



The bidi *Package*

Documentation for *version 18.7*

to my Master, Ferdowsi The Great

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The *bid* Package

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

Documentation for [version 18.7](#)

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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--2015 Vafa Khalighi
*
* 2015/11/22, v18.7
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://github.com/persian-tex/bidi/issues
*
* Support: persian-tex@tug.org
*****
```

Part I

\LaTeX Manual

1 Basics

1.1 Loading The Package

You can load the package in the ordinary way;



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

Where options of the package are explained later in [subsection 1.5](#).
When loading the package, it is important to know that:

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

For instance, consider the following minimal example:

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

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

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

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

1.4 \begin{document}

?
```

1.2 bidi's Symbol

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

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



1.3 Commands for Version number, and Date of The Package

`\bidiversion \bididate`

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

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

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

1.4 Turning TeX--XeT features on and off

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

`\TeXXeTOn \TeXXeTOff`

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

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

1.5 Options of The Package

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

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

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



```

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

```

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

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

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

☞ `\paragraphfootnotes` typesets footnotes in paragraph format.

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

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

Please note that when using `extrafootnotefeatures` option, the footnote rule will be as wide as the text width and `\autofooterule`, `\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 senario as shown below:

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



1.21 Typesetting margin par

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

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

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

1.22 Typesetting of Headers and Footers

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

1.23 Tabular Typesetting

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

1.24 Equation Numbers

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

2 Support For Various Packages and Classes

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



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

2.1 Color

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

2.2 The dblfnote package

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

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

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

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

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

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

2.3 Hyperref

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



2.4 The listings package

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

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

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

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

Giving any other values gives you an error.

2.5 flowfram Package

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

2.6 Multicolumn Typesetting

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

`\RTLmulticolcolumns` `\LTRmulticolcolumns`

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

3 Extra bidi Packages and Classes



3.1 bidi-longtable package

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

3.2 bidentufte bundle

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

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

`\LTRsidenote \RTLsidenote \LTRmarginnote \RTLmarginnote`

- ☞ bidentufte-book and bidentufte-handout classes provide two extra options; RTLgeometry (active when loading either of classes) and LTRgeometry.
- ☞ bidentufte 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 bidentufte bundle (no need for soul, letterspace and macrotype packages).
- ☞ If you want to configure bidentufte-book class for your own needs, then you can create a file with the name bidentufte-book.cfg and put your \LaTeX macros in that file; similarly, if you want to configure bidentufte-handout class for your own needs, then you can create a file with the name bidentufte-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{<length>}
```

```
\begin{traditionalpoem}  
  <verse1>&<verse2>\\  
  <verse3>&<verse4>\\  
  ...  
\end{traditionalpoem}
```

```
\begin{traditionalpoem*}  
  <verse1>&<verse2>  
  <verse3>&<verse4>  
  ...  
\end{traditionalpoem*}
```

3.5 Typesetting Resumé

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

3.6 Print Two Pages On A Single Page

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

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



3.7 Producing Presentations

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

4 Some Useful Internal Macros and Programming Tips

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

4.1 Equating Conditionals

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

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

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

4.2 RTL Conditional

`\if@RTL`

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

4.3 Main RTL Conditional

`\if@RTLmain`

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

4.4 Latin Conditional

`\if@Latin`

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



4.5 Tags Internal Macro

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

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

4.6 Definition File Loaded Internal Macro

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

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

4.7 Tabular Conditional

```
\if@RTLtab
```

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

4.8 Footnote Conditional

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

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

4.9 Direction Ensuring Macros

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

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

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



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

4.10 Reset Direction Macro

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

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

Part II

Plain T_EX Manual

5 Basics

5.1 Loading The Package

You can load the package in the ordinary way;

```
\input bidi
```

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

5.2 Commands for Version number, and Date of The Package

```
\bidiversion \bididate
```

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

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

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



5.3 Turning TeX--XeT features on and off

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

`\TeXXeTOn \TeXXeTOff`

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

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

5.4 Paragraph Switching Commands

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

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

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

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

5.5 Paragraph Switching Environments

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

☞ With LTR environment, you can typeset LTR paragraphs.



☞ With RTL environment, you can typeset RTL paragraphs.

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

5.6 Typesetting Short LTR and RTL Texts

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

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

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

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



5.7 Primitive-like commands

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

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

5.8 Something To know about `\hbox`

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

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

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

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

5.9 Typesetting Logos

`\XeTeX`

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

6 Some Useful Internal Macros and Programming Tips

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



6.1 RTL Conditional

`\if@RTL`

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

6.2 Main RTL Conditional

`\if@RTLmain`

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

6.3 Direction Ensuring Macros

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

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

6.4 Reset Direction Macro

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

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

7 bidi implementation

7.1 amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for amsart class for XeTeX]
2 \def\@tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
```



```

7 \ifempty{#4}{%
8 \@tempdima\csname r@tocindent\number#1\endcsname\relax
9 }{%
10 \@tempdima#4\relax
11 }%
12 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\lef
13 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27 \kern-.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 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@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 \ifRTL\raggedleft\else\raggedright\fi
101 \hyphenpenalty\@M
102 \footnotesize}
103 \def\@idxitem{\par\hangindent \ifRTL-\fi2em}
104 \def\subitem{\par\hangindent \ifRTL-\fi2em\hspace*{1em}}
105 \def\subsubitem{\par\hangindent \ifRTL-\fi3em\hspace*{2em}}
106 \def\maketitle{\par

```



```

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

```

7.2 adjmulticol-xetex-bidi.def

```

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

```



```

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

```

7.3 algorithm2e-xetex-bidi.def

```

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

```



201 }%

7.4 amsbook-xetex-bidi.def

```

202 \ProvidesFile{amsbook-xetex-bidi.def}[2015/11/14 v1.0 bidi adaptations for amsbook class for XeTeX]
203 \def\tocline#1#2#3#4#5#6#7{\relax
204   \ifnum #1>\c@tocdepth % then omit
205   \else
206     \par \addpenalty\@secpenalty\addvspace{#2}%
207     \begingroup \hyphenpenalty\@M
208     \@ifempty{#4}{%
209       \@tempdima\csname r@tocindent\number#1\endcsname\relax
210     }{%
211       \@tempdima#4\relax
212     }%
213     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi
214     \if@RTL\leftskip\else\righskip\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\righ@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   \@bibtittlestyle
291   \normalfont\bibliofont\labelsep .5em\relax
292   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
293   \ifRTL\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\exp{\chaptername}\enspace\thechapter}
311 \vskip 3pc}}\hskip\if@RTL\righskip\else\leftskip\fi\fi
312 #1\par \endgroup
313 \skip@34p@ \advance\skip@-\normalbaselineskip
314 \vskip\skip@ }
315 \def\maketitle{\par
316 \@topnum\z@ % this prevents figures from falling at the top of page 1
317 \begingroup
318 \@maketitle
319 \endgroup
320 \c@footnote\z@
321 \def\do##1{\let##1\relax}%
322 \do\maketitle \do\@maketitle \do\title \do\@title \do\@title
323 \do\author \do\@xauthor \do\address \do\@xaddress
324 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
325 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
326 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
327 }

```

7.5 amsmath-xetex-bidi.def

```

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

```

7.6 amstext-xetex-bidi.def

```

339 \ProvidesFile{amstext-xetex-bidi.def}[2013/04/04 v0.1 bidi adaptations for amstext package for X
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 XeTeX]
345 \def\@thmcountersep{\@SepMark}
```

7.8 array-xetex-bidi.def

```
346 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for XeTeX]
347 \def\@testpach{\@chclass
348 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
349 \ifnum \@lastchclass=7 5 \else
350 \ifnum \@lastchclass=8 \tw@ \else
351 \ifnum \@lastchclass=9 \thr@@
352 \else \z@
353 \ifnum \@lastchclass = 10 \else
354 \edef\@nextchar{\expandafter\string\@nextchar}%
355 \@chnum
356 \if \@nextchar c\z@ \else
357 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
358 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
359 \z@ \@chclass
360 \if \@nextchar |\@ne \else
361 \if \@nextchar !6 \else
362 \if \@nextchar @7 \else
363 \if \@nextchar <8 \else
364 \if \@nextchar >9 \else
365 10
366 \@chnum
367 \if \@nextchar m\thr@@\else
368 \if \@nextchar p4 \else
369 \if \@nextchar b5 \else
370 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
371 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
372 \def\@tabular{\if@RTL\@RTLtabtrue\fi%
373 \leavevmode
374 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
375 \let\d@llarend\endR
376 \@tabarray}
377 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
378 \expandafter\let\csname endtabular*\endcsname=\endtabular
379 \def\@array[#1]#2{%
380 \@tempdima \ht \strutbox
381 \advance \@tempdima by\extrarowheight
382 \setbox \@arstrutbox \hbox{\vrule
383 \height \arraystretch \@tempdima
384 \depth \arraystretch \dp \strutbox
385 \width \z@}%
386 \beginR
387 \@mkpream{#2}%
```



```

388 \xdef\@preamble{\noexpand \ialign \@halignto
389             \bgroup \@arstrut \@preamble
390             \tabskip \z@ \cr}%
391 \endgroup
392 \@arrayleft
393 \if #1\top \else \if#1b\vbox \else \vcenter \fi \fi
394 \bgroup
395 \let \@sharp ##\let \protect \relax
396 \lineskip \z@
397 \baselineskip \z@
398 \m@th
399 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\if #1\top
400 \def\@tabarray{\@ifnextchar [{\@array}{\@array[c]}}
401 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
402 \def\array{\col@sep\arraycolsep
403 \def\dollarbegin{$}\let\dollarend\dollarbegin\gdef\@halignto{}}%
404 \@RTLtabfalse\@tabarray}

```

7.9 article-xetex-bidi.def

```

405 \ProvidesFile{article-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for standard article class]
406 \if@titlepage
407 \renewcommand\maketitle{\begin{titlepage}%
408 \let\footnotesize\small
409 \let\right@footnoterule\relax
410 \let\left@footnoterule\relax
411 \let\textwidth\footnoterule\relax
412 \let \footnote \thanks
413 \let \LTRfootnote \LTRthanks
414 \let \RTLfootnote \RTLthanks
415 \null\vfil
416 \vskip 60\p@
417 \begin{center}%
418 {\LARGE \@title \par}%
419 \vskip 3em%
420 {\large
421 \lineskip .75em%
422 \begin{tabular}[t]{c}%
423 \@author
424 \end{tabular}\par}%
425 \vskip 1.5em%
426 {\large \@date \par}% % Set date in \large size.
427 \end{center}\par
428 \@thanks
429 \vfil\null
430 \end{titlepage}%
431 \setcounter{footnote}{0}%
432 \global\let\thanks\relax
433 \global\let\LTRthanks\relax
434 \global\let\RTLthanks\relax

```



```

435 \global\let\maketitle\relax
436 \global\let\@thanks\@empty
437 \global\let\@author\@empty
438 \global\let\@date\@empty
439 \global\let\@title\@empty
440 \global\let\title\relax
441 \global\let\author\relax
442 \global\let\date\relax
443 \global\let\and\relax
444 }
445 \else
446 \renewcommand\maketitle{\par
447   \begingroup
448     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
449     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
450     \long\def\@makefntext##1{\parindent 1em\noindent
451       \hb@xt@1.8em{%
452         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
453     \if@twocolumn
454       \ifnum \col@number=\@ne
455         \@maketitle
456       \else
457         \twocolumn[\@maketitle]%
458       \fi
459     \else
460       \newpage
461       \global\@topnum\z@    % Prevents figures from going at top of page.
462       \@maketitle
463     \fi
464     \thispagestyle{plain}\@thanks
465   \endgroup
466   \setcounter{footnote}{0}%
467   \global\let\thanks\relax
468   \global\let\LTRthanks\relax
469   \global\let\RTLthanks\relax
470   \global\let\maketitle\relax
471   \global\let\@maketitle\relax
472   \global\let\@thanks\@empty
473   \global\let\@author\@empty
474   \global\let\@date\@empty
475   \global\let\@title\@empty
476   \global\let\title\relax
477   \global\let\author\relax
478   \global\let\date\relax
479   \global\let\and\relax
480 }
481 \def\@maketitle{%
482   \newpage
483   \null
484   \vskip 2em%

```



```

485 \begin{center}%
486 \let \footnote \thanks
487 \let \LTRfootnote \LTRthanks
488 \let \RTLfootnote \RTLthanks
489 {\LARGE \@title \par}%
490 \vskip 1.5em%
491 {\large
492 \lineskip .5em%
493 \begin{tabular}[t]{c}%
494 \@author
495 \end{tabular}\par}%
496 \vskip 1em%
497 {\large \@date}%
498 \end{center}%
499 \par
500 \vskip 1.5em}
501 \fi
502 \renewcommand*\l@part[2]{%
503 \ifnum \c@tocdepth >-2\relax
504 \addpenalty\@secpenalty
505 \addvspace{2.25em \@plus\p@}%
506 \setlength\@tempdima{3em}%
507 \begingroup
508 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
509 \parfillskip -\@pnumwidth
510 {\leavevmode
511 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
512 \nobreak
513 \if@compatibility
514 \global\@nobreaktrue
515 \everypar{\global\@nobreakfalse\everypar{}}%
516 \fi
517 \endgroup
518 \fi}
519 \renewcommand*\l@section[2]{%
520 \ifnum \c@tocdepth >\z@
521 \addpenalty\@secpenalty
522 \addvspace{1.0em \@plus\p@}%
523 \setlength\@tempdima{1.5em}%
524 \begingroup
525 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
526 \parfillskip -\@pnumwidth
527 \leavevmode \bfseries
528 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
529 \hskip -\if@RTL\rightskip\else\leftskip\fi
530 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
531 \endgroup
532 \fi}
533 \renewcommand\left@footnoterule{%
534 \kern-3\p@

```



```

535 \hrule\@width.4\columnwidth
536 \kern2.6\p@}
537 \renewcommand\right@footnoterule{%
538 \kern-3\p@
539 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
540 \kern2.6\p@}
541 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
542 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
543 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
544 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
545 \def\@part[#1]#2{%
546 \ifnum \c@secnumdepth >\m@ne
547 \refstepcounter{part}%
548 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
549 \else
550 \addcontentsline{toc}{part}{#1}%
551 \fi
552 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
553 \interlinepenalty \@M
554 \normalfont
555 \ifnum \c@secnumdepth >\m@ne
556 \Large\bfseries \partname\nobreakspace\thepart
557 \par\nobreak
558 \fi
559 \huge \bfseries #2%
560 \markboth{}{\par}%
561 \nobreak
562 \vskip 3ex
563 \@afterheading}
564 \renewenvironment{thebibliography}[1]
565 {\section*{\refname}%
566 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
567 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
568 \list{\@biblabel{\@arabic\c@enumiv}}%
569 {\settowidth\labelwidth{\@biblabel{#1}}%
570 \leftmargin\labelwidth
571 \advance\leftmargin\labelsep
572 \@openbib@code
573 \usecounter{enumiv}%
574 \let\p@enumiv\@empty
575 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
576 \sloppy
577 \clubpenalty4000
578 \@clubpenalty \clubpenalty
579 \widowpenalty4000%
580 \sfcode`\.\@m}
581 {\def\@noitemerr
582 {\@latex@warning{Empty `thebibliography' environment}}%
583 \endlist}
584 \renewenvironment{theindex}

```




```

585         {\if@twocolumn
586           \@restonecolfalse
587         \else
588           \@restonecoltrue
589         \fi
590         \columnseprule \z@
591         \columnsep 35\p@
592         \twocolumn[\section*{\indexname}]%
593         \@mkboth{\MakeUppercase\indexname}%
594                 {\MakeUppercase\indexname}%
595         \thispagestyle{plain}\parindent\z@
596         \parskip\z@ \@plus .3\p@\relax
597         \let\item\@idxitem}
598     {\if@restonecol\onecolumn\else\clearpage\fi}

```

7.10 artikel1-xetex-bidi.def

```

599 \ProvidesFile{artikel1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel1 class for X
600 \renewenvironment{theindex}{%
601   \if@twocolumn
602     \@restonecolfalse
603   \else
604     \@restonecoltrue
605   \fi
606   \columnseprule \z@
607   \columnsep 35\p@
608   \twocolumn[\section*{\indexname}]%
609   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
610   \thispagestyle{plain}\parindent\z@
611   \parskip\z@ \@plus .3\p@\relax
612   \let\item\@idxitem
613 }{%
614   \if@restonecol\onecolumn\else\clearpage\fi}
615 \renewcommand*{\head@style}{%
616   \interlinepenalty \@M
617   \hyphenpenalty=\@M \exhyphenpenalty=\@M
618   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
619 \if@titlepage
620   \renewenvironment{abstract}{%
621     \titlepage
622     \null\vfil
623     \section*{\SectFont\abstractname}
624     \noindent\ignorespaces}
625     {\par\vfil\null\endtitlepage}
626 \else
627   \renewenvironment{abstract}{%
628     \if@twocolumn
629       \section*{\abstractname}%
630     \else
631       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent

```



```

632      \section*{\small\SectFont\abstractname}%
633      \noindent\ignorespaces
634      \fi}
635      {\if@twocolumn\else\par\egroup\fi}
636 \fi
637 \renewcommand*\@regtocline[3]{%
638   \ifnum #1>\c@tocdepth
639   \else
640     \vskip\z@ \@plus.2\p@
641     {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
642      \if@RTL\rightskip\else\leftskip\fi\unitindent
643      \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
644      \parfillskip\z@
645      \@tempdima\unitindent
646      \parindent\z@
647      \leavevmode
648      \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
649      \hskip 1em \nobreak{\slshape #3}\par
650     }%
651   \fi}
652 \if@oldtoc
653 \renewcommand*\l@part[2]{%
654   \ifnum \c@tocdepth >-2\relax
655     \addpenalty\@secpenalty
656     \addvspace{2.25em \@plus\p@}%
657     \begingroup
658       \setlength\@tempdima{3em}%
659       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
660       \parfillskip -\@pnumwidth
661       {\leavevmode
662        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
663        \nobreak
664        \if@compatibility
665          \global\@nobreaktrue
666          \everypar{\global\@nobreakfalse\everypar{}}%
667        \fi
668      \endgroup
669   \fi}
670 \else
671 \renewcommand*\l@part{%
672   \ifnum \c@tocdepth >-2\relax
673     \addpenalty\@secpenalty
674     \addvspace{2.25em \@plus \p@}%
675     \@regtocline{0}%
676   \fi}
677 \fi
678 \if@oldtoc
679 \renewcommand*\l@section[2]{%
680   \addpenalty\@secpenalty
681   \addvspace{1.0em \@plus\p@}%

```



```

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

```



```

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

```



```

782 }
783 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
784 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
785   \futurelet\@tempa\uc@ax}
786 \def\uc@ax{%
787   \ifx\@tempa\relax
788   \else
789     \\\andname \\\expandafter\uc@authornothanks
790   \fi}
791 \def\uc@tx{\ifx\@tempa\relax
792   \else \expandafter\uc@ty \fi}
793 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
794 \else
795 \renewcommand*\maketitle{\par
796   \begingroup
797   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
798   \def\@makefnmark{\rlap{%
799     \@textsuperscript{\normalfont\@thefnmark}}}%
800   \long\def\@makefntext{\@xmakefntext{%
801     \@textsuperscript{\normalfont\@thefnmark}}}%
802   \if@twocolumn
803     \ifnum \col@number=\@ne
804       \@maketitle
805     \else
806       \twocolumn[\@maketitle]%
807     \fi
808   \else
809     \newpage
810     \global\@topnum\z@
811     \@maketitle
812   \fi
813   \thispagestyle{plain}\@thanks
814 \endgroup
815 \setcounter{footnote}{0}%
816 \global\let\thanks\relax
817 \global\let\maketitle\relax
818 \global\let\@maketitle\relax
819 \global\let\@thanks\@empty
820 \global\let\@author\@empty
821 \global\let\@title\@empty
822 \global\let\@date\@empty
823 \global\let\title\relax
824 \global\let\author\relax
825 \global\let\date\relax
826 \global\let\and\relax
827 }
828 \def\@maketitle{%
829   \newpage
830   \null
831   \vskip 2em%

```



```

832 \begin{center}%
833 \let \footnote \thanks
834 {\LARGE \TitleFont \@title \par}%
835 \vskip 1.5em%
836 {\large \TitleFont
837 \lineskip .5em%
838 \begin{tabular}[t]{c}%
839 \@author
840 \end{tabular}\par}%
841 \vskip 1em%
842 {\large \TitleFont \@date}%
843 \end{center}%
844 \par
845 \vskip 1.5em}
846 \fi

```

7.11 artikel2-xetex-bidi.def

```

847 \ProvidesFile{artikel2-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel2 class for X
848 \renewenvironment{theindex}{%
849 \if@twocolumn
850 \@restonecolfalse
851 \else
852 \@restonecoltrue
853 \fi
854 \columnseprule \z@
855 \columnsep 35\p@
856 \twocolumn[\section*{\indexname}]{%
857 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
858 \thispagestyle{plain}\parindent\z@
859 \parskip\z@ \@plus .3\p@\relax
860 \let\item\@idxitem
861 }{%
862 \if@restonecol\onecolumn\else\clearpage\fi}
863 \renewcommand*\@regtocline[3]{%
864 \ifnum #1>\c@tocdepth
865 \else
866 \vskip\z@ \@plus .2\p@
867 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
868 \if@RTL\righskip\else\leftskip\fi\unitindent
869 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
870 \parfillskip\z@
871 \@tempdima\unitindent
872 \advance\@tempdima by \othermargin
873 \parindent\z@
874 \leavevmode
875 \hbox{} \hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
876 \hskip 1em \nobreak{\slshape #3}\par
877 }%
878 \fi}

```



```

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

```



```

929 \section*{\SectFont\abstractname}%
930 \noindent\ignorespaces}
931 {\par\vfil\null\endtitlepage}
932 \else
933 \renewenvironment{abstract}{%
934 \if@twocolumn
935 \section*{\abstractname}%
936 \else
937 \section*{\hskip\unitindent\small\SectFont\abstractname}%
938 \list*{\setlength\listparindent{\unitindent}%
939 \setlength\parindent{\z@}%
940 \setlength\leftmargin{\unitindent}%
941 \setlength\rightmargin{\unitindent}%
942 \setlength\parsep{\z@}}%
943 \item[]%
944 \fi}
945 {\if@twocolumn\else\par\endlist\fi}
946 \fi
947 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
948 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
949 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
950 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
951 \renewcommand*\left@footnoterule{%
952 \kern-3\p@
953 \hrule\@width 3\unitindent
954 \kern 2.6\p@
955 }
956 \renewcommand*\right@footnoterule{%
957 \kern-3\p@
958 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
959 \kern 2.6\p@}
960 \renewenvironment{thebibliography}[1]
961 {\section*{\refname}%
962 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
963 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
964 \list*{\@biblabel{\@arabic\c@enumiv}}%
965 {\settowidth\labelwidth{\@biblabel{#1}}%
966 \leftmargin\labelwidth
967 \advance\leftmargin\labelsep
968 \@openbib@code
969 \usecounter{enumiv}%
970 \let\p@enumiv\@empty
971 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
972 \sloppy\clubpenalty4000\widowpenalty4000%
973 \sfcode`\.\@m}
974 {\def\@noitemerr
975 {\@latex@warning{Empty `thebibliography' environment}}%
976 \endlist}
977 \if@titlepage
978 \renewcommand*\TitleFont{\rmfamily}

```




```

979 \renewcommand*\maketitle{%
980   \begin{titlepage}%
981     \let\footnotesize\small
982     \let\right@footnoterule\relax
983     \let\left@footnoterule\relax
984     \let\textwidth@footnoterule\relax
985     \let \footnote \thanks
986     \long\def\@makefnmark##1{\parindent\z@
987       \def\labelitemi{\textendash}\@revlabeltrue
988       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
989     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
990     \if@compatibility\setcounter{page}{0}\fi
991     \null\vfil
992     \vskip 60\p@
993     \begin{center}%
994       \TitleFont
995       {\LARGE \def\\{\penalty -\@M}
996         \if@allcaps
997           \expandafter\uc@nothanks\@title\thanks\relax
998         \else
999           \@title
1000         \fi\par}%
1001       \vskip 3em%
1002       {\large
1003         \lineskip .75em \parindent\z@
1004         \begin{tabular}[t]{c}%
1005           \if@allcaps
1006             \expandafter\uc@authornothanks\@author\and\relax
1007           \else
1008             \@author
1009           \fi
1010         \end{tabular}\par}%
1011       \vskip 1.5em%
1012       {\large
1013         \if@allcaps
1014           \uppercase\expandafter{\@date}%
1015         \else
1016           \@date
1017         \fi\par}%
1018       \end{center}\par
1019     \@thanks
1020     \vfil\null
1021   \end{titlepage}%
1022   \setcounter{footnote}{0}%
1023   \global\let\thanks\relax
1024   \global\let\maketitle\relax
1025   \global\let\@thanks\@empty
1026   \global\let\@author\@empty
1027   \global\let\@title\@empty
1028   \global\let\@date\@empty

