore}{%
14443     \let\if@nobreak\iffalse
14444     \let\if@noskipsec\iffalse
14445     \let\par\@par
14446     \let\-\@dischyph
14447     \let'\@acci\let\` \@accii\let\=\@acciii
14448     \parindent\z@ \parskip\z@skip
14449     \everypar{}%
14450     \linewidth\hsize
14451     \@totalleftmargin\z@
14452     \if@RTL\rightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
14453     \parfillskip\@flushglue \lineskip\normallineskip
14454     \baselineskip\normalbaselineskip
14455     \sloppy}%
14456 \renewcommand{\@arrayparboxrestore}{%
14457   \let\if@nobreak\iffalse
14458   \let\if@noskipsec\iffalse
14459   \let\par\@par
14460   \let\-\@dischyph
14461   \let'\@acci\let\` \@accii\let\=\@acciii
14462   \parskip\z@skip
14463   \everypar{}%
14464   \linewidth\hsize
14465   \@totalleftmargin\z@
14466   \RaggedRight
14467   \lineskip\normallineskip
14468   \baselineskip\normalbaselineskip
14469   \sloppy}%
14470 \let\@raggedtwoe@raggedrightboxes@opt\relax
14471 }
14472 \let\origin@RaggedLeft=\RaggedLeft
14473 \let\origin@RaggedRight=\RaggedRight
14474 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
14475 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.96 rapport1-xetex-bidi.def

```

14476 \ProvidesFile{rapport1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for rapport1 class for Xe
14477 \renewenvironment{theindex}{%
14478   \if@twocolumn
14479     \@restonecolfalse
14480   \else
14481     \@restonecoltrue
14482   \fi
14483   \columnseprule \z@
14484   \columnsep 35\p@
14485   \twocolumn[\@makeschapterhead{\indexname}]%
14486   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%

```



```

14487 \thispagestyle{plain}\parindent\z@
14488 \parskip\z@ \@plus .3\p@\relax
14489 \let\item\@idxitem
14490 }{%
14491 \if@restonecol\onecolumn\else\clearpage\fi}
14492 \renewcommand*{\head@style}{%
14493 \interlinepenalty \@M
14494 \hyphenpenalty=\@M \exhyphenpenalty=\@M
14495 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14496 \if@titlepage
14497 \renewenvironment{abstract}{%
14498 \titlepage
14499 \null\vfil
14500 \section*{\SectFont\abstractname}%
14501 \noindent\ignorespaces}
14502 {\par\vfil\null\endtitlepage}
14503 \else
14504 \renewenvironment{abstract}{%
14505 \if@twocolumn
14506 \section*{\abstractname}%
14507 \else
14508 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
14509 \section*{\small\SectFont\abstractname}%
14510 \noindent\ignorespaces
14511 \fi}
14512 {\if@twocolumn\else\par\egroup\fi}
14513 \fi
14514 \renewcommand*{\@regtocline[3]}{%
14515 \ifnum #1>\c@tocdepth
14516 \else
14517 \vskip\z@ \@plus.2\p@
14518 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14519 \if@RTL\rightskip\else\leftskip\fi\unitindent
14520 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14521 \parfillskip\z@
14522 \@tempdima\unitindent
14523 \parindent\z@
14524 \leavevmode
14525 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14526 \hskip 1em \nobreak{\slshape #3}\par
14527 }%
14528 \fi}
14529 \if@oldtoc
14530 \renewcommand*{\l@part[2]}{%
14531 \ifnum \c@tocdepth >-2\relax
14532 \addpenalty{-\@highpenalty}%
14533 \addvspace{2.25em \@plus\p@}%
14534 \begingroup
14535 \setlength{\@tempdima}{3em}%
14536 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

14537 \parfillskip -\@pnumwidth
14538 {\leavevmode
14539 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14540 \nobreak
14541 \global\@nobreaktrue
14542 \everypar{\global\@nobreakfalse\everypar{}}%
14543 \endgroup
14544 \fi}
14545 \else
14546 \renewcommand*\l@part{%
14547 \ifnum \c@tocdepth >-2\relax
14548 \addpenalty{-\@highpenalty}%
14549 \addvspace{2.25em \@plus \p@}%
14550 \@regtocline{0}%
14551 \fi}
14552 \fi
14553 \if@oldtoc
14554 \renewcommand*\l@chapter[2]{%
14555 \addpenalty{-\@highpenalty}%
14556 \vskip 1.0em \@plus \p@
14557 \setlength\@tempdima{1.5em}%
14558 \begingroup
14559 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14560 \parfillskip -\@pnumwidth
14561 \leavevmode \bfseries
14562 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14563 \hskip -\if@RTL\rightskip\else\leftskip\fi
14564 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14565 \penalty\@highpenalty
14566 \endgroup}
14567 \else
14568 \renewcommand*\l@chapter{\@regtocline{0}}
14569 \fi
14570 \renewcommand*\left@footnoterule{%
14571 \kern-3\p@
14572 \kern.5\baselineskip
14573 \hrule\@width\unitindent
14574 \kern.4\baselineskip
14575 }
14576 \renewcommand*\right@footnoterule{%
14577 \kern-3\p@
14578 \kern.5\baselineskip
14579 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14580 \kern.4\baselineskip}
14581 \renewenvironment{thebibliography}[1]
14582 {\chapter*{\bibname}%
14583 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14584 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14585 \list{\@biblabel{\@arabic\c@enumiv}}%
14586 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

14587         \leftmargin\labelwidth
14588         \advance\leftmargin\labelsep
14589         \@openbib@code
14590         \usecounter{enumiv}%
14591         \let\p@enumiv\@empty
14592         \renewcommand*{\theenumiv}{\@arabic\c@enumiv}}%
14593     \sloppy\clubpenalty4000\widowpenalty4000%
14594     \sfcode`\.\@m}
14595 {\def\@noitemerr
14596   {\@latex@warning{Empty `thebibliography' environment}}}%
14597   \endlist}
14598 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14599 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\csubsection}
14600 \renewcommand*{\thesubsubsection}{\thesubsection\@SepMark\@arabic\csubsubsection}
14601 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\cparagraph}
14602 \renewcommand*{\thesubparagraph}{\theparagraph\@SepMark\@arabic\csubparagraph}
14603 \renewcommand*{\theequation}{%
14604   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14605 \renewcommand*{\thefigure}{%
14606   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14607 \renewcommand*{\thetable}{%
14608   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14609 \if@titlepage
14610 \renewcommand*{\TitleFont}{\rmfamily}
14611 \renewcommand*{\maketitle}{%
14612   \begin{titlepage}%
14613     \let\footnotesize\small
14614     \let\right@footnoterule\relax
14615     \let\left@footnoterule\relax
14616     \let\textwidth@footnoterule\relax
14617     \let \footnote \thanks
14618     \long\def\@makefnmark##1{\parindent\z@
14619       \def\labelitemi{\textendash}\@revlabeltrue
14620       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14621     \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
14622     \if@compatibility\setcounter{page}{0}\fi
14623     \null\vfil
14624     \vskip 60\p@
14625     \begin{center}%
14626       \TitleFont
14627       {\LARGE \def\\{\penalty -\@M}
14628         \if@allcaps
14629           \expandafter\uc@nothanks\@title\thanks\relax
14630         \else
14631           \@title
14632         \fi\par}%
14633       \vskip 3em%
14634       {\large
14635         \lineskip .75em \parindent\z@
14636         \begin{tabular}[t]{c}%

```



```

14637         \if@allcaps
14638             \expandafter\uc@authornothanks \@author\and\relax
14639         \else
14640             \@author
14641         \fi
14642     \end{tabular}\par}%
14643     \vskip 1.5em%
14644     {\large
14645         \if@allcaps
14646             \uppercase\expandafter{\@date}%
14647         \else
14648             \@date
14649         \fi\par}%
14650     \end{center}\par
14651     \@thanks
14652     \vfil\null
14653 \end{titlepage}%
14654 \setcounter{footnote}{0}%
14655 \global\let\thanks\relax
14656 \global\let\maketitle\relax
14657 \global\let\@thanks\@empty
14658 \global\let\@author\@empty
14659 \global\let\@title\@empty
14660 \global\let\@date\@empty
14661 \global\let\title\relax
14662 \global\let\author\relax
14663 \global\let\date\relax
14664 \global\let\and\relax
14665 }
14666 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14667 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14668     \futurelet\@tempa\uc@ax}
14669 \def\uc@ax{%
14670     \ifx\@tempa\relax
14671     \else
14672         \ \andname \ \ \expandafter\uc@authornothanks
14673     \fi}
14674 \def\uc@tx{\ifx\@tempa\relax
14675     \else \expandafter\uc@ty \fi}
14676 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14677 \else
14678 \renewcommand*\maketitle{\par
14679     \begin{group}
14680         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14681         \def\@makefnmark{\rlap{%
14682             \@textsuperscript{\normalfont\@thefnmark}}}%
14683         \long\def\@makefntext{\@xmakefntext{%
14684             \@textsuperscript{\normalfont\@thefnmark}}}%
14685         \if@twocolumn
14686             \ifnum \col@number=\@ne

```



```

14687         \@maketitle
14688     \else
14689         \twocolumn[\@maketitle]%
14690     \fi
14691 \else
14692     \newpage
14693     \global\@topnum\z@
14694     \@maketitle
14695 \fi
14696 \thispagestyle{plain}\@thanks
14697 \endgroup
14698 \setcounter{footnote}{0}%
14699 \global\let\thanks\relax
14700 \global\let\maketitle\relax
14701 \global\let\@maketitle\relax
14702 \global\let\@thanks\@empty
14703 \global\let\@author\@empty
14704 \global\let\@title\@empty
14705 \global\let\@date\@empty
14706 \global\let\title\relax
14707 \global\let\author\relax
14708 \global\let\date\relax
14709 \global\let\and\relax
14710 }
14711 \def\@maketitle{%
14712     \newpage
14713     \null
14714     \vskip 2em%
14715     \begin{center}%
14716         \let \footnote \thanks
14717         {\LARGE \TitleFont \@title \par}%
14718         \vskip 1.5em%
14719         {\large \TitleFont
14720             \lineskip .5em%
14721             \begin{tabular}[t]{c}%
14722                 \@author
14723             \end{tabular}\par}%
14724         \vskip 1em%
14725         {\large \TitleFont \@date}%
14726     \end{center}%
14727     \par
14728     \vskip 1.5em}
14729 \fi

```

7.97 rapport3-xetex-bidi.def

```

14730 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class for X
14731 \renewenvironment{theindex}{%
14732     \if@twocolumn
14733         \@restonecolfalse

```




```

14734 \else
14735   \@restonecoltrue
14736 \fi
14737 \columnseprule \z@
14738 \columnsep 35\p@
14739 \twocolumn[\@makeschapterhead{\indexname}]%
14740 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
14741 \thispagestyle{plain}\parindent\z@
14742 \parskip\z@ \@plus .3\p@\relax
14743 \let\item\@idxitem
14744 }{%
14745 \if@restonecol\onecolumn\else\clearpage\fi}
14746 \if@titlepage
14747 \renewcommand*\TitleFont{\rmfamily}
14748 \renewcommand*\maketitle{%
14749   \begin{titlepage}%
14750     \let\footnotesize\small
14751     \let\right@footnoterule\relax
14752     \let\left@footnoterule\relax
14753     \let\textwidth@footnoterule\relax
14754     \let \footnote \thanks
14755     \let \LTRfootnote \LTRthanks
14756     \let \RTLfootnote \RTLthanks
14757     \long\def\@makefnmark##1{\parindent\z@
14758       \def\labelitemi{\textendash}\@revlabeltrue
14759       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14760     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14761     \if@compatibility\setcounter{page}{0}\fi
14762     \null\vfil
14763     \vskip 60\p@
14764     \begin{center}%
14765       \TitleFont
14766       {\LARGE \def\{\{\penalty -\@M}
14767         \if@allcaps
14768           \expandafter\uc@nothanks\@title\thanks\relax
14769         \else
14770           \@title
14771         \fi\par}%
14772     \vskip 3em%
14773     {\large
14774       \lineskip .75em \parindent\z@
14775       \begin{tabular}[t]{c}%
14776         \if@allcaps
14777           \expandafter\uc@authornothanks\@author\and\relax
14778         \else
14779           \@author
14780         \fi
14781       \end{tabular}\par}%
14782     \vskip 1.5em%
14783     {\large

```



```

14784         \if@allcaps
14785             \uppercase\expandafter{\@date}%
14786         \else
14787             \@date
14788         \fi\par}%
14789     \end{center}\par
14790     \@thanks
14791     \vfil\null
14792 \end{titlepage}%
14793 \setcounter{footnote}{0}%
14794 \global\let\thanks\relax
14795 \global\let\LTRthanks\relax
14796 \global\let\RTLthanks\relax
14797 \global\let\maketitle\relax
14798 \global\let\@thanks\@empty
14799 \global\let\@author\@empty
14800 \global\let\@title\@empty
14801 \global\let\@date\@empty
14802 \global\let\title\relax
14803 \global\let\author\relax
14804 \global\let\date\relax
14805 \global\let\and\relax
14806 }
14807 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14808 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14809     \futurelet\@tempa\uc@ax}
14810 \def\uc@ax{%
14811     \ifx\@tempa\relax
14812     \else
14813         \ \andname \ \ \expandafter\uc@authornothanks
14814     \fi}
14815 \def\uc@tx{\ifx\@tempa\relax
14816     \else \expandafter\uc@ty \fi}
14817 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14818 \else
14819 \renewcommand*\maketitle{\par
14820     \beginingroup
14821         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14822         \def\@makefnmark{\rlap{%
14823             \@textsuperscript{\normalfont\@thefnmark}}}%
14824         \long\def\@makefntext{\@xmakefntext{%
14825             \@textsuperscript{\normalfont\@thefnmark}}}%
14826         \if@twocolumn
14827             \ifnum \col@number=\@ne
14828                 \@maketitle
14829             \else
14830                 \twocolumn[\@maketitle]%
14831             \fi
14832         \else
14833             \newpage

```



```

14834     \global\@topnum\z@
14835     \@maketitle
14836     \fi
14837     \thispagestyle{plain}\@thanks
14838 \endgroup
14839 \setcounter{footnote}{0}%
14840 \global\let\thanks\relax
14841 \global\let\LTRthanks\relax
14842 \global\let\RTLthanks\relax
14843 \global\let\maketitle\relax
14844 \global\let\@maketitle\relax
14845 \global\let\@thanks\@empty
14846 \global\let\@author\@empty
14847 \global\let\@title\@empty
14848 \global\let\@date\@empty
14849 \global\let\title\relax
14850 \global\let\author\relax
14851 \global\let\date\relax
14852 \global\let\and\relax
14853 }
14854 \def\@maketitle{%
14855   \newpage
14856   \null
14857   \vskip 2em%
14858   \if@titlecentered
14859     \begin{center}%
14860       \let \footnote \thanks
14861       \let \LTRfootnote \LTRthanks
14862       \let \RTLfootnote \RTLthanks
14863       {\LARGE \TitleFont \@title \par}%
14864       \vskip 1.5em%
14865       {\large \TitleFont
14866         \lineskip .5em%
14867         \begin{tabular}[t]{c}%
14868           \@author
14869         \end{tabular}\par}%
14870       \vskip 1em%
14871       {\large \TitleFont \@date}%
14872     \end{center}%
14873   \else
14874     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
14875     {\large \TitleFont \lineskip .5em \tabcolsep\z@
14876       \def\and{%% \begin{tabular} has already started
14877         \end{tabular}\hskip 1em plus .17fil
14878         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
14879         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
14880       \vskip 1em {\large \TitleFont \@date}
14881     \fi
14882     \par
14883     \vskip 1.5em}

```



```

14884 \fi
14885 \renewcommand*\@regtocline[3]{%
14886   \ifnum #1>\c@tocdepth
14887   \else
14888     \vskip\z@ \@plus.2\p@
14889     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14890      \if@RTL\rightskip\else\leftskip\fi\unitindent
14891      \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
14892      \parfillskip\z@
14893      \@tempdima\unitindent
14894      \parindent\z@
14895      \leavevmode
14896      \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14897      \hskip 1em \nobreak{\slshape #3}\par
14898    }%
14899   \fi}
14900 \if@oldtoc
14901 \renewcommand*\l@part[2]{%
14902   \ifnum \c@tocdepth >-2\relax
14903     \addpenalty{-\@highpenalty}%
14904     \addvspace{2.25em \@plus\p@}%
14905     \begingroup
14906       \setlength\@tempdima{3em}%
14907       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14908       \parfillskip -\@pnumwidth
14909       {\leavevmode
14910        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14911        \nobreak
14912        \global\@nobreaktrue
14913        \everypar{\global\@nobreakfalse\everypar{}}%
14914      \endgroup
14915   \fi}
14916 \else
14917 \renewcommand*\l@part{%
14918   \ifnum \c@tocdepth >-2\relax
14919     \addpenalty{-\@highpenalty}%
14920     \addvspace{2.25em \@plus \p@}%
14921     \@regtocline{0}%
14922   \fi}
14923 \fi
14924 \if@oldtoc
14925 \renewcommand*\l@chapter[2]{%
14926   \addpenalty{-\@highpenalty}%
14927   \vskip 1.0em \@plus\p@
14928   \setlength\@tempdima{1.5em}%
14929   \begingroup
14930     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14931     \parfillskip -\@pnumwidth
14932     \leavevmode \bfseries
14933     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima

```



```

14934 \hskip -\if@RTL\righskip\else\leftskip\fi
14935 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14936 \penalty\@highpenalty
14937 \endgroup}
14938 \else
14939 \renewcommand*\l@chapter{\@regtocline{0}}
14940 \fi
14941 \renewcommand*\head@style{%
14942 \interlinepenalty \@M
14943 \hyphenpenalty=\@M \exhyphenpenalty=\@M
14944 \if@RTL\leftskip\else\righskip\fi=0cm plus .7\hsize\relax}
14945 \if@titlepage
14946 \renewenvironment{abstract}{%
14947 \titlepage
14948 \null\vfil
14949 \section*{\SectFont\abstractname}%
14950 \noindent\ignorespaces}
14951 {\par\vfil\null\endtitlepage}
14952 \else
14953 \renewenvironment{abstract}{%
14954 \if@twocolumn
14955 \section*{\abstractname}%
14956 \else
14957 \bgroup\if@RTL\leftskip\else\righskip\fi=\unitindent
14958 \section*{\small\SectFont\abstractname}%
14959 \noindent\ignorespaces
14960 \fi}
14961 {\if@twocolumn\else\par\egroup\fi}
14962 \fi
14963 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14964 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14965 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14966 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14967 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14968 \renewcommand*\thefigure{%
14969 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14970 \renewcommand*\thetable{%
14971 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14972 \renewcommand*\theequation{%
14973 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14974 \renewenvironment{thebibliography}[1]
14975 {\chapter*{\bibname}%
14976 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14977 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14978 \list{\@biblabel{\@arabic\c@enumiv}}%
14979 {\settowidth\labelwidth{\@biblabel{#1}}%
14980 \leftmargin\labelwidth
14981 \advance\leftmargin\labelsep
14982 \@openbib@code
14983 \usecounter{enumiv}%

```



```

14984         \let\p@enumiv\@empty
14985         \renewcommand*\theenumiv{\@arabic\c@enumiv}}}%
14986         \sloppy\clubpenalty4000\widowpenalty4000%
14987         \sfcode`\.\@m}
14988     {\def\@noitemerr
14989      {\@latex@warning{Empty `thebibliography' environment}}}%
14990     \endlist}
14991 \renewcommand*\left@footnoterule{%
14992  \kern-3\p@
14993  \kern.5\baselineskip
14994  \hrule\@width\unitindent
14995  \kern.4\baselineskip
14996 }
14997 \renewcommand*\right@footnoterule{%
14998  \kern-3\p@
14999  \kern.5\baselineskip
15000  \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15001  \kern.4\baselineskip}
15002 \renewcommand*\head@style{%
15003  \interlinepenalty \@M
15004  \hyphenpenalty=\@M \exhyphenpenalty=\@M
15005  \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

7.98 refrep-xetex-bidi.def