```



```

1029 \global\let\title\relax
1030 \global\let\author\relax
1031 \global\let\date\relax
1032 \global\let\and\relax
1033 }
1034 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1035 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1036   \futurelet\@tempa\uc@ax}
1037 \def\uc@ax{%
1038   \ifx\@tempa\relax
1039   \else
1040     \\\andname \\\expandafter\uc@authornothanks
1041     \fi}
1042 \def\uc@tx{\ifx\@tempa\relax
1043   \else \expandafter\uc@ty \fi}
1044 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1045 \else
1046 \renewcommand*\maketitle{\par
1047   \begingroup
1048     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1049     \long\def\@makefnmark{\parindent\z@
1050       \def\labelitemi{\textendash}%
1051       \leavevmode\hb@xt@.5\unitindent{%
1052         \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1053     \if@twocolumn
1054       \ifnum \col@number=\@ne
1055         \@maketitle
1056       \else
1057         \twocolumn[\@maketitle]%
1058       \fi
1059     \else
1060       \newpage
1061       \global\@topnum\z@
1062       \@maketitle
1063     \fi
1064     \thispagestyle{plain}\@thanks
1065   \endgroup
1066   \setcounter{footnote}{0}%
1067   \global\let\thanks\relax
1068   \global\let\maketitle\relax
1069   \global\let\@maketitle\relax
1070   \global\let\@thanks\@empty
1071   \global\let\@author\@empty
1072   \global\let\@title\@empty
1073   \global\let\@date\@empty
1074   \global\let\title\relax
1075   \global\let\author\relax
1076   \global\let\date\relax
1077   \global\let\and\relax
1078 }

```



```

1079 \def\@maketitle{%
1080   \newpage
1081   \null
1082   \vskip 2em%
1083   \begin{center}%
1084     \let \footnote \thanks
1085     {\LARGE \TitleFont \@title \par}%
1086     \vskip 1.5em%
1087     {\large \TitleFont
1088       \lineskip .5em%
1089       \begin{tabular}[t]{c}%
1090         \@author
1091         \end{tabular}\par}%
1092     \vskip 1em%
1093     {\large \TitleFont \@date}%
1094   \end{center}%
1095   \par
1096   \vskip 1.5em}
1097 \fi

```

7.12 artikel3-xetex-bidi.def

```

1098 \ProvidesFile{artikel3-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for artikel3 class for X
1099 \renewenvironment{theindex}{%
1100   \if@twocolumn
1101     \@restonecolfalse
1102   \else
1103     \@restonecoltrue
1104   \fi
1105   \columnseprule \z@
1106   \columnsep 35\p@
1107   \twocolumn[\section*{\indexname}]%
1108   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
1109   \thispagestyle{plain}\parindent\z@
1110   \parskip\z@ \@plus .3\p@\relax
1111   \let\item\@idxitem
1112   }{%
1113   \if@restonecol\onecolumn\else\clearpage\fi}
1114 \renewcommand*{\head@style}{%
1115   \interlinepenalty \@M
1116   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1117   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1118 \renewcommand*{\@regtocline}[3]{%
1119   \ifnum #1>\c@tocdepth
1120   \else
1121     \vskip\z@ \@plus .2\p@
1122     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1123       \if@RTL\rightskip\else\leftskip\fi\unitindent
1124       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1125       \parfillskip\z@

```



```

1126 \@tempdima\unitindent
1127 \parindent\z@
1128 \leavevmode
1129 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1130 \hskip 1em \nobreak{\slshape #3}\par
1131 }%
1132 \fi}
1133 \if@oldtoc
1134 \renewcommand*\l@part[2]{%
1135 \ifnum \c@tocdepth >-2\relax
1136 \addpenalty\@secpenalty
1137 \addvspace{2.25em \@plus\p@}%
1138 \begingroup
1139 \setlength\@tempdima{3em}%
1140 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1141 \parfillskip -\@pnumwidth
1142 {\leavevmode
1143 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1144 \nobreak
1145 \if@compatibility
1146 \global\@nobreaktrue
1147 \everypar{\global\@nobreakfalse\everypar{}}%
1148 \fi
1149 \endgroup
1150 \fi}
1151 \else
1152 \renewcommand*\l@part{%
1153 \ifnum \c@tocdepth >-2\relax
1154 \addpenalty\@secpenalty
1155 \addvspace{2.25em \@plus\p@}%
1156 \@regtocline{0}%
1157 \fi}
1158 \fi
1159
1160 \if@oldtoc
1161 \renewcommand*\l@section[2]{%
1162 \addpenalty\@secpenalty
1163 \addvspace{1.0em \@plus\p@}%
1164 \setlength\@tempdima{1.5em}%
1165 \begingroup
1166 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1167 \parfillskip -\@pnumwidth
1168 \leavevmode \bfseries
1169 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1170 \hskip -\if@RTL\rightskip\else\leftskip\fi
1171 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1172 \endgroup}
1173 \else
1174 \renewcommand*\l@section{\@regtocline{1}}
1175 \fi

```



```

1176 \if@titlepage
1177   \renewenvironment{abstract}{%
1178     \titlepage
1179     \null\vfil
1180     \section*{\SectFont\abstractname}%
1181     \noindent\ignorespaces}
1182   {\par\vfil\null\endtitlepage}
1183 \else
1184   \renewenvironment{abstract}{%
1185     \if@twocolumn
1186       \section*{\abstractname}%
1187     \else
1188       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1189       \section*{\small\SectFont\abstractname}%
1190       \noindent\ignorespaces
1191     \fi}
1192   {\if@twocolumn\else\par\egroup\fi}
1193 \fi
1194 \renewcommand*\left@footnoterule{%
1195   \kern-3\p@
1196   \kern.5\baselineskip
1197   \hrule\@width\unitindent
1198   \kern.4\baselineskip
1199 }
1200 \renewcommand*\right@footnoterule{%
1201   \kern-3\p@
1202   \kern.5\baselineskip
1203   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1204   \kern.4\baselineskip}
1205 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1206 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1207 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1208 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1209 \renewenvironment{thebibliography}[1]
1210   {\section*{\refname}%
1211     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1212     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1213     \list{\@biblabel{\@arabic\c@enumiv}}%
1214       {\settowidth\labelwidth{\@biblabel{#1}}%
1215         \leftmargin\labelwidth
1216         \advance\leftmargin\labelsep
1217         \@openbib@code
1218         \usecounter{enumiv}%
1219         \let\p@enumiv\@empty
1220         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1221     \sloppy\clubpenalty4000\widowpenalty4000%
1222     \sfcode`\.\@m}
1223   {\def\@noitemerr
1224     {\@latex@warning{Empty `thebibliography' environment}}%
1225     \endlist}

```



```

1226 \if@titlepage
1227 \renewcommand*\TitleFont{\rmfamily}
1228 \renewcommand*\maketitle{%
1229   \begin{titlepage}%
1230     \let\footnotesize\small
1231     \let\right@footnoterule\relax
1232     \let\left@footnoterule\relax
1233     \let\textwidth@footnoterule\relax
1234     \let \footnote \thanks
1235     \long\def\@makefnmark##1{\parindent\z@
1236       \def\labelitemi{\textendash}\@revlabeltrue
1237       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1238     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1239     \ifcompatibility\setcounter{page}{0}\fi
1240     \null\vfil
1241     \vskip 60\p@
1242     \begin{center}%
1243       \TitleFont
1244       {\LARGE \def\{\{\penalty -\@M}
1245         \if@allcaps
1246           \expandafter\uc@nothanks\@title\thanks\relax
1247         \else
1248           \@title
1249         \fi\par}%
1250       \vskip 3em%
1251       {\large
1252         \lineskip .75em \parindent\z@
1253         \begin{tabular}[t]{c}%
1254           \if@allcaps
1255             \expandafter\uc@authornothanks\@author\and\relax
1256           \else
1257             \@author
1258           \fi
1259         \end{tabular}\par}%
1260       \vskip 1.5em%
1261       {\large
1262         \if@allcaps
1263           \uppercase\expandafter{\@date}%
1264         \else
1265           \@date
1266         \fi\par}%
1267       \end{center}\par
1268       \@thanks
1269       \vfil\null
1270     \end{titlepage}%
1271     \setcounter{footnote}{0}%
1272     \global\let\thanks\relax
1273     \global\let\maketitle\relax
1274     \global\let\@thanks\@empty
1275     \global\let\@author\@empty

```



```

1276 \global\let\@title\@empty
1277 \global\let\@date\@empty
1278 \global\let\title\relax
1279 \global\let\author\relax
1280 \global\let\date\relax
1281 \global\let\and\relax
1282 }
1283 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1284 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1285 \futurelet\@tempa\uc@ax}
1286 \def\uc@ax{%
1287 \ifx\@tempa\relax
1288 \else
1289 \\\andname \\\expandafter\uc@authornothanks
1290 \fi}
1291 \def\uc@tx{\ifx\@tempa\relax
1292 \else \expandafter\uc@ty \fi}
1293 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1294 \else
1295 \renewcommand*\maketitle{\par
1296 \begingroup
1297 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1298 \def\@makefnmark{\rlap{%
1299 \@textsuperscript{\normalfont\@thefnmark}}}%
1300 \long\def\@makefntext{\@xmakefntext{%
1301 \@textsuperscript{\normalfont\@thefnmark}}}%
1302 \if@twocolumn
1303 \ifnum \col@number=\@one
1304 \@maketitle
1305 \else
1306 \twocolumn[\@maketitle]%
1307 \fi
1308 \else
1309 \newpage
1310 \global\@topnum\z@
1311 \@maketitle
1312 \fi
1313 \thispagestyle{plain}\@thanks
1314 \endgroup
1315 \setcounter{footnote}{0}%
1316 \global\let\thanks\relax
1317 \global\let\maketitle\relax
1318 \global\let\@maketitle\relax
1319 \global\let\@thanks\@empty
1320 \global\let\@author\@empty
1321 \global\let\@title\@empty
1322 \global\let\@date\@empty
1323 \global\let\title\relax
1324 \global\let\author\relax
1325 \global\let\date\relax

```



```

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

```

7.13 arydshln-xetex-bidi.def

```

1357 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for
1358 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1359 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
1360 \expandafter\let\csname endtabular*\endcsname\endtabular
1361 \let\adl@array\@array
1362 \def\@array{\adl@everyvbox\everyvbox
1363 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1364 \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1365 \let\adl@noalign\noalign
1366 \adl@array}
1367 \ifadl@usingarypkg
1368 \def\@testpach{\@chclass
1369 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1370 \ifnum \@lastchclass=7 5 \else
1371 \ifnum \@lastchclass=8 \tw@ \else
1372 \ifnum \@lastchclass=9 \thr@@

```




```

1373 \else \z@
1374 \ifnum \@lastchclass = 10 \else
1375 \edef\@nextchar{\expandafter\string\@nextchar}%
1376 \@chnum
1377 \if \@nextchar c\z@ \else
1378 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1379 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1380 \z@ \@chclass
1381 \if\@nextchar \\\@ne \let\@arrayrule\adl@arrayrule \else
1382 \if\@nextchar :\\@ne \let\@arrayrule\adl@arraydashrule \else
1383 \if\@nextchar ;\\@ne \let\@arrayrule\adl@argarraydashrule \else
1384 \if \@nextchar !6 \else
1385 \if \@nextchar @7 \else
1386 \if \@nextchar <8 \else
1387 \if \@nextchar >9 \else
1388 10
1389 \@chnum
1390 \if \@nextchar m\thr@@\else
1391 \if \@nextchar p4 \else
1392 \if \@nextchar b5 \else
1393 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1394 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1395
1396 \def\@classz{\@classx
1397 \@tempcnta \count@
1398 \prepnext@tok
1399 \@addtopreamble{\ifcase \@chnum
1400 \hfil
1401 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1402 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1403 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1404 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1405 \adl@endmbox\or
1406 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1407 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1408 \fi}\prepnext@tok}
1409 \def\adl@class@start{4}
1410 \def\adl@class@iiiorvii{7}
1411
1412 \else
1413 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1414 \ifnum \@lastchclass=\thr@@ 5\relax \else
1415 \z@ \if #1c\@chnum \z@ \else
1416 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1417 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1418 \@chclass
1419 \if #1\\@ne \let\@arrayrule\adl@arrayrule \else
1420 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1421 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1422 \if #1@\tw@ \else

```



```

1423             \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1424         \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1425
1426 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1427             \or \or \@addamp \or
1428             \@acolampacol \or \@firststampfalse \@acol \fi
1429     \edef\@preamble{\@preamble
1430         \ifcase \@chnum
1431             \hfil\adl@putlrc{$\relax\@sharp$}\hfil
1432             \or \adl@putlrc{$\relax\@sharp$}\hfil
1433             \or \hfil\adl@putlrc{$\relax\@sharp$}\fi}}
1434 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1435             \or \or \@addamp \or
1436             \@acolampacol \or \@firststampfalse \@acol \fi
1437     \edef\@preamble{\@preamble
1438         \ifcase \@chnum
1439             \hfil\adl@putlrc{\@sharp\unskip}\hfil
1440             \or \adl@putlrc{\@sharp\unskip}\hfil
1441             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1442 \def\adl@class@start{6}
1443 \def\adl@class@iiiorvii{3}
1444 \fi
1445 \ifpackageloaded{colortbl}{%
1446 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1447 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1448     \let\@endpbox\adl@org@endpbox}
1449 \let\adl@CT@setup\CT@setup
1450 \def\CT@setup{\adl@CT@setup
1451     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1452     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1453     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1454 \let\adl@act@CT@setup\CT@setup
1455 \def\@classz{\@classx
1456     \@tempcnta\count@ \prepnext@tok
1457     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1458     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1459     \expandafter\adl@extract@drsc
1460         \the\toks\@tempcnta\doublerulesepcolor!\@nil
1461     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1462     \@addtopreamble{\ifRTL\beginL\fi%
1463         \setbox\z@\hbox\bgroup\bgroup\ifRTL\beginR\fi
1464         \ifcase \@chnum
1465             \hskip\stretch{.5}\kern\z@
1466             \d@llarbegin
1467             \insert@column
1468             \d@llarend\hskip\stretch{.5}%
1469         \or \d@llarbegin \insert@column \d@llarend \hfill
1470         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1471         \or $\vcenter
1472             \@startpbox{\@nextchar}\insert@column \@endpbox $%

```



```

1473         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1474         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1475         \fi
1476         \if@RTL\endR\fi\egroup\egroup
1477         \begingroup
1478             \CT@setup
1479             \CT@column@color
1480             \CT@row@color
1481             \CT@cell@color
1482             \CT@do@color
1483         \endgroup
1484         \@tempdima\ht\z@
1485         \advance\@tempdima\minrowclearance
1486         \vrule\@height\@tempdima\@width\z@
1487         \unhbox\z@\if@RTL\endL\fi}%
1488     \prepnext@tok}
1489 \let\adl@act@classz\@classz
1490 \let\adl@org@classz\@classz
1491 }{}

```

7.14 bidi.sty

```

1492 \NeedsTeXFormat{LaTeX2e}
1493 \def\bididate{2015/11/22}
1494 \def\bidiversion{v18.7}
1495 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1496 Bidirectional typesetting in plain TeX and LaTeX]
1497 \edef\@bidi@info{*****~J%
1498 * ~J%
1499 * bidi package (Bidirectional typesetting in~J%
1500 * plain TeX and LaTeX, using XeTeX engine)~J%
1501 * ~J%
1502 * Description: A convenient interface for~J%
1503 * typesetting bidirectional texts in plain TeX~J%
1504 * and LaTeX. The package includes adaptations~J%
1505 * for use with many other commonly-used packages.~J%
1506 * ~J%
1507 * Copyright (c) 2009--2015 Vafa Khalighi~J%
1508 * ~J%
1509 * \bididate, \bidiversion~J%
1510 * ~J%
1511 * License: LaTeX Project Public License, version~J%
1512 * 1.3c or higher (your choice)~J%
1513 * ~J%
1514 * Location on CTAN: /macros/xetex/latex/bidi~J%
1515 * ~J%
1516 * Issue tracker: https://github.com/persian-tex/bidi/issues~J%
1517 * ~J%
1518 * Support: persian-tex@tug.org~J%
1519 *****}

```



```

1520 \typeout{\@bidi@info}
1521 \edef\bidi@everyjob{\the\everyjob}
1522 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1523 \RequirePackage{iftex}
1524 \RequireXeTeX
1525 \RequirePackage{biditools}
1526 \RequirePackage{zref-abspage}
1527 \RequirePackage{auxhook}
1528 \RequirePackage{ltxcmds}
1529 \RequirePackage{xkeyval}
1530 \eqnewif{\if@RTLmain}{\if@rlmain}
1531 \eqnewif{\if@RTL}{\if@rl}
1532 \newif\if@Latin
1533 \eqnewif{\if@RTLtab}{\if@tab@rl}
1534 \newif\if@RTLmarginpar
1535 \newif\if@LTRmarginpar
1536 \newif\if@LTRbibitems
1537 \newif\if@RTLbibitems
1538 \newif\if@extrafootnotefeatures
1539 \newif\if@parafootRTL
1540 \newif\if@RTLcolumnfootnotes
1541 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1542 \newif\if@bidi@list@minipage@parbox
1543 \newif\if@bidi@list@minipage@parbox@not@nob
1544 \@RTLmainfalse
1545 \AtBeginDocument{%
1546   \if@RTLmain\else
1547     \if@RTL\@RTLmaintrue%
1548     \else\@RTLmainfalse%
1549     \fi%
1550   \fi%
1551 }
1552 \let\n@xt=\
1553 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1554 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1555 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1556 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1557 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1558   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1559 \input{latex-xetex-bidi.def}
1560 \input{loadingorder-xetex-bidi.def}
1561 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1562   \ifcase\bidi@tempb\relax
1563     \@RTLtrue
1564   \or
1565     \@RTLfalse
1566   \fi}
1567 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1568   \ifcase\bidi@tempb\relax
1569     \@RTLtrue

```



```

1570 \or
1571 \RTLfalse
1572 \fi}
1573 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1574 \ifcase\bidi@tempb\relax
1575 \autofootnoterule
1576 \or
1577 \leftfootnoterule
1578 \or
1579 \rightfootnoterule
1580 \or
1581 \SplitFootnoteRule
1582 \or
1583 \textwidthfootnoterule
1584 \fi}
1585 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1586 \ifcase\bidi@tempb\relax
1587 \RTL@footnotetrue
1588 \or
1589 \RTL@footnotefalse
1590 \fi}
1591 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1592 \ifcase\bidi@tempb\relax
1593 \footdir@debugtrue
1594 \or
1595 \footdir@debugfalse
1596 \fi}
1597 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1598 \ifcase\bidi@tempb\relax
1599 \@extrafootnotefeaturestrue
1600 \or
1601 \@extrafootnotefeaturesfalse
1602 \fi}
1603
1604 \ProcessOptionsX
1605
1606 \if@extrafootnotefeatures
1607 \input{extrafootnotefeatures-xetex-bidi.def}
1608 \fi

```

7.15 bidi.tex

```

1609 \def\biddate{2015/10/16}
1610 \def\bidiversion{v0.3}
1611 \catcode`\@=11
1612 \let \protect \relax
1613 \newlinechar`\^^J
1614 \edef\@bidi@info{*****~^J%
1615 * ~^J%
1616 * bidi package (Bidirectional typesetting in~^J%

```



```

1617 * plain TeX and LaTeX, using XeTeX engine)^^J%
1618 * ^^J%
1619 * Description: A convenient interface for^^J%
1620 * typesetting bidirectional texts in plain TeX^^J%
1621 * and LaTeX. The package includes adaptations^^J%
1622 * for use with many other commonly-used packages.^^J%
1623 * ^^J%
1624 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1625 * ^^J%
1626 * \bididate, \bidiversion^^J%
1627 * ^^J%
1628 * License: LaTeX Project Public License, version^^J%
1629 * 1.3c or higher (your choice)^^J%
1630 * ^^J%
1631 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1632 * ^^J%
1633 * Issue tracker: https://github.com/persian-tex/bidi/issues^^J%
1634 * ^^J%
1635 * Support: persian-tex@tug.org^^J%
1636 *****}
1637 \message{\@bidi@info}
1638 \edef\bidi@everyjob{\the\everyjob}
1639 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1640 \input iftex.sty
1641 \RequireXeTeX
1642 \newif\if@RTLmain
1643 \newif\if@RTL
1644 \newif\if@sentedir
1645 \newif\if@RTL@footnote
1646 \@RTLmainfalse
1647 \def\setRTLmain{%
1648   \if@RTLmain\else
1649     \if@RTL\@RTLmaintrue%
1650     \else\@RTLmainfalse%
1651     \fi%
1652   \fi%
1653 }
1654 \let\n@xt=\
1655 \protected\def\LRE{\protect\pLRE}%
1656 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1657 \protected\def\RLE{\protect\pRLE}
1658 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1659 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1660   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1661 \input plain-xetex-bidi.def
1662 \catcode`\@=12

```

7.16 bidi2in1.sty

```

1663 \NeedsTeXFormat{LaTeX2e}

```



```

1664 \ProvidesPackage{bidi2in1}
1665 \pagestyle{plain}
1666 \newcount\evenpage
1667 \newcount\oddpge
1668 \twocolumn
1669 \def\@oddfoot{\evenpage=\thepage%
1670 \multiply\evenpage by 2%
1671 \oddpge=\the\evenpage%
1672 \advance\oddpge by -1%
1673 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1674 \def\@evenfoot{\evenpage=\thepage%
1675 \multiply\evenpage by 2%
1676 \oddpge=\the\evenpage%
1677 \advance\oddpge by -1%
1678 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1679 \textwidth 9.49in
1680 \textheight 6.7in
1681 \columnsep 0.9in
1682 \columnseprule 0.125pt
1683 \headheight 0cm
1684 \topmargin 0in
1685 \marginparwidth 0in
1686 \marginparsep 0in
1687 \hoffset 0.05in % Corrected
1688 \voffset -0.5in %top margin space is 1.0in by default
1689 \oddsidemargin 0in
1690 \evensidemargin 0in
1691 \headsep 0cm
1692 \topskip 0cm
1693 \parskip 0.15in %
1694 \headsep 0pt
1695 \special{papersize=11.69in,8.26in}
1696 \renewcommand\maketitle{\par
1697 \begingroup
1698 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1699 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1700 \long\def\@makefntext##1{\parindent 1em\noindent
1701 \hb@xt@1.8em{\%
1702 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1703 \maketitle
1704 \thanks
1705 \endgroup
1706 \setcounter{footnote}{0}%
1707 \global\let\thanks\relax
1708 \global\let\maketitle\relax
1709 \global\let\@maketitle\relax
1710 \global\let\@thanks\empty
1711 \global\let\@author\empty
1712 \global\let\@date\empty
1713 \global\let\@title\empty

```



```

1714 \global\let\title\relax
1715 \global\let\author\relax
1716 \global\let\date\relax
1717 \global\let\and\relax
1718 }

```

7.17 bidicode.sty

```

1719 \NeedsTeXFormat{LaTeX2e}
1720 \ProvidesPackage{bidicode}
1721 \RequirePackage{xcolor}
1722 \RequirePackage{showexpl}
1723 \definecolor{hellgelb}{rgb}{1,1,0.85}
1724 \definecolor{colKeys}{rgb}{0,0,1}
1725 \definecolor{colIdentifier}{rgb}{0,0,0}
1726 \definecolor{colComments}{rgb}{1,0,0}
1727 \definecolor{colString}{rgb}{0,0.5,0}
1728 \lstset{
1729     language=[LaTeX]TEX,
1730     float=hbp,
1731     basicstyle=\ttfamily\small,
1732     identifierstyle=\color{colIdentifier},
1733     keywordstyle=\color{colKeys},
1734     stringstyle=\color{colString},
1735     commentstyle=\color{colComments},
1736     columns=flexible,
1737     tabsize=4,
1738     gobble =1,
1739     extendedchars=true,
1740     showspaces=false,
1741     showstringspaces=false,
1742     numbers=left,
1743     numbersep=0.9em,
1744     numberstyle=\tiny, %
1745     frame=single,
1746     captionpos=b,
1747     xleftmargin=1em,
1748     breaklines=true,
1749     breakautoindent=false,
1750     breakindent=0pt,
1751     escapeinside=**,
1752     pos=r,
1753     explpreset={%
1754         xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1755     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1756 }
1757 \newcommand\HLON{%
1758     \gdef\lst@alloverstyle##1{%
1759         \fboxrule=0pt
1760         \fboxsep=0pt