```

15006 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for XeTeX]
15007 \if@titlepage
15008   \renewcommand\maketitle{\begin{titlepage}%
15009     \let\footnotesize\small
15010     \let\right@footnoterule\relax
15011     \let\left@footnoterule\relax
15012     \let\textwidth@footnoterule\relax
15013     \let\footnote\thanks
15014     \let\LTRfootnote\LTRthanks
15015     \let\RTLfootnote\RTLthanks
15016     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15017     \def\@makefnmark%
15018       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15019     \long\def\@makefntext##1{%
15020       \setpar{\@par
15021         \@tempdima = \hsize
15022         \advance\@tempdima -1em
15023         \parshape \@ne 1em \@tempdima}%
15024       \par\parindent 1em \noindent
15025       \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\},\##1}
15026     \null\vfil
15027     \vskip 60\p@
15028     \begin{center}%
15029       {\LARGE \@title \par}%
15030       \vskip 3em%

```



```

15031 {\large
15032 \lineskip .75em%
15033 \begin{tabular}[t]{c}%
15034 \@author
15035 \end{tabular}\par}%
15036 \vskip 1.5em%
15037 {\large \@date \par}% % Set date in \large size.
15038 \end{center}\par
15039 \@thanks
15040 \vfil\null
15041 \end{titlepage}%
15042 \setcounter{footnote}{0}%
15043 \global\let\thanks\relax
15044 \global\let\LTRthanks\relax
15045 \global\let\RTLthanks\relax
15046 \global\let\maketitle\relax
15047 \global\let\@thanks\@empty
15048 \global\let\@author\@empty
15049 \global\let\@date\@empty
15050 \global\let\@title\@empty
15051 \global\let\title\relax
15052 \global\let\author\relax
15053 \global\let\date\relax
15054 \global\let\and\relax
15055 }
15056 \else
15057 \renewcommand\maketitle{\par
15058 \begingroup
15059 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15060 \def\@makefnmark%
15061 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15062 \long\def\@makefntext##1{%
15063 \@setpar{\@par
15064 \@tempdima = \hsize
15065 \advance\@tempdima -1em
15066 \parshape \@ne 1em \@tempdima}%
15067 \par\parindent 1em \noindent
15068 \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15069 \if@twocolumn
15070 \ifnum \col@number=\@ne
15071 \maketitle
15072 \else
15073 \twocolumn[\@maketitle]%
15074 \fi
15075 \else
15076 \newpage
15077 \global\@topnum\z@ % Prevents figures from going at top of page.
15078 \maketitle
15079 \fi
15080 \thispagestyle{empty}\@thanks

```



```

15081 \endgroup
15082 \setcounter{footnote}{0}%
15083 \global\let\thanks\relax
15084 \global\let\LTRthanks\relax
15085 \global\let\RTLthanks\relax
15086 \global\let\maketitle\relax
15087 \global\let\@maketitle\relax
15088 \global\let\@thanks\@empty
15089 \global\let\@author\@empty
15090 \global\let\@date\@empty
15091 \global\let\@title\@empty
15092 \global\let\title\relax
15093 \global\let\author\relax
15094 \global\let\date\relax
15095 \global\let\and\relax
15096 }
15097 \def\@maketitle{%
15098 \newpage
15099 \null
15100 \longthickrule\vskip1.5em%
15101 \let \footnote \thanks
15102 \let \LTRfootnote \LTRthanks
15103 \let \RTLfootnote \RTLthanks
15104 {\secshape \parskip\z@ \parindent\z@
15105 \Large\bfseries \@title \par}%
15106 \vskip1.5em\longthickrule\vskip1.5em%
15107 {\normalsize
15108 \lineskip .5em%
15109 \begin{flushright}%
15110 {\slshape\@author\par}
15111 \vskip 1em%
15112 {\@date}%
15113 \end{flushright}\par}%
15114 \vskip 1.5em}
15115 \fi
15116 \renewcommand*\l@part[2]{%
15117 \ifnum \c@tocdepth >-2\relax
15118 \addpenalty{-\@highpenalty}%
15119 \addvspace{2.25em \@plus\p}%
15120 \begingroup
15121 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15122 \parfillskip -\@pnumwidth
15123 {\leavevmode
15124 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
15125 \nobreak
15126 \global\@nobreaktrue
15127 \everypar{\global\@nobreakfalse\everypar{}}%
15128 \endgroup
15129 \fi}
15130 \renewcommand*\l@chapter[2]{%

```




```

15131 \ifnum \c@tocdepth >\m@ne
15132 \addpenalty{-\@highpenalty}%
15133 \vskip 1.0em \@plus\p@
15134 \setlength\@tempdima{1.5em}%
15135 \begingroup
15136 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15137 \parfillskip -\@pnumwidth
15138 \leavevmode \bfseries
15139 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15140 \hskip -\if@RTL\rightskip\else\leftskip\fi
15141 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15142 \penalty\@highpenalty
15143 \endgroup
15144 \fi}
15145 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
15146 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
15147 \hyphenpenalty=2000}
15148 \renewcommand\left@footnoterule{%
15149 \kern-3\p@
15150 \hrule\@width.4\columnwidth
15151 \kern 2.6\p@}
15152 \renewcommand\right@footnoterule{%
15153 \kern-3\p@
15154 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15155 \kern2.6\p@}
15156 \renewcommand\theequation
15157 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15158 \renewcommand\thefigure
15159 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15160 \renewcommand\thetable%
15161 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15162 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
15163 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15164 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15165 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15166 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15167 \renewenvironment{thebibliography}[1]
15168 {\chapter*{\bibname
15169 \@mkboth{\bibname}{\bibname}}%
15170 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15171 \list{\@biblabel{\@arabic\c@enumiv}}%
15172 {\settowidth\labelwidth{\@biblabel{#1}}%
15173 \leftmargin\labelwidth
15174 \advance\leftmargin\labelsep
15175 \@openbib@code
15176 \usecounter{enumiv}}%
15177 \let\p@enumiv\@empty
15178 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15179 \sloppy
15180 \clubpenalty4000

```



```

15181         \@clubpenalty \clubpenalty
15182         \widowpenalty4000%
15183         \sfcode`\.=\@m}
15184     {\def\@noitemerr
15185      {\@latex@warning{Empty `thebibliography' environment}}}%
15186     \endlist}

```

7.99 report-xetex-bidi.def

```

15187 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report class]
15188 \renewenvironment{theindex}
15189     {\if@twocolumn
15190      \@restonecolfalse
15191      \else
15192      \@restonecoltrue
15193      \fi
15194      \columnseprule \z@
15195      \columnsep 35\p@
15196      \twocolumn[\@makeschapterhead{\indexname}]}%
15197      \@mkboth{\MakeUppercase\indexname}%
15198              {\MakeUppercase\indexname}%
15199      \thispagestyle{plain}\parindent\z@
15200      \parskip\z@ \@plus .3\p@\relax
15201      \let\item\@idxitem}
15202     {\if@restonecol\onecolumn\else\clearpage\fi}
15203 \if@titlepage
15204 \renewcommand\maketitle{\begin{titlepage}%
15205 \let\footnotesize\small
15206 \let\right@footnoterule\relax
15207 \let\left@footnoterule\relax
15208 \let\textwidth@footnoterule\relax
15209 \let \footnote \thanks
15210 \let \LTRfootnote \LTRthanks
15211 \let \RTLfootnote \RTLthanks
15212 \null\vfil
15213 \vskip 60\p@
15214 \begin{center}%
15215   {\LARGE \@title \par}%
15216   \vskip 3em%
15217   {\large
15218     \lineskip .75em%
15219     \begin{tabular}[t]{c}%
15220       \@author
15221     \end{tabular}\par}%
15222     \vskip 1.5em%
15223     {\large \@date \par}%           % Set date in \large size.
15224 \end{center}\par
15225 \@thanks
15226 \vfil\null
15227 \end{titlepage}%

```



```

15228 \setcounter{footnote}{0}%
15229 \global\let\thanks\relax
15230 \global\let\LTRthanks\relax
15231 \global\let\RTLthanks\relax
15232 \global\let\maketitle\relax
15233 \global\let\@thanks\@empty
15234 \global\let\@author\@empty
15235 \global\let\@date\@empty
15236 \global\let\@title\@empty
15237 \global\let\title\relax
15238 \global\let\author\relax
15239 \global\let\date\relax
15240 \global\let\and\relax
15241 }
15242 \else
15243 \renewcommand\maketitle{\par
15244 \begingroup
15245 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15246 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15247 \long\def\@makefntext##1{\parindent 1em\noindent
15248 \hb@xt@1.8em{%
15249 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15250 \if@twocolumn
15251 \ifnum \col@number=\@ne
15252 \@maketitle
15253 \else
15254 \twocolumn[\@maketitle]%
15255 \fi
15256 \else
15257 \newpage
15258 \global\@topnum\z@ % Prevents figures from going at top of page.
15259 \@maketitle
15260 \fi
15261 \thispagestyle{plain}\@thanks
15262 \endgroup
15263 \setcounter{footnote}{0}%
15264 \global\let\thanks\relax
15265 \global\let\LTRthanks\relax
15266 \global\let\RTLthanks\relax
15267 \global\let\maketitle\relax
15268 \global\let\@maketitle\relax
15269 \global\let\@thanks\@empty
15270 \global\let\@author\@empty
15271 \global\let\@date\@empty
15272 \global\let\@title\@empty
15273 \global\let\title\relax
15274 \global\let\author\relax
15275 \global\let\date\relax
15276 \global\let\and\relax
15277 }

```



```

15278 \def\@maketitle{%
15279   \newpage
15280   \null
15281   \vskip 2em%
15282   \begin{center}%
15283     \let \footnote \thanks
15284     \let \LTRfootnote \LTRthanks
15285     \let \RTLfootnote \RTLthanks
15286     {\LARGE \@title \par}%
15287     \vskip 1.5em%
15288     {\large
15289       \lineskip .5em%
15290       \begin{tabular}[t]{c}%
15291         \@author
15292       \end{tabular}\par}%
15293     \vskip 1em%
15294     {\large \@date}%
15295   \end{center}%
15296   \par
15297   \vskip 1.5em}
15298 \fi
15299 \renewcommand*\l@part[2]{%
15300   \ifnum \c@tocdepth >-2\relax
15301     \addpenalty{-\@highpenalty}%
15302     \addvspace{2.25em \@plus\p}%
15303     \setlength\@tempdima{3em}%
15304     \begingroup
15305       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15306       \parfillskip -\@pnumwidth
15307       {\leavevmode
15308         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15309       \nobreak
15310       \global\@nobreaktrue
15311       \everypar{\global\@nobreakfalse\everypar{}}%
15312     \endgroup
15313   \fi}
15314 \renewcommand*\l@chapter[2]{%
15315   \ifnum \c@tocdepth >\m@ne
15316     \addpenalty{-\@highpenalty}%
15317     \vskip 1.0em \@plus\p@
15318     \setlength\@tempdima{1.5em}%
15319     \begingroup
15320       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15321       \parfillskip -\@pnumwidth
15322       \leavevmode \bfseries
15323       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15324       \hskip -\if@RTL\rightskip\else\leftskip\fi
15325       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15326       \penalty\@highpenalty
15327     \endgroup

```



```

15328 \fi}
15329 \renewcommand\left@footnoterule{%
15330 \kern-3\p@
15331 \hrule\@width.4\columnwidth
15332 \kern2.6\p@}
15333 \renewcommand\right@footnoterule{%
15334 \kern-3\p@
15335 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15336 \kern2.6\p@}
15337 \renewcommand\theequation
15338 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15339 \renewcommand \thefigure
15340 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15341 \renewcommand \thetable
15342 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15343 \renewcommand \thechapter {\@arabic\c@chapter}
15344 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15345 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15346 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15347 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15348 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15349 \def\@makechapterhead#1{%
15350 \vspace*{50\p@}%
15351 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15352 \ifnum \c@secnumdepth >\m@ne
15353 \huge\bfseries \@chapapp\space \thechapter
15354 \par\nobreak
15355 \vskip 20\p@
15356 \fi
15357 \interlinepenalty\@M
15358 \Huge \bfseries #1\par\nobreak
15359 \vskip 40\p@
15360 }}
15361 \def\@makeschapterhead#1{%
15362 \vspace*{50\p@}%
15363 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15364 \normalfont
15365 \interlinepenalty\@M
15366 \Huge \bfseries #1\par\nobreak
15367 \vskip 40\p@
15368 }}
15369 \renewenvironment{thebibliography}[1]
15370 {\chapter*{\bibname}%
15371 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15372 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15373 \list{\@biblabel{\@arabic\c@enumiv}}%
15374 {\settowidth\labelwidth{\@biblabel{#1}}%
15375 \leftmargin\labelwidth
15376 \advance\leftmargin\labelsep
15377 \openbib@code

```



```

15378         \usecounter{enumiv}%
15379         \let\p@enumiv\@empty
15380         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15381     \sloppy
15382     \clubpenalty4000
15383     \@clubpenalty \clubpenalty
15384     \widowpenalty4000%
15385     \sfcode`\.\@m}
15386 {\def\@noitemerr
15387   {\@latex@warning{Empty `thebibliography' environment}}}%
15388 \endlist}

```

7.100 rotating-xetex-bidi.def

```

15389 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
15390 \def\end@rotfloat{%
15391   \end{minipage}\end{lrbox}%
15392   \stepcounter{r@tfl@t}%
15393   \rot@label{RF\ther@tfl@t}%
15394   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15395   \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
15396   \rot@mess@toks\expandafter{\@tempa}
15397   \wd\rot@float@box\z@
15398   \ht\rot@float@box\z@
15399   \dp\rot@float@box\z@
15400   \vboxL to \textheight{%
15401     \setkeys{Grot}{units=360}}%
15402   \if@rot@twoside
15403   \else
15404     \let\R@@page\rot@LR
15405   \fi
15406   \ifthenelse{\isodd{\R@@page}}{%
15407     \if@rot@twoside
15408       \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
15409     \fi
15410     \vfill
15411     \@@line{%
15412       \hskip\rotFPtop
15413       \rotatebox{90}{\box\rot@float@box}%
15414       \hskip\rotFPbot
15415     }%
15416   }{%
15417     \if@rot@twoside
15418       \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
15419     \fi
15420     \@@line{%
15421       \hskip\rotFPbot
15422       \rotatebox{-90}{\box\rot@float@box}%
15423       \hskip\rotFPtop
15424     }%

```



```

15425     \vfill
15426   }%
15427   \rot@message{\the\rot@mess@toks}
15428 }%
15429 \end@float
15430 }
15431 \let\endsidewaysfigure\end@rotfloat
15432 \let\endsidewaystable\end@rotfloat
15433 \def\end@rotdblfloat{%
15434   \end{minipage}\end{lrbox}%
15435   \stepcounter{r@tfl@t}%
15436   \rot@label{RF\ther@tfl@t}%
15437   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15438   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
15439   \rot@mess@toks\expandafter{\@tempa}
15440   \@tempdima\ht\rot@float@box
15441   \advance\@tempdima by \dp\rot@float@box
15442   \wd\rot@float@box\z@
15443   \ht\rot@float@box\z@
15444   \dp\rot@float@box\z@
15445   \vboxL to \textheight{%
15446     \setkeys{Grot}{units=360}%
15447     \if@rot@twoside
15448     \else
15449       \let\R@@page\rot@LR
15450     \fi
15451     \ifthenelse{\isodd{\R@@page}}{%
15452       \ifrot@messages
15453         \if@rot@twoside
15454         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
15455       \fi
15456       \fi
15457       \vfill
15458       @@line{%
15459         \hskip\rotFPtop
15460         \rotatebox{90}{\box\rot@float@box}%
15461         \hskip\rotFPbot
15462       }%
15463     }{%
15464       \ifrot@messages
15465         \if@rot@twoside
15466         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
15467       \fi
15468       \fi%
15469       @@line{%
15470         \hskip\rotFPbot
15471         \rotatebox{-90}{\box\rot@float@box}%
15472         \hskip\rotFPtop
15473       }%
15474     \vfill

```



```

15475 }%
15476 \rot@message{\the\rot@mess@toks}%
15477 }%
15478 \end@dblfloat
15479 }
15480 \def\turn#1{%
15481 \Grot@setangle{#1}%
15482 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15483 \def\endturn{%
15484 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15485 \unskip\color@endbox
15486 \Grot@x\z@
15487 \Grot@y\z@
15488 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15489 }
15490 \def\rotate#1{%
15491 \Grot@setangle{#1}%
15492 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15493 \def\endrotate{%
15494 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15495 \unskip\color@endbox
15496 \Grot@x\z@
15497 \Grot@y\z@
15498 \wd0\z@\dp0\z@\ht0\z@
15499 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15500 }
15501 \def\turnbox#1#2{%
15502 \Grot@setangle{#1}%
15503 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
15504 \Grot@x\z@\Grot@y\z@
15505 \wd0\z@\dp0\z@\ht0\z@
15506 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15507 }
15508 \def\sideways{%
15509 \Grot@setangle{90}%
15510 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15511 \def\endsideways{%
15512 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15513 \unskip\color@endbox
15514 \Grot@x\z@
15515 \Grot@y\z@
15516 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15517 }

```

7.101 scrartcl-xetex-bidi.def

```

15518 \ProvidesFile{scrartcl-xetex-bidi.def}[2016/09/11 v0.9 bidi adaptations for scrartcl class for Xe
15519 \newcommand{\scr@saved@LTRfootnotetext}{}
15520 \newcommand{\scr@saved@RTLfootnotetext}{}
15521 \let\scr@saved@footnotetext\@footnotetext

```




```

15522 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15523 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15524 \renewcommand{\@footnotetext}[1]{%
15525   \scr@saved@footnotetext{#1}%
15526   \csname FN@mf@prepare\endcsname
15527 }
15528 \renewcommand{\@LTRfootnotetext}[1]{%
15529   \scr@saved@LTRfootnotetext{#1}%
15530   \csname FN@mf@prepare\endcsname
15531 }
15532 \renewcommand{\@RTLfootnotetext}[1]{%
15533   \scr@saved@RTLfootnotetext{#1}%
15534   \csname FN@mf@prepare\endcsname
15535 }
15536 \renewcommand\deffootnote[4][1]{%
15537   \long\def\@makefnmark##1{%
15538     \setlength{\@tempdimc}{#3}%
15539     \def\@tempa{#1}\ifx\@tempa\@empty
15540       \setpar{\@par
15541         \@tempdima = \hsize
15542         \addtolength{\@tempdima}{-#2}%
15543         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15544       \else
15545         \addtolength{\@tempdimc}{#2}%
15546         \addtolength{\@tempdimc}{-#1}%
15547         \setpar{\@par
15548           \@tempdima = \hsize
15549           \addtolength{\@tempdima}{-#1}%
15550           \@tempdimb = \hsize
15551           \addtolength{\@tempdimb}{-#2}%
15552           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb}%
15553         }%
15554       \fi
15555       \par
15556       \parindent\@tempdimc\noindent
15557       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15558     }%
15559     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
15560   }
15561 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15562 \renewcommand*\left@footnoterule{%
15563   \normalsize\ftn@rule@test@values
15564   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
15565   \ifx\@textbottom\relax\else\vskip \z@ \@plus .05fil\fi
15566   {\usekomafont{footnoterule}{%
15567     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15568   \kern 2.6\p@}
15569 \renewcommand*\right@footnoterule{%
15570   \normalsize\ftn@rule@test@values
15571   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax

```



```

15572 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15573 {\usekomafont{footnoterule}{%
15574 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
15575 \kern 2.6\p@}
15576 \renewcommand*\maketitle[1][1]{%
15577 \if@titlepage
15578 \begin{titlepage}
15579 \setcounter{page}{%
15580 #1%
15581 }%
15582 \let\footnotesize\small
15583 \let\right@footnoterule\relax
15584 \let\left@footnoterule\relax
15585 \let\textwidth@footnoterule\relax
15586 \let\footnote\thanks
15587 \let\LTRfootnote\LTRthanks
15588 \let\RTLfootnote\RTLthanks
15589 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15590 \let\@oldmakefnmark\@makefnmark
15591 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
15592 \ifx\@extratitle\@empty \else
15593 \noindent\@extratitle\next@tpage\cleardoubleemptypage
15594 \thispagestyle{empty}%
15595 \fi
15596 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15597 \ifx\@titlehead\@empty \else
15598 \begin{minipage}[t]{\textwidth}%
15599 \@titlehead
15600 \end{minipage}\par
15601 \fi
15602 \null\vfill
15603 \begin{center}
15604 \ifx\@subject\@empty \else
15605 {\subject@font \@subject \par}%
15606 \vskip 3em
15607 \fi
15608 {\titlefont\huge \@title\par}%
15609 \vskip 1em
15610 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15611 \vskip 2em
15612 {\Large \lineskip 0.75em
15613 \begin{tabular}[t]{c}
15614 \@author
15615 \end{tabular}\par
15616 }%
15617 \vskip 1.5em
15618 {\Large \@date \par}%
15619 \vskip \z@ \@plus3fill
15620 {\Large \@publishers \par}%
15621 \vskip 3em

```