```




```

1761 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1762 }}
1763 \newcommand\HLOFF{%
1764 \xdef\lst@alloverstyle##1{##1}%
1765 }
1766 \newcommand\Larg [1]{\normalfont\itshape#1\/\}
1767 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
1768 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
1769 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
1770 \newcommand\Largr[1]{\lr b\Larg{#1}\rrb}
1771 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{ }begin\lcb#1\rcb}}
1772 \newcommand\LEND[1]{\normalfont\ttfamily\bs{ }end\lcb#1\rcb}}
1773
1774 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
1775 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
1776 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`\}}
1777 \DeclareRobustCommand\lsb{\normalfont\ttfamily[{}]}
1778 \DeclareRobustCommand\rsb{\normalfont\ttfamily[]}}
1779 \DeclareRobustCommand\lr b{\normalfont\ttfamily({)}}
1780 \DeclareRobustCommand\rrb{\normalfont\ttfamily)})}
1781
1782 \def\Lcs#1{\nxLcs{#1}}
1783 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1784 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1785
1786 \def\Coordx#1{$x_{#1}$}
1787 \def\Coordy#1{$y_{#1}$}
1788 \def\Coordz#1{$z_{#1}$}
1789 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1790 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1791 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1792 \def\CAny{\Coordx{ },\kern 1pt\Coordy{ }}
1793 \def\CIIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
1794 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
1795 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
1796 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
1797 \def\coordx#1{($x_{#1}$)}
1798 \def\coordy#1{($y_{#1}$)}
1799 \def\coordz#1{($z_{#1}$)}
1800 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
1801 \def\ciiiiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
1802
1803 \newsavebox{\boxdef}
1804 \newenvironment{BDef}
1805 {\begin{lrbox}\boxdef
1806 \def\arraystretch{1.0}
1807 \begin{tabular}{@{}l@{}l@{}l@{}}
1808 }
1809 {\end{tabular}\end{lrbox}}
1810

```



```

1811 {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1812 \aftergroup\@afterindentfalse\aftergroup\@afterheading
1813 }
1814
1815 \newenvironment{BDef*}
1816 {\begin{lrbox}\boxdef
1817   \def\arraystretch{1.0}
1818   \begin{tabular}{@{}l@{}l@{}l@{}}
1819 }
1820 {\end{tabular}\end{lrbox}
1821 {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
1822 \aftergroup\@afterindentfalse\aftergroup\@afterheading
1823 }
1824 \newenvironment{BCmd}{
1825   \@beginparpenalty-\@lowpenalty
1826   \topsep\BDefaboveskip
1827   \fbboxsep3pt
1828   \flushleft}
1829 {\@endparpenalty\@M
1830   \@topsepadd\BDefbelowskip
1831   \endflushleft}
1832
1833 \newenvironment{BCmd*}{
1834   \@beginparpenalty\@M
1835   \topsep\BDefinlineskip
1836   \fbboxsep3pt
1837   \flushleft}
1838 {\@endparpenalty5000
1839   \endflushleft}
1840
1841 \newskip\BDefaboveskip
1842 \newskip\BDefbelowskip
1843 \newskip\BDefinlineskip
1844 \setlength\BDefaboveskip{10pt plus 4pt}
1845 \setlength\BDefbelowskip{6pt}
1846 \setlength\BDefinlineskip{6pt}
1847
1848 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
1849 \def\OptArg{\@ifnextchar*\OptArg@i\OptArg@ii*}
1850 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
1851 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

7.18 bidiftnxtra.sty

```

1852 \NeedsTeXFormat{LaTeX2e}
1853 \ProvidesPackage{bidiftnxtra}
1854 \newtoks\bidip@p@ftn
1855 \let\FN@sff@footnote\footnote
1856 \let\FN@sff@LTRfootnote\LTRfootnote
1857 \let\FN@sff@RTLfootnote\RTLfootnote

```



```

1858 \def\footnote{\ifx\protect\@typeset@protect
1859   \expandafter\FN@sfi@footnote
1860   \else
1861     \expandafter\FN@sfi@gobble@opt
1862   \fi
1863 }
1864 \def\LTRfootnote{\ifx\protect\@typeset@protect
1865   \expandafter\FN@sfi@LTRfootnote
1866   \else
1867     \expandafter\FN@sfi@gobble@opt
1868   \fi
1869 }
1870 \def\RTLfootnote{\ifx\protect\@typeset@protect
1871   \expandafter\FN@sfi@RTLfootnote
1872   \else
1873     \expandafter\FN@sfi@gobble@opt
1874   \fi
1875 }
1876 \edef\FN@sfi@gobble@opt{\noexpand\protect
1877   \expandafter\noexpand\csname FN@sfi@gobble@opt \endcsname}
1878 \expandafter\def\csname FN@sfi@gobble@opt \endcsname{%
1879   \@ifnextchar[%]
1880     \FN@sfi@gobble@twobrace
1881     \@gobble
1882 }
1883 \def\FN@sfi@gobble@twobrace[#1]#2{
1884 \let\FN@sfi@footnotemark\footnotemark
1885 \def\footnotemark{\ifx\protect\@typeset@protect
1886   \expandafter\FN@sfi@footnotemark
1887   \else
1888     \expandafter\FN@sfi@gobble@optonly
1889   \fi
1890 }
1891 \edef\FN@sfi@gobble@optonly{\noexpand\protect
1892   \expandafter\noexpand\csname FN@sfi@gobble@optonly \endcsname}
1893 \expandafter\def\csname FN@sfi@gobble@optonly \endcsname{%
1894   \@ifnextchar[%]
1895     \FN@sfi@gobble@brace
1896     {}%
1897 }
1898 \def\FN@sfi@gobble@brace[#1]{
1899 \def\@tabular{\if@RTL\global\@RTLtabtrue\fi
1900   \leavevmode \hbox \bgroup
1901   \let\@footnotetext\@bidi@p@fntext
1902   \let\@LTRfootnotetext\@bidi@p@LTRfntext
1903   \let\@RTLfootnotetext\@bidi@p@RTLfntext
1904   \let\@xfootnotenext\@bidi@p@xftntext
1905   \let\@xfootnote\@bidi@p@xfootnote
1906   \let\@xLTRfootnotenext\@bidi@p@xLTRfntext
1907   \let\@xLTRfootnote\@bidi@p@xLTRfootnote

```



```

1908 \let\@xRTLfootnotenext\@xRTLftntext
1909 \let\@xRTLfootnote\@xRTLfootnote
1910 \if@RTLtab\beginR \fi
1911 $\let\@acol\@tabacol
1912 \let\@classz\@tabclassz
1913 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
1914 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
1915 \egroup $\if@RTLtab\endR\fi\egroup
1916 \ifx\@capytype\@undefined
1917 \global\@xRTLftntext\expandafter{\expandafter}\the\@xRTLftntext\fi%
1918 \global\@RTLtabfalse}
1919 \long\def\@xRTLftntext#1{%
1920 \edef\@tempy{\the\@xRTLftntext\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
1921 \global\@xRTLftntext\expandafter{\@tempy{#1}}}%
1922 \long\def\@xLTRftntext#1{%
1923 \edef\@tempyi{\the\@xLTRftntext\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
1924 \global\@xLTRftntext\expandafter{\@tempyi{#1}}}%
1925 \long\def\@xRTLftntext#1{%
1926 \edef\@tempyii{\the\@xRTLftntext\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
1927 \global\@xRTLftntext\expandafter{\@tempyii{#1}}}%
1928
1929
1930 \long\def\@xftntext[#1]#2{%
1931 \global\@xftntext\expandafter{\the\@xftntext\footnotetext[#1]{#2}}}
1932
1933 \long\def\@xLTRftntext[#1]#2{%
1934 \global\@xLTRftntext\expandafter{\the\@xLTRftntext\LTRfootnotetext[#1]{#2}}}
1935
1936 \long\def\@xRTLftntext[#1]#2{%
1937 \global\@xRTLftntext\expandafter{\the\@xRTLftntext\RTLfootnotetext[#1]{#2}}}
1938
1939
1940 \def\@xfootnote[#1]{%
1941 \begingroup
1942 \csname c@\@mpfn\endcsname #1\relax
1943 \unrestored@protected@xdef\@thefnmark{\thempfn}%
1944 \endgroup
1945 \@footnotemark\@xftntext[#1]}
1946
1947
1948 \def\@xLTRfootnote[#1]{%
1949 \begingroup
1950 \csname c@\@mpfn\endcsname #1\relax
1951 \unrestored@protected@xdef\@thefnmark{\thempfn}%
1952 \endgroup
1953 \@footnotemark\@xLTRftntext[#1]}
1954
1955
1956 \def\@xRTLfootnote[#1]{%
1957 \begingroup

```



```

1958     \csname c@\mpfn\endcsname #1\relax
1959     \unrestored@protected@xdef\@thefnmark{\thempfn}%
1960 \endgroup
1961 \@footnotemark\@bidi@p@xRTLftntext[#1]}
1962
1963 \def\@xfloat #1[#2]{%
1964 \@nodocument
1965 \def \@captype {#1}%
1966 \def \@fps {#2}%
1967 \@onelevel@sanitize \@fps
1968 \def \reserved@b {!}%
1969 \ifx \reserved@b \@fps
1970 \@fpsadddefault
1971 \else
1972 \ifx \@fps \@empty
1973 \@fpsadddefault
1974 \fi
1975 \fi
1976 \ifhmode
1977 \@bsphack
1978 \@floatpenalty -\@Mii
1979 \else
1980 \@floatpenalty-\@Miii
1981 \fi
1982 \ifinner
1983 \@parmoderr\@floatpenalty\z@
1984 \else
1985 \@next\@currbox\@freelist
1986 {%
1987 \@tempcnta \sixt@@n
1988 \expandafter \@tfor \expandafter \reserved@a
1989 \expandafter :\expandafter =\@fps
1990 \do
1991 {%
1992 \if \reserved@a h%
1993 \ifodd \@tempcnta
1994 \else
1995 \advance \@tempcnta \@ne
1996 \fi
1997 \fi
1998 \if \reserved@a t%
1999 \setfpsbit \tw@
2000 \fi
2001 \if \reserved@a b%
2002 \setfpsbit 4%
2003 \fi
2004 \if \reserved@a p%
2005 \setfpsbit 8%
2006 \fi
2007 \if \reserved@a !%

```



```

2008          \ifnum \@tempcnta>15
2009            \advance\@tempcnta -\sixt@@n\relax
2010          \fi
2011        \fi
2012      }%
2013    \@tempcntb \csname ftype@\@capytype \endcsname
2014    \multiply \@tempcntb \@xxxii
2015    \advance \@tempcnta \@tempcntb
2016    \global \count\@currbox \@tempcnta
2017  }%
2018  \@fltovf
2019 \fi
2020 \global \setbox\@currbox
2021   \color@vbox
2022   \normalcolor
2023   \vbox \bgroup
2024   \let\@footnotetext\@bidi@p@ftntext
2025   \let\@LTRfootnotetext\@bidi@p@LTRftntext
2026   \let\@RTLfootnotetext\@bidi@p@RTLftntext
2027   \let\@xfootnotenext\@bidi@p@xftntext
2028   \let\@xfootnote\@bidi@p@xfootnote
2029   \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2030   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2031   \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2032   \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2033   \hsize\columnwidth
2034   \@parboxrestore
2035   \@floatboxreset
2036 }
2037 \def \@@endfloatbox{%
2038   \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2039   \@minipagefalse
2040   \outer@nobreak
2041   \egroup              %% end of vbox
2042   \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2043   \color@endbox
2044 }

```

7.19 bidi-longtable.sty

```

2045 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
2046 \def\longtable{\if@RTL\@RTLtabtrue\fi%
2047   \par
2048   \ifx\multicols\@undefined
2049   \else
2050     \ifnum\col@number>\@one
2051     \@twocolumntrue
2052   \fi
2053 \fi
2054 \if@twocolumn

```



```

2055 \LT@err{longtable not in 1-column mode}\@ehc
2056 \fi
2057 \begingroup
2058 \@ifnextchar[\LT@array{\LT@array[x]}]
2059 \def\endlongtable{%
2060 \crr
2061 \noalign{%
2062 \let\LT@entry\LT@entry@chop
2063 \xdef\LT@save@row{\LT@save@row}}%
2064 \LT@echunk
2065 \LT@start
2066 \unvbox\z@
2067 \LT@get@widths
2068 \if@files
2069 {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2070 \gdef\expandafter\noexpand
2071 \csname LT@romannumeral\c@LT@tables\endcsname
2072 {\LT@save@row}}}%
2073 \fi
2074 \ifx\LT@save@row\LT@save@row
2075 \else
2076 \LT@warn{Column \width s have changed\MessageBreak
2077 in table \thetable}%
2078 \LT@final@warn
2079 \fi
2080 \endgraf\penalty -\LT@end@pen
2081 \endgroup
2082 \global\@mparbottom\z@
2083 \pagegoal\vsiz
2084 \endgraf\penalty\z@\addvspace\LTpost
2085 \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2086 \def\LT@output{%
2087 \ifnum\outputpenalty <-\@Mi
2088 \ifnum\outputpenalty > -\LT@end@pen
2089 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2090 \else
2091 \setbox\z@\vbox{\unvbox\@cclv}%
2092 \ifdim \ht\LT@lastfoot>\ht\LT@foot
2093 \dimen@pagegoal
2094 \advance\dimen@-\ht\LT@lastfoot
2095 \ifdim\dimen@<\ht\z@
2096 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2097 \makecol
2098 \outputpage
2099 \setbox\z@\vbox{\box\LT@head}%
2100 \fi
2101 \fi
2102 \global\@colroom\colht
2103 \global\vsiz\colht
2104 \vbox

```



```

2105     {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastf
2106     \fi
2107     \else
2108     \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RTLta
2109     \@makecol
2110     \@outputpage
2111     \global\size\@colroom
2112     \copy\LT@head\nobreak
2113     \fi}

```

7.20 bidimoderncv.cls

```

2114 \NeedsTeXFormat{LaTeX2e}
2115 \ProvidesClass{bidimoderncv}
2116 \newif\if@DEBUG\@DEBUGfalse
2117 \DeclareOption{a4paper}{
2118   \setlength\paperheight{297mm}
2119   \setlength\paperwidth{210mm}}
2120 \DeclareOption{a5paper}{
2121   \setlength\paperheight{210mm}
2122   \setlength\paperwidth{148mm}}
2123 \DeclareOption{b5paper}{
2124   \setlength\paperheight{250mm}
2125   \setlength\paperwidth{176mm}}
2126 \DeclareOption{letterpaper}{
2127   \setlength\paperheight{11in}
2128   \setlength\paperwidth{8.5in}}
2129 \DeclareOption{legalpaper}{
2130   \setlength\paperheight{14in}
2131   \setlength\paperwidth{8.5in}}
2132 \DeclareOption{executivepaper}{
2133   \setlength\paperheight{10.5in}
2134   \setlength\paperwidth{7.25in}}
2135 \DeclareOption{landscape}{
2136   \setlength\@tempdima{\paperheight}
2137   \setlength\paperheight{\paperwidth}
2138   \setlength\paperwidth{\@tempdima}}
2139 \newcommand\@ptsize{}
2140 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2141 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2142 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2143 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2144 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2145 \newif\if@colour\@colourtrue
2146 \DeclareOption{nocolour}{\@colourfalse}
2147 \ExecuteOptions{a4paper,11pt,colour,final}
2148 \ProcessOptions\relax
2149 \input{size1\@ptsize.clo}
2150 \RequirePackage{color}
2151 \RequirePackage{graphicx}

```




```

2152 \RequirePackage{ifthen}
2153 \RequirePackage{marvosym}
2154 \addtolength{\oddsidemargin}{-54pt}
2155 \addtolength{\textwidth}{109pt}
2156 \addtolength{\topmargin}{-70pt}
2157 \addtolength{\textheight}{122pt}
2158 \addtolength{\marginparsep}{-5pt}
2159 \addtolength{\marginparwidth}{-10pt}
2160 \RequirePackage{url}
2161 \RequirePackage{hyperref}
2162 \hypersetup{%
2163   breaklinks,
2164   baseurl      = http://,%
2165   pdfborder    = 0 0 0,%
2166   pdfpagemode  = UseNone,%
2167   pdfstartpage = 1}
2168 \AtEndOfClass{%
2169   \AtBeginDocument{%
2170     \hypersetup{%
2171       pdfauthor      = \@firstname~\@familyname,%
2172       pdftitle       = \@title,%
2173       pdfsubject     = \@firstname~\@familyname,%
2174       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
2175 \urlstyle{tt}
2176 \RequirePackage{fancyhdr}
2177 \fancypagestyle{plain}{%
2178   \renewcommand{\headrulewidth}{0pt}
2179   \renewcommand{\footrulewidth}{0pt}
2180   \fancyhf{}}
2181 \pagestyle{plain}
2182 \setlength\lineskip{1\p@}
2183 \setlength\normallineskip{1\p@}
2184 \renewcommand\baselinestretch{}
2185 \setlength{\parindent}{0pt}
2186 \setlength{\parskip}{0pt}
2187 \setlength\columnsep{10\p@}
2188 \setlength\columnseprule{0\p@}
2189 \pagestyle{empty}
2190 \pagenumbering{arabic}
2191 \raggedbottom
2192 \onecolumn
2193 \providecommand*\listitemsymbol{\textbullet}
2194 \providecommand*\addresssymbol{}
2195 \providecommand*\mobilesymbol{\Mobilefone}
2196 \providecommand*\phonesymbol{\Telefon}
2197 \providecommand*\faxsymbol{\FAX}
2198 \providecommand*\emailsymbol{\Letter}
2199 \definecolor{firstnamecolour}{rgb}{0,0,0}
2200 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2201 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}

```



```

2202 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2203 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2204 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2205 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2206 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2207 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2208 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2209 \providecommand*\{firstfont}\{}
2210 \providecommand*\{familynamefont}\{}
2211 \providecommand*\{titlefont}\{}
2212 \providecommand*\{addressfont}\{}
2213 \providecommand*\{quote\font}\{}
2214 \providecommand*\{sectionfont}\{}
2215 \providecommand*\{subsectionfont}\{}
2216 \providecommand*\{hintfont}\small
2217 \providecommand*\{firstnamestyle}[1]{\{firstfont\@firstnamecolour#1}}
2218 \providecommand*\{familynamestyle}[1]{\{familynamefont\@familynamecolour#1}}
2219 \providecommand*\{titlestyle}[1]{\{titlefont\@titlecolour#1}}
2220 \providecommand*\{addresstyle}[1]{\{addressfont\@addresscolour#1}}
2221 \providecommand*\{quotestyle}[1]{\{quote\font\@quote\colour#1}}
2222 \providecommand*\{sectionstyle}[1]{\{sectionfont\@sectiontitlecolour#1}}
2223 \providecommand*\{subsectionstyle}[1]{\{subsectionfont\@subsectioncolour#1}}
2224 \providecommand*\{hintstyle}[1]{\{hintfont\@hintcolour#1}}
2225 \newcommand*\{cvtheme}[2][\{}
2226 \def\@cvtheme{#2}
2227 \def\@cvthemeoptions{#1}}
2228 \cvtheme{bidi-casual}
2229 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2230 \newcommand*\{resumename}[1]{\def\@resumename{#1}}
2231 \newcommand*\{firstname}[1]{\def\@firstname{#1}}
2232 \newcommand*\{familyname}[1]{\def\@familyname{#1}}
2233 \renewcommand*\{title}[1]{\def\@title{#1}}
2234 \newcommand*\{address}[1]{\def\@address{#1}}
2235 \newcommand*\{mobile}[1]{\def\@mobile{#1}}
2236 \newcommand*\{phone}[1]{\def\@phone{#1}}
2237 \renewcommand*\{fax}[1]{\def\@fax{#1}}
2238 \newcommand*\{email}[1]{\def\@email{#1}}
2239 \newcommand*\{extrainfo}[1]{\def\@extrainfo{#1}}
2240 \def\@photowidth{0pt}
2241 \newcommand*\{photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2242 \newcommand*\{quote}[1]{\def\@quote{#1}}
2243 \newlength\{quotewidth}
2244 \newlength\{hintscolumnwidth}
2245 \newlength\{separatorcolumnwidth}
2246 \setlength\{separatorcolumnwidth}{0.025\textwidth}
2247 \newlength\{maincolumnwidth}
2248 \newlength\{doubleitemmaincolumnwidth}
2249 \newlength\{listitemsymbolwidth}
2250 \settowidth\{listitemsymbolwidth}{\listitemsymbol{~}}
2251 \newlength\{listitemmaincolumnwidth}

```



```

2252 \newlength{\listdoubleitemmaincolumnwidth}
2253 \newcommand*{\recomputethemelengths}{}
2254 \newcommand*{\recomputelengths}{%
2255 \setlength{\quotewidth}{0.65\textwidth}%
2256 \setlength{\maincolumnwidth}{\textwidth}%
2257 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2258 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2259 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2260 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2261 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2262 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2263 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2264 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2265 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2266 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2267 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2268 \renewcommand{\headwidth}{\textwidth}%
2269 \recomputethemelengths}
2270 \setlength{\hintscolumnwidth}{0.15\textwidth}
2271 \recomputelengths
2272 \title{}
2273 \renewcommand*{\maketitle}{}
2274 \newcommand*{\section}[1]{%
2275 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2276 \phantomsection}%
2277 \addcontentsline{toc}{part}{#1}%
2278 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}
2279 \hspace{\separatorcolumnwidth}%
2280 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\}[1ex]}
2281 \newcommand*{\subsection}[1]{%
2282 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2283 \newcommand*{\cvline}[3][.25em]{%
2284 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}
2285 \bidi@raggedleft\hintfont{#2} \&{#3}%
2286 \end{tabular}}\[#1]}
2287 \newcommand*{\cvdoubleitem}[4]{%
2288 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2289 \hfill%
2290 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\se
2291 \newcommand*{\cvlistitem}[2][\listitemsymbol]{}{%
2292 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
2293 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{}{%
2294 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2295 \hfill%
2296 \ifthenelse{\equal{#3}{}}{%
2297 {}%
2298 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2299 \newcommand*{\cventry}[6]{%
2300 \cvline{#1}{%
2301 {\bfseries#2}%

```



```

2302 \ifx#3\else{, {\slshape#3}}\fi%
2303 \ifx#4\else{, #4}\fi%
2304 \ifx#5\else{, #5}\fi%
2305 .%
2306 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2307 }%
2308 \newcommand*{\cvlanguage}[3]{%
2309 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{m
2310 \newcommand*{\cvcomputer}[4]{%
2311 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2312 \newcommand*{\link}[2][]{%
2313 \ifthenelse{\equal{#1}{}}{%
2314 {\href{#2}{#2}}%
2315 {\href{#2}{#1}}}
2316 \newcommand*{\httplink}[2][]{%
2317 \ifthenelse{\equal{#1}{}}{%
2318 {\href{http://#2}{#2}}%
2319 {\href{http://#2}{#1}}}
2320 \newcommand*{\emailink}[2][]{%
2321 \ifthenelse{\equal{#1}{}}{%
2322 {\href{mailto:#2}{#2}}%
2323 {\href{mailto:#2}{#1}}}
2324 \newif\if@displaypagenumbers\@displaypagenumberstrue
2325 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2326 \AtBeginDocument{%
2327 \if@displaypagenumbers%
2328 \@ifundefined{r@lastpage}{\}%
2329 \ifthenelse{\pageref{lastpage} > 1}{%
2330 \fancypagestyle{plain}{%
2331 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref
2332 \pagestyle{plain}}}{\}%
2333 \AtEndDocument{\label{lastpage}}%
2334 \fi}
2335 \newlength{\bibindent}
2336 \setlength{\bibindent}{1.5em}
2337 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2338 \newenvironment{thebibliography}[1]{%
2339 {%
2340 \section{\refname}%
2341 \small%
2342 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2343 \begin{list}{\bibliographyitemlabel}%
2344 {%
2345 \setlength{\topsep}{0pt}%
2346 \setlength{\labelwidth}{\hintscolumnwidth}%
2347 \setlength{\labelsep}{\separatorcolumnwidth}%
2348 \leftmargin\labelwidth%
2349 \advance\leftmargin\labelsep%
2350 \@openbib@code%
2351 \usecounter{enumiv}%

```



```

2352         \let\p@enumiv\empty%
2353         \renewcommand\theenumiv{\@arabic\c@enumiv}}}%
2354         \sloppy\clubpenalty4000\widowpenalty4000%
2355     }%
2356     {%
2357     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}}%
2358     \end{list}}%
2359 }
2360 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2361 \let\@openbib@code\empty

```

7.21 biditools.sty

```

2362 \NeedsTeXFormat{LaTeX2e}
2363 \ProvidesPackage{biditools}[2015/11/14 v0.8 Programming tools for bidi package]
2364 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2365   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2366   \ifx\@tempa\@tempb \global\let#2#1%
2367   \else
2368     \edef\@tempb{\meaning#2}%
2369     \ifx\@tempa\@tempb
2370     \else
2371       \@latex@error{Unable to properly define \string#2; primitive
2372         \noexpand#1no longer primitive}\@eha
2373     \fi
2374   \fi
2375   \endgroup}
2376 \newtoks\@bidi@envbody
2377 \newtoks\@bidi@emptytoks
2378 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2379 \def\bidi@collect@body#1{%
2380   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2381 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
2382 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2383 \begingroup
2384 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@body
2385 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2386 \bidi@process@envbody
2387 }
2388 \def\bidi@push@begins#1\begin#2{%
2389   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2390 }
2391 \def\bidi@collect@@body#1\end#2{%
2392   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2393   \ifx\empty\begin@bidi@stack
2394     \endgroup
2395     \@checkend{#2}%
2396     \bidi@addto@envbody{#1}%
2397   \else
2398     \bidi@addto@envbody{#1\end{#2}}%

```



```

2399 \fi
2400 \bidi@process@envbody % A little tricky! Note the grouping
2401 }
2402 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2403 \long\def\bidi@collect@long@body#1{%
2404   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2405   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2406   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2407   \begingroup
2408   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@body
2409   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2410   \bidi@process@envbody
2411 }
2412 \long\def\bidi@push@long@begins#1\begin#2{%
2413   \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2414 }
2415 \long\def\bidi@collect@long@@body#1\end#2{%
2416   \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@st
2417   \ifx\@empty\begin@bidi@stack
2418     \endgroup
2419     \@checkend{#2}%
2420     \bidi@addto@long@envbody{#1}%
2421   \else
2422     \bidi@addto@long@envbody{#1\end{#2}}%
2423   \fi
2424   \bidi@process@envbody % A little tricky! Note the grouping
2425 }
2426 \long\def\bidi@new@ifnextchar#1#2#3{%
2427   \let\reserved@d= #1%
2428   \def\reserved@a{#2}\def\reserved@b{#3}%
2429   \futurelet\@let@token\bidi@new@ifnch
2430 }
2431 \def\bidi@new@ifnch{%
2432   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2433   \reserved@b
2434 }
2435 \def\bidi@matrix@check#1{%
2436   \expandafter\ifx\csname\@currenvir\endcsname#1%
2437   \else\bidi@matrix@error#1%
2438     \expandafter\@gobble
2439   \fi
2440 }
2441 \def\bidi@matrix@error#1{%
2442   \PackageError{biditools}{%
2443     Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2444   }{%
2445     '\string#1{...}' is old bidi package syntax whose use is
2446     ill-advised in the old versions of bidi package.%
2447   }%
2448 }

```



```

2449 \def\@tagsextension{clo}
2450 \def\@definitionfileextension{def}
2451 \def\@texfileextension{tex}
2452 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2453 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2454 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2455 \def\eqnewif#1#2{%
2456   \count@\escapechar \escapechar\m@ne
2457   \let#1\iffalse
2458   \let#2\iffalse
2459   \eq@if#1#2\iftrue
2460   \eq@if#1#2\iffalse
2461   \escapechar\count@}
2462 \def\eq@if#1#2#3{%
2463   \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2464     \expandafter\@gobbletwo\string#3\endcsname
2465     {\let#1#3%
2466     \let#2#3}%
2467   \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2468     \expandafter\@gobbletwo\string#3\endcsname
2469     {\let#2#3%
2470     \let#1#3}}
2471 \def\@bidi@removefromreset#1#2{%
2472   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2473   \def\@elt##1{%
2474     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2475     \else
2476       \noexpand\@elt{##1}%
2477     \fi}%
2478   \expandafter\xdef\csname cl@#2\endcsname{%
2479     \csname cl@#2\endcsname}}
2480 \newcommand*{\if@bidi@csdef}[1]{%
2481   \ifcsname#1\endcsname
2482     \expandafter\@firstoftwo
2483   \else
2484     \expandafter\@secondoftwo
2485   \fi}
2486 \newcommand*{\if@bidi@csundef}[1]{%
2487   \ifcsname#1\endcsname
2488     \expandafter\ifx\csname#1\endcsname\relax
2489     \expandafter\expandafter
2490     \expandafter\@firstoftwo
2491   \else
2492     \expandafter\expandafter
2493     \expandafter\@secondoftwo
2494   \fi
2495   \else
2496     \expandafter\@firstoftwo
2497   \fi}
2498 \newcommand{\if@bidi@def}[1]{%

```



```

2499 \ifdefined#1%
2500 \expandafter\@firstoftwo
2501 \else
2502 \expandafter\@secondoftwo
2503 \fi}
2504 \newcommand{\if@bidi@undef}[1]{%
2505 \ifdefined#1%
2506 \ifx#1\relax
2507 \expandafter\expandafter
2508 \expandafter\@firstoftwo
2509 \else
2510 \expandafter\expandafter
2511 \expandafter\@secondoftwo
2512 \fi
2513 \else
2514 \expandafter\@firstoftwo
2515 \fi}
2516 \newcommand{\if@bidi@blank}[1]{% from url.sty
2517 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2518 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2519 \newcommand{\bidi@notblank}[1]{%
2520 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2521 \newcommand{\if@bidi@defmacro}{%
2522 \long\edef\if@bidi@defmacro#1{%
2523 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2524 \noexpand\meaning#1\detokenize{macro}:&}
2525 \edef\bidi@ifdefmacro{%
2526 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2527 \bidi@ifdefmacro{\bidi@notblank{#2}}
2528 \newcommand*{\if@bidi@csmacro}[1]{%
2529 \if@bidi@csdef{#1}
2530 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2531 {\@secondoftwo}}
2532 \newcommand{\if@bidi@defprimitive}[1]{%
2533 \ifprimitive#1%
2534 \expandafter\@firstoftwo
2535 \else
2536 \expandafter\@secondoftwo
2537 \fi}
2538 \newcommand{\if@bidi@csprimitive}[1]{%
2539 \begingroup\expandafter\expandafter\expandafter\endgroup%
2540 \expandafter\ifprimitive\csname#1\endcsname%
2541 \expandafter\@firstoftwo
2542 \else
2543 \expandafter\@secondoftwo
2544 \fi}
2545 \newcommand*{\bidi@csdefcs}[2]{%
2546 \expandafter\@ifdefinable \csname#1\endcsname{%
2547 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2548 \newcommand*{\bidi@csletcs}[2]{%

```




```

2549 \expandafter\@ifdefinable \csname#1\endcsname{%
2550 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2551 \newcommand*{\bidi@cslet}[2]{%
2552 \expandafter\@ifdefinable \csname#1\endcsname{%
2553 \expandafter\let\csname#1\endcsname#2}}
2554 \newcommand{\bidi@namelongdef}[1]{%
2555 \long\expandafter\def\csname #1\endcsname{
2556 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2557 \def\bidi@ensure@new@command#1{%
2558 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}}\endgroup
2559 \expandafter\if@bidi@csundef\@gtempa
2560 {\new@command#1}{\relax%
2561 \let\@ifdefinable\@rc@ifdefinable%
2562 \new@command#1}}
2563 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2564
2565 \protected\def\bidi@error{\PackageError{bidi}}
2566 \protected\def\bidi@warning{\PackageWarning{bidi}}
2567 \protected\def\bidi@info{\PackageInfo{bidi}}
2568
2569 \newcommand*{\bidi@newrobustcmd}{}
2570 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2571
2572 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2573
2574 \def\bidi@newcommand#1[#2]{%
2575 \@ifnextchar[%
2576 {\bidi@xargdef#1[#2]}
2577 {\ifx\l@ngrel@x\relax
2578 \let\l@ngrel@x\protected
2579 \else
2580 \protected\def\l@ngrel@x{\protected\long}%
2581 \fi
2582 \@argdef#1[#2]}}
2583
2584 \long\def\bidi@xargdef#1[#2][#3]#4{%
2585 \@ifdefinable#1{%
2586 \expandafter\protected
2587 \expandafter\def
2588 \expandafter#1%
2589 \expandafter{%
2590 \expandafter\@testopt
2591 \csname\string#1\endcsname{#3}}%
2592 \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}}
2593
2594 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2595
2596 \def\bidi@renew@command#1{%
2597 \if@bidi@undef{#1}
2598 {\bidi@error{\string#1 undefined}\@ehc}

```



```

2599     {}%
2600 \let\@ifdefinable\@rc@ifdefinable
2601 \bidi@new@command#1}
2602
2603
2604
2605 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2606
2607 \def\bidi@provide@command#1{%
2608   \if@bidi@undef{#1}
2609     {\def\reserved@a{\bidi@new@command#1}}
2610     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2611   \reserved@a}
2612
2613 \newcommand*{\bidi@csuse}[1]{%
2614   \ifcsname#1\endcsname
2615     \csname#1\expandafter\endcsname
2616   \fi}
2617
2618 \newcommand{\bidi@expandonce}[1]{%
2619   \unexpanded\expandafter{#1}}
2620
2621 \def\bidi@protected{%
2622   \let\@protect\protect
2623   \let\protect\@unexpandable@protect
2624   \afterassignment\restore@protect}
2625
2626 \bidi@newrobustcmd{\bidi@appto}[2]{%
2627   \if@bidi@undef{#1}
2628     {\edef#1{\unexpanded{#2}}}
2629     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2630 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2631   \if@bidi@undef{#1}
2632     {\edef#1{#2}}
2633     {\edef#1{\bidi@expandonce#1#2}}}
2634 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2635   \if@bidi@undef{#1}
2636     {\xdef#1{\unexpanded{#2}}}
2637     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2638 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2639   \if@bidi@undef{#1}
2640     {\xdef#1{#2}}
2641     {\xdef#1{\bidi@expandonce#1#2}}}
2642
2643 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2644 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2645
2646
2647
2648 \bidi@newrobustcmd{\bidi@preto}[2]{%

```



```

2649 \if@bidi@undef{#1}
2650   {\edef#1{\unexpanded{#2}}}
2651   {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2652 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2653   \if@bidi@undef{#1}
2654     {\edef#1{#2}}
2655     {\edef#1{#2\bidi@expandonce#1}}}
2656 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2657   \if@bidi@undef{#1}
2658     {\xdef#1{\unexpanded{#2}}}
2659     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2660 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2661   \if@bidi@undef{#1}
2662     {\xdef#1{#2}}
2663     {\xdef#1{#2\bidi@expandonce#1}}}
2664
2665 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2666 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2667
2668
2669
2670 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2671 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2672 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2673 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2674 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2675 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2676
2677
2678
2679 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2680 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2681 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2682 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2683 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2684 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2685
2686
2687
2688 \bidi@newrobustcmd{\if@bidi@patchable}{%
2689   \bidi@dbg@trce\if@bidi@patchable
2690   \begingroup
2691   \@makeother\#%
2692   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2693
2694 \long\def\bidi@ifpatchable#1#2{%
2695   \endgroup
2696   \bidi@dbg@init#1%
2697   \if@bidi@undef{#1}
2698     {\bidi@dbg@fail{def}\@secondoftwo}

```



```

2699 {\bidi@dbg@info{def}}%
2700 \if@bidi@defmacro{#1}
2701 {\bidi@dbg@info{mac}}%
2702 \bidi@ifscanable{#1}
2703 {\bidi@ifhashcheck{#2}
2704 {\bidi@dbg@info{tok}}%
2705 \bidi@ifpattern#1{#2}
2706 {\bidi@dbg@info{pat}}%
2707 \bidi@dbg@info{pos}\@firstoftwo}
2708 {\bidi@dbg@fail{pat}\@secondoftwo}}
2709 {\bidi@dbg@fail{hsh}\@secondoftwo}}
2710 {\bidi@dbg@fail{tok}\@secondoftwo}}
2711 {\bidi@dbg@fail{mac}\@secondoftwo}}}
2712
2713 \long\def\bidi@ifpatchable@i#1{%
2714 \endgroup
2715 \bidi@dbg@init#1%
2716 \if@bidi@undef{#1}
2717 {\bidi@dbg@fail{def}\@secondoftwo}
2718 {\bidi@dbg@info{def}}%
2719 \if@bidi@defmacro{#1}
2720 {\bidi@dbg@info{mac}}%
2721 \if@bidi@defparam{#1}
2722 {\bidi@dbg@info{prm}}%
2723 \bidi@ifscanable{#1}
2724 {\bidi@dbg@info{tok}}%
2725 \bidi@dbg@info{pos}\@firstoftwo}
2726 {\bidi@dbg@fail{tok}\@secondoftwo}}
2727 {\bidi@dbg@info{prl}}%
2728 \if@bidi@defprotected{#1}
2729 {\bidi@dbg@info{pro}}
2730 {}%
2731 \bidi@dbg@info{pos}\@firstoftwo}}
2732 {\bidi@dbg@fail{mac}\@secondoftwo}}}
2733
2734 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2735 \bidi@dbg@trce\bidi@patchcmd
2736 \begingroup
2737 \@makeother\#%
2738 \bidi@@patchcmd}
2739
2740 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2741 \bidi@ifpatchable#2{#3}
2742 {\bidi@dbg@succ{ret}}%
2743 \begingroup
2744 \edef\bidi@resrvda{%
2745 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3{%
2746 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3}}%
2747 \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2{%
2748 ####1\detokenize{#4}####2}%

```



```

2749     \edef\noexpand\bidiresrvda{%
2750         \noexpand\bidiresrvda\meaning#2&}}%
2751     \bidiresrvda
2752     \bidipatchcmd@scantoks\bidiresrvda
2753     \let#2\bidiresrvda
2754     \bidiundef\bidiresrvda
2755     \@firstoftwo}
2756     {\@secondoftwo}}
2757
2758 \def\bidipatchcmd@scantoks#1{%
2759     \edef\bidiresrvda\endgroup
2760     \unexpanded{\makeatletter\scantoks}{#1}%
2761     \catcode\number`\@=\the\catcode`\@ \relax}%
2762     \bidiresrvda}
2763
2764 \newcommand\bidisloaded[2] [] {
2765     \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
2766     \expandafter\newif\csname if@bidi@#2loaded@\endcsname
2767     \fi
2768     \@ifpackageloaded{#2}
2769     {\csname @bidi@#2loaded@true\endcsname #1}
2770     {\csname @bidi@#2loaded@false\endcsname}}
2771
2772 \protected\def\bidifscanable#1{%
2773     \begingroup
2774     \edef\bidiresrvda{%
2775         \def\noexpand\bidiresrvda####1\detokenize{macro}:####2->####3&{%
2776             ####1\def\string\bidiresrvda####2{####3}}}%
2777     \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
2778     \bidiresrvda
2779     \makeatletter
2780     \scantoks\expandafter{\bidiresrvda}%
2781     \expandafter\endgroup\ifx#1\bidiresrvda
2782     \expandafter\@firstoftwo
2783     \else
2784     \expandafter\@secondoftwo
2785     \fi}
2786
2787
2788 \protected\long\def\bidifhashcheck#1{%
2789     \begingroup
2790     \edef\bidiresrvda{\detokenize{#1}}}%
2791     \expandafter\endgroup
2792     \expandafter\bidifhashcheck@i\meaning\bidiresrvda&}
2793
2794 \edef\bidifhashcheck@i#1&{%
2795     \noexpand\expandafter
2796     \noexpand\bidifhashcheck@ii
2797     \noexpand\strip@prefix#1\string#\string#&}
2798

```



```

2799 \edef\bidii@ifhashcheck@ii{%
2800   \def\noexpand\bidii@ifhashcheck@ii##1\string#\string###2&{%
2801     \bidii@ifhashcheck@ii{\if@bidib@blank{#2}}
2802
2803
2804 \protected\long\def\bidii@ifpattern#1#2{%
2805   \begingroup
2806   \edef\bidii@resrvda{%
2807     \def\noexpand\bidii@resrvda####1\detokenize{#2}####2&{%
2808       \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidib@blank{####2}}}%
2809   \edef\noexpand\bidii@resrvda{\noexpand\bidii@resrvda
2810     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
2811   \noexpand\bidii@resrvda}
2812   \bidii@resrvda\@secondoftwo\@firstoftwo}
2813
2814
2815 \newcommand{\if@bidii@defparam}{%
2816 \long\edef\if@bidii@defparam#1{%
2817   \noexpand\expandafter\noexpand\bidii@ifdefparam
2818   \noexpand\meaning#1\detokenize{macro}:->&}
2819 \edef\bidii@ifdefparam{%
2820   \def\noexpand\bidii@ifdefparam##1\detokenize{macro}:##2->##3&}
2821 \bidii@ifdefparam{\bidii@notblank{#2}}
2822
2823
2824 \newcommand{\if@bidii@defprotected}{%
2825 \long\edef\if@bidii@defprotected#1{%
2826   \noexpand\expandafter\noexpand\bidii@ifdefprotected
2827   \noexpand\meaning#1\string\protected&}
2828 \edef\bidii@ifdefprotected{%
2829   \def\noexpand\bidii@ifdefprotected##1\string\protected##2&}
2830 \bidii@ifdefprotected{\bidii@notblank{#2}}
2831
2832
2833 \bidii@newrobustcmd{\bidii@undef}[1]{\let#1\bidii@undefined}
2834
2835 \let\bidii@dbg@trce\@gobble
2836 \let\bidii@dbg@init\@gobble
2837 \let\bidii@dbg@info\@gobble
2838 \let\bidii@dbg@succ\@gobble
2839 \let\bidii@dbg@fail\@gobble
2840
2841
2842
2843 \bidii@newrobustcmd*{\bidii@apptocmd}{%
2844   \bidii@dbg@trce\bidii@apptocmd
2845   \begingroup
2846   \@makeother\#%
2847   \bidii@hooktocmd\bidii@append}
2848

```



```

2849
2850
2851 \bidi@newrobustcmd*{\bidi@pretocmd}{%
2852   \bidi@dbg@trce\bidi@pretocmd
2853   \begingroup
2854   \@makeother\#%
2855   \bidi@hooktocmd\bidi@prepend}
2856
2857 \long\def\bidi@hooktocmd#1#2#3{%
2858   \endgroup
2859   \bidi@dbg@init#2%
2860   \if@bidi@undef{#2}
2861     {\bidi@dbg@fail{def}\@secondoftwo}
2862     {\bidi@dbg@info{def}%
2863       \if@bidi@defmacro{#2}
2864         {\bidi@dbg@info{mac}%
2865           \if@bidi@defparam{#2}
2866             {\bidi@dbg@info{prm}%
2867               \bidi@ifscanable{#2}
2868                 {\bidi@ifhashcheck{#3}
2869                   {\bidi@dbg@info{tok}%
2870                     \bidi@dbg@succ{ret}%
2871                     \bidi@hooktocmd#i#1#2{#3}%
2872                     \@firstoftwo}
2873                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
2874                 {\bidi@dbg@fail{tok}\@secondoftwo}}
2875             {\bidi@dbg@info{prl}%
2876               \if@bidi@defprotected{#2}
2877                 {\bidi@dbg@info{pro}%
2878                   \bidi@dbg@succ{red}%
2879                   \protected}
2880                 {\bidi@dbg@succ{red}}}%
2881             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
2882             \@firstoftwo}}
2883     {\bidi@dbg@fail{mac}\@secondoftwo}}
2884
2885 \long\def\bidi@hooktocmd#i#1#2#3{%
2886   \begingroup
2887   \edef\bidi@resrvda{%
2888     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2889       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
2890     \edef\noexpand\bidi@resrvda{%
2891       \noexpand\bidi@resrvda\meaning#2&}}%
2892   \bidi@resrvda
2893   \bidi@patchcmd@scantoks\bidi@resrvda
2894   \let#2\bidi@resrvda
2895   \bidi@undef\bidi@resrvda}
2896
2897 \long\def\bidi@append#1#2{#1#2}
2898 \long\def\bidi@prepend#1#2{#2#1}

```



```

2899
2900 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
2901 \newcommand*{\bidi@endpreamblehook}{\}
2902
2903 \bidi@preto\document{%
2904   \endgroup
2905   \let\bidi@AtEndPreamble\@firstofone
2906   \bidi@endpreamblehook
2907   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
2908   \bidi@undef\bidi@endpreamblehook
2909   \begingroup}
2910
2911 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
2912 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
2913
2914 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
2915 \newcommand*{\bidi@afterendpreamblehook}{\}
2916
2917 \bidi@appto\document{%
2918   \let\bidi@AfterEndPreamble\@firstofone
2919   \bidi@afterendpreamblehook
2920   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
2921   \bidi@undef\bidi@afterendpreamblehook
2922   \ignorespaces}
2923
2924 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
2925
2926 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
2927 \newcommand*{\bidi@afterenddocumenthook}{\}
2928
2929 \bidi@patchcmd\enddocument
2930   {\deadcycles}
2931   {\let\bidi@AfterEndDocument\@firstofone
2932     \bidi@afterenddocumenthook
2933     \deadcycles}
2934   {}
2935   {\let\bidi@@end\@@end
2936     \def\@@end{%
2937       \let\bidi@AfterEndDocument\@firstofone
2938       \bidi@afterenddocumenthook
2939       \bidi@@end}}
2940
2941 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
2942   \bidi@csgappto{\bidi@begin@#1@hook}}
2943
2944 \bidi@patchcmd\begin
2945   {\csname #1\endcsname}
2946   {\bidi@csuse{\bidi@begin@#1@hook}%
2947     \csname #1\endcsname}
2948   {}

```




```

2949 {\bidi@warning{%
2950     Patching '\string\begin' failed!\MessageBreak
2951     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
2952
2953
2954
2955 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
2956     \bidi@csgappto{@bidi@end@#1@hook}}
2957
2958 \bidi@patchcmd\end
2959     {\csname end#1\endcsname}
2960     {\bidi@csuse{@bidi@end@#1@hook}}%
2961     \csname end#1\endcsname}
2962     {}
2963     {\bidi@warning{%
2964         Patching '\string\end' failed!\MessageBreak
2965         '\string\bidi@AtEndEnvironment' will not work\@gobble}}
2966
2967
2968
2969 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
2970     \bidi@csgappto{@bidi@beforebegin@#1@hook}}
2971
2972 \bidi@pretocmd\begin
2973     {\bidi@csuse{@bidi@beforebegin@#1@hook}}
2974     {}
2975     {\bidi@warning{%
2976         Patching '\string\begin' failed!\MessageBreak
2977         '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
2978
2979
2980
2981 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
2982     \bidi@csgappto{@bidi@afterend@#1@hook}}
2983
2984 \bidi@patchcmd\end
2985     {\if@ignore}
2986     {\bidi@csuse{@bidi@afterend@#1@hook}}%
2987     {\if@ignore}
2988     {}
2989     {\bidi@warning{%
2990         Patching '\string\end' failed!\MessageBreak
2991         '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
2992
2993 \CheckCommand{\InputIfFileExists}[2]{%
2994     \IfFileExists{#1}%
2995         {#2\@addtofilelist{#1}\@input \@filef@und}}
2996
2997 \renewcommand{\InputIfFileExists}[2]{%
2998     \begingroup\expandafter\expandafter\expandafter\endgroup

```



```

2999 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3000 \expandafter\@secondoftwo
3001 \else
3002 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3003 \expandafter\@firstoftwo
3004 \fi
3005 {%
3006 \expandafter\InputIfFileExists\expandafter{\csname
3007 #1-@bidi@alias\endcsname}{#2}%
3008 }%
3009 {\IfFileExists{#1}{%
3010 \bidi@load@hook{before}{#1}%
3011 #2\@addtofilelist{#1}%
3012 \@@input \@filef@und
3013 \bidi@load@hook{after}{#1}%
3014 }}%
3015 }
3016
3017 \newcommand*{\bidi@@loadwithoptions}{%
3018 \newcommand*{\bidi@loadwithoptions}{%
3019 \let\bidi@loadwithoptions\loadwithoptions
3020
3021 \renewcommand*{\@loadwithoptions}[3]{%
3022 \begingroup\expandafter\expandafter\expandafter\endgroup
3023 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3024 \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3025 \else
3026 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3027 \def\bidi@@loadwithoptions{%
3028 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}}%
3029 }%
3030 \fi
3031 \bidi@@loadwithoptions
3032 }
3033
3034 \newcommand*{\bidi@onefilewithoptions}{%
3035 \let\bidi@onefilewithoptions\@onefilewithoptions
3036 \def\@onefilewithoptions#1[#2][#3]#4{%
3037 \begingroup\expandafter\expandafter\expandafter\endgroup
3038 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3039 \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3040 \else
3041 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3042 \edef\bidi@@onefilewithoptions{%
3043 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3044 \fi
3045 \bidi@@onefilewithoptions[[#2]][#3][#4}%
3046 \bidi@load@hook{lateafter}{#1.#4}%
3047 }
3048

```