```

15622 \end{center}\par
15623 \@thanks
15624 \vfill\null
15625 \if@twoside\next@tpage
15626 \begin{minipage}[t]{\textwidth}
15627 \@uppertitleback
15628 \end{minipage}\par
15629 \vfill
15630 \begin{minipage}[b]{\textwidth}
15631 \@lowertitleback
15632 \end{minipage}
15633 \fi
15634 \ifx\@dedication\@empty \else
15635 \next@tpage\null\vfill
15636 {\centering \Large \@dedication \par}%
15637 \vskip \z@ \@plus3fill
15638 \if@twoside \next@tpage\cleardoubleemptypage \fi
15639 \fi
15640 \end{titlepage}
15641 \else
15642 \par
15643 \@tempcnta=
15644 #1%
15645 \relax\ifnum\@tempcnta=1\else
15646 \ClassWarning{KOMAClassName}{%
15647 Optional argument of \string\maketitle\space ignored
15648 at\MessageBreak
15649 notitlepage-mode%
15650 }%
15651 \fi
15652 \begingroup
15653 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15654 \let\@oldmakefnmark\@makefnmark
15655 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
15656 \if@twocolumn
15657 \ifnum \col@number=\@one
15658 \@maketitle
15659 \else
15660 \twocolumn[\@maketitle]%
15661 \fi
15662 \else
15663 \newpage
15664 \global\@topnum\z@
15665 \@maketitle
15666 \fi
15667 \thispagestyle{\titlepagestyle}\@thanks
15668 \endgroup
15669 \fi
15670 \setcounter{footnote}{0}%
15671 \let\thanks\relax

```



```

15672 \let\LTRthanks\relax
15673 \let\RTLthanks\relax
15674 \let\maketitle\relax
15675 \let\@maketitle\relax
15676 \global\let\@thanks\@empty
15677 \global\let\@author\@empty
15678 \global\let\@date\@empty
15679 \global\let\@title\@empty
15680 \global\let\@subtitle\@empty
15681 \global\let\@extratitle\@empty
15682 \global\let\@titlehead\@empty
15683 \global\let\@subject\@empty
15684 \global\let\@publishers\@empty
15685 \global\let\@uppertitleback\@empty
15686 \global\let\@lowertitleback\@empty
15687 \global\let\@dedication\@empty
15688 \global\let\author\relax
15689 \global\let\title\relax
15690 \global\let\extratitle\relax
15691 \global\let\titlehead\relax
15692 \global\let\subject\relax
15693 \global\let\publishers\relax
15694 \global\let\uppertitleback\relax
15695 \global\let\lowertitleback\relax
15696 \global\let\dedication\relax
15697 \global\let\date\relax
15698 \global\let\and\relax
15699 }%
15700 \renewcommand*{\@maketitle}{%
15701 \clearpage
15702 \let\footnote\thanks
15703 \let\LTRfootnote\LTRthanks
15704 \let\RTLfootnote\RTLthanks
15705 \ifx\@extratitle\@empty \else
15706 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15707 \fi
15708 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
15709 \ifx\@titlehead\@empty \else
15710 \begin{minipage}[t]{\textwidth}
15711 \@titlehead
15712 \end{minipage}\par
15713 \fi
15714 \null
15715 \vskip 2em%
15716 \begin{center}%
15717 \ifx\@subject\@empty \else
15718 {\subject@font \@subject \par}
15719 \vskip 1.5em
15720 \fi
15721 {\titlefont\huge \@title \par}%

```



```

15722 \vskip .5em
15723 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15724 \vskip 1em
15725 {\Large
15726 \lineskip .5em%
15727 \begin{tabular}[t]{c}
15728 \@author
15729 \end{tabular}\par
15730 }%
15731 \vskip 1em%
15732 {\Large \@date \par}%
15733 \vskip \z@ \@plus 1em
15734 {\Large \@publishers \par}
15735 \ifx\@dedication\@empty \else
15736 \vskip 2em
15737 {\Large \@dedication \par}
15738 \fi
15739 \end{center}}%
15740 \par
15741 \vskip 2em
15742 }%
15743 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15744 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
15745 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15746 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
15747 \renewcommand*{\thesubsubsection}{%
15748 \thesubsection\@SepMark\@arabic\c@subsubsection
15749 }
15750 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15751 \renewcommand*{\thesubparagraph}{%
15752 \theparagraph\@SepMark\@arabic\c@subparagraph
15753 }
15754 \renewenvironment{thebibliography}[1]{%
15755 \if@bib@break@
15756 \bib@beginhook
15757 \else
15758 \bib@heading
15759 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15760 \noindent\bibpreamble\par\nobreak
15761 \fi\fi
15762 \bib@beginhook
15763 \bib@before@hook
15764 \fi
15765 \renewcommand{\BreakBibliography}[1]{%
15766 \@bib@break
15767 \end{thebibliography}%
15768 \begingroup ##1\endgroup
15769 \begin{thebibliography}{#1}
15770 }%
15771 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```



```

15772 \list{%
15773   \@biblabel{\@arabic\c@enumiv}%
15774 }{%
15775   \settowidth\labelwidth{\@biblabel{#1}}%
15776   \leftmargin\labelwidth
15777   \advance\leftmargin\labelsep
15778   \@openbib@code
15779   \if@bib@break@
15780     \edef\@tempa{%
15781       \noexpand\usecounter{enumiv}%
15782       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15783     }\@tempa
15784     \no@bib@break
15785   \else
15786     \usecounter{enumiv}%
15787   \fi
15788   \let\p@enumiv\@empty
15789   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15790 }%
15791 \sloppy\clubpenalty4000 \widowpenalty4000
15792 \sfcode`\.=\@m
15793 }{%
15794   \if@bib@break@
15795     \def\@noitemerr{%
15796       \@latex@warning{%
15797         \string\BreakBibliography\space at begin of `thebibliography'
15798         environment\MessageBreak
15799         or following \string\BreakBibliography}%
15800     }%
15801   \else
15802     \def\@noitemerr{%
15803       \@latex@warning{%
15804         Empty `thebibliography' environment or
15805         \string\BreakBibliography\MessageBreak
15806         before end of `thebibliography' environment}%
15807     }%
15808   \fi
15809   \endlist
15810   \if@bib@break@
15811   \else
15812     \bib@after@hook
15813     \let\bib@before@hook\@empty
15814     \let\bib@after@hook\@empty
15815   \fi
15816   \bib@endhook
15817 }
15818 \renewcommand*\left@footnoterule{%
15819   \kern-3\p@
15820   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15821   \hrule\@width.4\columnwidth

```



```

15822 \kern 2.6\p@}
15823 \renewcommand*\right@footnoterule{%
15824 \kern-3\p@
15825 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15826 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15827 \kern2.6\p@}
15828 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
15829 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15830 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15831 \renewcommand\marginline[1]{%
15832 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15833 }
15834 \renewcommand{\@makecaption}[3]{%
15835 \cap@margin
15836 \ifonelinecaptions
15837 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15838 \let\scr@tmp@footnotetext=\@footnotetext
15839 \let\@footnotetext=\@gobble
15840 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15841 \let\@LTRfootnotetext=\@gobble
15842 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15843 \let\@RTLfootnotetext=\@gobble
15844 \sbox\@tempboxa{%
15845 {\capfont{\strut\ignorespaces
15846 #1{\caplabelfont{#2\captionformat}}}%
15847 #3\unskip\strut}}%
15848 }%
15849 \let\@footnotetext=\scr@tmp@footnotetext
15850 \let\scr@tmp@footnotetext=\undefined
15851 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15852 \let\scr@tmp@LTRfootnotetext=\undefined
15853 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15854 \let\scr@tmp@RTLfootnotetext=\undefined
15855 \setcounter{footnote}{\@tempcntb}%
15856 \setcounter{mpfootnote}{\@tempcnta}%
15857 \else
15858 \sbox\@tempboxa{\hspace*{2\cap@width}}%
15859 \fi
15860 \begingroup%
15861 \setlength{\@tempdima}{\cap@width}%
15862 \ifdim \wd\@tempboxa >\@tempdima
15863 \hb@xt@\hsize{%
15864 \setbox\@tempboxa\vbox{\hsize=\cap@width
15865 \ifdofullc@p
15866 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15867 #1{\caplabelfont{#2\captionformat}}}}}%
15868 {\#3\unskip\strut\par}}}%
15869 \else%
15870 \ifdim\cap@indent<\z@
15871 {\capfont{\strut\ignorespaces

```



```

15872         #1{{\caplabelfont{#2\captionformat\par}}}%
15873         \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
15874     \else%
15875         \if@capbreak
15876         {\capfont{\strut\ignorespaces
15877         #1{{\caplabelfont{#2\captionformat\par}}}%
15878         \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
15879     \else
15880     {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
15881     {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15882     {{\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%
15883     \fi
15884     \fi
15885     \fi
15886     }%
15887     \setlength{\@tempdima}{\ht\@tempboxa}%
15888     \addtolength{\@tempdima}{\dp\@tempboxa}%
15889     \addtolength{\@tempdima}{-\ht\strutbox}%
15890     \ht\@tempboxa\ht\strutbox
15891     \dp\@tempboxa\@tempdima
15892     \strut\cap@left
15893     \box\@tempboxa
15894     \cap@right\strut
15895     }%
15896     \else
15897     \global \@minipagefalse
15898     \sbox\@tempboxa{%
15899     {\capfont{\scr@smashdp{\strut\ignorespaces
15900     #1{{\caplabelfont{#2\captionformat}}}}}%
15901     #3}}%
15902     }%
15903     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right\strut}}%
15904     \fi
15905     \endgroup
15906 }
15907 \renewcommand{\@makecaption}[2]{%
15908     \if@captionabove
15909     \vskip\belowcaptionskip
15910     \else
15911     \vskip\abovecaptionskip
15912     \fi
15913     @@makecaption\@firstofone{#1}{#2}%
15914     \if@captionabove
15915     \vskip\abovecaptionskip
15916     \else
15917     \vskip\belowcaptionskip
15918     \fi
15919 }
15920 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15921     \@ifpackageloaded{caption2}{\@komalongtablefalse

```




```

15922 \scr@caption@before@longtable@warning{caption2}%
15923 }{}%
15924 \if@komalongtable
15925 \renewcommand{\LT@makecaption}[3]{%
15926 \noalign{%
15927 \if@captionabove
15928 \vskip\belowcaptionskip
15929 \else
15930 \vskip\abovecaptionskip
15931 \fi
15932 }%
15933 \LT@mcol\LT@cols c{%
15934 \hbox to\z@{\hss\parbox[t]{\linewidth{%
15935 \@@makecaption{#1}{#2}{#3}%
15936 \endgraf
15937 \if@captionabove
15938 \vskip\abovecaptionskip
15939 \else
15940 \vskip\belowcaptionskip
15941 \fi
15942 }%
15943 \hss
15944 }%
15945 }%
15946 }%
15947 \renewcommand*{\scr@LT@array}{}%
15948 \let\scr@LT@array=\LT@array
15949 \renewcommand*{\LT@array}{%
15950 \let\scr@caption=\LT@caption
15951 \def\captionabove{\noalign{\global\@captionabovetrue}%
15952 \scr@caption}%
15953 \def\captionbelow{\noalign{\global\@captionabovetrue}%
15954 \scr@caption}%
15955 \if@tablecaptionabove
15956 \let\LT@caption=\captionabove
15957 \else
15958 \let\LT@caption=\captionbelow
15959 \fi
15960 \scr@LT@array
15961 }%
15962 \ClassInfo{\KOMAClassName}{%
15963 longtable captions redefined%
15964 }%
15965 \fi
15966 }

```

7.102 scrbook-xetex-bidi.def

```

15967 \ProvidesFile{scrbook-xetex-bidi.def}[2016/09/11 v0.9 bidi adaptations for scrbook class for XeT
15968 \newcommand{\scr@saved@LTRfootnotetext}{}

```



```

15969 \newcommand{\scr@saved@RTLfootnotetext}{}
15970 \let\scr@saved@footnotetext\@footnotetext
15971 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15972 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15973 \renewcommand{\@footnotetext}[1]{%
15974   \scr@saved@footnotetext{#1}%
15975   \csname FN@mfb@prepare\endcsname
15976 }
15977 \renewcommand{\@LTRfootnotetext}[1]{%
15978   \scr@saved@LTRfootnotetext{#1}%
15979   \csname FN@mfb@prepare\endcsname
15980 }
15981 \renewcommand{\@RTLfootnotetext}[1]{%
15982   \scr@saved@RTLfootnotetext{#1}%
15983   \csname FN@mfb@prepare\endcsname
15984 }
15985 \renewcommand\deffootnote[4][1]{%
15986   \long\def\@makefnmark##1{%
15987     \setlength{\@tempdimc}{#3}%
15988     \def\@tempa{#1}\ifx\@tempa\@empty
15989       \setpar{\@par
15990         \@tempdima = \hsize
15991         \addtolength{\@tempdima}{-#2}%
15992         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15993       \else
15994         \addtolength{\@tempdimc}{#2}%
15995         \addtolength{\@tempdimc}{-#1}%
15996         \setpar{\@par
15997           \@tempdima = \hsize
15998           \addtolength{\@tempdima}{-#1}%
15999           \@tempdimb = \hsize
16000           \addtolength{\@tempdimb}{-#2}%
16001           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb}%
16002         }%
16003       \fi
16004       \par
16005       \parindent\@tempdimc\noindent
16006       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16007     }%
16008     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16009   }
16010   \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16011   \renewcommand*\left@footnoterule{%
16012     \normalsize\ftn@rule@test@values
16013     \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16014     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16015     {\usekomafont{footnoterule}{%
16016       \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16017     \kern 2.6\p}
16018   \renewcommand*\right@footnoterule{%

```



```

16019 \normalsize\ftn@rule@test@values
16020 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16021 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16022 {\usekomafont{footnoterule}{%
16023   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16024   \kern 2.6\p@}
16025 \renewcommand*\maketitle[1][1]{%
16026   \if@titlepage
16027     \begin{titlepage}
16028       \setcounter{page}{%
16029         #1%
16030       }%
16031       \let\footnotesize\small
16032       \let\right@footnoterule\relax
16033       \let\left@footnoterule\relax
16034       \let\textwidth\footnoterule\relax
16035       \let\footnote\thanks
16036       \let\LTRfootnote\LTRthanks
16037       \let\RTLfootnote\RTLthanks
16038       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16039       \let\@oldmakefnmark\@makefnmark
16040       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16041       \ifx\@extratitle\@empty \else
16042         \noindent\@extratitle\next@tpage\cleardoubleemptypage
16043         \thispagestyle{empty}%
16044       \fi
16045       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16046       \ifx\@titlehead\@empty \else
16047         \begin{minipage}[t]{\textwidth}%
16048           \@titlehead
16049         \end{minipage}\par
16050       \fi
16051       \null\vfill
16052       \begin{center}
16053         \ifx\@subject\@empty \else
16054           {\subject@font \@subject \par}%
16055           \vskip 3em
16056         \fi
16057         {\titlefont\huge \@title\par}%
16058         \vskip 1em
16059         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16060         \vskip 2em
16061         {\Large \lineskip 0.75em
16062           \begin{tabular}[t]{c}
16063             \@author
16064           \end{tabular}\par
16065         }%
16066         \vskip 1.5em
16067         {\Large \@date \par}%
16068         \vskip \z@ \@plus3fill

```



```

16069         {\Large \@publishers \par}%
16070         \vskip 3em
16071     \end{center}\par
16072     \@thanks
16073     \vfill\null
16074     \if@twoside\next@tpage
16075         \begin{minipage}[t]{\textwidth}
16076             \@uppertitleback
16077         \end{minipage}\par
16078         \vfill
16079         \begin{minipage}[b]{\textwidth}
16080             \@lowertitleback
16081         \end{minipage}
16082     \fi
16083     \ifx\@dedication\@empty \else
16084         \next@tpage\null\vfill
16085         {\centering \Large \@dedication \par}%
16086         \vskip \z@ \@plus3fill
16087         \if@twoside \next@tpage\cleardoubleemptypage \fi
16088     \fi
16089     \end{titlepage}
16090 \else
16091     \par
16092     \@tempcnta=%
16093     #1%
16094     \relax\ifnum\@tempcnta=1\else
16095         \ClassWarning{\KOMAClassName}{%
16096             Optional argument of \string\maketitle\space ignored
16097             at\MessageBreak
16098             notitlepage-mode%
16099         }%
16100     \fi
16101     \begingroup
16102         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16103         \let\@oldmakefnmark\@makefnmark
16104         \renewcommand*\@makefnmark{\@rlap\@oldmakefnmark}
16105         \if@twocolumn
16106             \ifnum \col@number=\@one
16107                 \@maketitle
16108             \else
16109                 \twocolumn[\@maketitle]%
16110             \fi
16111         \else
16112             \newpage
16113             \global\@topnum\z@
16114             \@maketitle
16115         \fi
16116         \thispagestyle{\titlepagestyle}\@thanks
16117     \endgroup
16118 \fi

```



```

16119 \setcounter{footnote}{0}%
16120 \let\thanks\relax
16121 \let\LTRthanks\relax
16122 \let\RTLthanks\relax
16123 \let\maketitle\relax
16124 \let\@maketitle\relax
16125 \global\let\@thanks\@empty
16126 \global\let\@author\@empty
16127 \global\let\@date\@empty
16128 \global\let\@title\@empty
16129 \global\let\@subtitle\@empty
16130 \global\let\@extratitle\@empty
16131 \global\let\@titlehead\@empty
16132 \global\let\@subject\@empty
16133 \global\let\@publishers\@empty
16134 \global\let\@uppertitleback\@empty
16135 \global\let\@lowertitleback\@empty
16136 \global\let\@dedication\@empty
16137 \global\let\author\relax
16138 \global\let\title\relax
16139 \global\let\extratitle\relax
16140 \global\let\titlehead\relax
16141 \global\let\subject\relax
16142 \global\let\publishers\relax
16143 \global\let\uppertitleback\relax
16144 \global\let\lowertitleback\relax
16145 \global\let\dedication\relax
16146 \global\let\date\relax
16147 \global\let\and\relax
16148 }%
16149 \renewcommand*{\@maketitle}{%
16150 \clearpage
16151 \let\footnote\thanks
16152 \let\LTRfootnote\LTRthanks
16153 \let\RTLfootnote\RTLthanks
16154 \ifx\@extratitle\@empty \else
16155 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16156 \fi
16157 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16158 \ifx\@titlehead\@empty \else
16159 \begin{minipage}[t]{\textwidth}
16160 \@titlehead
16161 \end{minipage}\par
16162 \fi
16163 \null
16164 \vskip 2em%
16165 \begin{center}%
16166 \ifx\@subject\@empty \else
16167 {\subject@font \@subject \par}
16168 \vskip 1.5em

```



```

16169 \fi
16170 {\titlefont\huge \@title \par}%
16171 \vskip .5em
16172 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16173 \vskip 1em
16174 {\Large
16175 \lineskip .5em%
16176 \begin{tabular}[t]{c}
16177 \@author
16178 \end{tabular}\par
16179 }%
16180 \vskip 1em%
16181 {\Large \@date \par}%
16182 \vskip \z@ \@plus 1em
16183 {\Large \@publishers \par}
16184 \ifx\@dedication\@empty \else
16185 \vskip 2em
16186 {\Large \@dedication \par}
16187 \fi
16188 \end{center}%
16189 \par
16190 \vskip 2em
16191 }%
16192 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16193 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16194 \renewcommand*\thesection{%
16195 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16196 \if@mainmatter\thechapter\@SepMark\fi
16197 \else
16198 \thechapter\@SepMark%
16199 \fi
16200 \@arabic\c@section
16201 }
16202 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16203 \renewcommand*\thesubsubsection{%
16204 \thesubsection\@SepMark\@arabic\c@subsubsection
16205 }
16206 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16207 \renewcommand*\thesubparagraph{%
16208 \theparagraph\@SepMark\@arabic\c@subparagraph
16209 }
16210 \renewcommand*\thefigure{%
16211 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16212 \if@mainmatter\thechapter\@SepMark\fi
16213 \else
16214 \thechapter\@SepMark%
16215 \fi
16216 \@arabic\c@figure
16217 }
16218 \renewcommand*\thetable{%

```



```

16219 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16220 \if@mainmatter\thechapter\@SepMark\fi
16221 \else
16222 \thechapter\@SepMark%
16223 \fi
16224 \@arabic\c@table
16225 }
16226 \renewcommand*\theequation{%
16227 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16228 \if@mainmatter\thechapter\@SepMark\fi
16229 \else
16230 \thechapter\@SepMark%
16231 \fi
16232 \@arabic\c@equation
16233 }
16234 \renewenvironment{thebibliography}[1]{%
16235 \if@bib@break@
16236 \bib@beginhook
16237 \else
16238 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16239 \setchapterpreamble{\bibpreamble}%
16240 \fi\fi
16241 \bib@heading
16242 \bib@beginhook
16243 \bib@before@hook
16244 \fi
16245 \renewcommand{\BreakBibliography}[1]{%
16246 \@bib@break
16247 \end{thebibliography}%
16248 \begingroup ##1\endgroup
16249 \begin{thebibliography}{#1}
16250 }%
16251 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16252 \list{%
16253 \@biblabel{\@arabic\c@enumiv}%
16254 }{%
16255 \settowidth\labelwidth{\@biblabel{#1}}%
16256 \leftmargin\labelwidth
16257 \advance\leftmargin\labelsep
16258 \@openbib@code
16259 \if@bib@break@
16260 \edef\@tempa{%
16261 \noexpand\usecounter{enumiv}%
16262 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16263 }\@tempa
16264 \no@bib@break
16265 \else
16266 \usecounter{enumiv}%
16267 \fi
16268 \let\p@enumiv\@empty

```



```

16269 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16270 }%
16271 \sloppy\clubpenalty4000 \widowpenalty4000
16272 \sfcode`\.=\@m
16273 }{%
16274 \if@bib@break@
16275 \def\@noitemerr{%
16276 \@latex@warning{%
16277 \string\BreakBibliography\space at begin of `thebibliography'
16278 environment\MessageBreak
16279 or following \string\BreakBibliography}%
16280 }%
16281 \else
16282 \def\@noitemerr{%
16283 \@latex@warning{%
16284 Empty `thebibliography' environment or
16285 \string\BreakBibliography\MessageBreak
16286 before end of `thebibliography' environment}%
16287 }%
16288 \fi
16289 \endlist
16290 \if@bib@break@
16291 \else
16292 \bib@after@hook
16293 \let\bib@before@hook\@empty
16294 \let\bib@after@hook\@empty
16295 \fi
16296 \bib@endhook
16297 }
16298 \renewcommand*\left@footnoterule{%
16299 \kern-3\p@
16300 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16301 \hrule\@width.4\columnwidth
16302 \kern 2.6\p@}
16303 \renewcommand*\right@footnoterule{%
16304 \kern-3\p@
16305 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16306 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16307 \kern2.6\p@}
16308 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
16309 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
16310 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
16311 \renewcommand\marginline[1]{%
16312 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16313 }
16314 \renewcommand{\@makecaption}[3]{%
16315 \cap@margin
16316 \ifonelinecaptions
16317 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16318 \let\scr@tmp@footnotetext=\@footnotetext

```




```

16319 \let\@footnotetext=\@gobble
16320 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16321 \let\@LTRfootnotetext=\@gobble
16322 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16323 \let\@RTLfootnotetext=\@gobble
16324 \sbox\@tempboxa{%
16325   {\capfont{\strut\ignorespaces
16326     #1{\caplabelfont{#2\captionformat}}}%
16327     #3\unskip\strut}}%
16328 }%
16329 \let\@footnotetext=\scr@tmp@footnotetext
16330 \let\scr@tmp@footnotetext=\undefined
16331 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16332 \let\scr@tmp@LTRfootnotetext=\undefined
16333 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16334 \let\scr@tmp@RTLfootnotetext=\undefined
16335 \setcounter{footnote}{\@tempcntb}%
16336 \setcounter{mpfootnote}{\@tempcnta}%
16337 \else
16338   \sbox\@tempboxa{\hspace*{2\cap@width}}%
16339 \fi
16340 \begingroup%
16341   \setlength{\@tempdima}{\cap@width}%
16342   \ifdim \wd\@tempboxa >\@tempdima
16343     \hb@xt{\hsize{%
16344       \setbox\@tempboxa\vbox{\hsize=\cap@width
16345         \ifdoofullc@p
16346           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16347             #1{\caplabelfont{#2\captionformat}}}}}%
16348             {\#3\unskip\strut\par}}}%
16349         \else%
16350           \ifdim\cap@indent<\z@
16351             {\capfont{\strut\ignorespaces
16352               #1{\caplabelfont{#2\captionformat\par}}}%
16353               \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
16354           \else%
16355             \if@capbreak
16356               {\capfont{\strut\ignorespaces
16357                 #1{\caplabelfont{#2\captionformat\par}}}%
16358                 \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
16359             \else
16360               {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16361                 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16362                   {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
16363             \fi
16364           \fi
16365         \fi
16366       }%
16367       \setlength{\@tempdima}{\ht\@tempboxa}%
16368       \addtolength{\@tempdima}{\dp\@tempboxa}%

```



```

16369      \addtolength{\@tempdima}{-\ht\strutbox}%
16370      \ht\@tempboxa\ht\strutbox
16371      \dp\@tempboxa\@tempdima
16372      \strut\cap@left
16373      \box\@tempboxa
16374      \cap@right\strut
16375    }%
16376  \else
16377    \global \@minipagefalse
16378    \sbox\@tempboxa{%
16379      {\capfont{\scr@smashdp{\strut\ignorespaces
16380        #1{\caplabelfont{#2\captionformat}}}}%
16381        #3}}%
16382    }%
16383    {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\capfont{#1}}}%
16384    \fi
16385  \endgroup
16386 }
16387 \renewcommand{\@makecaption}[2]{%
16388   \if@captionabove
16389     \vskip\belowcaptionskip
16390   \else
16391     \vskip\abovecaptionskip
16392   \fi
16393   \@@makecaption\@firstofone{#1}{#2}%
16394   \if@captionabove
16395     \vskip\abovecaptionskip
16396   \else
16397     \vskip\belowcaptionskip
16398   \fi
16399 }
16400 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16401   \@ifpackageloaded{caption2}{\@komalongtablefalse
16402     \scr@caption@before@longtable@warning{caption2}%
16403   }{}%
16404   \if@komalongtable
16405     \renewcommand{\LT@makecaption}[3]{%
16406       \noalign{%
16407         \if@captionabove
16408           \vskip\belowcaptionskip
16409         \else
16410           \vskip\abovecaptionskip
16411         \fi
16412       }%
16413       \LT@mcol\LT@cols c{%
16414         \hbox to\z@{\hss\parbox[t]{\linewidth{%
16415           \@@makecaption{#1}{#2}{#3}%
16416         \endgraf
16417         \if@captionabove
16418           \vskip\abovecaptionskip

```



```

16419         \else
16420             \vskip\belowcaptionskip
16421         \fi
16422     }%
16423     \hss
16424 }%
16425 }%
16426 }%
16427 \renewcommand*{\scr@LT@array}{}%
16428 \let\scr@LT@array=\LT@array
16429 \renewcommand*{\LT@array}{%
16430     \let\scr@caption=\LT@caption
16431     \def\captionabove{\noalign{\global\@captionabovetrue}%
16432         \scr@caption}%
16433     \def\captionbelow{\noalign{\global\@captionabovetrue}%
16434         \scr@caption}%
16435     \if@tablecaptionabove
16436         \let\LT@caption=\captionabove
16437     \else
16438         \let\LT@caption=\captionbelow
16439     \fi
16440     \scr@LT@array
16441 }%
16442 \ClassInfo{\KOMAClassName}{%
16443     longtable captions redefined%
16444 }%
16445 \fi
16446 }

```

7.103 scrlettr-xetex-bidi.def

```

16447 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for Xe
16448 \renewcommand\deffootnote[4][]{%
16449     \long\def\@makefnmark##1{%
16450         \edef\@tempa{#1}\ifx\@tempa\@empty
16451             \@setpar{\@par
16452                 \@tempdima = \hsize
16453                 \addtolength{\@tempdima}{-#2}
16454                 \if@RTL\parshape \@ne 0pt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16455             \else
16456                 \@setpar{\@par
16457                     \@tempdima = \hsize
16458                     \addtolength{\@tempdima}{-#1}
16459                     \@tempdimb = \hsize
16460                     \addtolength{\@tempdimb}{-#2}
16461                     \if@RTL\parshape \tw@ 0pt \@tempdima 0pt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@te
16462                 \fi
16463                 \par
16464                 \parindent #3\noindent
16465                 \hbox to \z@{\hss\@makefnmark}##1}

```



```

16466 \def\@makefnmark{\hbox{#4}}
16467 }
16468 \deffootnote[1em]{1.5em}{1em}
16469 {\textsuperscript{\thefootnotemark}}
16470 \def\left@footnoterule{\kern-1\p@
16471 \hrule width 0.4\columnwidth
16472 \kern .6\p@}
16473 \def\right@footnoterule{%
16474 \kern-1\p@
16475 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16476 \kern .6\p@}
16477 \def\@datefield{\@reffalse
16478 \ifx\varyourref\@empty \else \@reftrue \fi
16479 \ifx\varyourmail\@empty \else \@reftrue \fi
16480 \ifx\varmyref\@empty \else \@reftrue \fi
16481 \ifx\varcustomer\@empty \else \@reftrue \fi
16482 \ifx\varinvoice\@empty \else \@reftrue \fi
16483 \ifx\varrefitemi\@empty \else \@reftrue \fi
16484 \ifx\varrefitemii\@empty \else \@reftrue \fi
16485 \ifx\varrefitemiii\@empty \else \@reftrue \fi
16486 \vskip -\parskip
16487 \vskip \refvskip
16488 \if@ref
16489 \ifx\varyourref\@empty \else
16490 \settowidth{\sc@temp}{\varyourref}
16491 \setbox0\hbox{\scriptsize \sf \yourrefname}
16492 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16493 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
16494 \fi
16495 \ifx\varyourmail\@empty \else
16496 \settowidth{\sc@temp}{\varyourmail}
16497 \setbox0\hbox{\scriptsize \sf \yourmailname}
16498 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16499 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
16500 \fi
16501 \ifx\varmyref\@empty \else
16502 \settowidth{\sc@temp}{\varmyref}
16503 \setbox0\hbox{\scriptsize \sf \myrefname}
16504 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16505 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
16506 \fi
16507 \ifx\varcustomer\@empty \else
16508 \settowidth{\sc@temp}{\varcustomer}
16509 \setbox0\hbox{\scriptsize \sf \customername}
16510 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16511 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
16512 \fi
16513 \ifx\varinvoice\@empty \else
16514 \settowidth{\sc@temp}{\varinvoice}
16515 \setbox0\hbox{\scriptsize \sf \invoicename}

```



```

16516 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16517 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
16518 \fi
16519 \ifx\varrefitemi\@empty \else
16520 \settowidth{\sc@temp}{\varrefitemi}
16521 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
16522 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16523 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
16524 \fi
16525 \ifx\varrefitemii\@empty \else
16526 \settowidth{\sc@temp}{\varrefitemii}
16527 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
16528 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16529 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
16530 \fi
16531 \ifx\varrefitemiii\@empty \else
16532 \settowidth{\sc@temp}{\varrefitemiii}
16533 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
16534 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16535 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
16536 \fi
16537 \ifx\@date\@empty \else
16538 \settowidth{\sc@temp}{\@date}
16539 \setbox0\hbox{\scriptsize \sf \datename}
16540 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16541 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
16542 \fi
16543 \par
16544 \vspace{2.5\baselineskip}
16545 \else
16546 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
16547 \vspace{1.5\baselineskip}
16548 \fi}
16549 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
16550 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
16551 -\sigindent \hspace{\sigindent}}%
16552 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}\\[\presig@ski
16553 \fromsig\strut}\par
16554 \vspace{1.5\baselineskip}}

```

7.104 scrreprt-xetex-bidi.def

```

16555 \ProvidesFile{scrreprt-xetex-bidi.def}[2016/09/11 v0.9 bidi adaptations for scrreprt class for X
16556 \newcommand{\scr@saved@LTRfootnotetext}{}
16557 \newcommand{\scr@saved@RTLfootnotetext}{}
16558 \let\scr@saved@footnotetext\@footnotetext
16559 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16560 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16561 \renewcommand{\@footnotetext}[1]{%
16562 \scr@saved@footnotetext{#1}%

```



```

16563 \csname FN@mf@prepare\endcsname
16564 }
16565 \renewcommand{\@LTRfootnotetext}[1]{%
16566 \scr@saved@LTRfootnotetext{#1}%
16567 \csname FN@mf@prepare\endcsname
16568 }
16569 \renewcommand{\@RTLfootnotetext}[1]{%
16570 \scr@saved@RTLfootnotetext{#1}%
16571 \csname FN@mf@prepare\endcsname
16572 }
16573 \renewcommand\deffootnote[4][1]{%
16574 \long\def\@makefnmark##1{%
16575 \setlength{\@tempdimc}{#3}%
16576 \def\@tempa{#1}\ifx\@tempa\@empty
16577 \setpar{\@par
16578 \@tempdima = \hsize
16579 \addtolength{\@tempdima}{-#2}%
16580 \ifRTL\parshape \@one Opt \@tempdima\else\parshape \@one #2 \@tempdima\fi}%
16581 \else
16582 \addtolength{\@tempdimc}{#2}%
16583 \addtolength{\@tempdimc}{-#1}%
16584 \setpar{\@par
16585 \@tempdima = \hsize
16586 \addtolength{\@tempdima}{-#1}%
16587 \@tempdimb = \hsize
16588 \addtolength{\@tempdimb}{-#2}%
16589 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16590 }%
16591 \fi
16592 \par
16593 \parindent\@tempdimc\noindent
16594 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16595 }%
16596 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
16597 }
16598 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16599 \renewcommand*\left@footnoterule{%
16600 \normalsize\ftn@rule@test@values
16601 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16602 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16603 {\usekomafont{footnoterule}{%
16604 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16605 \kern 2.6\p@}
16606 \renewcommand*\right@footnoterule{%
16607 \normalsize\ftn@rule@test@values
16608 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16609 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16610 {\usekomafont{footnoterule}{%
16611 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16612 \kern 2.6\p@}

```



```

16613 \renewcommand*\maketitle[1][1]{%
16614   \if@titlepage
16615     \begin{titlepage}
16616       \setcounter{page}{%
16617         #1%
16618       }%
16619       \let\footnotesize\small
16620       \let\right@footnoterule\relax
16621       \let\left@footnoterule\relax
16622       \let\textwidth\footnoterule\relax
16623       \let\footnote\thanks
16624       \let\LTRfootnote\LTRthanks
16625       \let\RTLfootnote\RTLthanks
16626       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16627       \let\@oldmakefnmark\@makefnmark
16628       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16629       \ifx\@extratitle\@empty \else
16630         \noindent\@extratitle\next@tpage\cleardoubleemptypage
16631         \thispagestyle{empty}%
16632       \fi
16633       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16634       \ifx\@titlehead\@empty \else
16635         \begin{minipage}[t]{\textwidth}%
16636           \@titlehead
16637         \end{minipage}\par
16638       \fi
16639       \null\vfill
16640       \begin{center}
16641         \ifx\@subject\@empty \else
16642           {\subject@font \@subject \par}%
16643           \vskip 3em
16644         \fi
16645         {\titlefont\huge \@title\par}%
16646         \vskip 1em
16647         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16648         \vskip 2em
16649         {\Large \lineskip 0.75em
16650           \begin{tabular}[t]{c}
16651             \@author
16652           \end{tabular}\par
16653         }%
16654         \vskip 1.5em
16655         {\Large \@date \par}%
16656         \vskip \z@\@plus3fill
16657         {\Large \@publishers \par}%
16658         \vskip 3em
16659       \end{center}\par
16660       \@thanks
16661       \vfill\null
16662       \if@twoside\next@tpage

```



```

16663         \begin{minipage}[t]{\textwidth}
16664             \uppertitleback
16665         \end{minipage}\par
16666         \vfill
16667         \begin{minipage}[b]{\textwidth}
16668             \lowertitleback
16669         \end{minipage}
16670     \fi
16671     \ifx\@dedication\@empty \else
16672         \next@tpage\null\vfill
16673         {\centering \Large \@dedication \par}%
16674         \vskip \z@ \@plus3fill
16675         \if@twoside \next@tpage\cleardoubleemptypage \fi
16676     \fi
16677     \end{titlepage}
16678 \else
16679     \par
16680     \@tempcnta=%
16681     #1%
16682     \relax\ifnum\@tempcnta=1\else
16683         \ClassWarning{\KOMAClassName}{%
16684             Optional argument of \string\maketitle\space ignored
16685             at\MessageBreak
16686             notitlepage-mode%
16687         }%
16688     \fi
16689     \begin{group}
16690         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16691         \let\oldmakefnmark\makefnmark
16692         \renewcommand*{\@makefnmark}{\rlap\oldmakefnmark}
16693         \if@twocolumn
16694             \ifnum \col@number=\@one
16695                 \@maketitle
16696             \else
16697                 \twocolumn[\@maketitle]%
16698             \fi
16699         \else
16700             \newpage
16701             \global\@topnum\z@
16702             \@maketitle
16703         \fi
16704         \thispagestyle{\titlepagestyle}\@thanks
16705     \end{group}
16706 \fi
16707 \setcounter{footnote}{0}%
16708 \let\thanks\relax
16709 \let\LTRthanks\relax
16710 \let\RTLthanks\relax
16711 \let\maketitle\relax
16712 \let\@maketitle\relax

```




```

16713 \global\let\@thanks\@empty
16714 \global\let\@author\@empty
16715 \global\let\@date\@empty
16716 \global\let\@title\@empty
16717 \global\let\@subtitle\@empty
16718 \global\let\@extratitle\@empty
16719 \global\let\@titlehead\@empty
16720 \global\let\@subject\@empty
16721 \global\let\@publishers\@empty
16722 \global\let\@uppertitleback\@empty
16723 \global\let\@lowertitleback\@empty
16724 \global\let\@dedication\@empty
16725 \global\let\author\relax
16726 \global\let\title\relax
16727 \global\let\extratitle\relax
16728 \global\let\titlehead\relax
16729 \global\let\subject\relax
16730 \global\let\publishers\relax
16731 \global\let\uppertitleback\relax
16732 \global\let\lowertitleback\relax
16733 \global\let\dedication\relax
16734 \global\let\date\relax
16735 \global\let\and\relax
16736 }%
16737 \renewcommand*{\@maketitle}{%
16738   \clearpage
16739   \let\footnote\thanks
16740   \let\LTRfootnote\LTRthanks
16741   \let\RTLfootnote\RTLthanks
16742   \ifx\@extratitle\@empty \else
16743     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16744   \fi
16745   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
16746   \ifx\@titlehead\@empty \else
16747     \begin{minipage}[t]{\textwidth}
16748       \@titlehead
16749     \end{minipage}\par
16750   \fi
16751   \null
16752   \vskip 2em%
16753   \begin{center}%
16754     \ifx\@subject\@empty \else
16755       {\subject@font \@subject \par}
16756       \vskip 1.5em
16757     \fi
16758     {\titlefont\huge \@title \par}%
16759     \vskip .5em
16760     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16761     \vskip 1em
16762     {\Large

```



```

16763      \lineskip .5em%
16764      \begin{tabular}[t]{c}
16765          \@author
16766      \end{tabular}\par
16767  }%
16768      \vskip 1em%
16769      {\Large \@date \par}%
16770      \vskip \z@ \@plus 1em
16771      {\Large \@publishers \par}
16772      \ifx\@dedication\@empty \else
16773          \vskip 2em
16774          {\Large \@dedication \par}
16775      \fi
16776      \end{center}%
16777      \par
16778      \vskip 2em
16779  }%
16780  \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16781  \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16782  \renewcommand*\thesection{%
16783      \thechapter\@SepMark%
16784      \@arabic\c@section
16785  }
16786  \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16787  \renewcommand*\thesubsubsection{%
16788      \thesubsection\@SepMark\@arabic\c@subsubsection
16789  }
16790  \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16791  \renewcommand*\thesubparagraph{%
16792      \theparagraph\@SepMark\@arabic\c@subparagraph
16793  }
16794  \renewcommand*\thefigure{%
16795      \thechapter\@SepMark%
16796      \@arabic\c@figure
16797  }
16798  \renewcommand*\thetable{%
16799      \thechapter\@SepMark%
16800      \@arabic\c@table
16801  }
16802  \renewcommand*\theequation{%
16803      \thechapter\@SepMark%
16804      \@arabic\c@equation
16805  }
16806  \renewenvironment{thebibliography}[1]{%
16807      \if@bib@break@
16808          \bib@beginhook
16809      \else
16810          \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16811              \setchapterpreamble{\bibpreamble}%
16812          \fi\fi