```

3049 \newcommand*{\bidi@ReplaceInput}[2]{%
3050   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3051 }
3052
3053 \newcommand*{\bidi@UnReplaceInput}[1]{%
3054   \ifcsname #1-@bidi@alias\endcsname
3055     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3056   \fi
3057 }
3058
3059 \newcommand*{\@bidi@replacefilewithext}[3]{%
3060   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3061 }
3062 \newcommand*{\bidi@ReplacePackage}[2]{%
3063   \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3064 }
3065 \newcommand*{\bidi@ReplaceClass}[2]{%
3066   \@bidi@replacefilewithext{#1}{#2}\@clsextension
3067 }
3068 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3069   \ifcsname #1.#2-@bidi@aliasname\endcsname
3070     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3071   \fi
3072 }
3073 \newcommand*{\bidi@UnReplacePackage}[1]{%
3074   \@bidi@unreplacefilewithext{#1}\@pkgextension
3075 }
3076 \newcommand*{\bidi@UnReplaceClass}[1]{%
3077   \@bidi@unreplacefilewithext{#1}\@clsextension
3078 }
3079 \newcommand*{\bidi@replacefile@msg}[2]{%
3080   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3081 }
3082
3083 \newcommand*{\bidi@load@hook}[2]{%
3084   \@ifundefined{#2-@#1}{\}%
3085   \@nameuse{#2-@#1}%
3086   \expandafter\let\csname #2-@#1\endcsname=\relax}}
3087 \newcommand*{\bidi@set@load@hook}[2]{%
3088   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{\}}{\}%
3089   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3090 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3091 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3092 \newcommand*{\bidi@BeforeClass}[1]{%
3093   \bidi@set@load@hook{before}{#1.\@clsextension}}
3094 \newcommand*{\bidi@AfterClass}{%
3095   \@ifstar {\@s@bidi@AfterClass}{%
3096     \@ifnextchar +{\@bidi@AfterClass}%
3097     \@ifnextchar !{\@bidi@AfterClass\bidi@AfterClass
3098     }%

```



```

3099 }%
3100 }
3101
3102 \newcommand*{\@@@bidi@AfterClass}[2]{%
3103 \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3104 \aftergroup\@s@bidi@AfterClass
3105 \else
3106 \aftergroup\bidi@AfterAtEndOfClass
3107 \fi
3108 \endgroup{#2}%
3109 }
3110
3111 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3112 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3113 \newcommand*{\@@@bidi@AfterClass}[2]{%
3114 \begingroup
3115 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3116 \aftergroup\@s@bidi@AfterClass
3117 \else
3118 \aftergroup\bidi@AfterClass
3119 \fi
3120 \endgroup{#2}%
3121 }
3122
3123 \newcommand*{\@bidi@AfterClass}[1]{%
3124 \bidi@set@load@hook{after}{#1.\@clsextension}}
3125 \newcommand*{\@s@bidi@AfterClass}[1]{%
3126 \begingroup
3127 \@ifclassloaded{#1}{%
3128 \aftergroup\@secondoftwo
3129 }{%
3130 \aftergroup\bidi@AfterClass
3131 }%
3132 \endgroup
3133 {#1}%
3134 }
3135
3136
3137 \newcommand*{\bidi@BeforePackage}[1]{%
3138 \bidi@set@load@hook{before}{#1.\@pkgextension}}
3139 \newcommand*{\bidi@AfterPackage}{%
3140 \@ifstar {\@s@bidi@AfterPackage}{%
3141 \@ifnextchar +\@@@bidi@AfterPackage{%
3142 \@ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
3143 }%
3144 }%
3145 }
3146 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3147 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3148 \aftergroup\@s@bidi@AfterPackage

```



```

3149 \else
3150   \aftergroup\bid@AfterAtEndOfPackage
3151 \fi
3152 \endgroup{#2}%
3153 }
3154 \newcommand*\bid@AfterAtEndOfPackage}[1]{%
3155   \bid@set@load@hook{lateafter}{#1.\@pkgextension}}
3156 \newcommand*\@bid@AfterPackage}[2]{%
3157   \begingroup
3158     \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
3159     \aftergroup\@s@bid@AfterPackage
3160   \else
3161     \aftergroup\@bid@AfterPackage
3162   \fi
3163   \endgroup{#2}%
3164 }
3165 \newcommand*\@bid@AfterPackage}[1]{%
3166   \bid@set@load@hook{after}{#1.\@pkgextension}}
3167 \newcommand*\@s@bid@AfterPackage}[1]{%
3168   \begingroup
3169     \@ifpackageloaded{#1}{%
3170       \aftergroup\@secondoftwo
3171     }{%
3172       \aftergroup\@bid@AfterPackage
3173     }%
3174   \endgroup
3175   {#1}%
3176 }
3177
3178 \newcommand*\bid@excludedpackages{}
3179 \let\bid@excludedpackages\@empty
3180 \newcommand*\bid@s@ved@RequirePackage{}
3181 \newcommand*\bid@PreventPackageFromLoading{%
3182   \@ifstar{\@bid@PreventPackageFromLoading\PackageInfo}%
3183   {\@bid@PreventPackageFromLoading\PackageWarning}%
3184 }
3185 \newcommand*\@bid@PreventPackageFromLoading}[1]{%
3186   \@ifnextchar [%]
3187   {\@bid@PreventPackageFromLoading#1}{\@bid@PreventPackageFromLoading#1[]}%
3188 }
3189 \newcommand*\@bid@PreventPackageFromLoading{}
3190
3191 \def\@bid@PreventPackageFromLoading#1[#2]#3{%
3192   \edef\reserved@b{\zap@space#3 \@empty}%
3193   \ifx \reserved@b\@empty
3194     #1{biditools}{%
3195       \string\bid@PreventPackageFromLoading\space with empty packages\MessageBreak
3196       argument ignored%
3197     }%
3198   \else

```



```

3199 \ifx\bidix@excludedpackages\@empty
3200 \let\bidix@savex@RequirePackage\RequirePackage
3201 \let\RequirePackage\bidix@RequirePackage
3202 \def\reserved@a##1##{%
3203 \@latex@error
3204 {\noexpand \usepackage before \string\documentclass}%
3205 {\noexpand \usepackage may only appear in the document
3206 preamble, i.e.,\MessageBreak
3207 between \noexpand\documentclass and
3208 \string\begin{document}.}%
3209 \@gobble}%
3210 \ifx\reserved@a\usepackage\else
3211 \ifx\usepackage\bidix@savex@RequirePackage\else
3212 \PackageWarning{biditools}{%
3213 Maybe serious problem: unexpected definition of\MessageBreak
3214 \string\usepackage
3215 }%
3216 \fi
3217 \let\usepackage\RequirePackage
3218 \fi
3219 \fi
3220 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3221 \reserved@b\do {%
3222 \ifx\reserved@a\@empty
3223 #1{biditools}{%
3224 empty package argument for
3225 \string\bidix@PreventPackageFromLoading\MessageBreak
3226 ignored%
3227 }%
3228 \else
3229 \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3230 #1{biditools}{%
3231 package `'\reserved@a' already loaded.\MessageBreak
3232 Cannot prevent it from being loaded%
3233 }%
3234 }{%
3235 \edef\bidix@excludedpackages{\bidix@excludedpackages,%
3236 \reserved@a}%
3237 \if\relax\detokenize{#2}\relax\else
3238 \@ifundefined{bidix@exclude@package@\reserved@a @do}{%
3239 \@namedef{bidix@exclude@package@\reserved@a @do}{}%
3240 }{}%
3241 \expandafter\def
3242 \csname bidix@exclude@package@\reserved@a
3243 @do\expandafter\expandafter\expandafter\endcsname
3244 \expandafter\expandafter\expandafter{%
3245 \csname bidix@exclude@package@\reserved@a @do\endcsname
3246 #2%
3247 }%
3248 \fi

```



```

3249     }%
3250     \fi
3251   }%
3252   \ifx\bidix@excludedpackages\@empty
3253     \bidix@ResetPreventPackageFromLoading
3254   \fi
3255 \fi
3256 }
3257
3258 \@onlypreamble\bidix@PreventPackageFromLoading
3259 \newcommand*{\bidix@ResetPreventPackageFromLoading}{%
3260   \let\bidix@excludedpackages\@empty
3261   \ifx\RequirePackage\bidix@RequirePackage
3262     \ifx\usepackage\RequirePackage
3263       \let\usepackage\bidix@saved@RequirePackage
3264     \fi
3265     \let\RequirePackage\bidix@saved@RequirePackage
3266   \fi
3267 }
3268 \@onlypreamble\bidix@ResetPreventPackageFromLoading
3269 \newcommand*{\bidix@store@PreventPackageFromLoading}[1]{%
3270   \let#1\bidix@excludedpackages
3271 }
3272 \@onlypreamble\bidix@store@PreventPackageFromLoading
3273 \newcommand*{\bidix@UnPreventPackageFromLoading}{%
3274   \@ifstar {\@tempswatrue\@bidix@UnPreventPackageFromLoading}%
3275             {\@tempswafalse\@bidix@UnPreventPackageFromLoading}%
3276 }
3277
3278 \newcommand*{\@bidix@UnPreventPackageFromLoading}[1]{%
3279   \edef\reserved@a{\zap@space#1 \@empty}%
3280   \if@tempswa
3281     \@for\reserved@a:=\reserved@a\do {%
3282       \ifx\reserved@a\@empty \else
3283         \ifcsname bidix@exclude@package@\reserved@a \do\endcsname
3284           \expandafter\let
3285             \csname bidix@exclude@package@\reserved@a \do\endcsname
3286             \undefined
3287         \fi
3288       \fi
3289     }%
3290   \fi
3291   \ifcsname bidix@excludedpackages\endcsname
3292     \let\reserved@a\bidix@excludedpackages
3293     \let\bidix@excludedpackages\@empty
3294     \expandafter\@for\expandafter\reserved@c
3295     \expandafter:\expandafter=\reserved@a
3296     \do{%
3297       \ifx\reserved@c\@empty\else
3298         \@expandtwoargs\in@{\reserved@c,}\reserved@c,%

```



```

3299     \ifin@
3300     \else
3301         \edef\bidix@excludedpackages{%
3302             \bidix@excludedpackages,\reserved@c
3303         }%
3304     \fi
3305 \fi
3306 }%
3307 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
3308 \fi
3309 }
3310
3311
3312 \newcommand*{\bidix@RequirePackage}[2][{}]{%
3313     \let\reserved@c\@empty
3314     \let\reserved@d\@empty
3315     \edef\reserved@b{\zap@space#2 \@empty}%
3316     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3317     \do {%
3318         \begingroup
3319         \@tempswatrue
3320         \@for\reserved@a:=\bidix@excludedpackages\do {%
3321             \ifx\reserved@a\reserved@b
3322                 \@tempswafalse
3323             \fi
3324         }%
3325         \if@tempswa
3326             \xdef\reserved@c{\reserved@c,\reserved@b}%
3327         \else
3328             \ifx\reserved@b\@empty\else
3329                 \PackageInfo{biditools}{Excluding package `'\reserved@b'\MessageBreak
3330                     from loading}%
3331                 \@ifundefined{bidix@exclude@package@\reserved@b @do}{%
3332                     }{%
3333                     \expandafter\g@addto@macro\expandafter\reserved@d
3334                     \csname bidix@exclude@package@\reserved@b @do\endcsname
3335                 }%
3336             \fi
3337         \fi
3338     \endgroup
3339 }%
3340 \ifx\reserved@c\@empty
3341     \let\reserved@a\bidix@gobbleopt
3342 \else
3343     \edef\reserved@a{\noexpand\bidix@saves@RequirePackage[#1]{%
3344         \expandafter\@gobble\reserved@c\@empty}}%
3345 \fi
3346 \expandafter\reserved@d
3347 \reserved@a
3348 }

```




```

3349
3350 \newcommand{\bidi@gobbleopt}[1] [] {}
3351 \AtEndDocument{%
3352   \let\bidi@saved@checkend=\@checkend
3353   \renewcommand*{\@checkend}[1]{%
3354     \def\reserved@a{#1}\def\reserved@b{document}%
3355     \bidi@saved@checkend{#1}%
3356     \ifx\reserved@a\reserved@b
3357       \let\bidi@saved@clearpage=\clearpage
3358       \renewcommand*{\clearpage}{\bidi@saved@clearpage
3359         \bidi@hook@bcma
3360         \bidi@restore@newpage
3361         \let\clearpage=\bidi@saved@clearpage}%
3362     \fi%
3363     \let\bidi@saved@dofilelist\@dofilelist
3364     \def\@dofilelist{%
3365       \bidi@hook@acma
3366       \let\@dofilelist\bidi@saved@dofilelist
3367       \bidi@saved@dofilelist
3368     }%
3369   }%
3370 }
3371
3372
3373 \newcommand*{\bidi@saved@checkend}{}
3374 \newcommand*{\bidi@saved@dofilelist}{}
3375 \newcommand*{\bidi@redefine@newpage}{}
3376 \let\bidi@saved@newpage\newpage
3377 \def\bidi@restore@newpage{%
3378   \renewcommand*{\newpage}{%
3379     \PackageWarningNoLine{%
3380       biditools%
3381     }{%
3382       \string\newpage\space at main aux file!\MessageBreak
3383       You have output material at the main aux file.\MessageBreak
3384       Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3385       are processed before the output from aux file%
3386     }%
3387     \let\newpage\bidi@saved@newpage
3388     \newpage
3389   }%
3390 }%
3391 \renewcommand*{\newpage}{}
3392 \PackageError{%
3393   biditools%
3394 }{%
3395   \string\newpage\space at \string\bidi@BeforeClosingMainAux
3396 }{%
3397   You should never use \string\newpage\space or
3398   \string\clear(double)page or other output material at the\MessageBreak

```



```

3399     argument of \string\bid@BeforeClosingMainAux!\MessageBreak
3400     If you'll continue, the \string\newpage\space will be ignored to
3401     avoid corruption of \MessageBreak
3402     every prior use of \string\bid@BeforeClosingMainAux.
3403 }%
3404 }%
3405 }
3406
3407 \newcommand*{\bid@restore@newpage}{%
3408 \newcommand*{\bid@hook@bcma}{%
3409 \newcommand*{\bid@hook@acma}{%
3410 \newcommand*{\bid@BeforeClosingMainAux}{%
3411 \ifx\bid@hook@bcma\@empty
3412 \gdef\bid@hook@bcma{%
3413 \renewcommand*{\bid@BeforeClosingMainAux}[1]{###1}%
3414 \let\protected@write\bid@protected@immediate@write
3415 \bid@redefine@newpage
3416 }%
3417 \fi
3418 \g@addto@macro\bid@hook@bcma%
3419 }
3420
3421 \newcommand*{\bid@AfterReadingMainAux}{%
3422 \ifx\bid@hook@acma\@empty
3423 \gdef\bid@hook@acma{%
3424 \renewcommand*{\bid@AfterReadingMainAux}[1]{###1}%
3425 \let\protected@write\bid@protected@immediate@write
3426 }%
3427 \fi
3428 \g@addto@macro\bid@hook@acma%
3429 }
3430
3431 \long\def\bid@protected@immediate@write#1#2#3{%
3432 \begingroup
3433 #2%
3434 \let\protect\@unexpandable@protect
3435 \edef\reserved@a{\immediate\write#1{#3}}%
3436 \reserved@a
3437 \endgroup
3438 \if@nbreak\ifvmode\nobreak\fi\fi
3439 }
3440
3441 \def\bid@patch@counter{0}%
3442 \if@bid@csundef{numexpr}{%
3443 \def\bid@patch@stepcounter{%
3444 \begingroup
3445 \count@\bid@patch@counter\relax
3446 \advance\count@\@ne\relax
3447 \edef\x{\endgroup
3448 \noexpand\def\noexpand\bid@patch@counter{\the\count@}%

```



```

3449 }%
3450 \x
3451 }%
3452 }{%
3453 \def\bidipatch@stepcounter{%
3454 \edef\bidipatch@counter{%
3455 \the\numexpr\bidipatch@counter+\@ne\relax
3456 }%
3457 }%
3458 }
3459 \def\bidipatch@list{}
3460 \def\bidipatch@Add{%
3461 \bidipatch@list
3462 }
3463 \def\bidipatch@AfterPackage#1{%
3464 \@ifpackageloaded{#1}{%
3465 \@firstofone
3466 }{%
3467 \bidipatch@AfterPackage{#1}%
3468 }%
3469 }
3470 \def\bidipatch@AfterPackage#1{%
3471 \edef\bidipatch@temp{#1}%
3472 \bidipatch@stepcounter
3473 \expandafter\bidipatch@@AfterPackage
3474 \csname \bidipatch@\bidipatch@counter\expandafter\endcsname{%
3475 \bidipatch@temp
3476 }%
3477 }
3478 \def\bidipatch@@AfterPackage#1#2#3{%
3479 \begingroup
3480 \toks@{#3}%
3481 \xdef\bidipatch@gtemp{%
3482 \noexpand\@ifpackageloaded{#2}{%
3483 \noexpand\let\noexpand#1\noexpand\relax
3484 \the\toks@
3485 }{}%
3486 }%
3487 \endgroup
3488 \let#1\bidipatch@gtemp
3489 \bidipatch@Add#1%
3490 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
3491 }
3492
3493 \def\bidipatch@try#1#2#3{%
3494 \if@bidi@csundef{#1}{%
3495 \csname #1\endcsname{#2}{#3}%
3496 }%
3497 }
3498

```



```

3499 \AtBeginDocument{\bidi@patch@list}
3500
3501 \bidi@AtEndPreamble{\bidi@patch@list}%
3502
3503 \bidi@AfterEndPreamble{%
3504   \let\bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
3505   \let\bidi@patch@OrgIfPackageLater\@ifpackagelater
3506   \let\bidi@patch@OrgIfClassLoaded\@ifclassloaded
3507   \let\bidi@patch@OrgIfClassLater\@ifclasslater
3508   \bidi@patch@list
3509   \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
3510   \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
3511   \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
3512   \let\@ifclasslater\bidi@patch@OrgIfClassLater
3513 }%

```

7.22 bidiutfefloat.sty

```

3514 \NeedsTeXFormat{LaTeX2e}
3515 \ProvidesPackage{bidiutfefloat}[2011/06/14 v0.1
3516 bidi implementation of tufte float]
3517 \RequirePackage{xifthen}
3518 \newcommand{\@bidiutfefloat@pkgname}{bidiutfefloat}
3519 \newcommand{\bidiutfefloatError}[2]{\PackageError{\@bidiutfefloat@pkgname}{#1}{#2}}
3520 \newcommand{\bidiutfefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidiutfefloat@debug}}{\bidi
3521 \newcommand{\bidiutfefloatInfoNL}[1]{\PackageInfo{\@bidiutfefloat@pkgname}{#1\@gobble}}
3522 \newboolean{\@bidiutfefloat@RTLgeometry}
3523 \setboolean{\@bidiutfefloat@RTLgeometry}{true}
3524 \DeclareOption{RTLgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{true}}
3525 \DeclareOption{LTRgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{false}}
3526 \newboolean{\@bidiutfefloat@a4paper}
3527 \DeclareOption{a4paper}{\setboolean{\@bidiutfefloat@a4paper}{true}}
3528 \newboolean{\@bidiutfefloat@b5paper}
3529 \DeclareOption{b5paper}{\setboolean{\@bidiutfefloat@b5paper}{true}}
3530 \newboolean{\@bidiutfefloat@symmetric}
3531 \newboolean{\@bidiutfefloat@twoside}
3532 \DeclareOption{twoside}{%
3533 \@twosidetrue \mparswitchtrue%
3534 \setboolean{\@bidiutfefloat@twoside}{true}%
3535 \setboolean{\@bidiutfefloat@symmetric}{true}%
3536 }
3537 \DeclareOption{oneside}{%
3538 \@twosidefalse \mparswitchfalse%
3539 \setboolean{\@bidiutfefloat@twoside}{false}%
3540 \setboolean{\@bidiutfefloat@symmetric}{false}%
3541 }
3542 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3543 \newboolean{\@bidiutfefloat@debug}
3544 \newcommand*{\@bidiutfefloat@caption@justification}{\@bidiutfefloat@justification@autodetect}
3545 \ProcessOptions

```



```

3546 %% Globally sets the length
3547 \newcommand*\gsetlength}[2]{%
3548   \setlength{#1}{#2}%
3549   \global#1=#1\relax%
3550 }
3551 %% Globally sets a boolean
3552 \newcommand*\gsetboolean}[2]{% based on code from ifthen pkg
3553   \lowercase{\def\@tempa{#2}}%
3554   \@ifundefined{@tempwa\@tempa}%
3555   {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
3556   {\@ifundefined{#1\@tempa}%
3557    {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3558    {\global\csname#1\@tempa\endcsname}%
3559   }%
3560 }
3561 %% Set the font sizes and baselines to match bidentefloat's books
3562 \renewcommand\normalsize{%
3563   \@setfontsize\normalsize\@xpt{14}%
3564   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3565   \abovedisplayshortskip \z@ \@plus3\p@
3566   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3567   \belowdisplayskip \abovedisplayskip
3568   \let\@listi\@listI}
3569 \normalbaselineskip=14pt
3570 \normalsize
3571 \renewcommand\footnotesize{%
3572   \@setfontsize\footnotesize\@viipt{10}%
3573   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3574   \abovedisplayshortskip \z@ \@plus\p@
3575   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
3576   \def\@listi{\leftmargin\leftmarginI
3577             \topsep 3\p@ \@plus\p@ \@minus\p@
3578             \parsep 2\p@ \@plus\p@ \@minus\p@
3579             \itemsep \parsep}%
3580   \belowdisplayskip \abovedisplayskip
3581 }
3582 %% Paragraph indentation and separation for marginal text
3583 \newcommand{\@bidentefloat@margin@par}{%
3584   \setlength{\RaggedRightParindent}{0.5pc}%
3585   \setlength{\JustifyingParindent}{0.5pc}%
3586   \setlength{\parindent}{0.5pc}%
3587   \setlength{\parskip}{0pt}%
3588 }
3589 \RequirePackage{ragged2e}
3590 \ifthenelse{\boolean{@bidentefloat@RTLgeometry}}{%
3591 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=
3592 \ifthenelse{\boolean{@bidentefloat@afourpaper}}
3593   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpars
3594   {}
3595 \ifthenelse{\boolean{@bidentefloat@bfivepaper}}

```



```

3596 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,m
3597   {}}%
3598 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpars
3599 \ifthenelse{\boolean{@biditytfloat@a4paper}}
3600   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparse
3601   {}
3602 \ifthenelse{\boolean{@biditytfloat@b5paper}}
3603   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,ma
3604   {}
3605 \ifthenelse{\boolean{@biditytfloat@symmetric}}
3606   {}
3607   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
3608 \setlength\marginparpush{10pt}
3609 %% Font for margin items
3610 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
3611 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
3612 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
3613 \newcommand{\@biditytfloat@justification}{\justifying}%
3614 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3615 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3616 \newboolean{@biditytfloat@changepage}
3617 \IfFileExists{changepage.sty}{%
3618   \biditytfloatDebugInfoNL{Found changepage.sty}
3619   \RequirePackage[strict]{changepage}
3620   \setboolean{@biditytfloat@changepage}{true}
3621 }{%
3622   \biditytfloatDebugInfoNL{Found chngpage.sty}
3623   \RequirePackage[strict]{chngpage}
3624   \setboolean{@biditytfloat@changepage}{false}
3625 }
3626 \newboolean{@biditytfloat@odd@page}
3627 \setboolean{@biditytfloat@odd@page}{true}
3628 \newcommand*{\@biditytfloat@checkoddpag}{%
3629   \checkoddpag%
3630   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
3631     \ifoddpag%
3632       \setboolean{@biditytfloat@odd@page}{true}%
3633     \else%
3634       \setboolean{@biditytfloat@odd@page}{false}%
3635     \fi%
3636   }{%
3637     \ifcpoddpag%
3638       \setboolean{@biditytfloat@odd@page}{true}%
3639     \else%
3640       \setboolean{@biditytfloat@odd@page}{false}%
3641     \fi%
3642   }%
3643 }
3644 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running heads
3645 \newlength{\@biditytfloat@fullwidth}

```