```



```

16813 \bib@heading
16814 \bib@beginhook
16815 \bib@before@hook
16816 \fi
16817 \renewcommand{\BreakBibliography}[1]{%
16818 \@bib@break
16819 \end{thebibliography}%
16820 \begingroup ##1\endgroup
16821 \begin{thebibliography}{#1}
16822 }%
16823 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
16824 \list{%
16825 \@biblabel{\@arabic\c@enumiv}%
16826 }{%
16827 \settowidth\labelwidth{\@biblabel{#1}}%
16828 \leftmargin\labelwidth
16829 \advance\leftmargin\labelsep
16830 \@openbib@code
16831 \if@bib@break@
16832 \edef\@tempa{%
16833 \noexpand\usecounter{enumiv}%
16834 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16835 }\@tempa
16836 \no@bib@break
16837 \else
16838 \usecounter{enumiv}%
16839 \fi
16840 \let\p@enumiv\@empty
16841 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16842 }%
16843 \sloppy\clubpenalty4000 \widowpenalty4000
16844 \sfcode`\.=\@m
16845 }{%
16846 \if@bib@break@
16847 \def\@noitemerr{%
16848 \@latex@warning{%
16849 \string\BreakBibliography\space at begin of `thebibliography'
16850 environment\MessageBreak
16851 or following \string\BreakBibliography}%
16852 }%
16853 \else
16854 \def\@noitemerr{%
16855 \@latex@warning{%
16856 Empty `thebibliography' environment or
16857 \string\BreakBibliography\MessageBreak
16858 before end of `thebibliography' environment}%
16859 }%
16860 \fi
16861 \endlist
16862 \if@bib@break@

```



```

16863 \else
16864 \bib@after@hook
16865 \let\bib@before@hook\empty
16866 \let\bib@after@hook\empty
16867 \fi
16868 \bib@endhook
16869 }
16870 \renewcommand*\left@footnoterule{%
16871 \kern-3\p@
16872 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16873 \hrule\@width.4\columnwidth
16874 \kern 2.6\p@}
16875 \renewcommand*\right@footnoterule{%
16876 \kern-3\p@
16877 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16878 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16879 \kern2.6\p@}
16880 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16881 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16882 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16883 \renewcommand\marginline[1]{%
16884 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16885 }
16886 \renewcommand{\@makecaption}[3]{%
16887 \cap@margin
16888 \ifonelinecaptions
16889 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16890 \let\scr@tmp@footnotetext=\@footnotetext
16891 \let\@footnotetext=\@gobble
16892 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16893 \let\@LTRfootnotetext=\@gobble
16894 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16895 \let\@RTLfootnotetext=\@gobble
16896 \sbox\@tempboxa{%
16897 {\capfont{\strut\ignorespaces
16898 #1{\caplabelfont{#2\captionformat}}}%
16899 #3\unskip\strut}}%
16900 }%
16901 \let\@footnotetext=\scr@tmp@footnotetext
16902 \let\scr@tmp@footnotetext=\undefined
16903 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16904 \let\scr@tmp@LTRfootnotetext=\undefined
16905 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16906 \let\scr@tmp@RTLfootnotetext=\undefined
16907 \setcounter{footnote}{\@tempcntb}%
16908 \setcounter{mpfootnote}{\@tempcnta}%
16909 \else
16910 \sbox\@tempboxa{\hspace*{2\cap@width}}%
16911 \fi
16912 \begingroup%

```



```

16913 \setlength{\@tempdima}{\cap@width}%
16914 \ifdim \wd\@tempboxa >\@tempdima
16915 \hb@xt@\hsize{%
16916 \setbox\@tempboxa\vbox{\hsize=\cap@width
16917 \ifdofullc@p
16918 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16919 #1{\caplabelfont{#2\captionformat}}}}}%
16920 {#3\unskip\strut\par}}}%
16921 \else%
16922 \ifdim\cap@indent<\z@
16923 {\capfont{\strut\ignorespaces
16924 #1{\caplabelfont{#2\captionformat\par}}}%
16925 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16926 \else%
16927 \if@capbreak
16928 {\capfont{\strut\ignorespaces
16929 #1{\caplabelfont{#2\captionformat\par}}}%
16930 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16931 \else
16932 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16933 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16934 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
16935 \fi
16936 \fi
16937 \fi
16938 }%
16939 \setlength{\@tempdima}{\ht\@tempboxa}%
16940 \addtolength{\@tempdima}{\dp\@tempboxa}%
16941 \addtolength{\@tempdima}{-\ht\strutbox}%
16942 \ht\@tempboxa\ht\strutbox
16943 \dp\@tempboxa\@tempdima
16944 \strut\cap@left
16945 \box\@tempboxa
16946 \cap@right\strut
16947 }%
16948 \else
16949 \global \@minipagefalse
16950 \sbox\@tempboxa{%
16951 {\capfont{\scr@smashdp{\strut\ignorespaces
16952 #1{\caplabelfont{#2\captionformat}}}}}%
16953 #3}}%
16954 }%
16955 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right\strut}}%
16956 \fi
16957 \endgroup
16958 }
16959 \renewcommand{\@makecaption}[2]{%
16960 \if@captionabove
16961 \vskip\belowcaptionskip
16962 \else

```



```

16963 \vskip\abovecaptionskip
16964 \fi
16965 \@@makecaption\@firstofone{#1}{#2}%
16966 \if@captionabove
16967 \vskip\abovecaptionskip
16968 \else
16969 \vskip\belowcaptionskip
16970 \fi
16971 }
16972 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16973 \ifpackageloaded{caption2}{\@komalongtablefalse
16974 \scr@caption@before@longtable@warning{caption2}%
16975 }{}}%
16976 \if@komalongtable
16977 \renewcommand{\LT@makecaption}[3]{%
16978 \noalign{%
16979 \if@captionabove
16980 \vskip\belowcaptionskip
16981 \else
16982 \vskip\abovecaptionskip
16983 \fi
16984 }%
16985 \LT@mcol\LT@cols c{%
16986 \hbox to\z@{\hss\parbox[t]{\linewidth{%
16987 \@@makecaption{#1}{#2}{#3}%
16988 \endgraf
16989 \if@captionabove
16990 \vskip\abovecaptionskip
16991 \else
16992 \vskip\belowcaptionskip
16993 \fi
16994 }%
16995 \hss
16996 }%
16997 }%
16998 }%
16999 \renewcommand*{\scr@LT@array}{}%
17000 \let\scr@LT@array=\LT@array
17001 \renewcommand*{\LT@array}{%
17002 \let\scr@caption=\LT@caption
17003 \def\captionabove{\noalign{\global\@captionabovetrue}%
17004 \scr@caption}%
17005 \def\captionbelow{\noalign{\global\@captionabovefalse}%
17006 \scr@caption}%
17007 \if@tablecaptionabove
17008 \let\LT@caption=\captionabove
17009 \else
17010 \let\LT@caption=\captionbelow
17011 \fi
17012 \scr@LT@array

```



```

17013 }%
17014 \ClassInfo{\KOMAClassName}{%
17015     longtable captions redefined%
17016 }%
17017 \fi
17018 }

```

7.105 sidecap-xetex-bidi.def

```

17019 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for Xe
17020 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
17021     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {\#2}\hspace{\sidecaptionsep}{#1}}\else%
17022 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {\#1}\hspace{\sidecaptionsep}{#2}}\fi}
17023 \renewcommand*{\SC@justify@caption}{\if@RTL%
17024 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
17025     \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

7.106 soul-xetex-bidi.def

```

17026 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX en
17027 \long\def\SOUL@start#1{%
17028     \let\bidi@RTL@everypar\@empty
17029     \let\<\SOUL@lowerthan
17030     \let\>\empty
17031     \def\soulomit{\noexpand\soulomit}%
17032     \gdef\SOUL@eventuallyexhyphen##1{%
17033     \let\SOUL@soeventuallyskip\relax
17034     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@@\font
17035         \@minus\fontdimen4\font
17036     \SOUL@ignorespacesfalse
17037     \leavevmode
17038     \SOUL@preamble
17039     \SOUL@lasttoken={}%
17040     \SOUL@word={}%
17041     \SOUL@minus\z@
17042     \SOUL@comma\z@
17043     \SOUL@apo\z@
17044     \SOUL@grave\z@
17045     \SOUL@do{#1}%
17046     \SOUL@postamble
17047 }}
17048 \def\SOUL@underline#1{%
17049     \setbox\z@\hbox{#1}%
17050     \dimen@=\wd\z@
17051     \dimen@i=\SOUL@uloverlap
17052     \advance\dimen@2\dimen@i
17053     \if@RTL
17054     \unhcopy\z@
17055     \llap{%
17056         \null
17057         \kern-\dimen@i

```



```

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

```

7.107 stabular-xetex-bidi.def

```

17086 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for
17087 \def\@stabular{\if@RTL\@RTLtabtrue\fi
17088   \leavevmode \bgroup \if@RTLtab\beginR \fi
17089   \let\@acol\@tabacol
17090   \let\@classz\@tabclassz
17091   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
17092 \def\endstabular{\@crr\egroup\if@RTLtab\egroup\endR\egroup\fi
17093   \egroup \if@RTLtab\endR\fi\egroup
17094   \@RTLtabfalse}
17095 \expandafter \let \csname endstabular*\endcsname = \endstabular
17096 \def\@sarray[#1]#2{%
17097   \bgroup
17098   \setbox\@arstrutbox\hbox{%
17099     \vrule \@height\arraystretch\ht\strutbox
17100     \@depth\arraystretch \dp\strutbox
17101     \@width\z@}%
17102   \@mkpream{#2}%
17103   \edef\@preamble{%
17104     \ialign \noexpand\@halignto

```




```

17105 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17106 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17107 \let\tabularnewline\%
17108 \let\@sharp##%
17109 \set@typeset@protect
17110 \lineskip\z@skip\baselineskip\z@skip
17111 \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop \else \vbox \fi\bgroup\fi
17112 \@preamble}

```

7.108 subfigure-xetex-bidi.def

```

17113 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package f
17114 \AtBeginDocument{%
17115 \let\p@subfigure=\thefigure
17116 \let\p@subtable=\thetable%
17117 }

```

7.109 tabs-xetex-bidi.def

```

17118 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX
17119 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
17120 \@RTLtabfalse}
17121
17122 \expandafter\let\csname endtabular*\endcsname=\endtabular
17123
17124 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
17125 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
17126 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
17127
17128 \def\@array[#1]#2{% remember global variables to allow recursion:
17129 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
17130 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
17131 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
17132 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
17133 \else \let\@tarlinesep\tablinesep \fi
17134 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
17135 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
17136 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
17137 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
17138 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
17139 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
17140 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
17141 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
17142 \let\protect\noexpand
17143 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
17144 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
17145 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17146 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
17147 \bgroup \let\par\empty
17148 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
17149 \advance\extrarulesep.5\arrayrulewidth

```



```

17150 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
17151 \if@RTLtab\hbox\bgroup\beginR\if#1t\vtop \else \vbox \fi\bgroup\fi
17152 \@preamble}

```

7.110 tabularx-xetex-bidi.def

```

17153 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
17154 \def\TX@endtabularx{%
17155   \expandafter\expandafter\expandafter
17156     \TX@find@endtabularxa\csname end\TX@\endcsname
17157     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
17158   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}}%
17159   \let\verb\TX@verb
17160   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
17161   \edef\TX@ckpt{\cl@ckpt}%
17162   \let\@elt\relax
17163   \TX@old@table\maxdimen
17164   \TX@col@width\TX@target
17165   \global\TX@cols\@ne
17166   \TX@typeout@
17167     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
17168   \TX@trial{\def\NC@rewriteX{%
17169     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
17170   \loop
17171     \TX@arith
17172     \ifTX@
17173     \TX@trial{%
17174     \repeat
17175     {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
17176     \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
17177     \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
17178     \csname tabular*\expandafter\endcsname\expandafter\TX@target
17179     \the\toks@
17180     \csname endtabular*\endcsname}%
17181     \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
17182     \ifnum0=\@fi}%
17183     \expandafter\expandafter\expandafter
17184     \TX@find@endtabularxbb
17185     \expandafter\end\expandafter{\TX@}%
17186     \endtabularx\TX@\endtabularx\TX@find@endtabularxb
17187 }
17188
17189 \def\TX@trial#1{%
17190   \setbox\@tempboxa\hbox{%
17191     #1\relax
17192     \let\@footnotetext\TX@trial@ftn
17193     \let\@LTRfootnotetext\TX@trial@ftn
17194     \let\@RTLfootnotetext\TX@trial@ftn
17195     \let\TX@vwarn\@empty
17196     \expandafter\let\expandafter\tabularx\csname tabular*\endcsname

```




```

17244     \if \@nextchar J10 \else
17245     \z@ \@chclass
17246     \if \@nextchar | \@ne \else
17247     \if \@nextchar !6 \else
17248     \if \@nextchar @7 \else
17249     \if \@nextchar <8 \else
17250     \if \@nextchar >9 \else
17251     10
17252     \@chnum
17253     \if \@nextchar m\thr@@\else
17254     \if \@nextchar p4 \else
17255     \if \@nextchar b5 \else
17256     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
17257     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

7.112 tc-xetex-bidi.def

```

17258 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX e
17259 \def\@cliptoboxdim#1{%
17260     \setbox#1=\hbox{%
17261         \Gin@defaultbp\WIDTH{\wd#1}%
17262         \Gin@defaultbp\DEPTH{\dp#1}%
17263         \@tempdima\ht#1%
17264         \advance\@tempdima\dp#1%
17265         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
17266         \beginL\special{pdf:bcontent }%
17267         \special{%
17268             pdf:literal direct
17269             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
17270         }%
17271         \special{pdf:literal direct W }%
17272         \special{pdf:literal direct n }%
17273         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
17274         \special{pdf:econtent }\endL%
17275     }%
17276 }

```

7.113 titlesec-xetex-bidi.def

```

17277 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for
17278 \renewcommand\filright{%
17279     \gdef\ttl@filleft##1{\hskip##1}%
17280     \gdef\ttl@filright##1{\hfill}%
17281     \let\\\@centercr
17282     \advance\rightskip\z@ \@plus 1fil
17283     \parfillskip\z@}
17284 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
17285     \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
17286     \setlength\leftskip{#6}%
17287     \setlength\rightskip{#7}%
17288     \interlinepenalty\@M

```



```

17289 \ttl@changecentercr
17290 \ttl@beginlongest
17291 #1{\ifhmode\ttl@hmode@error\fi
17292 \ttl@glcmds
17293 \parindent\z@
17294 \leavevmode
17295 \begingroup
17296 \ifttl@label
17297 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
17298 \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
17299 \llap{\box\z@}%
17300 \fi
17301 #4{#8}%
17302 \kern\z@\strut\@par
17303 \endgroup
17304 \nobreak\ttl@midlongest#5\@par}%
17305 \ttl@endlongest}

```

7.114 titletoc-xetex-bidi.def

```

17306 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
17307 \renewcommand\filright{%
17308 \gdef\ttl@filleft##1{\hskip##1}%
17309 \gdef\ttl@filright##1{\hfill}%
17310 \let\\\@centercr
17311 \advance\rightskip\z@ \@plus 1fil
17312 \parfillskip\z@}
17313 \renewcommand\contentspush[1]{%
17314 \sbox\z@{#1}%
17315 \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
17316 \aftergroup\ttl@b
17317 \leavevmode\llap{\box\z@}}
17318 \def\ttl@outnoblock#1#2#3{%
17319 \begingroup
17320 \ifnum\ttl@b>\ttl@a
17321 \nobreak
17322 \else\ifnum\ttl@b<\ttl@a
17323 \addpenalty{\@secpenalty}%
17324 \else
17325 \addpenalty{\z@}%
17326 \fi\fi
17327 \ttl@contentsstretch
17328 \nobreak
17329 \ifcase#1\relax\else\interlinepenalty\M\fi
17330 \parindent\z@
17331 \ifx\@nil#2%
17332 \PackageError{titletoc}{Unimplemented}%
17333 {The optional argument is currently mandatory}%
17334 \else
17335 \if@RTL\setlength\rightskip{#2}\else

```



```

17336 \setlength\leftskip{#2}\fi%
17337 \fi
17338 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
17339 \let\contentsmargin\ttl@margin
17340 \def\ttl@makeline##1{##1}%
17341 #3%
17342 \addtolength{\parfillskip}{-\ttl@corr}%
17343 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
17344 \let\ttl@leaders\leaders}
17345 \renewcommand\ttl@margin[2][\z@]{%
17346 \def\ttl@corr{#1}%
17347 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
17348 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
17349 \def\@pnumwidth{#2}}
17350 \let\ttl@savel@part\l@part
17351 \def\l@part{\ttl@lselect{part}}
17352
17353 \let\ttl@savel@chapter\l@chapter
17354 \def\l@chapter{\ttl@lselect{chapter}}

```

7.115 tocibind-xetex-bidi.def

```

17355 \ProvidesFile{tocibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocibind package f
17356 \if@dotocbib
17357 \@ifpackageloaded{natbib}{\% natbib not loaded
17358 \renewcommand{\bibsection}{\tcb@bchapsec}
17359 \renewenvironment{thebibliography}[1]{%
17360 \bibsection
17361 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
17362 \renewenvironment{thebibitemlist}[1]{
17363 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17364 \list{\@biblabel{\@arabic{c@enumiv}}}%
17365 {\settowidth\labelwidth{\@biblabel{#1}}%
17366 \leftmargin\labelwidth
17367 \advance\leftmargin\labelsep
17368 \@openbib@code
17369 \usecounter{enumiv}%
17370 \let\p@enumiv\@empty
17371 \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
17372 \sloppy
17373 \clubpenalty4000
17374 \@clubpenalty \clubpenalty
17375 \widowpenalty4000%
17376 \sfcode`\.\@m}
17377 {\def\@noitemerr
17378 {\@latex@warning{Empty `thebibliography' environment}}}%
17379 \endlist}
17380
17381 \@ifpackagewith{chapterbib}{sectionbib}%
17382 {\renewcommand{\sectionbib}[2]{}%

```



```

17383 {}
17384
17385 \fi
17386 \if@inltxdoc\else
17387 \renewenvironment{theindex}%
17388 {\if@twocolumn
17389 \@restonecolfalse
17390 \else
17391 \@restonecoltrue
17392 \fi
17393 \if@bibchapter
17394 \if@donumindex
17395 \refstepcounter{chapter}
17396 \twocolumn[\vspace*{2\topskip}%
17397 \@makechapterhead{\indexname}}%
17398 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
17399 \chaptermark{\indexname}
17400 \else
17401 \if@dotocind
17402 \twocolumn[\vspace*{2\topskip}%
17403 \@makeschapterhead{\indexname}}%
17404 \prw@mkboth{\indexname}
17405 \addcontentsline{toc}{chapter}{\indexname}
17406 \else
17407 \twocolumn[\vspace*{2\topskip}%
17408 \@makeschapterhead{\indexname}}%
17409 \prw@mkboth{\indexname}
17410 \fi
17411 \fi
17412 \else
17413 \if@donumindex
17414 \twocolumn[\vspace*{-1.5\topskip}%
17415 \@nameuse{\@tocextra}{\indexname}}%
17416 \csname \@tocextra mark\endcsname{\indexname}
17417 \else
17418 \if@dotocind
17419 \twocolumn[\vspace*{-1.5\topskip}%
17420 \toc@headstar{\@tocextra}{\indexname}}%
17421 \prw@mkboth{\indexname}
17422 \addcontentsline{toc}{\@tocextra}{\indexname}
17423 \else
17424 \twocolumn[\vspace*{-1.5\topskip}%
17425 \toc@headstar{\@tocextra}{\indexname}}%
17426 \prw@mkboth{\indexname}
17427 \fi
17428 \fi
17429 \fi
17430 \thispagestyle{plain}\parindent\z@
17431 \parskip\z@ \@plus .3\p@ \relax
17432 \let\item\@idxitem}