```

3646 \newlength{\@bidiutefloat@caption@fill}
3647 \newcommand{\bidiutefloatRecalculate}{%
3648   \setlength{\@bidiutefloat@overhang}{\marginparwidth}
3649   \addtolength{\@bidiutefloat@overhang}{\marginparsep}
3650
3651   \setlength{\@bidiutefloat@fullwidth}{\textwidth}
3652   \addtolength{\@bidiutefloat@fullwidth}{\marginparsep}
3653   \addtolength{\@bidiutefloat@fullwidth}{\marginparwidth}
3654
3655   \setlength{\@bidiutefloat@caption@fill}{\textwidth}
3656   \addtolength{\@bidiutefloat@caption@fill}{\marginparsep}
3657 }
3658 \AtBeginDocument{\bidiutefloatRecalculate}
3659 \RequirePackage{optparams}% provides multiple optional arguments for commands
3660 \RequirePackage{placeins}
3661 \newsavebox{\@bidiutefloat@margin@floatbox}
3662 \newenvironment{@bidiutefloat@margin@float}[2][{-1.2ex}%
3663   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3664   \begin{lrbox}{\@bidiutefloat@margin@floatbox}%
3665   \begin{minipage}{\marginparwidth}%
3666     \@bidiutefloat@caption@font%
3667     \def\@captype{#2}%
3668     \hbox{} \vspace*{#1}%
3669     \@bidiutefloat@caption@justification%
3670     \@bidiutefloat@margin@par%
3671     \noindent%
3672   }
3673   {\end{minipage}%
3674   \end{lrbox}%
3675   \marginpar{\usebox{\@bidiutefloat@margin@floatbox}}}%
3676 }
3677 \newenvironment{marginfigure}[1][{-1.2ex}%
3678   {\begin{@bidiutefloat@margin@float}[#1]{figure}}
3679   {\end{@bidiutefloat@margin@float}}
3680 \newenvironment{margintable}[1][{-1.2ex}%
3681   {\begin{@bidiutefloat@margin@float}[#1]{table}}
3682   {\end{@bidiutefloat@margin@float}}
3683 \newcommand*{\@bidiutefloat@justification@autodetect}{\justifying}%
3684
3685 \newcommand{\@bidiutefloat@float@debug@info}{}% contains debug info generated as the float is
3686 \newcommand{\@bidiutefloat@float@debug}[1]{% adds debug info to the queue for output
3687   \ifthenelse{\equal{\@bidiutefloat@float@debug@info}{}}%
3688     {\def\@bidiutefloat@float@debug@info{#1}}%
3689     {\g@addto@macro\@bidiutefloat@float@debug@info{\MessageBreak#1}}%
3690 }
3691 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3692 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidiutefloat@float@debug}
3693 \newboolean{@bidiutefloat@float@recto}
3694 \newcommand{\forcerectofloat}{\gsetboolean{@bidiutefloat@float@recto}{true}\@bidiutefloat}
3695 \newcommand{\forceversofloat}{\gsetboolean{@bidiutefloat@float@recto}{false}\@bidiutefloat}

```



```

3696 \newsavebox{\@biditytfloat@figure@box}
3697 \newsavebox{\@biditytfloat@caption@box}
3698 \let\@biditytfloat@orig@float\@float
3699 \let\@biditytfloat@orig@endfloat\endfloat
3700 \newlength{\@biditytfloat@caption@vertical@offset}
3701 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
3702 \newcommand{\@biditytfloat@stored@shortcaption}{}
3703 \newcommand{\@biditytfloat@stored@caption}{}
3704 \newcommand{\@biditytfloat@stored@label}{}
3705 \long\def\@biditytfloat@caption[#1][#2]#3{%
3706   \ifthenelse{\isempty{#1}}{%
3707     \gdef\@biditytfloat@stored@shortcaption{#3}}%
3708     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
3709   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3710   \gdef\@biditytfloat@stored@caption{#3}%
3711 }
3712 \newcommand{\@biditytfloat@label}[1]{%
3713   \gdef\@biditytfloat@stored@label{#1}%
3714 }
3715 \newcommand{\@biditytfloat@fps}{}
3716 \newboolean{\@biditytfloat@float@star}
3717 \newlength{\@biditytfloat@float@contents@width}
3718 \newenvironment{\@biditytfloat@float}[3][htbp]{%
3719   {% begin \@biditytfloat@float
3720     % Should this float be full-width or just text-width?
3721     \ifthenelse{\equal{#3}{star}}{%
3722       {\gsetboolean{\@biditytfloat@float@star}{true}}%
3723       {\gsetboolean{\@biditytfloat@float@star}{false}}%
3724     % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3725     \@biditytfloat@checkoddpag%
3726     \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
3727       {\gsetboolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Detected page
3728       {\gsetboolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Detected page
3729     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3730     \renewcommand{\@biditytfloat@fps}{#1}%
3731     \@biditytfloat@float@debug{Allowed positions: [ #1 ]}%
3732     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
3733       {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bottom]
3734       {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [top]}}%
3735     % Capture the contents of the \caption and \label commands to use later
3736     \global\let\@biditytfloat@orig@caption\caption%
3737     \global\let\@biditytfloat@orig@label\label%
3738     \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[] [Opt]}}%
3739     \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
3740     % Handle subfigure package compatibility
3741     \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
3742       % don't move the label while inside a \subfigure or \subtable command
3743       \global\let\label\@biditytfloat@orig@label%
3744     }% subfigure package is not loaded
3745     \@biditytfloat@orig@float{#2}[#1]%

```




```

3746 \ifthenelse{\boolean{@biditytfloat@float@star}}%
3747 {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
3748 {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
3749 \begin{lrbox}{\@biditytfloat@figure@box}%
3750 \begin{minipage}{\floatalignment}{\@biditytfloat@float@contents@width}\hbox{}%
3751 }{% end @biditytfloat@float
3752 \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% align
3753 \end{minipage}%
3754 \end{lrbox}%
3755 % build the caption box
3756 \begin{lrbox}{\@biditytfloat@caption@box}%
3757 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
3758 \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@caption}%
3759 \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label{\@b
3760 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
3761 \end{minipage}%
3762 \end{lrbox}%
3763 % now typeset the stored boxes
3764 \begin{fullwidth}%
3765 \begin{minipage}{\floatalignment}{\linewidth}%
3766 \ifthenelse{\boolean{@biditytfloat@float@star}}%
3767 {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidityt
3768 {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidityt
3769 \end{minipage}%
3770 \end{fullwidth}%
3771 \@biditytfloat@orig@endfloat% end original LaTeX float environment
3772 % output debug info
3773 \ifthenelse{\boolean{@biditytfloat@debug}}{%
3774 \typeout{^^J^^J----- biditytfloat package float information -----}%
3775 \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
3776 {\typeout{Warning: Float unlabeled!}}%
3777 {\typeout{Float label: [\@biditytfloat@stored@label]}}%
3778 \typeout{Page number: [\thepage]}%
3779 \def\MessageBreak{^^J}%
3780 \typeout{\@biditytfloat@float@debug@info}%
3781 \ifthenelse{\boolean{@biditytfloat@symmetric}}%
3782 {\typeout{Symmetric: [true]}}%
3783 {\typeout{Symmetric: [false]}}%
3784 \typeout{-----^^J^^J}%
3785 }{}%
3786 % reset commands and temp boxes and captions
3787 \gdef\@biditytfloat@float@debug@info{}%
3788 \let\caption\@biditytfloat@orig@caption%
3789 \let\label\@biditytfloat@orig@label%
3790 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
3791 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
3792 \gdef\@biditytfloat@stored@shortcaption{}%
3793 \gdef\@biditytfloat@stored@caption{}%
3794 \gdef\@biditytfloat@stored@label{}%
3795 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset

```



```

3796 }
3797 \newcommand{\@bidiutefloat@float@textwidth}[3][Opt]{%
3798 \ifthenelse{\NOT\boolean{@bidiutefloat@symmetric}}\OR\boolean{@bidiutefloat@float@recto}}{
3799 % asymmetric or page is odd, so caption is on the right
3800 \hbox{%
3801 \usebox{#2}%
3802 \hspace{\marginparsep}%
3803 \smash{\raisebox{#1}{\usebox{#3}}}%
3804 }
3805 \@bidiutefloat@float@debug{Caption position: [right]]%
3806 }{% symmetric pages and page is even, so caption is on the left
3807 \hbox{%
3808 \smash{\raisebox{#1}{\usebox{#3}}}%
3809 \hspace{\marginparsep}%
3810 \usebox{#2}%
3811 }
3812 \@bidiutefloat@float@debug{Caption position: [left]]%
3813 }%
3814 }
3815 \newcommand{\@bidiutefloat@float@fullwidth}[3][Opt]{%
3816 \ifthenelse{\equal{\floatalignment}{b}}{%
3817 {% place caption above figure
3818 \ifthenelse{\NOT\boolean{@bidiutefloat@symmetric}}\OR\boolean{@bidiutefloat@float@recto}}{
3819 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bidiutefloat@float@debug{Cap
3820 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bidiutefloat@float@debug{Cap
3821 }{% place caption below figure
3822 \ifthenelse{\NOT\boolean{@bidiutefloat@symmetric}}\OR\boolean{@bidiutefloat@float@recto}}{
3823 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bidiutefloat@float@debug{Cap
3824 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bidiutefloat@float@debug{Cap
3825 }%
3826 }
3827 \renewenvironment{figure}[1][htbp]{%
3828 {\ifvmode\else\unskip\fi\begin{@bidiutefloat@float}[#1]{figure}{}}
3829 {\end{@bidiutefloat@float}}
3830 \renewenvironment{table}[1][htbp]{%
3831 {\ifvmode\else\unskip\fi\begin{@bidiutefloat@float}[#1]{table}{}}
3832 {\end{@bidiutefloat@float}}
3833 \renewenvironment{figure*}[1][htbp]{%
3834 {\ifvmode\else\unskip\fi\begin{@bidiutefloat@float}[#1]{figure}{star}}
3835 {\end{@bidiutefloat@float}}
3836 \renewenvironment{table*}[1][htbp]{%
3837 {\ifvmode\else\unskip\fi\begin{@bidiutefloat@float}[#1]{table}{star}}
3838 {\end{@bidiutefloat@float}}
3839 \newenvironment{fullwidth}{
3840 {\ifthenelse{\boolean{@bidiutefloat@symmetric}}%
3841 {\ifthenelse{\boolean{@bidiutefloat@changepage}}{\begin{adjustwidth*}{- \@bidiutefloa
3842 {\begin{adjustwidth}{- \@bidiutefloat@overhang}}}%
3843 }%
3844 {\ifthenelse{\boolean{@bidiutefloat@symmetric}}%
3845 {\ifthenelse{\boolean{@bidiutefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%

```



```

3846     {\end{adjustwidth}}}%
3847   }
3848 \long\def\@caption#1[#2]#3{%
3849   \par%
3850   \addcontentsline{\csname ext@#1\endcsname}{#1}%
3851     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
3852   \begingroup%
3853     \@parboxrestore%
3854     \if@minipage%
3855       \setminipage%
3856     \fi%
3857     \@bidituftefloat@caption@font\@bidituftefloat@caption@justification%
3858     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
3859     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
3860   \endgroup}
3861 %%
3862 % Turns newlines into spaces. Based on code from the `titlesec' package.
3863 \DeclareRobustCommand{\@biditufteheading@newlinetospace}{%
3864   \@ifstar{\@biditufteheading@newlinetospace@i}{\@biditufteheading@newlinetospace@i}%
3865 }
3866 \def\@biditufteheading@newlinetospace@i{%
3867   \ifdim\lastskip>\z@\else\space\fi
3868   \ignorespaces%
3869 }
3870 \DeclareRobustCommand{\newlinetospace}[1]{%
3871   \let\@biditufteheading@orig@cr\\% save the original meaning of \\
3872   \def\\{\@biditufteheading@newlinetospace}% turn \\ and \\* into \space
3873   \let\newline\\% turn \newline into \space
3874   #1%
3875   \let\\ \@biditufteheading@orig@cr% revert to original meaning of \\
3876 }
3877 \RequirePackage{fancyhdr}
3878 \pagestyle{fancy}
3879 \AtBeginDocument{%
3880   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
3881     {\fancyhfoffset[LE,RO]{\@bidituftefloat@overhang}}
3882     {\fancyhfoffset[RE,RO]{\@bidituftefloat@overhang}}
3883 }
3884 % The running heads/feet don't have rules
3885 \renewcommand{\headrulewidth}{0pt}
3886 \renewcommand{\footrulewidth}{0pt}
3887 % The 'fancy' page style is the default style for all pages.
3888 \fancyhf{} % clear header and footer fields
3889   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
3890     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
3891       \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3892     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3893 % The `plain' page style is used on chapter opening pages.
3894 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
3895 % bottom of pages -- the folios are unexpressed.

```



```

3896 \fancypagestyle{plain}{
3897   \fancyhf{} % clear header and footer fields
3898   % Uncomment the following five lines of code if you want the opening page
3899   % of the chapter to express the folio in the lower outside corner.
3900   % \ifthenelse{\boolean{@biditytfloat@symmetric}}{
3901   %   {\fancyfoot[LE,RO]{\thepage}}
3902   %   {\fancyfoot[RE,RO]{\thepage}}
3903 }
3904 % The 'empty' page style suppresses all headers and footers.
3905 % It's used on title pages and 'intentionally blank' pages.
3906 \fancypagestyle{empty}{
3907   \fancyhf{} % clear header and footer fields
3908 }
3909 \def\morefloats{% provides a total of 52 floats
3910   \ifthenelse{\isundefined{\bx@S}}{%
3911     \biditytfloatDebugInfoNL{Adding 34 more float slots.}
3912     \newinsert\bx@S
3913     \newinsert\bx@T
3914     \newinsert\bx@U
3915     \newinsert\bx@V
3916     \newinsert\bx@W
3917     \newinsert\bx@X
3918     \newinsert\bx@Y
3919     \newinsert\bx@Z
3920     \newinsert\bx@a
3921     \newinsert\bx@b
3922     \newinsert\bx@c
3923     \newinsert\bx@d
3924     \newinsert\bx@e
3925     \newinsert\bx@f
3926     \newinsert\bx@g
3927     \newinsert\bx@h
3928     \newinsert\bx@i
3929     \newinsert\bx@j
3930     \newinsert\bx@k
3931     \newinsert\bx@l
3932     \newinsert\bx@m
3933     \newinsert\bx@n
3934     \newinsert\bx@o
3935     \newinsert\bx@p
3936     \newinsert\bx@q
3937     \newinsert\bx@r
3938     \newinsert\bx@s
3939     \newinsert\bx@t
3940     \newinsert\bx@u
3941     \newinsert\bx@v
3942     \newinsert\bx@w
3943     \newinsert\bx@x
3944     \newinsert\bx@y
3945     \newinsert\bx@z

```



```

3946 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
3947 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
3948 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
3949 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
3950 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
3951 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
3952 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3953 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3954 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
3955 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3956 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3957 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
3958 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
3959 \ifthenelse{isundefined{\bx@AA}}{%
3960 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
3961 \newinsert\bx@AA
3962 \newinsert\bx@BB
3963 \newinsert\bx@CC
3964 \newinsert\bx@DD
3965 \newinsert\bx@EE
3966 \newinsert\bx@FF
3967 \newinsert\bx@GG
3968 \newinsert\bx@HH
3969 \newinsert\bx@II
3970 \newinsert\bx@JJ
3971 \newinsert\bx@KK
3972 \newinsert\bx@LL
3973 \newinsert\bx@MM
3974 \newinsert\bx@NN
3975 \newinsert\bx@OO
3976 \newinsert\bx@PP
3977 \newinsert\bx@QQ
3978 \newinsert\bx@RR
3979 \newinsert\bx@SS
3980 \newinsert\bx@TT
3981 \newinsert\bx@UU
3982 \newinsert\bx@VV
3983 \newinsert\bx@WW
3984 \newinsert\bx@XX
3985 \newinsert\bx@YY
3986 \newinsert\bx@ZZ
3987 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
3988 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
3989 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
3990 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
3991 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
3992 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
3993 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3994 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3995 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n

```



```

3996         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3997         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3998         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
3999         \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4000         \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4001         \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4002         \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4003         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4004         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4005     }{%
4006     \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageBreak
4007     {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\MessageBreak
4008     }%
4009 }%
4010 }
4011 \newboolean{@biditytfloat@packages@subfigure}
4012 \setboolean{@biditytfloat@packages@subfigure}{false}
4013 \AtBeginDocument{%
4014   \@ifpackageloaded{subfigure}
4015   {\gsetboolean{@biditytfloat@packages@subfigure}{true}}
4016   {\gsetboolean{@biditytfloat@packages@subfigure}{false}}%
4017 }
4018 \AtBeginDocument{%
4019   \@ifpackageloaded{float}{%
4020     % Save the redefined float environment (instead of the LaTeX float environment)
4021     \let\@biditytfloat@orig@float\float
4022     \let\@biditytfloat@orig@endfloat@endfloat
4023
4024     % Define Tuftian float styles (with the caption in the margin)
4025     \newcommand{\floatc@biditytfloatplain}[2]{%
4026       \begin{lrbox}{\@biditytfloat@caption@box}%
4027         \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4028           \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4029         }
4030       \end{minipage}%
4031       \end{lrbox}%
4032       \smash{\hspace{\@biditytfloat@caption@fill}\usebox{\@biditytfloat@caption@box}}%
4033     }
4034     \newcommand{\fs@biditytfloatplain}{%
4035       \def\@fs@cfont{\@biditytfloat@caption@font}%
4036       \let\@fs@capt\floatc@biditytfloatplain%
4037       \def\@fs@pre{}%
4038       \def\@fs@post{}%
4039       \def\@fs@mid{}%
4040       \let\@fs@iftopcapt\iftrue%
4041     }
4042     \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4043     \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4044     \newcommand\floatc@biditytfloatruled[2]{%
4045       {\@fs@cfont #1} #2\par%
4046     }

```




```

4093 \@bsphack
4094 \@floatpenalty -\@Mii
4095 \else
4096 \@floatpenalty-\@Miii
4097 \fi
4098 \ifinner
4099 \@parmoderr
4100 \@floatpenalty\z@
4101 \else
4102 \@next\@currbox\@freelist{}\}%
4103 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4104 {\@floatpenalty\z@
4105 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4106 \fi
4107 \@ifnextchar [\@biditytesidenotexmpar\@biditytesidenoteympar}
4108 \long\def\@biditytesidenotexmpar[#1]#2{%
4109 \@biditytesidenotesavemarbox\@marbox{#1}%
4110 \@biditytesidenotesavemarbox\@currbox{#2}%
4111 \@xympar}
4112 \long\def\@biditytesidenoteympar#1{%
4113 \@biditytesidenotesavemarbox\@marbox{#1}%
4114 \global\setbox\@currbox\copy\@marbox
4115 \@xympar}
4116 \long\def \@biditytesidenotesavemarbox #1#2{%
4117 \global\setbox #1%
4118 \color@vbox
4119 \vtop{%
4120 \hsize\marginparwidth
4121 \@parboxrestore
4122 \@biditytesidenotemarginparreset
4123 #2%
4124 \@minipagefalse
4125 \outer@nobreak
4126 }%
4127 \color@endbox
4128 }
4129 \def \@biditytesidenotemarginparreset {%
4130 \reset@font
4131 \normalsize
4132 \@minipagetrue
4133 \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
4134 }
4135 \def\LTRbiditytesidenotemarginpar{%
4136 \ifhmode
4137 \@bsphack
4138 \@floatpenalty -\@Mii
4139 \else
4140 \@floatpenalty-\@Miii
4141 \fi
4142 \ifinner

```




```

4143 \@parmoderr
4144 \@floatpenalty\z@
4145 \else
4146 \@next\@currbox\@freelist{}\}%
4147 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4148 {\@floatpenalty\z@
4149 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4150 \fi
4151 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4152 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4153 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4154 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4155 \@xympar}
4156 \long\def\@LTRbidityftesidenoteympar#1{%
4157 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4158 \global\setbox\@currbox\copy\@marbox
4159 \@xympar}
4160 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4161 \global\setbox #1%
4162 \color@vbox
4163 \vtop{%
4164 \hsize\marginparwidth
4165 \@parboxrestore
4166 \@LTRbidityftesidenotemarginparreset
4167 #2%
4168 \@minipagefalse
4169 \outer@nobreak
4170 }%
4171 \color@endbox
4172 }
4173 \def \@LTRbidityftesidenotemarginparreset {%
4174 \reset@font
4175 \normalsize
4176 \@minipagetrue
4177 \everypar{\@minipagefalse\everypar{}\beginL}%
4178 }
4179 \def\RTLbidityftesidenotemarginpar{%
4180 \ifhmode
4181 \@bsphack
4182 \@floatpenalty -\@Mii
4183 \else
4184 \@floatpenalty-\@Miii
4185 \fi
4186 \ifinner
4187 \@parmoderr
4188 \@floatpenalty\z@
4189 \else
4190 \@next\@currbox\@freelist{}\}%
4191 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4192 {\@floatpenalty\z@

```



```

4193 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4194 \fi
4195 \ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4196 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4197 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4198 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4199 \@xympar}
4200 \long\def\@RTLbidityftesidenoteympar#1{%
4201 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4202 \global\setbox\@currbox\copy\@marbox
4203 \@xympar}
4204 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4205 \global\setbox #1%
4206 \color@vbox
4207 \vtop{%
4208 \hsize\marginparwidth
4209 \@parboxrestore
4210 \@RTLbidityftesidenotemarginparreset
4211 #2%
4212 \@minipagefalse
4213 \outer@nobreak
4214 }%
4215 \color@endbox
4216 }
4217 \def \@RTLbidityftesidenotemarginparreset {%
4218 \reset@font
4219 \normalsize
4220 \@minipagetrue
4221 \everypar{\@minipagefalse\everypar{}\beginR}%
4222 }
4223 \newcommand{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4224 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4225 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4226 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4227 \newcommand*{\@bidityftesidenote@LTrsidenote@citation@font}{\@bidityftesidenote@marginfont}
4228 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4229 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4230 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4231 \newcommand*{\setLTrcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTrsidenote@citation@font}{#1}}
4232 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@au}
4233 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@au}
4234 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@au}
4235 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4236 \newcommand{\@bidityftesidenote@margin@par}{%
4237 \setlength{\RaggedRightParindent}{0.5pc}%
4238 \setlength{\JustifyingParindent}{0.5pc}%
4239 \setlength{\parindent}{0.5pc}%
4240 \setlength{\parskip}{0pt}%
4241 }
4242 %%

```



```

4243 % Globally sets the length
4244 \ifundefined{gsetlength}{%
4245 \newcommand*{\gsetlength}[2]{%
4246 \setlength{#1}{#2}%
4247 \global#1=#1\relax%
4248 }%
4249 }{}
4250 %%
4251 % Globally sets a boolean
4252 \ifundefined{gsetboolean}{%
4253 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
4254 \lowercase{\def\@tempa{#2}}%
4255 \ifundefined{\tempwa\@tempa}%
4256 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
4257 {\ifundefined{#1\@tempa}%
4258 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
4259 {\global\csname#1\@tempa\endcsname}%
4260 }%
4261 }%
4262 }{}
4263 %%
4264 % A function that removes leading and trailing spaces from the supplied macro.
4265 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4266 % Executing \@bidityftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4267 % being trimmed of leading and trailing white space.
4268 \catcode\Q=3
4269 \def\@bidityftesidenote@trim@spaces#1{%
4270 % Use grouping to emulate a multi-token afterassignment queue
4271 \begingroup%
4272 % Put \toks 0 {' into the afterassignment queue
4273 \aftergroup\toks\aftergroup0\aftergroup{%
4274 % Apply \trimb to the replacement text of #1, adding a leading
4275 % \noexpand to prevent brace stripping and to serve another purpose
4276 % later.
4277 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4278 % Transfer the trimmed text back into #1.
4279 \edef#1{\the\toks0}%
4280 }
4281 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4282 % clean up any leftover bizarre Qs, and trim a leading space. In
4283 % order for \trimc to work properly we need to put back a Q first.
4284 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4285 % Execute \vfuzz assignment to remove leading space; the \noexpand
4286 % will now prevent unwanted expansion of a macro or other expandable
4287 % token at the beginning of the trimmed text. The \endgroup will feed
4288 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4289 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4290 \catcode\Q=11
4291 %%
4292 % Citations should go in the margin as sidenotes

```



```

4293
4294 \RequirePackage{natbib}
4295 \RequirePackage{bibentry}      % allows bibitems to be typeset outside the bibliography environment
4296 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4297 \renewcommand\BR@b@bibitem[2] [] {%
4298   \ifthenelse{\isempty{#1}}{%
4299     {\BR@bibitem{#2}}%
4300     {\BR@bibitem{#1}{#2}}%
4301   \BR@c@bibitem{#2}%
4302 }
4303 \bidi@AtEndPreamble{\nobibliography*}      % pre-loads the bibliography keys
4304 %%
4305 % Normal \cite behavior
4306 \newcounter{@bidityftesidenote@num@bibkeys}%
4307 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt]{%
4308   % Snag the last bibentry in the list for later comparison
4309   \let\@temp@last@bibkey\empty%
4310   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4311   \sidenote[] [1]{%
4312     % Loop through all the bibentries, separating them with semicolons and spaces
4313     \normalsize\normalfont\@bidityftesidenote@citation@font%
4314     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4315     \@for\@temp@bibkeyx:=#2\do{%
4316       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4317         {\ifthenelse{\equal{value{@bidityftesidenote@num@bibkeys}}{0}}{\}{and\ }}%
4318         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4319         \bibentry{\@temp@bibkeyx}%
4320         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4321         \bibentry{\@temp@bibkeyx};\ }}%
4322       \stepcounter{@bidityftesidenote@num@bibkeys}%
4323     }%
4324   }%
4325 }
4326 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2] [Opt]{%
4327   % Snag the last bibentry in the list for later comparison
4328   \let\@temp@last@bibkey\empty%
4329   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4330   \LTRsidenote[] [1]{%
4331     % Loop through all the bibentries, separating them with semicolons and spaces
4332     \normalsize\normalfont\@bidityfteLTRsidenote@citation@font%
4333     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4334     \@for\@temp@bibkeyx:=#2\do{%
4335       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4336         {\ifthenelse{\equal{value{@bidityftesidenote@num@bibkeys}}{0}}{\}{and\ }}%
4337         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4338         \bibentry{\@temp@bibkeyx}%
4339         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4340         \bibentry{\@temp@bibkeyx};\ }}%
4341       \stepcounter{@bidityftesidenote@num@bibkeys}%
4342     }%

```



```

4343 }%
4344 }
4345 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
4346 % Snag the last bibentry in the list for later comparison
4347 \let\@temp@last@bibkey\empty%
4348 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4349 \RTLsidenote[] [#1]{%
4350 % Loop through all the bibentries, separating them with semicolons and spaces
4351 \normalsize\normalfont\@bidityftesidenote@citation@font%
4352 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4353 \@for\@temp@bibkeyx:=#2\do{%
4354 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4355 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4356 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4357 \bibentry{\@temp@bibkeyx}}%
4358 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4359 \bibentry{\@temp@bibkeyx};\ }%
4360 \stepcounter{\@bidityftesidenote@num@bibkeys}%
4361 }%
4362 }%
4363 }
4364 %%
4365 % Macros for holding the list of cite keys until after the \sidenote
4366 \gdef\@bidityftesidenote@citations{}% list of cite keys
4367 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4368 \ifx\@bidityftesidenote@citations\empty\else
4369 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
4370 \fi
4371 \g@addto@macro\@bidityftesidenote@citations{#1}
4372 }
4373 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4374 % Snag the last bibentry in the list for later comparison
4375 \let\@temp@last@bibkey\empty%
4376 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4377 \marginpar{%
4378 \hbox{\vspace*{#1}%
4379 \@bidityftesidenote@citation@font%
4380 \@bidityftesidenote@citation@justification%
4381 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4382 \vspace*{-1\baselineskip}}%
4383 % Loop through all the bibentries, separating them with semicolons and spaces
4384 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4385 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4386 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4387 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4388 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4389 \bibentry{\@temp@bibkeyx}}%
4390 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4391 \bibentry{\@temp@bibkeyx};\ }%
4392 \stepcounter{\@bidityftesidenote@num@bibkeys}%

```



```

4393 }%
4394 }%
4395 }
4396 %%
4397 % \cite behavior when executed within a sidenote
4398 \newcommand{\@bidiuftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4399 \newcommand{\@bidiuftesidenote@infootnote@cite}[1]{%
4400   \@bidiuftesidenote@add@citation{#1}
4401 }
4402 %%
4403 % Set the default \cite style. This is set and reset by the \sidenote command.
4404 \let\cite\@bidiuftesidenote@normal@cite
4405 \let\LTRcite\@bidiufteLTRsidenote@normal@cite
4406 \let\RTLcite\@bidiufteRTLSidenote@normal@cite
4407 %%
4408 % Transform existing \footnotes into \sidenotes
4409 % Sidenote: ``Where God meant footnotes to go.' ' ---bidiuftesidenote
4410 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4411 \providecommand{\footnotelayout}{\@bidiuftesidenote@sidenote@font\@bidiuftesidenote@sidenote@}
4412 \renewcommand{\footnotelayout}{\@bidiuftesidenote@sidenote@font\@bidiuftesidenote@sidenote@}
4413 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4414 % sidenote's text block.
4415 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidiuftesidenote@}
4416 % Set the in-text footnote mark in the same typeface as the body text itself.
4417 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize
4418 \providecommand*\@multiplefootnotemarker}{3sp}
4419 \providecommand*\multfootsep}{,}
4420 \bidi@patch@AfterPackage{bidi}{%
4421 \renewcommand{\@footnotemark}{%
4422   \leavevmode%
4423   \ifhmode%
4424     \edef\x@sf{\the\spacefactor}%
4425     \@bidiuftesidenote@check@multiple@sidenotes%
4426     \nobreak%
4427     \fi%
4428     \@makefnmark%
4429     \ifhmode\spacefactor\x@sf\fi%
4430     \relax%
4431 }%
4432 }
4433 \newcommand{\@bidiuftesidenote@check@multiple@sidenotes}{%
4434   \ifdim\lastkern=\multiplefootnotemarker\relax%
4435     \edef\x@sf{\the\spacefactor}%
4436     \unkern%
4437     \textsuperscript{\multfootsep}%
4438     \spacefactor\x@sf\relax%
4439   \fi
4440 }
4441 \bidi@patch@AfterPackage{bidi}{%
4442 \renewcommand\@footnotetext[2][0pt]{%

```



```

4443 \bidityftesidenotemarginpar{%
4444   \hbox{}\vspace*{#1}%
4445   \def\baselinestretch {\setspace@singlespace}%
4446   \reset@font\footnotesize%
4447   \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4448   \vspace*{-1\baselineskip}\noindent%
4449   \protected@edef\@currentlabel{%
4450     \csname p@footnote\endcsname\@thefnmark%
4451   }%
4452   \color@begingroup%
4453     \makefnfntext{%
4454       \ignorespaces#2%
4455     }%
4456   \color@endgroup%
4457 }%
4458 }%
4459 \renewcommand\@LTRfootnotetext[2][0pt]{%
4460   \LTRbidityftesidenotemarginpar{%
4461     \hbox{}\vspace*{#1}%
4462     \def\baselinestretch {\setspace@singlespace}%
4463     \reset@font\footnotesize%
4464     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4465     \vspace*{-1\baselineskip}\noindent%
4466     \protected@edef\@currentlabel{%
4467       \csname p@footnote\endcsname\@thefnmark%
4468     }%
4469     \color@begingroup%
4470       \makefnfntext{%
4471         \ignorespaces#2%
4472       }%
4473     \color@endgroup%
4474   }%
4475 }%
4476 \renewcommand\@RTLfootnotetext[2][0pt]{%
4477   \RTLbidityftesidenotemarginpar{%
4478     \hbox{}\vspace*{#1}%
4479     \def\baselinestretch {\setspace@singlespace}%
4480     \reset@font\footnotesize%
4481     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4482     \vspace*{-1\baselineskip}\noindent%
4483     \protected@edef\@currentlabel{%
4484       \csname p@footnote\endcsname\@thefnmark%
4485     }%
4486     \color@begingroup%
4487       \makefnfntext{%
4488         \ignorespaces#2%
4489       }%
4490     \color@endgroup%
4491   }%
4492 }%

```



```

4493 }
4494 %
4495 % Define \sidenote command. Can handle \cite.
4496 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
4497 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
4498 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4499 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
4500 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4501 \gdef\@bidityftesidenote@citations{}% clear out any old citations
4502 \ifthenelse{\NOT\isempty{#2}}{%
4503 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4504 }{%
4505 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4506 }%
4507 \ifthenelse{\isempty{#1}}{%
4508 % no specific footnote number provided
4509 \stepcounter\@mpfn%
4510 \protected@xdef\@thefnmark{\thempfn}%
4511 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4512 }{%
4513 % specific footnote number provided
4514 \begingroup%
4515 \csname c@\@mpfn\endcsname #1\relax%
4516 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4517 \endgroup%
4518 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4519 }%
4520 \@bidityftesidenote@print@citations% print any citations
4521 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4522 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4523 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4524 \unskip\ignorespaces% remove extra white space
4525 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4526 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4527 }
4528 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
4529 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4530 \gdef\@bidityftesidenote@citations{}% clear out any old citations
4531 \ifthenelse{\NOT\isempty{#2}}{%
4532 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4533 }{%
4534 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4535 }%
4536 \ifthenelse{\isempty{#1}}{%
4537 % no specific footnote number provided
4538 \stepcounter\@mpfn%
4539 \protected@xdef\@thefnmark{\thempfn}%
4540 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4541 }{%
4542 % specific footnote number provided

```




```

4543 \begingroup%
4544 \csname c@\mpfn\endcsname #1\relax%
4545 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4546 \endgroup%
4547 \@footnotemark\@LTRfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4548 }%
4549 \@bidituftesidenote@print@citations% print any citations
4550 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4551 \let\LTRcite\@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4552 \let\RTLcite\@biditufterTLSidenote@normal@cite% go back to using normal in-text \RTLcite co
4553 \unskip\ignorespaces% remove extra white space
4554 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4555 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4556 }
4557 \long\def\@RTLbidituftesidenote@sidenote[#1][#2]#3{%
4558 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4559 \gdef\@bidituftesidenote@citations{}% clear out any old citations
4560 \ifthenelse{\NOT\isempty{#2}}{%
4561 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
4562 }{%
4563 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
4564 }%
4565 \ifthenelse{\isempty{#1}}{%
4566 % no specific footnote number provided
4567 \stepcounter\mpfn%
4568 \protected@xdef\@thefnmark{\thempfn}%
4569 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4570 }{%
4571 % specific footnote number provided
4572 \begingroup%
4573 \csname c@\mpfn\endcsname #1\relax%
4574 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4575 \endgroup%
4576 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4577 }%
4578 \@bidituftesidenote@print@citations% print any citations
4579 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4580 \let\LTRcite\@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4581 \let\RTLcite\@biditufterTLSidenote@normal@cite% go back to using normal in-text \RTLcite co
4582 \unskip\ignorespaces% remove extra white space
4583 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4584 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4585 }
4586 \newcommand{\sidenote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}
4587 \newcommand{\LTRsidenote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}
4588 \newcommand{\RTLSidenote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}
4589 \bidi@patch@AfterPackage{bidi}{%
4590 \renewcommand{\footnote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}%
4591 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}%
4592 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}%

```



```

4593 }
4594 %%
4595 % Sidenote without the footnote mark
4596 \newcommand\marginnote[2][Opt]{%
4597   \let\cite\@bituftesidenote@infootnote@cite% use the in-sidenote \cite command
4598   \gdef\@bituftesidenote@citations{}% clear out any old citations
4599   \bituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bituftesidenote@marginnote@font\@bituft
4600   \@bituftesidenote@print@citations% print any citations
4601   \let\cite\@bituftesidenote@normal@cite% go back to using normal in-text \cite command
4602   \let\LTRcite\@bituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4603   \let\RTLcite\@bituftRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4604 }
4605 \newcommand\LTRmarginnote[2][Opt]{%
4606   \let\cite\@bituftesidenote@infootnote@cite% use the in-sidenote \cite command
4607   \gdef\@bituftesidenote@citations{}% clear out any old citations
4608   \LTRbbituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bituftesidenote@marginnote@font\@bit
4609   \@bituftesidenote@print@citations% print any citations
4610   \let\cite\@bituftesidenote@normal@cite% go back to using normal in-text \cite command
4611   \let\LTRcite\@bituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4612   \let\RTLcite\@bituftRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4613 }
4614 \newcommand\RTLMarginnote[2][Opt]{%
4615   \let\cite\@bituftesidenote@infootnote@cite% use the in-sidenote \cite command
4616   \gdef\@bituftesidenote@citations{}% clear out any old citations
4617   \RTLbbituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bituftesidenote@marginnote@font\@bit
4618   \@bituftesidenote@print@citations% print any citations
4619   \let\cite\@bituftesidenote@normal@cite% go back to using normal in-text \cite command
4620   \let\LTRcite\@bituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4621   \let\RTLcite\@bituftRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4622 }

```

7.24 bidituftetoc.sty

```

4623 \NeedsTeXFormat{LaTeX2e}
4624 \ProvidesPackage{bidituftetoc}[2011/06/17 v0.1
4625 bidi implementation of tufte toc]
4626 \RequirePackage{titlesec,titletoc,xifthen,biditools}
4627 \newcommand{\@bituftetoc@pkgname}{bidituftetoc}
4628 \newcommand{\@bituftetoc@Error}[2]{\PackageError{\@bituftetoc@pkgname}{#1}{#2}}
4629 %%
4630 % Turn off section numbering
4631 \setcounter{secnumdepth}{-1}
4632 \newboolean{@bituftetoc@toc}
4633 \setboolean{@bituftetoc@toc}{true}
4634 \DeclareOption{notoc}{\setboolean{@bituftetoc@toc}{false}}
4635 \DeclareOption{toc}{\setboolean{@bituftetoc@toc}{true}}
4636 \ProcessOptions
4637 %%
4638 % Make Tufte-style section headings and TOC formatting
4639 \bidi@patch@AfterPackage{bidi}{%

```



```

4640 \titleformat{\chapter}%
4641   [display]% shape
4642   {\relax\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\begin{fullwidth}}{}}% format applied to label+text
4643   {\itshape\huge\thechapter}% label
4644   {0pt}% horizontal separation between label and title body
4645   {\huge\rmfamily\itshape}% before the title body
4646   [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}}% after the title body
4647 \titleformat{\section}%
4648   [hang]% shape
4649   {\normalfont\Large\itshape}% format applied to label+text
4650   {\thesection}% label
4651   {1em}% horizontal separation between label and title body
4652   {}% before the title body
4653   []% after the title body
4654 \titleformat{\subsection}%
4655   [hang]% shape
4656   {\normalfont\large\itshape}% format applied to label+text
4657   {\thesubsection}% label
4658   {1em}% horizontal separation between label and title body
4659   {}% before the title body
4660   []% after the title body
4661 \titleformat{\paragraph}%
4662   [runin]% shape
4663   {\normalfont\itshape}% format applied to label+text
4664   {\theparagraph}% label
4665   {1em}% horizontal separation between label and title body
4666   {}% before the title body
4667   []% after the title body
4668 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4669 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4670 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
4671 }
4672 % Subsubsection and following section headings shouldn't be used.
4673 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4674 \renewcommand\subsubsection{%
4675   \biditytfloatError{\noexpand\subsubsection is undefined by this class.%
4676     \MessageBreak See Robert Bringhurst's _The Elements of
4677       \MessageBreak Typographic Style_, section 4.2.2.
4678     \MessageBreak \noexpand\subsubsection was used}
4679   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4680     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4681     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytfloat.com/.}
4682 }
4683 \renewcommand\subparagraph{%
4684   \biditytfloatError{\noexpand\subparagraph is undefined by this class.%
4685     \MessageBreak See Robert Bringhurst's _The Elements of
4686       \MessageBreak Typographic Style_, section 4.2.2.
4687     \MessageBreak \noexpand\subparagraph was used}
4688   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4689     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many

```



```

4690 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytftoc.com/.}
4691 }
4692 % Formatting for main TOC (printed in front matter)
4693 {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4694 \ifthenelse{\boolean{@biditytftoc@toc}}{%
4695 \bidity@patch@AfterPackage{bidity}{%
4696 \titlecontents{part}% FIXME
4697 [Oem] % distance from left margin
4698 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4699 {\contentslabel{2em}} % before w/label (label = ``II'')
4700 {} % before w/o label
4701 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4702 [\end{fullwidth}] % after
4703 \titlecontents{chapter}%
4704 [Oem] % distance from left margin
4705 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4706 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4707 {\hspace*{0em}} % before w/o label
4708 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4709 [\end{fullwidth}] % after
4710 \titlecontents{section}% FIXME
4711 [Oem] % distance from left margin
4712 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting)
4713 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4714 {\hspace*{2em}} % before w/o label
4715 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4716 [\end{fullwidth}] % after
4717 \titlecontents{subsection}% FIXME
4718 [Oem] % distance from left margin
4719 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting)
4720 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
4721 {\hspace*{4em}} % before w/o label
4722 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4723 [\end{fullwidth}] % after
4724 \titlecontents{paragraph}% FIXME
4725 [Oem] % distance from left margin
4726 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global formatting)
4727 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4728 {\hspace*{6em}} % before w/o label
4729 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4730 [\end{fullwidth}] % after
4731 }%
4732 }{}
4733 %%
4734 % Format lists of figures/tables
4735 \renewcommand\listoffigures{%
4736 \@ifundefined{chapter}%
4737 {\section*{\listfigurename}}%
4738 {\chapter*{\listfigurename}}%
4739 % \begin{fullwidth}%

```



```

4740 \starttoc{lof}%
4741 % \end{fullwidth}%
4742 }
4743 \renewcommand\listoftables{%
4744 \ifundefined{chapter}%
4745 {\section*{\listtablename}}%
4746 {\chapter*{\listtablename}}%
4747 % \begin{fullwidth}%
4748 \starttoc{lot}%
4749 % \end{fullwidth}%
4750 }
4751 \newcommand{\@bidityfttoc@lof@line}[2]{%
4752 % #1 is the figure/table number and its caption text
4753 % #2 is the page number on which the figure/table appears
4754 \leftskip 0.0em
4755 \rightskip 0em
4756 \parfillskip 0em plus 1fil
4757 \parindent 0.0em
4758 \@afterindenttrue
4759 \interlinepenalty\@M
4760 \leavevmode
4761 \@tempdima 2.0em
4762 \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
4763 \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
4764 {#1}\nobreak\qqquad\nobreak#2%
4765 \par%
4766 }
4767 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
4768 \let\l@table\l@figure

```

7.25 bidityftgeneralstructure.sty

```

4769 \NeedsTeXFormat{LaTeX2e}
4770 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
4771 bidi implementation of tufte general structure]
4772 \renewcommand\small{%
4773 \@setfontsize\small\@ixpt{12}%
4774 \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
4775 \abovedisplayshortskip \z@ \@plus2\p@
4776 \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
4777 \def\@listi{\leftmargin\leftmarginI
4778 \topsep 4\p@ \@plus2\p@ \@minus2\p@
4779 \parsep 2\p@ \@plus\p@ \@minus\p@
4780 \itemsep \parsep}%
4781 \belowdisplayskip \abovedisplayskip
4782 }
4783 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
4784 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
4785 \renewcommand\large{\@setfontsize\large\@xipt{15}}
4786 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}

```



```

4787 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
4788 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
4789 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
4790 \setlength\leftmargini {1pc}
4791 \setlength\leftmarginii {1pc}
4792 \setlength\leftmarginiii {1pc}
4793 \setlength\leftmarginiv {1pc}
4794 \setlength\leftmarginv {1pc}
4795 \setlength\leftmarginvi {1pc}
4796 \setlength\labelsep {1.5pc}
4797 \setlength\labelwidth {\leftmargini}
4798 \addtolength\labelwidth{-\labelsep}
4799 \setlength{\parindent}{1.0pc}%
4800 \setlength{\parskip}{0pt}%
4801 \RequirePackage{ragged2e}
4802 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
4803 % Paragraph indentation and separation for normal text
4804 \newcommand{\@bidiuftgeneralstructure@reset@par}{%
4805 \setlength{\RaggedRightParindent}{1.0pc}%
4806 \setlength{\JustifyingParindent}{1.0pc}%
4807 \setlength{\parindent}{1pc}%
4808 \setlength{\parskip}{0pt}%
4809 }
4810 \@bidiuftgeneralstructure@reset@par
4811 % Require paralist package for tighter lists
4812 \RequirePackage{paralist}
4813 % Add rightmargin to compactenum
4814 \def\@compactenum{%
4815 \expandafter\list\csname label\@enumctr\endcsname{%
4816 \usecounter{\@enumctr}%
4817 \rightmargin=2em% added this
4818 \parsep\plparsep
4819 \itemsep\plitemsep
4820 \topsep\pltopsep
4821 \partopsep\plpartopsep
4822 \def\makelabel##1{\hss\llap{##1}}}}
4823 %%
4824 % An environment for paragraph-style section
4825 \providecommand\newthought[1]{%
4826 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
4827 \noindent\textbf{#1}%
4828 }
4829 %%
4830 % Redefine the display environments (quote, quotation, etc.)
4831 \renewenvironment{verse}
4832 {\let\\\@centercr
4833 \list{}{\itemsep \z@
4834 \itemindent -1pc%
4835 \listparindent\itemindent
4836 \rightmargin \leftmargin

```



```

4837             \advance\leftmargin 1pc}%
4838             \small%
4839             \item\relax}
4840         {\endlist}
4841 \renewenvironment{quotation}
4842     {\list{}{\listparindent 1pc%
4843             \itemindent \listparindent
4844             \rightmargin \leftmargin
4845             \parsep \z@ \@plus\p@}%
4846             \small%
4847             \item\relax\noindent\ignorespaces}
4848     {\endlist}
4849 \renewenvironment{quote}
4850     {\list{}{\rightmargin\leftmargin}%
4851             \small%
4852             \item\relax}
4853     {\endlist}
4854 % Italicize description run-in headings (instead of the default bold)
4855 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
4856 %%
4857 % Redefine \bibsection to not mark the running heads.
4858 % (Code modified from natbib.sty.)
4859 \@ifundefined{chapter}%
4860     {\renewcommand\bibsection{\section*{\refname}}}
4861     {\@ifundefined{NAT@sectionbib}%
4862         {\renewcommand\bibsection{\chapter{\bibname}}}
4863         {\renewcommand\bibsection{\section*{\bibname}}}}
4864 \RequirePackage{multicol}
4865 \renewenvironment{theindex}{%
4866 \@ifundefined{chapter}%
4867     {\section*{\indexname}}%
4868     {\chapter{\indexname}}%
4869 \begin{fullwidth}%
4870 \small%
4871 \parskip0pt%
4872 \parindent0pt%
4873 \let\item\@idxitem%
4874 \begin{multicols}{3}%
4875 }{%
4876 \end{multicols}%
4877 \end{fullwidth}%
4878 }
4879 \AtBeginDocument{%
4880 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
4881 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
4882 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
4883 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
4884 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```



7.26 `bidituftehyperref.sty`

```
4885 \NeedsTeXFormat{LaTeX2e}
4886 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
4887 bidi implementation of tufte hyperref]
4888 %%
4889 % Color
4890 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
4891 \newboolean{@bidituftehyperref@loadhyper}
4892 \setboolean{@bidituftehyperref@loadhyper}{true}
4893 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
4894 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
4895 \ProcessOptions
4896 %% Loads the hyperref package and sets some default options.
4897 \newcommand{\bidituftehyperrefLoadHyperref}{%
4898 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
4899 \hypersetup{%
4900     bookmarksdepth = section,
4901     citecolor = DarkGreen,
4902     linkcolor = DarkBlue,
4903     % pagecolor = DarkBlue,
4904     urlcolor = DarkGreen,
4905 }%
4906 }
4907 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
4908 \bidituftehyperrefLoadHyperref%
4909 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
4910 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
4911 }
```

7.27 `bidituftetitle.sty`

```
4912 \NeedsTeXFormat{LaTeX2e}
4913 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
4914 bidi implementation of tufte title]
4915 \RequirePackage{biditools}
4916 %%
4917 % `titlepage' option -- creates a full title page with \maketitle
4918 \newboolean{@bidituftetitle@titlepage}
4919 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
4920 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
4921 % Default `book' and `handout' options
4922 \ifclassloaded{book}{%
4923 \ExecuteOptions{titlepage}}{%
4924 \ifclassloaded{article}{%
4925 \ExecuteOptions{notitlepage}}%
4926 {}}
4927 \ProcessOptions
4928 %%
4929 % Modified \title, \author, and \date commands. These store the
4930 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
```




```

4931 \newcommand{\plaintitle}{}%      plain-text-only title
4932 \newcommand{\plainauthor}{}%     plain-text-only author
4933 \newcommand{\plainpublisher}{}%   plain-text-only publisher
4934 \newcommand{\thanklesstitle}{}%   full title text minus \thanks{}
4935 \newcommand{\thanklessauthor}{}%  full author text minus \thanks{}
4936 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
4937 \newcommand{\@publisher}{}% full publisher with \thanks{}
4938 \newcommand{\thedata}{\today}
4939 \bidi@patch@AfterPackage{bidi}{%
4940 \renewcommand{\thanks}[1]{\footnote{#1}}
4941 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
4942 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
4943 }
4944 \renewcommand{\title}[2][]{%
4945   \gdef\@title{#2}%
4946   \begingroup%
4947     % TODO store contents of \thanks command
4948     \renewcommand{\thanks}[1]{}% swallow \thanks contents
4949     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4950     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4951     \protected@xdef\thanklesstitle{#2}%
4952   \endgroup%
4953   \ifthenelse{\isempty{#1}}%
4954     {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
4955     {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
4956   \@ifundefined{hypersetup}%
4957     {}% hyperref is not loaded; do nothing
4958     {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
4959 }
4960 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
4961 \renewcommand{\author}[2][]{%
4962   \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
4963   \begingroup%
4964     % TODO store contents of \thanks command
4965     \renewcommand{\thanks}[1]{}% swallow \thanks contents
4966     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4967     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4968     \protected@xdef\thanklessauthor{#2}%
4969   \endgroup%
4970   \ifthenelse{\isempty{#1}}%
4971     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
4972     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
4973   \@ifundefined{hypersetup}%
4974     {}% hyperref is not loaded; do nothing
4975     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
4976 }
4977 \renewcommand{\date}[1]{%
4978   \gdef\@date{#1}%
4979   \begingroup%
4980     % TODO store contents of \thanks command