```



```

17433   {\if@restonecol\onecolumn\else\clearpage\fi}
17434 \fi

```

7.116 tocloft-xetex-bidi.def

```

17435 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for Xe
17436 \let\cftdot\@SepMark
17437 \if@cfthaspart
17438 \renewcommand*{\l@part}[2]{
17439   \@cftdopartfalse
17440   \ifnum \c@tocdepth >-2\relax
17441     \if@cfthaschapter
17442       \@cftdoparttrue
17443     \fi
17444     \ifnum \c@tocdepth >\m@ne
17445       \if@cfthaschapter\else
17446         \@cftdoparttrue
17447       \fi
17448     \fi
17449   \fi
17450   \if@cftdopart
17451     \if@cfthaschapter
17452       \addpenalty{-\@highpenalty}
17453     \else
17454       \addpenalty\@secpenalty
17455     \fi
17456     \addvspace{\cftbeforepartskip}
17457     \begingroup
17458       {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
17459        \if@RTL\leftskip\else\righskip\fi \@tocrmarg
17460        \parfillskip -\if@RTL\leftskip\else\righskip\fi
17461        \parindent \cftpartindent\relax\@afterindenttrue
17462        \interlinepenalty\@M
17463        \leavevmode
17464        \@tempdima \cftpartnumwidth\relax
17465        \let\@cftbsnum \cftpartpresnum
17466        \let\@cftasnum \cftpartaftersnum
17467        \let\@cftasnumb \cftpartaftersnumb
17468        \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
17469        {\cftpartfont \cftpartpresnum #1}
17470        \cftpartfillnum{#2}}
17471     \nobreak
17472     \if@cfthaschapter
17473       \global\@nobreaktrue
17474       \everypar{\global\@nobreakfalse\everypar{}}
17475     \else
17476       \if@compatibility
17477         \global\@nobreaktrue
17478         \everypar{\global\@nobreakfalse\everypar{}}
17479       \fi

```




```

17480     \fi
17481     \endgroup
17482 \fi}
17483 \fi
17484 \if@cfthaschapter
17485 \renewcommand*{\l@chapter}[2]{
17486   \ifnum \c@tocdepth >\m@ne
17487     \addpenalty{-\@highpenalty}
17488     \vskip \cftbeforechapskip
17489     {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
17490     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
17491     \parfillskip -\if@RTL\leftskip\else\righskip\fi
17492     \parindent \cftchapindent\relax\@afterindenttrue
17493     \interlinepenalty\@M
17494     \leavevmode
17495     \@tempdima \cftchapnumwidth\relax
17496     \let\@cftbsnum \cftchappresnum
17497     \let\@cftasnum \cftchapaftersnum
17498     \let\@cftasnumb \cftchapaftersnumb
17499     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
17500     {\cftchapfont #1}\nobreak
17501     \cftchapfillnum{#2}}
17502 \fi}
17503 \fi
17504 \renewcommand*{\l@section}[2]{%
17505   \ifnum \c@tocdepth >\z@
17506     \if@cfthaschapter
17507       \vskip \cftbeforesecskip
17508     \else
17509       \addpenalty\@secpenalty
17510       \addvspace{\cftbeforesecskip}
17511     \fi
17512     {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
17513     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
17514     \parfillskip -\if@RTL\leftskip\else\righskip\fi
17515     \parindent \cftsecindent\relax\@afterindenttrue
17516     \interlinepenalty\@M
17517     \leavevmode
17518     \@tempdima \cftsecnumwidth\relax
17519     \let\@cftbsnum \cftsecpresnum
17520     \let\@cftasnum \cftsecaftersnum
17521     \let\@cftasnumb \cftsecaftersnumb
17522     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
17523     {\cftsecfont #1}\nobreak
17524     \cftsecfillnum{#2}}
17525 \fi}
17526 \renewcommand*{\l@subsection}[2]{%
17527   \ifnum \c@tocdepth >\@ne
17528     \vskip \cftbeforesubsecskip
17529     {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax

```



```

17530 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17531 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17532 \parindent \cftsubsecindent\relax\@afterindenttrue
17533 \interlinepenalty\@M
17534 \leavevmode
17535 \@tempdima \cftsubsecnumwidth\relax
17536 \let\@cftbsnum \cftsubsecpresnum
17537 \let\@cftasnum \cftsubsecaftersnum
17538 \let\@cftasnumb \cftsubsecaftersnumb
17539 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
17540 {\cftsubsecfont #1}\nobreak
17541 \cftsubsecfillnum{#2}}
17542 \fi}
17543 \renewcommand*{\l@subsubsection}[2]{%
17544 \ifnum \c@tocdepth >\tw@
17545 \vskip \cftbeforesubsubsecskip
17546 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
17547 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17548 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17549 \parindent \cftsubsubsecindent\relax\@afterindenttrue
17550 \interlinepenalty\@M
17551 \leavevmode
17552 \@tempdima \cftsubsubsecnumwidth\relax
17553 \let\@cftbsnum \cftsubsubsecpresnum
17554 \let\@cftasnum \cftsubsubsecaftersnum
17555 \let\@cftasnumb \cftsubsubsecaftersnumb
17556 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
17557 {\cftsubsubsecfont #1}\nobreak
17558 \cftsubsubsecfillnum{#2}}
17559 \fi}
17560 \renewcommand*{\l@paragraph}[2]{%
17561 \ifnum \c@tocdepth >3\relax
17562 \vskip \cftbeforeparaskip
17563 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
17564 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17565 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17566 \parindent \cftparaindent\relax\@afterindenttrue
17567 \interlinepenalty\@M
17568 \leavevmode
17569 \@tempdima \cftparanumwidth\relax
17570 \let\@cftbsnum \cftparapresnum
17571 \let\@cftasnum \cftparaaftersnum
17572 \let\@cftasnumb \cftparaaftersnumb
17573 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
17574 {\cftparafont #1}\nobreak
17575 \cftparafillnum{#2}}
17576 \fi}
17577 \renewcommand*{\l@subparagraph}[2]{%
17578 \ifnum \c@tocdepth >4\relax
17579 \vskip \cftbeforesubparaskip

```



```

17580 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubparaindent\relax
17581 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17582 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17583 \parindent \cftsubparaindent\relax\@afterindenttrue
17584 \interlinepenalty\@M
17585 \leavevmode
17586 \@tempdima \cftsubparanumwidth\relax
17587 \let\@cftbsnum \cftsubparapresnum
17588 \let\@cftasnum \cftsubparaaftersnum
17589 \let\@cftasnumb \cftsubparaaftersnumb
17590 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip\fi
17591 {\cftsubparafont #1}\nobreak
17592 \cftsubparafillnum{#2}}
17593 \fi}
17594 \renewcommand*{\l@figure}[2]{%
17595 \ifnum \c@l@ofdepth >\z@
17596 \vskip \cftbeforefigskip
17597 {\if@RTL\rightrightskip\else\leftskip\fi \cftfigindent\relax
17598 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17599 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17600 \parindent \cftfigindent\relax\@afterindenttrue
17601 \interlinepenalty\@M
17602 \leavevmode
17603 \@tempdima \cftfignumwidth\relax
17604 \let\@cftbsnum \cftfigpresnum
17605 \let\@cftasnum \cftfigaftersnum
17606 \let\@cftasnumb \cftfigaftersnumb
17607 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip\fi
17608 {\cftfigfont #1}\nobreak
17609 \cftfigfillnum{#2}}
17610 \fi
17611 }
17612 \renewcommand*{\l@table}[2]{%
17613 \ifnum \c@l@otdepth >\z@
17614 \vskip \cftbeforetabskip
17615 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
17616 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17617 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17618 \parindent \cfttabindent\relax\@afterindenttrue
17619 \interlinepenalty\@M
17620 \leavevmode
17621 \@tempdima \cfttabnumwidth\relax
17622 \let\@cftbsnum \cfttabpresnum
17623 \let\@cftasnum \cfttabaftersnum
17624 \let\@cftasnumb \cfttabaftersnumb
17625 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip\fi
17626 {\cfttabfont #1}\nobreak
17627 \cfttabfillnum{#2}}
17628 \fi
17629 }

```



```

17630 \renewcommand{\@cftl@subfig}{
17631 \renewcommand*{\l@subfigure}[2]{%
17632   \ifnum \c@lofdepth > \toclevel@subfigure
17633     \vskip \cftbeforesubfigskip
17634     {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
17635     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17636     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17637     \parindent \cftsubfigindent\relax\@afterindenttrue
17638     \interlinepenalty\@M
17639     \leavevmode
17640     \@tempdima \cftsubfignumwidth\relax
17641     \let\@cftbsnum \cftsubfigpresnum
17642     \let\@cftasnum \cftsubfigaftersnum
17643     \let\@cftasnumb \cftsubfigaftersnumb
17644     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
17645     {\cftsubfigfont ##1}\nobreak
17646     \cftsubfigfillnum{##2}}
17647   \fi
17648 }
17649 }
17650 \renewcommand{\@cftl@subtab}{
17651 \renewcommand*{\l@subtable}[2]{%
17652   \ifnum \c@lotdepth > \toclevel@subtable
17653     \vskip \cftbeforesubtabskip
17654     {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
17655     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17656     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17657     \parindent \cftsubtabindent\relax\@afterindenttrue
17658     \interlinepenalty\@M
17659     \leavevmode
17660     \@tempdima \cftsubtabnumwidth\relax
17661     \let\@cftbsnum \cftsubtabpresnum
17662     \let\@cftasnum \cftsubtabaftersnum
17663     \let\@cftasnumb \cftsubtabaftersnumb
17664     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
17665     {\cftsubtabfont ##1}\nobreak
17666     \cftsubtabfillnum{##2}}
17667   \fi
17668 }
17669 }
17670 \renewcommand{\newlistentry}[4][\@empty]{%
17671   \@ifundefined{c@#2}{%      check & set the counter
17672     \ifx \@empty#1\relax
17673       \newcounter{#2}
17674     }
17675     \else
17676       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
17677         {#1 has no counter for use as a `within'}}
17678       \newcounter{#2}}%
17679       {\newcounter{#2}[#1}%
17680       \expandafter\edef\csname the#2\endcsname{%

```



```

17680     \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}
17681     \fi
17682     \setcounter{#2}{0}
17683 }
17684 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
17685
17686 \@namedef{l@#2}##1##2{%
17687     \ifnum \@nameuse{c@#3depth} > #4\relax
17688         \vskip \@nameuse{cftbefore#2skip}
17689         {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
17690         \if@RTL\leftskip\else\righskip\fi \@tocrmarg
17691         \parfillskip -\if@RTL\leftskip\else\righskip\fi
17692         \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
17693         \interlinepenalty\@M
17694         \leavevmode
17695         \@tempdima \@nameuse{cft#2numwidth}\relax
17696         \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
17697         \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
17698         \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
17699         \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righskip
17700         {\@nameuse{cft#2font}}##1\nobreak
17701         \@nameuse{cft#2fillnum}{##2}}
17702     \fi
17703 } % end of l@#2
17704
17705 \expandafter\newlength\csname cftbefore#2skip\endcsname
17706 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
17707 \expandafter\newlength\csname cft#2indent\endcsname
17708 \expandafter\newlength\csname cft#2numwidth\endcsname
17709 \ifcase #4\relax % 0
17710     \setlength{\@nameuse{cft#2indent}}{0em}
17711     \setlength{\@nameuse{cft#2numwidth}}{1.5em}
17712 \or % 1
17713     \setlength{\@nameuse{cft#2indent}}{1.5em}
17714     \setlength{\@nameuse{cft#2numwidth}}{2.3em}
17715 \or % 2
17716     \setlength{\@nameuse{cft#2indent}}{3.8em}
17717     \setlength{\@nameuse{cft#2numwidth}}{3.2em}
17718 \or % 3
17719     \setlength{\@nameuse{cft#2indent}}{7.0em}
17720     \setlength{\@nameuse{cft#2numwidth}}{4.1em}
17721 \else % anything else
17722     \setlength{\@nameuse{cft#2indent}}{10.0em}
17723     \setlength{\@nameuse{cft#2numwidth}}{5.0em}
17724 \fi
17725 \@namedef{cft#2font}{\normalfont}
17726 \@namedef{cft#2presnum}{}
17727 \@namedef{cft#2aftersnum}{}
17728 \@namedef{cft#2aftersnumb}{}
17729 \@namedef{cft#2dotsep}{\cftdotsep}

```



```

17730 \namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
17731 \namedef{cft#2pagefont}{\normalfont}
17732 \namedef{cft#2afterpnum}{\}
17733 \namedef{toclevel@#2}{#4}
17734 \namedef{cft#2fillnum}##1{%
17735   {\@nameuse{cft#2leader}}\nobreak
17736   \hb@xt@{\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}}\par}
17737 } % end \newlistentry
17738 \renewcommand{cftchapterprecistoc}[1]{\addtocontents{toc}{%
17739   {\ifRTL\righskip\else\leftskip\fi \cftchapindent\relax
17740   \advance\ifRTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
17741   \ifRTL\leftskip\else\righskip\fi \@tocrmarg\relax
17742   \textit{#1}\protect\par}}}

```

7.117 tocbasic-xetex-bidi.def

```

17743 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/11 v0.1 bidi adaptations for tocbasic package for
17744 \bidi@patchcmd{\scr@dte@def@1@undottedtocline}
17745 {\leftskip}{\bidi@leftskip}
17746 {}{}
17747 \bidi@patchcmd{\scr@dte@def@1@undottedtocline}
17748 {\leftskip}{\bidi@leftskip}
17749 {}{}
17750 \bidi@patchcmd{\scr@dte@def@1@undottedtocline}
17751 {\leftskip}{\bidi@leftskip}
17752 {}{}
17753
17754 \bidi@patchcmd{\scr@dte@def@1@undottedtocline}
17755 {\rightskip}{\bidi@rightskip}
17756 {}{}
17757
17758 \bidi@patchcmd{\scr@dte@def@1@largetocline}
17759 {\leftskip}{\bidi@leftskip}
17760 {}{}
17761
17762 \bidi@patchcmd{\scr@dte@def@1@largetocline}
17763 {\rightskip}{\bidi@rightskip}
17764 {}{}
17765
17766 \bidi@patchcmd{\scr@dte@tocline}
17767 {\leftskip}{\bidi@leftskip}
17768 {}{}
17769 \bidi@patchcmd{\scr@dte@tocline}
17770 {\leftskip}{\bidi@leftskip}
17771 {}{}
17772 \bidi@patchcmd{\scr@dte@tocline}
17773 {\leftskip}{\bidi@leftskip}
17774 {}{}
17775 \bidi@patchcmd{\scr@dte@tocline}
17776 {\leftskip}{\bidi@leftskip}

```



```

17777 {}{}
17778
17779 \bidi@patchcmd{\scr@dte@tocline}
17780 {\rightskip}{\bidi@rightskip}
17781 {}{}
17782 \bidi@patchcmd{\scr@dte@tocline}
17783 {\rightskip}{\bidi@rightskip}
17784 {}{}
17785 \bidi@patchcmd{\scr@dte@tocline}
17786 {\rightskip}{\bidi@rightskip}
17787 {}{}
17788 \bidi@patchcmd{\scr@dte@tocline}
17789 {\rightskip}{\bidi@rightskip}
17790 {}{}
17791 \bidi@patchcmd{\scr@dte@tocline}
17792 {\rightskip}{\bidi@rightskip}
17793 {}{}

```

7.118 tocstyle-xetex-bidi.def

```

17794 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for
17795 \renewcommand*{\tocstyle@dottedtocline}[5]{%
17796   \let\numberline\tocstyle@numberline
17797   \ifnum #1>\c@tocdepth \else
17798     \if@tocstyle@penalties
17799       \begingroup
17800         \@tempcnta 20010
17801         \advance \@tempcnta by -#1
17802         \ifnum \@tempcnta>\lastpenalty
17803           \aftergroup\penalty\aftergroup\@lowpenalty
17804         \fi
17805       \endgroup
17806     \fi
17807     \edef\tocstyle@depth{#1}%
17808     \tocstyle@activate@features
17809     \ifx\tocstyle@feature@entryvskip\relax
17810       \vskip \z@ \@plus.2\p@
17811     \else
17812       \addvspace{\tocstyle@feature@entryvskip}%
17813     \fi
17814     {%
17815     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
17816       \tocstyle@feature@raggedhook
17817       \@tempdima #3\relax
17818       \@tempdimb #2\relax
17819       \typeout{m (\tocstyleTOC, \tocstyle@depth): \the\@tempdima}%
17820       \ifnum #1>\z@\relax
17821         \@tempcnta #1\relax \advance\@tempcnta \m@ne
17822       \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17823         \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname

```



```

17824         \@tempdimb
17825         \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17826         \advance\@tempdimb
17827         \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17828         \fi
17829     \fi
17830 \fi
17831 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17832 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
17833     \ifdim \@tempdimb>
17834         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
17835         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
17836             @#1\endcsname{\the\@tempdimb}%
17837     \fi
17838 \else
17839     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
17840         @#1\endcsname{\the\@tempdimb}%
17841 \fi
17842 \iftocstyle@autolength
17843     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
17844     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
17845     \relax
17846 \fi
17847     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
17848     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
17849     \relax
17850 \fi
17851     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
17852     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17853 \else
17854     \@tempdimb #2\relax
17855     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17856 \fi
17857 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
17858     \ifdim \@tempdima>
17859     \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
17860     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
17861         @\endcsname{\the\@tempdima}%
17862     \fi
17863 \else
17864     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
17865         @\endcsname{\the\@tempdima}%
17866 \fi
17867 \ifcase\tocstyle@indentstyle\relax\else
17868     \@tempdimb \z@
17869     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
17870     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
17871     \relax
17872 \fi
17873     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%

```




```

17874     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17875     \fi
17876     \advance\parindent \@tempdimb\@afterindenttrue
17877     \advance\if@RTL\rightskip\else\leftskip\fi \parindent
17878     \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
17879     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17880     \ifx\tocstyle@feature@parfillskip\relax\else
17881       \advance\parfillskip \tocstyle@feature@parfillskip\relax
17882     \fi
17883     \interlinepenalty\@M
17884     \leavevmode
17885     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
17886     \null\nobreak
17887     \iftocstyle@indentnotnumbered\else
17888       \hskip -\if@RTL\rightskip\else\leftskip\fi
17889     \fi
17890     \tocstyle@feature@entryhook
17891     {#4}\nobreak
17892     \ifx\tocstyle@feature@leaders\relax
17893       \leaders\hbox{$\m@th
17894         \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
17895         \mkern \@dotsep mu$}\hfill
17896     \else
17897       \tocstyle@feature@leaders
17898     \fi
17899     \nobreak
17900     \ifx\tocstyle@feature@pagenumberbox\relax
17901       \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
17902     \else
17903       \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
17904     \fi
17905     \par
17906   }%
17907   \if\tocstyle@penalties
17908     \bgroup
17909     \@tempcnta 20009
17910     \advance\@tempcnta by -#1
17911     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
17912     \reserved@a
17913   \fi
17914 \fi}
17915 \renewcommand*{\tocstyle@numberline}[1]{%
17916 \beginingroup
17917   \ifx\tocstyle@feature@spaceafternumber\relax
17918     \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
17919   \else
17920     \settowidth\@tempdima{\tocstyle@numberline{#1}}%
17921     \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
17922   \fi
17923   \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname

```



```

17924 \ifdim \@tempdima >
17925 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
17926 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
17927 @\tocstyledepth\endcsname{\the\@tempdima}%
17928 \fi
17929 \else
17930 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
17931 @\tocstyledepth\endcsname{\the\@tempdima}%
17932 \fi
17933 \endgroup
17934 \iftocstyle@indentnotnumbered
17935 \hskip -\if@RTL\rightskip\else\leftskip\fi
17936 \fi
17937 \ifcase \tocstyle@indentstyle
17938 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
17939 \or
17940 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
17941 \else
17942 \ifx\tocstyle@feature@spaceafternumber\relax
17943 \hbox{\tocstyle@@numberline{#1}\enskip}%
17944 \else
17945 \hbox{\tocstyle@@numberline{#1}\hskip
17946 \tocstyle@feature@spaceafternumber\relax}%
17947 \fi
17948 \fi
17949 }
17950 \AtBeginDocument{%
17951 \ifcsname l@part\endcsname
17952 \ifcsname l@chapter\endcsname
17953 \setbox\@tempboxa\vbox{\hsize\maxdimen
17954 \l@part{\tocstyle@l@define{part}{-1}}{}}%
17955 \else
17956 \setbox\@tempboxa\vbox{\hsize\maxdimen
17957 \l@part{\tocstyle@l@define{part}{0}}{}}%
17958 \fi
17959 \fi
17960 \ifcsname l@chapter\endcsname
17961 \setbox\@tempboxa\vbox{\hsize\maxdimen
17962 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
17963 \fi
17964 \ifcsname l@section\endcsname
17965 \setbox\@tempboxa\vbox{\hsize\maxdimen
17966 \l@section{\tocstyle@l@define{section}{1}}{}}%
17967 \fi
17968 \ifcsname l@subsection\endcsname
17969 \setbox\@tempboxa\vbox{\hsize\maxdimen
17970 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
17971 \fi
17972 \ifcsname l@subsubsection\endcsname
17973 \setbox\@tempboxa\vbox{\hsize\maxdimen

```



```

17974      \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
17975      \fi
17976      \ifcsname l@paragraph\endcsname
17977        \setbox\@tempboxa\vbox{\hsize\maxdimen
17978          \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
17979      \fi
17980      \ifcsname l@subparagraph\endcsname
17981        \setbox\@tempboxa\vbox{\hsize\maxdimen
17982          \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
17983      \fi
17984      \ifcsname l@table\endcsname
17985        \setbox\@tempboxa\vbox{\hsize\maxdimen
17986          \l@table{\tocstyle@l@define{table}{1}}{}}%
17987      \fi
17988      \ifcsname l@figure\endcsname
17989        \setbox\@tempboxa\vbox{\hsize\maxdimen
17990          \l@figure{\tocstyle@l@define{figure}{1}}{}}%
17991      \fi
17992      \def\@tempa#1#2#3#4#5{%
17993        \ifnum #1>\c@tocdepth \else
17994          \vskip \z@ \@plus.2\p@
17995          {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17996            \parindent #2\relax\@afterindenttrue
17997            \interlinepenalty\@M
17998            \leavevmode
17999            \@tempdima #3\relax
18000            \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
18001              {#4}\nobreak
18002            \leaders\hbox{$\m@th
18003              \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
18004              mu$}\hfill
18005            \nobreak
18006            \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
18007            \par}%
18008      \fi}%
18009      \ifx\@dottedtocline\@tempa\else
18010        \tocstyle@macrochangewarning\@dottedtocline
18011      \fi
18012      \let\tocstyle@saved@dottedtocline\@dottedtocline
18013      \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
18014      \ifx\numberline\@tempa\else
18015        \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
18016        \ifx\numberline\@tempa\else
18017          \tocstyle@macrochangewarning\numberline
18018        \fi
18019      \fi
18020      \let\tocstyle@saved@numberline\numberline
18021    }
18022    \renewcommand*{\tocstyle@l@define}[2]{%
18023      \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima

```



```

18024 \edef\@tempa{%
18025   \noexpand\global\noexpand\let
18026   \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
18027   \expandafter\noexpand\csname l@#1\endcsname
18028   \noexpand\gdef
18029   \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
18030     \noexpand\@dottedtocline{#2}{\the\ifRTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
18031     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@#1{%
18032       \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
18033       \expandafter\noexpand\csname tocstyle@l@#1\endcsname
18034     }%
18035   }%
18036   \PackageInfo{tocstyle}{prepare \expandafter\string
18037     \csname l@#1\endcsname\space for redefinition}%
18038   \@tempa
18039 }

```

7.119 todonotes-xetex-bidi.def

```

18040 \ProvidesFile{todonotes-xetex-bidi.def}[2015/06/17 v0.3 bidi adaptations for todonotes package f
18041 \newif\if@bidi@todonotes@textdirection@RTL
18042 \newif\if@bidi@todonotes@figposition@right
18043 \newcommand{\@bidi@todonotes@align}{}%
18044 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
18045 \newcommand{\@bidi@todonotes@textdirection}{}%
18046 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,le
18047   \ifcase\@bidi@todonotes@tempb\relax
18048     \@bidi@todonotes@textdirection@RTLtrue
18049     \let\@bidi@todonotes@textdirection\RLE
18050   \or
18051     \@bidi@todonotes@textdirection@RTLfalse
18052     \let\@bidi@todonotes@textdirection\LRE
18053   \fi}
18054 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,le
18055   \ifcase\@bidi@todonotes@tempb\relax
18056     \@bidi@todonotes@figposition@righttrue
18057   \or
18058     \@bidi@todonotes@figposition@rightfalse
18059   \fi}
18060 \if@todonotes@disabled%
18061 \else % \if@todonotes@disabled
18062 \renewcommand{\@todonotes@drawInlineNote}{%
18063   \if@todonotes@dviStyle%
18064     {\par\noindent\begin{tikzpicture}[remember picture]%
18065       \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
18066     \if@todonotes@authorgiven%
18067       {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
18068     \else%
18069       {\noindent \@todonotes@sizecommand \@todonotes@text}%
18070     \fi

```



```

18071         {\par\noindent\begin{tikzpicture}[remember picture]%
18072             \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
18073     \else%
18074         {\par\noindent\begin{tikzpicture}[remember picture]%
18075             \if@bidi@todonotes@textdirection@RTL\else\setLTR\fi%
18076             \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{%
18077                 \if@todonotes@authorgiven%
18078                     {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
18079                 \else%
18080                     {\noindent \@todonotes@sizecommand \@todonotes@text}%
18081                 \fi};%
18082             \end{tikzpicture}\par}%
18083     \fi}%
18084 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
18085 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
18086     \node [coordinate] (inText) {};%
18087 \end{tikzpicture}%
18088 \marginpar[{\% Draw note in left margin
18089     \@todonotes@drawMarginNote%
18090     \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
18091 }]{\% Draw note in right margin
18092     \@todonotes@drawMarginNote%
18093     \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
18094 }%
18095 }%
18096 \renewcommand{\@todonotes@drawMarginNote}{%
18097 \if@todonotes@dviStyle%
18098     \begin{tikzpicture}[remember picture]%
18099         \draw node[notestyle] {};%
18100     \end{tikzpicture}\\%
18101     \begin{minipage}{\@todonotes@textwidth}%
18102         \if@todonotes@authorgiven%
18103             \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
18104         \else%
18105             \@todonotes@sizecommand \@todonotes@text%
18106         \fi%
18107     \end{minipage}\\%
18108     \begin{tikzpicture}[remember picture]%
18109         \draw node[notestyle] (inNote) {};%
18110     \end{tikzpicture}%
18111 \else%
18112     \let\originalHbadness\hbadness%
18113     \hbadness 100000%
18114     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
18115         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
18116         \node(X){\vphantom{X}};%
18117         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{%
18118             {\@todonotes@text}};%
18119         \if@todonotes@authorgiven%
18120             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{%

```



```

18121         {\@todonotes@sizecommand\@todonotes@author}};%
18122         \node(Y)[below=of X]{};%
18123         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
18124             {\@todonotes@text}};%
18125         \else%
18126         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
18127             {\@todonotes@text}};%
18128         \fi%
18129     \end{tikzpicture}%
18130     \hbadness \originalHbadness%
18131 \fi}%
18132 \renewcommand{\missingfigure}[2][]{%
18133 \setkeys{todonotes}{#1}%
18134 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
18135 \par
18136 \noindent
18137 \begin{tikzpicture}
18138 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
18139     (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
18140 \if@bidi@todonotes@figposition@right%
18141 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
18142 \fi%
18143 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
18144     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
18145 \if@bidi@todonotes@figposition@right%
18146 \end{scope}
18147 \begin{scope}[xshift=-3.8cm]
18148 \fi%
18149 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
18150 \draw (2, -0.3) node[right, text
18151     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
18152 \if@bidi@todonotes@figposition@right%
18153 \end{scope}
18154 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
18155 \fi%
18156 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@M
18157 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
18158 \if@bidi@todonotes@figposition@right%
18159 \end{scope}
18160 \fi%
18161 \end{tikzpicture}}\hfill
18162 }% Ending \missingfigure command
18163 \fi % Ending \@todonotes@ifdisabled
18164 \presetkeys%
18165     {todonotes}%
18166     {align=left,%
18167     textdirection=lefttoright,%
18168     figposition=left}{}%

```



7.120 wrapfig-xetex-bidi.def

```

18169 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for Xe
18170 \let\WF@@everypar\ bidi@n@everypar
18171 \def\WF@putfigmaybe{%
18172 \ifinner
18173 \vskip-\parskip \global\WF@floatfalse
18174 \let\pagetotal\maxdimen % kludge flag for "not top of page"
18175 \else % outer page
18176 \@tempdima\pagedepth % save page depth
18177 {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up t
18178 \penalty\interlinepenalty % update pg. parameters
18179 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
18180 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
18181 \global\WF@floatfalse
18182 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
18183 \else
18184 \ifdim\WF@size>\@tempdimb
18185 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
18186 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
18187 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
18188 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
18189 \advance\dimen@.5\baselineskip
18190 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
18191 \global\WF@floatfalse \pagebreak
18192 \fi
18193 \else % \WF@info{Fits in \the\@tempdimb;}%
18194 \global\WF@floatfalse
18195 \fi\fi
18196 \vskip\@tempdima\relax % (return erased page depth)
18197 \fi
18198 \noindent
18199 \ifWF@float
18200 \WF@fltmes
18201 \else % putting here;
18202 \WF@info{Put \WF@wfname here;}%
18203 {\ifodd\if@twoside\c@page\else\one\fi % assign l/r to i/o placement
18204 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
18205 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
18206 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
18207 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
18208 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
18209 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
18210 \xdef\WF@adjlw{\the\@tempdima}%
18211 \ifnum `l=\WF@place % fig on left
18212 \ifRTL%
18213 \kern\@tempdimb \kern\columnsep
18214 \def\@tempa{\hss}% position to left of the gap
18215 \else%
18216 \hss % figure overlaps space to the left

```



```

18217 \def\@tempa{\kern\columnsep}% position to left of the gap
18218 \fi%
18219 \else % fig on right
18220 \if@RTL%
18221 \hss
18222 \@tempdima\z@
18223 \def\@tempa{\kern\columnsep}
18224 \else%
18225 \@tempdima\z@ % no left indentation
18226 \kern\@tempdima \kern\columnsep
18227 \def\@tempa{\hss}% figure overlaps space to the right
18228 \fi%
18229 \fi
18230 \ifdim\@tempdima<\hsize
18231 \xdef\WF@wrapil{\the\@tempdima \the\@tempdima}% indentation and length
18232 \xdef\WF@adjtlm{\the\@tempdima}%
18233 \else
18234 \xdef\WF@wrapil{\z@ \the\hsize}%
18235 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
18236 \fi
18237 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
18238 \global\advance\WF@size-\intextsep
18239 \else % \WF@info{Putting \WF@wfname in middle of page}%
18240 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
18241 \fi \dp\WF@box\z@ \box\WF@box \@tempa
18242 }% end \hbox to Opt
18243 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
18244 \fi}

```

7.121 xcolor-xetex-bidi.def

```

18245 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT
18246 \long\def\color@b@x#1#2#3%
18247 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
18248 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
18249 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
18250 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
18251 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
18252 \def\normalcolor{\let\currentcolor\defaultcolor\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi}
18253 \DeclareRobustCommand\color
18254 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[@\undeclaredcolor\declaredcolor]
18255 \def\@undeclaredcolor[#1]#2%
18256 {\begingroup
18257 \let\@cls\@empty
18258 \XC@getmodclr12{#1}{#2}{}%
18259 {\ifblendcolors
18260 \ifx\colorblend\@empty\else
18261 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
18262 \XC@coremodel\@mod\@clr\@xcolor@{}}\@mod\@clr
18263 \fi

```




```

18264 \fi
18265 \ifconvertcolorsU
18266 \edef\@tmp{\XC@tgt@mod{\@mod}}%
18267 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
18268 \fi
18269 \ifmaskcolors
18270 \convertcolorspec\@mod\@clr\XC@mmod\@clr
18271 \let\@mod\XC@mmod
18272 \XC@inflate\@mod\XC@mclr\@clr\@tmp
18273 \expandafter\XC@mul\@tmp,\@clr
18274 \fi
18275 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
18276 \expandafter\endgroup\@tmp}}
18277 \def\@declaredcolor#1%
18278 {\XC@edef\XC@tmp{#1}\XC@tstfalse
18279 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
18280 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
18281 \ifconvertcolorsU\XC@tsttrue\fi
18282 \fi
18283 \ifXC@tst
18284 \expandafter\XC@declaredcolor\else
18285 \expandafter\XC@declaredcolor\fi}
18286 \def\XC@undeclaredcolor#1#2%
18287 {\@ifundefinedmodel{#1}%
18288 {\c@lor@error{model `#1'}}%
18289 {\@nameuse{color@#1}\current@color{#2}%
18290 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
18291 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
18292 \def\XC@declaredcolor
18293 {\XC@let\Nc\XC@current@color{\string\color\@XC@tmp}%
18294 \edef\current@color{\XC@current@color}%
18295 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
18296 \DeclareRobustCommand\bidicolor
18297 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
18298 \def\@bidiundeclaredcolor[#1]#2%
18299 {\begingroup
18300 \let\@cls\@empty
18301 \XC@getmodclr12{#1}{#2}{}%
18302 {\ifblendcolors
18303 \ifx\colorblend\@empty\else
18304 \edef\@mix{\expandafter@gobble\colorblend}\@tempwafalse
18305 \XC@coremodel\@mod\@clr\@xcolor@{\}\@mod\@clr
18306 \fi
18307 \fi
18308 \ifconvertcolorsU
18309 \edef\@tmp{\XC@tgt@mod{\@mod}}%
18310 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
18311 \fi
18312 \ifmaskcolors
18313 \convertcolorspec\@mod\@clr\XC@mmod\@clr

```



```

18314 \let\@mod\XC@mod
18315 \XC@inflate\@mod\XC@mclr\@clr\@tmp
18316 \expandafter\XC@mul\@tmp,\@clr
18317 \fi
18318 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
18319 \expandafter\endgroup\@tmp}}
18320 \def\XC@bidiundeclaredcolor#1#2%
18321 {\@ifundefinedmodel{#1}%
18322 {\color@error{model `#1'}}%
18323 {\@nameuse{color@#1}\current@color{#2}}%
18324 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
18325 \XC@display}}
18326 \def\@bidideclaredcolor#1%
18327 {\XC@edef\XC@tmp{#1}\XC@tstfalse
18328 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
18329 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
18330 \ifconvertcolorsU\XC@tsttrue\fi
18331 \fi
18332 \ifXC@tst
18333 \expandafter\XC@bidideclaredcolor\else
18334 \expandafter\XC@bidideclaredcolor\fi}
18335 \def\XC@bidideclaredcolor
18336 {\XC@split\XC@tmp
18337 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
18338 \expandafter\endgroup\@tmp}
18339 \def\XC@bidideclaredcolor
18340 {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
18341 \edef\current@color{\XC@current@color}%
18342 \XC@display}
18343 \def\color@box#1#2{\color@box\relax{\bidicolor#1{#2}}}
18344 \def\color@fbbox#1#2#3{\protect\color@fbbox{#1}{#2}{#3}}
18345 \def\color@fbbox#1#2#3#4%
18346 {\color@box{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
18347 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
18348 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\setcolor\ifhmode

```

7.122 latex-xetex-bidi.def

```

18349 \ProvidesFile{latex-xetex-bidi.def}[2016/09/11 v1.2.8 bidi adaptations for `latex.ltx' for XeTeX]
18350 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
18351 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
18352 \TeXXeTOn
18353 \def\bidi@RTL@everypar{\setbox\z@lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
18354 \let\bidi@o@everypar=\everypar
18355 \newtoks\bidi@n@everypar
18356 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
18357 \bidi@o@everypar\bidi@RTL@everypar\the\bidi@n@everypar}
18358 \let\everypar=\bidi@n@everypar
18359 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
18360 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}

```



```

18361 \protected\def\hboxR{\hbox\bgroup
18362 \everyhbox{%
18363 \aftergroup\egroup
18364 \everyhbox{}}%
18365 \beginR
18366 \bgroup
18367 \aftergroup\endR
18368 \aftergroup\egroup
18369 }\hbox}
18370 \protected\def\hboxL{\hbox\bgroup
18371 \everyhbox{%
18372 \aftergroup\egroup
18373 \everyhbox{}}%
18374 \beginL
18375 \bgroup
18376 \aftergroup\endL
18377 \aftergroup\egroup
18378 }\hbox}
18379 \protected\def\vboxR{\vbox\bgroup
18380 \everyvbox{%
18381 \aftergroup\egroup
18382 \everyvbox{}}%
18383 \@RTLtrue
18384 \bgroup
18385 \aftergroup\egroup
18386 }\vbox}
18387 \protected\def\vboxL{\vbox\bgroup
18388 \everyvbox{%
18389 \aftergroup\egroup
18390 \everyvbox{}}%
18391 \@RTLfalse
18392 \bgroup
18393 \aftergroup\egroup
18394 }\vbox}
18395 \newcommand*{\bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}
18396 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
18397 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
18398 \def\endLTR{\par}
18399 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
18400 \def\endRTL{\par}
18401 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
18402 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
18403 \let\unsetRTL=\setLTR
18404 \let\unsetLTR=\setRTL
18405 \let\LR=\LRE
18406 \let\RL=\RLE
18407 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
18408 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
18409 \let\@ensure@RL=\@ensure@RTL
18410 \let\@ensure@LR=\@ensure@LTR

```



```

18411 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
18412 \let\@ensure@maindir=\@ensure@dir
18413 \def\@RTL{RTL}
18414 \def\@LTR{LTR}
18415 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
18416 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
18417 \let\@TeX\TeX
18418 \def\TeX{\@ensure@LTR{\@TeX}}
18419 \let\@LaTeX\LaTeX
18420 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
18421 \let\@LaTeXe\LaTeXe
18422 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
18423 \long\def\@bidi@reflect@box#1{%
18424   \leavevmode
18425   \setbox\z@\hbox{#{#1}}%
18426   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
18427   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
18428 }
18429 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
18430   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
18431 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
18432   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
18433 \let\setRL=\setRTL
18434 \let\setLR=\setLTR
18435 \let\unsetRL=\setLTR
18436 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
18437 \@ifpackageloaded{array}{%
18438 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
18439   \leavevmode
18440   \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
18441   \let\dollarend\end\group
18442   \@tabarray}
18443 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup\@RTLtabfalse}
18444 }{%
18445 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
18446   \leavevmode \hbox \bgroup
18447   $\left.\let\@acol\@tabacol
18448   \let\@classz\@tabclassz
18449   \let\@classiv\@tabclassiv \let\\ \@tabularcr\@tabarray}
18450
18451 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18452   \egroup\right\rbrace $\egroup
18453   \@RTLtabfalse}
18454 }
18455 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
18456   \ialign{##\hfil$&\quad{##}\hfil\crr#1\crr}}\,\right\}}
18457 \renewenvironment{RTLcases}{%
18458   \bidi@matrix@check\RTLcases\env@RTLcases
18459 }{%
18460   \endbidi@tabular@RTLcases%

```



```

18461 }
18462 \def\env@RTLcases{%
18463   \let\@ifnextchar\@ifnextchar
18464   \def\arraystretch{1.2}%
18465   \bidi@tabular@RTLcases{\@{}r@{\quad}r@{}}%
18466 }
18467 \def\SepMark#1{\gdef\@SepMark{#1}}
18468 \SepMark{.}
18469 \def\@thmcountersep{\@SepMark}
18470 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
18471 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
18472 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
18473 \def\list#1#2{%
18474   \ifnum \@listdepth >5\relax
18475     \@toodeep
18476   \else
18477     \global\advance\@listdepth\@ne
18478   \fi
18479   \rightmargin\z@
18480   \listparindent\z@
18481   \itemindent\z@
18482   \csname @list\romannumeral\the\@listdepth\endcsname
18483   \def\@itemlabel{#1}%
18484   \let\makelabel\@mklab
18485   \@nmbrlistfalse
18486   #2\relax
18487   \@trivlist
18488   \parskip\parsep
18489   \parindent\listparindent
18490   \advance\linewidth -\rightmargin
18491   \advance\linewidth -\leftmargin
18492   \if@bidi@list@minipage@parbox
18493     \if@RTL
18494       \advance\@totalleftmargin \leftmargin
18495     \else
18496       \advance\@totalleftmargin \rightmargin
18497     \fi
18498   \else
18499     \if@RTLtab
18500     \if@bidi@list@minipage@parbox@not@nob
18501     \if@RTL
18502       \advance\@totalleftmargin \rightmargin
18503     \else
18504       \advance\@totalleftmargin \leftmargin
18505     \fi
18506   \else
18507     \if@RTL
18508       \advance\@totalleftmargin \leftmargin
18509     \else
18510       \advance\@totalleftmargin \rightmargin

```



```

18511 \fi\fi
18512 \else
18513 \if@RTL
18514 \advance\@totalleftmargin \rightmargin
18515 \else
18516 \advance\@totalleftmargin \leftmargin
18517 \fi\fi\fi
18518 \parshape \@ne \@totalleftmargin \linewidth
18519 \ignorespaces}
18520 \long\def\@iiparbox#1#2[#3]#4#5{%
18521 \leavevmode
18522 \@pboxswfalse
18523 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
18524 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
18525 \setlength\@tempdima{#4}%
18526 \@begin@tempboxa\ vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
18527 \ifx\relax#2\else
18528 \setlength\@tempdimb{#2}%
18529 \edef\@parboxto{to\the\@tempdimb}%
18530 \fi
18531 \if#1b\ vbox
18532 \else\if #1t\ vtop
18533 \else\ifmmode\ vcenter
18534 \else\@pboxswtrue $\ vcenter
18535 \fi\fi\fi
18536 \@parboxto{\let\hss\vss\let\unhbox\unvbox
18537 \csname bm@#3\endcsname}%
18538 \if@pboxsw \m@th$\fi
18539 \@end@tempboxa}
18540 \def\@bidi@lrbox#1{%
18541 \edef\reserved@a{%
18542 \endgroup
18543 \setbox#1\hbox{%
18544 \begingroup\aftergroup}%
18545 \def\noexpand\@currentvir{\@currentvir}%
18546 \def\noexpand\@currentvline{\on@line}}%
18547 \reserved@a
18548 \@endpefalse
18549 \color@begingroup
18550 \ignorespaces}
18551 \def\endbidi@lrbox{\unskip\color@endgroup}
18552 \newenvironment{LTRitems}
18553 {\par\@RTLfalse
18554 \if@bidi@list@minipage@parbox
18555 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
18556 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18557 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
18558 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
18559 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
18560 \ignorespaces}{\vskip\z@}

```



```

18561 \newenvironment{RTLitems}
18562     {\par\@RTLtrue
18563      \if@bidi@list@minipage@parbox
18564      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
18565      \else \ifRTLtab\if@bidi@list@minipage@parbox@not@nob
18566      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
18567      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
18568      \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
18569      \ignorespaces}{\vskip\z@}
18570 \newenvironment{LTRbibitems}
18571     {\par\@RTLfalse
18572      \if@bidi@list@minipage@parbox
18573      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
18574      \else \ifRTLtab\if@bidi@list@minipage@parbox@not@nob
18575      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
18576      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
18577      \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
18578      \ignorespaces}{\vskip\z@}
18579 \newenvironment{RTLbibitems}
18580     {\par\@RTLtrue
18581      \if@bidi@list@minipage@parbox
18582      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
18583      \else \ifRTLtab\if@bidi@list@minipage@parbox@not@nob
18584      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
18585      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
18586      \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
18587      \ignorespaces}{\vskip\z@}
18588 \def\raggedright{%
18589   \let\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
18590   \leftskip\z@skip
18591   \parindent\z@\parfillskip\z@skip}
18592 \let\bidi@orig@raggedleft\raggedleft
18593 \let\bidi@orig@raggedright\raggedright
18594 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\ifRTLtab\b
18595 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\ifRTLtab\b
18596 \newcommand{\bidi@raggedright}{\ifRTL\raggedleft\else\raggedright\fi}
18597 \newcommand{\bidi@raggedleft}{\ifRTL\raggedright\else\raggedleft\fi}
18598 \def\centerline#1{%
18599   \ifRTL\@@line{\hss\beginR#1\endR\hss}
18600   \else\@@line{\hss#1\hss}\fi}
18601 \def\leftline#1{%
18602   \ifRTL\@@line{\beginR#1\endR\hss}
18603   \else\@@line{#1\hss}\fi}
18604 \def\rightline#1{%
18605   \ifRTL\@@line{\hss\beginR#1\endR}
18606   \else\@@line{\hss#1}\fi}
18607 \let\bidi@orig@leftline\leftline
18608 \let\bidi@orig@rightline\rightline
18609 \def\leftline#1{\ifhmode\ifRTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\if
18610 \def\rightline#1{\ifhmode\ifRTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\if

```



```

18611 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
18612 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
18613 \def\@hangfrom#1{\setbox\@tempboxa\hbox{\{#1\}}%
18614 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
18615 \def\narrower{%
18616 \advance\if@RTL\righskip\else\leftskip\fi\parindent
18617 \advance\if@RTL\leftskip\else\righskip\fi\parindent}
18618 \def\underline#1{%
18619 \relax
18620 \ifmmode\@@underline{#1}%
18621 \else
18622 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
18623 \else
18624 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
18625 \if@compatibility
18626 \let\underline=\underline
18627 \fi
18628 \global\@RTLtabfalse
18629 \def\@tabular{\if@RTL\@RTLtabtrue\fi
18630 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
18631 $\let\@acol\@tabacol
18632 \let\@classz\@tabclassz
18633 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
18634 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18635 \egroup $\if@RTLtab\endR\fi\egroup
18636 \@RTLtabfalse}
18637 \expandafter \let \csname endtabular*\endcsname = \endtabular
18638 \def\@array[#1]#2{%
18639 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
18640 \bgroup
18641 \setbox\@arstrutbox\hbox{%
18642 \vrule \@height\arraystretch\ht\strutbox
18643 \@depth\arraystretch \dp\strutbox
18644 \@width\z@}%
18645 \@mkpream{#2}%
18646 \edef\@preamble{%
18647 \ialign \noexpand\@halignto
18648 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18649 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18650 \let\@tabularnewline\\%
18651 \let\par\@empty
18652 \let\@sharp##%
18653 \set@typeset@protect
18654 \lineskip\z@skip\baselineskip\z@skip
18655 \ifhmode \@preamerr\z@ \@@par\fi
18656 \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop \else \vbox \fi\bgroup\fi
18657 \@preamble}
18658 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
18659 \let\@classiv\@arrayclassiv
18660 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}

```




```

18661 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
18662     \ifnum \@lastchclass=3 5 \else
18663     \z@ \if #1c\@chnum \z@ \else
18664         \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
18665         \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
18666         \@chclass \if #1|\@ne \else
18667         \if #1@\tw@ \else
18668         \if #1p3 \else \z@ \@preamerr 0\fi
18669 \fi \fi \fi \fi \fi \fi
18670 \fi}
18671 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
18672 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
18673 \def\bm@t{\unhbox\@tempboxa\hss}
18674 \def\bm@b{\hss\unhbox\@tempboxa}
18675 \def\@dottedtocline#1#2#3#4#5{%
18676     \ifnum #1>\c@tocdepth \else
18677         \vskip \z@ \@plus.2\p@
18678         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmarg \
18679         \parindent #2\relax\@afterindenttrue
18680         \interlinepenalty\@M
18681         \leavevmode
18682         \@tempdima #3\relax
18683         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
18684         {#4}\nobreak
18685         \leaders\hbox{$\m@th
18686             \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
18687             mu$}\hfill
18688         \nobreak
18689         \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}%
18690         \par}%
18691 \fi}
18692
18693
18694 \def\RTL@outputdblcol{%
18695     \if@firstcolumn
18696         \global\@firstcolumnfalse
18697         \global\setbox\@leftcolumn\copy\@outputbox
18698         \splitmaxdepth\maxdimen
18699         \vbadness\maxdimen
18700         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
18701         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
18702         \toks@\expandafter{\topmark}%
18703         \xdef\@firstcoltopmark{\the\toks@}%
18704         \toks@\expandafter{\splitfirstmark}%
18705         \xdef\@firstcolfirstmark{\the\toks@}%
18706         \ifx\@firstcolfirstmark\@empty
18707             \global\let\@setmarks\relax
18708         \else
18709             \gdef\@setmarks{%
18710                 \let\firstmark\@firstcolfirstmark

```



```

18711         \let\topmark\@firstcoltopmark}%
18712     \fi
18713 \else
18714     \global\@firstcolumntrue
18715     \setbox\@outputbox\vbox{%
18716         \hb@xt@\textwidth{%
18717             \hskip \columnwidth
18718             \hfil
18719             {\normalcolor\vrule \@width\columnseprule}%
18720             \hfil
18721             \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
18722             \hskip -\textwidth
18723             \hb@xt@\columnwidth{\box\@outputbox \hss}%
18724             \hskip \columnsep
18725             \hskip \columnwidth }}%
18726 \combinedblfloats
18727 \setmarks
18728 \outputpage
18729 \begingroup
18730 \dblfloatplacement
18731 \startdblcolumn
18732 \@whiles\if@colmade \fi{\@outputpage
18733 \startdblcolumn}%
18734 \endgroup
18735 \fi}%
18736
18737 \def\LTR@outputdblcol{%
18738 \if@firstcolumn
18739     \global\@firstcolumnfalse
18740     \global\setbox\@leftcolumn\copy\@outputbox
18741     \splitmaxdepth\maxdimen
18742     \vbadness\maxdimen
18743     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
18744     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
18745     \toks@\expandafter{\topmark}%
18746     \xdef\@firstcoltopmark{\the\toks@}%
18747     \toks@\expandafter{\splitfirstmark}%
18748     \xdef\@firstcolfirstmark{\the\toks@}%
18749     \ifx\@firstcolfirstmark\@empty
18750         \global\let\setmarks\relax
18751     \else
18752         \gdef\setmarks{%
18753             \let\firstmark\@firstcolfirstmark
18754             \let\topmark\@firstcoltopmark}%
18755     \fi
18756 \else
18757     \global\@firstcolumntrue
18758     \setbox\@outputbox\vbox{%
18759         \hb@xt@\textwidth{%
18760             \hb@xt@\columnwidth{\box\@leftcolumn \hss}%

```



```

18761         \hfil
18762         {\normalcolor\vrule \@width\columnseprule}%
18763         \hfil
18764         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
18765 \combinedblfloats
18766 \setmarks
18767 \outputpage
18768 \beginngroup
18769 \dblfloatplacement
18770 \startdblcolumn
18771 \whiles\if@fcolmade \fi{\@outputpage
18772 \startdblcolumn}%
18773 \endgroup
18774 \fi}%
18775
18776
18777 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
18778 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
18779 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
18780 \def\LTRmarginpar{%
18781 \ifhmode
18782 \bsphack
18783 \@floatpenalty -\@Mii
18784 \else
18785 \@floatpenalty -\@Miii
18786 \fi
18787 \ifinner
18788 \@parmoderr
18789 \@floatpenalty\z@
18790 \else
18791 \@next\@currbox\@freelist{}{}%
18792 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
18793 {\@floatpenalty\z@
18794 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
18795 \fi
18796 \ifnextchar [\@LTRxmpar\@LTRympar}
18797 \long\def\@LTRxmpar[#1]#2{%
18798 \LTRsavemarbox\@marbox{#1}%
18799 \LTRsavemarbox\@currbox{#2}%
18800 \@xympar}
18801 \long\def\@LTRympar#1{%
18802 \LTRsavemarbox\@marbox{#1}%
18803 \global\setbox\@currbox\copy\@marbox
18804 \@xympar}
18805 \long\def \LTRsavemarbox #1#2{%
18806 \global\setbox #1%
18807 \color@vbox
18808 \vtop{%
18809 \hsize\marginparwidth
18810 \@parboxrestore

```



```

18811         \@LTRmarginparreset
18812         #2%
18813         \@minipagefalse
18814         \outer@nobreak
18815     }%
18816     \color@endbox
18817 }
18818 \def \@LTRmarginparreset {%
18819     \reset@font
18820     \normalsize
18821     \@minipagetrue
18822     \everypar{\@minipagefalse\everypar{}\beginL}%
18823 }
18824 \def\RTLmarginpar{%
18825     \ifhmode
18826         \@bsphack
18827         \@floatpenalty -\@Mii
18828     \else
18829         \@floatpenalty-\@Miii
18830     \fi
18831     \ifinner
18832         \@parmoderr
18833         \@floatpenalty\z@
18834     \else
18835         \@next\@currbox\@freelist{}\{}%
18836         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
18837         {\@floatpenalty\z@
18838         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
18839     \fi
18840     \@ifnextchar [\@RTLxmpar\@RTLympar}
18841 \long\def\@RTLxmpar[#1]#2{%
18842     \@RTLsavemarbox\@marbox{#1}%
18843     \@RTLsavemarbox\@currbox{#2}%
18844     \@xympar}
18845 \long\def\@RTLympar#1{%
18846     \@RTLsavemarbox\@marbox{#1}%
18847     \global\setbox\@currbox\copy\@marbox
18848     \@xympar}
18849 \long\def \@RTLsavemarbox #1#2{%
18850     \global\setbox #1%
18851         \color@vbox
18852         \vtop{%
18853             \hsize\marginparwidth
18854             \@parboxrestore
18855             \@LTRmarginparreset
18856             #2%
18857             \@minipagefalse
18858             \outer@nobreak
18859             }%
18860     \color@endbox

```



```

18861 }
18862 \def \@RTLmarginparreset {%
18863     \reset@font
18864     \normalsize
18865     \@minipagetrue
18866     \everypar{\@minipagefalse\everypar{}\beginR}%
18867 }
18868 \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
18869     \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
18870     \if@twocolumn
18871         \if@firstcolumn \@tempcnta\m@ne \fi
18872     \else
18873         \if@mparswitch
18874             \ifodd\c@page \else\@tempcnta\m@ne \fi
18875         \fi
18876         \if@reversemargin \@tempcnta -\@tempcnta \fi
18877     \fi
18878     \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
18879     \@tempdima\@mparbottom
18880     \advance\@tempdima -\@pageht
18881     \advance\@tempdima\ht\@marbox
18882     \ifdim\@tempdima >\z@
18883         \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
18884     \else
18885         \@tempdima\z@
18886     \fi
18887     \global\@mparbottom\@pageht
18888     \global\advance\@mparbottom\@tempdima
18889     \global\advance\@mparbottom\dp\@marbox
18890     \global\advance\@mparbottom\marginparpush
18891     \advance\@tempdima -\ht\@marbox
18892     \global\setbox \@marbox
18893         \vbox {\vskip \@tempdima
18894             \box \@marbox}%
18895     \global \ht\@marbox \z@
18896     \global \dp\@marbox \z@
18897     \kern -\@pagedp
18898     \nointerlineskip
18899     \hb@xt@\columnwidth
18900     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
18901         \hskip\columnwidth \hskip\marginparsep
18902     \else
18903         \hskip -\marginparsep \hskip -\marginparwidth
18904     \fi
18905     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
18906     \nointerlineskip
18907     \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
18908 \long\def \@ympar#1{%
18909     \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
18910     \global\setbox\@currbox\copy\@marbox

```



```

18911 \xympar}
18912 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
18913 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
18914 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
18915 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
18916 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
18917 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
18918 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
18919 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
18920 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
18921 \fi}
18922 \def\@outputpage{%
18923 \begingroup % the \endgroup is put in by \aftergroup
18924 \let \protect \noexpand
18925 \@resetactivechars
18926 \global\let\@if@newlist\if@newlist
18927 \global\@newlistfalse
18928 \@parboxrestore
18929 \shipout \vbox{%
18930 \set@typeset@protect
18931 \aftergroup \endgroup
18932 \aftergroup \set@typeset@protect
18933 % correct? or just restore by ending
18934 % the group?
18935 \if@specialpage
18936 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
18937 \fi
18938 \if@twoside
18939 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
18940 \let\@themargin\oddsidemargin
18941 \else \let\@thehead\@evenhead
18942 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
18943 \fi
18944 \ifx\@thehead\@empty \let\@thehead\hfil \fi
18945 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
18946 \else %% not @twoside
18947 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
18948 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
18949 \fi
18950 \reset@font
18951 \normalsize
18952 \normalsfcodes
18953 \let\label\@gobble
18954 \let\index\@gobble
18955 \let\glossary\@gobble
18956 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
18957 \@beginndvi
18958 \vskip \topmargin
18959 \moveright\@themargin \vbox {%
18960 \setbox\@tempboxa \vbox to\headheight{%

```



```

18961         \vfil
18962         \color@hbox
18963         \normalcolor
18964         \hb@xt@{\textwidth}{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLma
18965         \color@endbox
18966     }%
18967     \dp\@tempboxa \z@
18968     \box\@tempboxa
18969     \vskip \headsep
18970     \box\@outputbox
18971     \baselineskip \footskip
18972     \color@hbox
18973     \normalcolor
18974     \hb@xt@{\textwidth}{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
18975     \color@endbox
18976 }%
18977 }%
18978 \global\let\if@newlist\@if@newlist
18979 \global \colht \textheight
18980 \stepcounter{page}%
18981 \let\firstmark\botmark
18982 }
18983 \long\def\@makecaption#1#2{%
18984     \vskip\abovecaptionskip
18985     \sbox\@tempboxa{#1: #2}%
18986     \ifdim \wd\@tempboxa >\hsize
18987         \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
18988     \else
18989         \global \@minipagefalse
18990         \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
18991     \fi
18992     \vskip\belowcaptionskip}
18993 \let\@bidi@saved@eqno=\eqno
18994 \let\@bidi@saved@leqno=\leqno
18995 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
18996 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
18997 \@ifpackageloaded{amsmath}{-}{-}
18998 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
18999 }
19000 \input{footnote-xetex-bidi.def}
19001 \if@twocolumn
19002     \let\autofooterule\relax
19003     \let\leftfootnoterule\relax
19004     \let\rightfootnoterule\relax
19005     \textwidthfootnoterule
19006 \fi
19007 \if@bidi@csundef{\idxitem}{-}{-}
19008 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
19009 }
19010 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{-}

```



```

19011 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
19012 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
19013 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
19014 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
19015 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
19016 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
19017 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
19018 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
19019 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
19020 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
19021 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
19022 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}{}{\input{report-xetex-bidi.def}}{}}
19023 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
19024 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
19025 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
19026 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
19027 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
19028 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
19029 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
19030 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
19031 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
19032 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{}{\input{book-xetex-bidi.def}}{}}
19033 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
19034 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
19035 \@ifpackageloaded{amsmath}{}{%
19036 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
19037 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
19038 }
19039 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
19040 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
19041 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
19042 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
19043 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
19044 \@ifpackagewith{algorithm2e}{algonl}{%
19045 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}{}
19046 }{}
19047 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
19048 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
19049 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
19050 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
19051 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
19052 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
19053 \@ifpackageloaded{animate}{\input{animate-xetex-bidi.def}}{}
19054 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
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19100 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
19101 \renewcommand*{\SC@justify@caption}{%
19102 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
19103 \renewcommand*{\SC@FLOAT}[2]{%
19104 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
19105 \renewcommand*{\SC@justify@caption}{%
19106 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
19107 }{}
19108 \@ifpackagewith{sidecap}{rightcaption}{%
19109 \if@RTL\renewcommand*{\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
19110 \def\SC@justify@caption{\RaggedLeft}\else%

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19111 \renewcommand*{\SC@FLOAT}[2][{\#2}\hspace{\sidecaptionsep}{\#1}}
19112 \def\SC@justify@caption{\RaggedRight}\fi%
19113 }{}
19114 \@ifpackagewith{sidecap}{leftcaption}{%
19115 \if@RTL \renewcommand*{\SC@FLOAT}[2][{\#2}\hspace{\sidecaptionsep}{\#1}}
19116 \def\SC@justify@caption{\RaggedRight}\else%
19117 \renewcommand*{\SC@FLOAT}[2][{\#1}\hspace{\sidecaptionsep}{\#2}}
19118 \def\SC@justify@caption{\RaggedLeft}\fi%
19119 }{}
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19142 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

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7.123 xltextra-xetex-bidi.def

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19143 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for X
19144 \let\@@XeTeX\XeTeX
19145 \def\XeTeX{\@ensure@LTR{\@@XeTeX}}
19146 \let\@@XeLaTeX\XeLaTeX
19147 \def\XeLaTeX{\@ensure@LTR{\@@XeLaTeX}}

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9 Change History

v13.9	General: Added implementaion of the package.	o	toc, lot, lof, etc with multicol package.	305	
v14.2	General: Fixed the wrong order of		v14.3	General: Removed \leavevmode to avoid extra \par.	140