```



```

4981 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4982 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4983 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4984 \protected@xdef\thedata{#1}%
4985 \endgroup%
4986 }
4987 %%
4988 % Provides a \publisher command to set the publisher
4989 \newcommand{\publisher}[2][{}]{%
4990 \gdef\@publisher{#2}%
4991 \begingroup%
4992 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4993 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4994 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4995 \protected@xdef\thanklesspublisher{#2}%
4996 \endgroup%
4997 \ifthenelse{\isempty{#1}}{
4998 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
4999 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5000 }
5001 %%
5002 % Produces a full title page
5003 \newcommand{\maketitlepage}[0]{%
5004 \cleardoublepage%
5005 {%
5006 \bfseries%
5007 \begin{fullwidth}%
5008 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5009 \vspace{11.5pc}%
5010 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5011 \vfill%
5012 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5013 \end{fullwidth}%
5014 }
5015 \thispagestyle{empty}%
5016 \clearpage%
5017 }
5018 %%
5019 % Title block
5020 \bidi@AfterEndPreamble{%
5021 \renewcommand{\maketitle}{%
5022 \newpage%
5023 \global\@topnum\z@% prevent floats from being placed at the top of the page
5024 \begingroup%
5025 \setlength{\parindent}{0pt}%
5026 \setlength{\parskip}{4pt}%
5027 \let\@title\@empty%
5028 \let\@author\@empty%
5029 \let\@date\@empty%
5030 \gdef\@title{\LARGE\itshape\@title\par}%

```



```

5031 \gdef\@author{\Large\itshape\@author\par}%
5032 \gdef\@date{\Large\itshape\@date\par}%
5033 \@@title%
5034 \@@author%
5035 \@@date%
5036 \endgroup%
5037 \thispagestyle{plain}% suppress the running head
5038 }%
5039 }
5040 %%
5041 % Title page (if the 'titlepage' option was passed to the bidentitetitle-handout
5042 % class.)
5043 \bidi@AfterEndPreamble{%
5044 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5045 {\renewcommand{\maketitle}{\maketitlepage}}
5046 {}
5047 }
5048 %%
5049 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5050 % without headers and footers
5051 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5052 \hbox{}
5053 %\vspace*{\fill}
5054 %\begin{center}
5055 % This page intentionally contains only this sentence.
5056 %\end{center}
5057 %\vspace{\fill}
5058 \thispagestyle{empty}
5059 \newpage
5060 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

7.28 bidentite-handout.cls

```

5061 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5062 \ProvidesClass{bidentite-handout}[2011/06/18 v0.1 bidentite-handout class]
5063 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5064 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentitefloat}}
5065 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentitetoc}}
5066 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentitehyperref}}
5067 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentitetitle}}
5068 \ProcessOptions\relax
5069 \LoadClass{article}
5070 \RequirePackage{bidentitefloat}
5071 \RequirePackage{bidentitesidenote}
5072 \RequirePackage{bidentitetoc}
5073 \RequirePackage{bidentitegeneralstructure}
5074 \RequirePackage{bidentitehyperref}
5075 \RequirePackage{bidentitetitle}
5076 \renewenvironment{abstract}
5077 {\begin{quotation}}

```



```

5078 {\end{quotation}}
5079 \AtBeginDocument{%
5080 \IfFileExists{biditufte-handout.cfg}
5081 {\input{biditufte-handout.cfg}
5082 \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5083 {}}%
5084 }

```

7.29 biditufte-book.cls

```

5085 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5086 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5087 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5088 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5089 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5090 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5091 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5092 \ProcessOptions\relax
5093 \LoadClass{book}
5094 \RequirePackage{bidituftefloat}
5095 \RequirePackage{bidituftesidenote}
5096 \RequirePackage{bidituftetoc}
5097 \RequirePackage{bidituftegeneralstructure}
5098 \RequirePackage{bidituftehyperref}
5099 \RequirePackage{bidituftetitle}
5100 %%
5101 % Set up any book-specific stuff now
5102 %%
5103 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5104 % to the opening page of Chapter 1. The running heads, when they appear,
5105 % contain only the (arabic) page number in the outside corner.
5106 %\newif\if@mainmatter \@mainmattertrue
5107 \renewcommand\frontmatter{%
5108 \cleardoublepage%
5109 \@mainmatterfalse%
5110 \pagenumbering{arabic}%
5111 %\pagestyle{plain}%
5112 \fancyhf{}%
5113 \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
5114 {\fancyhead[LE,RO]{\thepage}}%
5115 {\fancyhead[RE,RO]{\thepage}}%
5116 }
5117 %%
5118 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5119 % numbering---it continues where it left off in the front matter.
5120 \renewcommand\mainmatter{%
5121 \cleardoublepage%
5122 \@mainmattertrue%
5123 \fancyhf{}%
5124 \ifthenelse{\boolean{@bidituftefloat@twoside}}{%

```



```

5125     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
5126     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5127     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5128     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5129 }
5130 %%
5131 % The back matter contains appendices, indices, glossaries, endnotes,
5132 % bibliographies, list of contributors, illustration credits, etc.
5133 \renewcommand\backmatter{%
5134   \if@openright%
5135     \cleardoublepage%
5136   \else%
5137     \clearpage%
5138   \fi%
5139   \@mainmatterfalse%
5140 }
5141 %%
5142 % Only show the chapter titles in the table of contents
5143 \setcounter{tocdepth}{0}
5144 \AtBeginDocument{%
5145   \IfFileExists{biditufte-book.cfg}
5146   {\input{biditufte-book.cfg}}
5147   \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5148 {}%
5149 }

```

7.30 bidipoem.sty

```

5150 \NeedsTeXFormat{LaTeX2e}
5151 \ProvidesPackage{bidipoem}%
5152 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5153
5154 % Usage:
5155 %
5156 % \Setversedim #1#2 % define the layout (within a group):
5157 % #1 = length of both half-verses
5158 % #2 = separation distance = length of a connection, if present
5159 % Variant:
5160 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5161 % #1 = length of first (=right) half-verse
5162 % #2 = length of second (=left) half-verse
5163 % #3 = separation distance = length of a connection, if present
5164 %
5165 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5166 % #1 = text of first (=right) half-verse
5167 % #2 = text of second (=left) half-verse
5168 % Variant:
5169 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5170 % #1 = text of first (=right) half-verse
5171 % #2 = text of connection

```



```

5172 % #3 = text of second (=left) half-verse
5173 %
5174 % Alternative (if preferred):
5175 %
5176 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5177
5178
5179 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5180
5181 % define the layout, verses will be centered
5182
5183 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5184 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5185
5186 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5187 \bidipoem@hvind \textwidth
5188 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5189 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []\else
5190 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@n
5191
5192 \def \bidipoem@set@verseI [#1]{% optional parameter
5193 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5194
5195 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5196 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5197 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5198
5199 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5200 \ifdim Opt > \bidipoem@hvind %
5201 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
5202 \else
5203 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5204 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5205 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
5206 \par }
5207
5208 % macro for two half verses
5209 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5210 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]%
5211 \else\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5212 \bidipoem@half@verses@next}
5213
5214 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5215 \traditionalconnverses {#1}{#2}{#3}}
5216
5217
5218 {\catcode\^^M=\active % these lines must end with %
5219 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
5220 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5221 {\catcode\^^M=\active % these lines must end with %

```



```

5222 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
5223 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5224 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5225 \def\poemmarginskip{1em plus 1fil minus 1em}
5226 \def\poemextrabaseskip{0\baselineskip}
5227 \def\poemskip{\medskip}
5228 \newcommand{\bidipoem@openbox}{\leavevmode
5229 \hbox to.77778em{%
5230 \hfil\vrule
5231 \vbox to.675em{\hrule width.6em\vfil\hrule}}%
5232 \vrule\hfil}}
5233 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5234 \newdimen\versewidth
5235 \newtoks\bidipoem@p@ftn
5236 \def\poem@verse#1{%
5237 \ifdim\wd#1>\new@poem@width
5238 \xdef\new@poem@width{\the\wd#1}%
5239 \ifdim\new@poem@width>\poem@width
5240 \xdef\poem@width{\new@poem@width}%
5241 \global\let\poem@needrun\relax
5242 \fi
5243 \fi
5244 \hbox to\poem@width{\unhbox#1}%
5245 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5246 }
5247 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmarginskip\relax}
5248 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
5249 \def\poem@lineversesep{%
5250 \nobreak
5251 \hskip\z@ plus 1filll%
5252 \penalty600%
5253 \hskip\poemcolsepskip
5254 \hskip\z@ plus -2filll%
5255 \vadjust{}}%
5256 \nobreak
5257 \hskip\z@ plus 1filll%
5258 }
5259 \def\poem@lineparsebegin{%
5260 \halign\bgroup
5261 \global\setbox\verse@i=\hbox{%
5262 \let\@footnotetext\bidipoem@p@ftntext%
5263 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5264 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5265 \let\@xfootnotenext\bidipoem@p@xftntext%
5266 \let\@xfootnote\bidipoem@p@xfootnote%
5267 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5268 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5269 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5270 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5271 \ignorespaces##\unskip}&&

```



```

5272 \global\setbox\verse@ii=\hbox{%
5273 \let\@footnotetext\bidipoem@p@fnttext%
5274 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5275 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5276 \let\@xfootnotenext\bidipoem@p@xftntext%
5277 \let\@xfootnote\bidipoem@p@xfootnote%
5278 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5279 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5280 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5281 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5282 \ignorespaces##\unskip}
5283 \cr
5284 }
5285 \def\poem@lineparseend{%
5286 \crr\egroup
5287 \vskip-\baselineskip
5288 }
5289 \def\traditionalpoem@cr{%
5290 \cr\poem@line
5291 }
5292 \newbox\verse@i
5293 \newbox\verse@ii
5294 \newif\ifpoem@started
5295
5296 \def\poem@line{%
5297 \poem@lineparseend
5298 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5299 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5300 \ifpoem@started
5301 \ifdim\wd\verse@ii>\z@\else
5302 \nopagebreak[3]
5303 \fi
5304 \leavevmode
5305 \poem@linebegin
5306 \poem@verse\verse@i
5307 \ifdim\wd\verse@ii>\z@
5308 \poem@lineversesep
5309 \poem@verse\verse@ii
5310 \fi
5311 \poem@lineend
5312 % \nopagebreak
5313 \par
5314 \vskip\poemextrabaseskip
5315 \fi
5316 \poem@lineparsebegin
5317 }
5318 \def\@traditionalpoem{%
5319 \stepcounter{poem@no}
5320 \ifnum\max@poem@no<\number\c@poem@no%
5321 \xdef\poem@width{\z@}%

```




```

5322         \else
5323 \xdef\poem@width{\poem@prop{poem@width}}%
5324 \fi
5325 \xdef\new@poem@width{\z@}%
5326 \global\versewidth=\poem@width

5327 \poemskip\par
5328 \begingroup
5329 \tabskip=\z@
5330 \parskip=\z@
5331 \parindent=\z@
5332 \parfillskip=\z@
5333 \rightskip=\z@
5334 \leftskip=\z@
5335 \widowpenalty=10000% No break between verses of the same line.
5336 \clubpenalty=10000% Same as above. Not really needed.
5337 \def\newblock{\hfil\poemblocksep\hfil\null}%
5338 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5339 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
5340 \global\poem@startedfalse
5341 \csname poem@obeylines\endcsname
5342 \let\poem@obeylines\relax
5343 \poem@lineparsebegin
5344 }
5345 \def\@endtraditionalpoem{%
5346 \cr
5347 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5348 \noalign{%
5349 \skip0=\poemextrabaselineskip
5350 \vskip-\skip0
5351 \vskip-\baselineskip
5352 }%
5353 \fi\fi
5354 \poem@lineparseend
5355 \endgroup
5356 \par
5357 \vskip\baselineskip
5358 \poemskip
5359 \if@nparlist \else
5360 \ifdim\lastskip >\z@
5361 \@tempskipa\lastskip \vskip -\lastskip
5362 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5363 \vskip\@tempskipa
5364 \fi
5365 \@endparenv
5366 \fi
5367 \ifdim\new@poem@width<\poem@width
5368 \global\let\poem@needrun\relax
5369 \fi
5370 \poem@write@aux{poem@width@\romannumeral\c@poem@no}{\new@poem@width}%

```



```

5371 \ifx\AtEndDocument\undefined\poem@finish\fi
5372 }
5373
5374
5375 \long\def\bidipoem@p@ftntext#1{%
5376   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
5377   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5378 \long\def\bidipoem@p@LTRftntext#1{%
5379   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5380   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5381 \long\def\bidipoem@p@RTLftntext#1{%
5382   \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5383   \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5384
5385 \long\def\bidipoem@p@xftntext[#1]#2{%
5386   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5387
5388 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5389   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5390
5391 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5392   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5393
5394 \def\bidipoem@p@xfootnote[#1]{%
5395   \begingroup
5396     \csname c@\@mpfn\endcsname #1\relax
5397     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5398   \endgroup
5399   \@footnotemark\bidipoem@p@xftntext[#1]}
5400
5401 \def\bidipoem@p@xLTRfootnote[#1]{%
5402   \begingroup
5403     \csname c@\@mpfn\endcsname #1\relax
5404     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5405   \endgroup
5406   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5407
5408 \def\bidipoem@p@xRTLfootnote[#1]{%
5409   \begingroup
5410     \csname c@\@mpfn\endcsname #1\relax
5411     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5412   \endgroup
5413   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5414
5415
5416
5417 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5418 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines}
5419 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5420 \def\poem@finish{%

```



```

5421 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5422 \ifx\poem@needrun\relax
5423 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5424 \global\let\poem@needrun\undefined
5425 \fi
5426 }
5427 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5428 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5429 \ifx\max@poem@no\undefined
5430 \def\max@poem@no{0}%
5431 \fi
5432 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
5433 \newcommand{\poem@write@aux}[2]{%
5434 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5435 \@x
5436 }
5437 \def\@modernpoem{%
5438 \par
5439 \begingroup
5440 \parskip=\z@
5441 \parindent=\z@
5442 \def\{ {\@settab\@tabplus\ignorespaces}%
5443 \def\} {\@tabminus\ignorespaces}%
5444 \def\newblock{\poemblocksep}%
5445 \let\newpoem@tabcr\@tabcr
5446 \def\modernpoem@par{% Redefine \par for possible \obeylines
5447 \ifpoem@started\else
5448 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5449 \@stopfield
5450 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5451 \@contfield
5452 \fi
5453 \fi
5454 \ifpoem@started\newpoem@tabcr\fi}%
5455 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5456 \global\poem@startedfalse
5457 \csname poem@obeylines\endcsname
5458 \let\poem@obeylines\relax
5459 \begin{tabbing}%
5460 }
5461 \def\@endmodernpoem{%
5462 \global\poem@startedfalse
5463 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5464 \@stopfield
5465 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5466 \@contfield
5467 \fi
5468 \ifpoem@started\else\let\@stopline\@stopfield\fi
5469 \end{tabbing}%
5470 \endgroup

```



```

5471 \par
5472 \if@noparlist \else
5473 \ifdim\lastskip >\z@
5474 \@tempskipa\lastskip \vskip -\lastskip
5475 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5476 \vskip\@tempskipa
5477 \fi
5478 \@endparenv
5479 \fi
5480 }
5481 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5482 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem}
5483 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5484 \gdef\@startfield{%
5485 \global\setbox\@curfield\hbox\bgroup%
5486 \let\@footnotetext\bidipoem@p@fnttext%
5487 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5488 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5489 \let\@xfootnotenext\bidipoem@p@xftntext%
5490 \let\@xfootnote\bidipoem@p@xfootnote%
5491 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5492 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5493 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5494 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5495 \color@begingroup}
5496 \gdef\@stopfield{%
5497 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
5498 \gdef\@contfield{%
5499 \global\setbox\@curfield\hbox\bgroup%
5500 \let\@footnotetext\bidipoem@p@fnttext%
5501 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5502 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5503 \let\@xfootnotenext\bidipoem@p@xftntext%
5504 \let\@xfootnote\bidipoem@p@xfootnote%
5505 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5506 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5507 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5508 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5509 \color@begingroup\unhbox\@curfield}

```

7.31 boek3-xetex-bidi.def

```

5510 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX et
5511 \renewenvironment{theindex}{%
5512 \if@twocolumn
5513 \@restonecolfalse
5514 \else
5515 \@restonecoltrue
5516 \fi
5517 \columnseprule \z@

```



```

5518 \columnsep 35\p@
5519 \twocolumn[@makeschapterhead{\indexname}]{%
5520 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
5521 \thispagestyle{plain}\parindent\z@
5522 \parskip\z@ \@plus .3\p@\relax
5523 \let\item\@idxitem
5524 }{%
5525 \if@restonecol\onecolumn\else\clearpage\fi}
5526 \renewcommand*{\head@style}{%
5527 \interlinepenalty \@M
5528 \hyphenpenalty=\@M \exhyphenpenalty=\@M
5529 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5530 \renewcommand*{\regtocline}[3]{%
5531 \ifnum #1>\c@tocdepth
5532 \else
5533 \vskip\z@ \@plus .2\p@
5534 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5535 \if@RTL\rightskip\else\leftskip\fi\unitindent
5536 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
5537 \parfillskip\z@
5538 \@tempdima\unitindent
5539 \parindent\z@
5540 \leavevmode
5541 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5542 \hskip 1em \nobreak{\slshape #3}\par
5543 }%
5544 \fi}
5545 \if@oldtoc
5546 \renewcommand*{\l@part}[2]{%
5547 \ifnum \c@tocdepth >-2\relax
5548 \addpenalty{-\@highpenalty}%
5549 \addvspace{2.25em \@plus\p@}%
5550 \begingroup
5551 \setlength\@tempdima{3em}%
5552 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5553 \parfillskip -\@pnumwidth
5554 {\leavevmode
5555 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5556 \nobreak
5557 \global\@nobreaktrue
5558 \everypar{\global\@nobreakfalse\everypar{}}%
5559 \endgroup
5560 \fi}
5561 \else
5562 \renewcommand*{\l@part}{%
5563 \ifnum \c@tocdepth >-2\relax
5564 \addpenalty{-\@highpenalty}%
5565 \addvspace{2.25em \@plus \p@}%
5566 \@regtocline{0}%
5567 \fi}

```



```

5568 \fi
5569 \if@oldtoc
5570 \renewcommand*\l@chapter[2]{%
5571     \addpenalty{-\@highpenalty}%
5572     \vskip 1.0em \@plus\p@
5573     \setlength\@tempdima{1.5em}%
5574     \begingroup
5575     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5576     \parfillskip -\@pnumwidth
5577     \leavevmode \bfseries
5578     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5579     \hskip -\if@RTL\rightskip\else\leftskip\fi
5580     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5581     \penalty\@highpenalty
5582 \endgroup}
5583 \else
5584 \renewcommand*\l@chapter{\@regtocline{0}}
5585 \fi
5586 \renewenvironment{abstract}{%
5587     \titlepage
5588     \null\vfil
5589     \section*{\SectFont \abstractname}
5590     \noindent\ignorespaces}
5591 {\par\vfil\null\endtitlepage}
5592 \renewenvironment{thebibliography}[1]
5593 {\chapter*{\bibname}%
5594     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5595     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5596     \list{\@biblabel{\@arabic{c@enumiv}}}%
5597         {\settowidth\labelwidth{\@biblabel{#1}}%
5598         \leftmargin\labelwidth
5599         \advance\leftmargin\labelsep
5600         \@openbib@code
5601         \usecounter{enumiv}%
5602         \let\p@enumiv\@empty
5603         \renewcommand*\theenumiv{\@arabic{c@enumiv}}}%
5604     \sloppy\clubpenalty4000\widowpenalty4000
5605     \sfcode\@. \@m}
5606 {\def\@noitemerr
5607     {\@latex@warning{Empty `thebibliography' environment}}%
5608     \endlist}
5609 \renewcommand*\left@footnoterule{%
5610     \kern-3\p@
5611     \kern.5\baselineskip
5612     \hrule\@width\unitindent
5613     \kern.4\baselineskip
5614 }
5615 \renewcommand*\right@footnoterule{%
5616     \kern-3\p@
5617     \kern.5\baselineskip

```



```

5618 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5619 \kern.4\baselineskip}
5620 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5621 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5622 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5623 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5624 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5625 \renewcommand*\theequation{%
5626 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5627 \renewcommand*\thefigure{%
5628 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
5629 \renewcommand*\thetable{%
5630 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
5631 \renewcommand*\maketitle{%
5632 \begin{titlepage}%
5633 \let\footnotesize\small
5634 \let\right@footnoterule\relax
5635 \let\left@footnoterule\relax
5636 \let\textwidth@footnoterule\relax
5637 \let \footnote \thanks
5638 \long\def\@makefnmark##1{\parindent\z@
5639 \def\labelitemi{\textendash}\@revlabeltrue
5640 \leavevmode\@textsuperscript{\theftnmark}\kern1em\relax ##1}
5641 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5642 \if@compatibility\setcounter{page}{0}\fi
5643 \null\vfil
5644 \vskip 60\p@
5645 \begin{center}%
5646 \TitleFont
5647 {\LARGE \def\{\{\penalty -\@M}
5648 \if@allcaps
5649 \expandafter\uc@nothanks\@title\thanks\relax
5650 \else
5651 \@title
5652 \fi\par}%
5653 \vskip 3em%
5654 {\large
5655 \lineskip .75em \parindent\z@
5656 \begin{tabular}[t]{c}%
5657 \if@allcaps
5658 \expandafter\uc@authornothanks\@author\and\relax
5659 \else
5660 \@author
5661 \fi
5662 \end{tabular}\par}%
5663 \vskip 1.5em%
5664 {\large
5665 \if@allcaps
5666 \uppercase\expandafter{\@date}%
5667 \else

```



```

5668         \@date
5669         \fi\par}%
5670     \end{center}\par
5671     \@thanks
5672     \vfil\null
5673 \end{titlepage}%
5674 \setcounter{footnote}{0}%
5675 \global\let\thanks\relax
5676 \global\let\maketitle\relax
5677 \global\let\@thanks\@empty
5678 \global\let\@author\@empty
5679 \global\let\@title\@empty
5680 \global\let\@date\@empty
5681 \global\let\title\relax
5682 \global\let\author\relax
5683 \global\let\date\relax
5684 \global\let\and\relax
5685 }

```

7.32 boek-xetex-bidi.def

```

5686 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX eng
5687 \renewenvironment{theindex}{%
5688     \if@twocolumn
5689         \@restonecolfalse
5690     \else
5691         \@restonecoltrue
5692     \fi
5693     \columnseprule \z@
5694     \columnsep 35\p@
5695     \twocolumn[\@makeschapterhead{\indexname}]{%
5696         \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
5697     \thispagestyle{plain}\parindent\z@
5698     \parskip\z@ \@plus .3\p@\relax
5699     \let\item\@idxitem
5700     }{%
5701     \if@restonecol\onecolumn\else\clearpage\fi}
5702 \renewcommand*{\head@style}{%
5703     \interlinepenalty \@M
5704     \hyphenpenalty=\@M \exhyphenpenalty=\@M
5705     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5706 \renewcommand*{\regtocline}[3]{%
5707     \ifnum #1>\c@tocdepth
5708     \else
5709         \vskip\z@\@plus.2\p@
5710         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5711         \if@RTL\rightskip\else\leftskip\fi\unitindent
5712         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5713         \parfillskip\z@
5714         \@tempdima\unitindent

```




```

5715 \parindent\z@
5716 \leavevmode
5717 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5718 \hskip 1em \nobreak{\slshape #3}\par
5719 }%
5720 \fi}
5721 \if@oldtoc
5722 \renewcommand*\l@part[2]{%
5723 \ifnum \c@tocdepth >-2\relax
5724 \addpenalty{-\@highpenalty}%
5725 \addvspace{2.25em \@plus\p@}%
5726 \begingroup
5727 \setlength\@tempdima{3em}%
5728 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5729 \parfillskip -\@pnumwidth
5730 {\leavevmode
5731 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5732 \nobreak
5733 \global\@nobreaktrue
5734 \everypar{\global\@nobreakfalse\everypar{}}%
5735 \endgroup
5736 \fi}
5737 \else
5738 \renewcommand*\l@part{%
5739 \ifnum \c@tocdepth >-2\relax
5740 \addpenalty{-\@highpenalty}%
5741 \addvspace{2.25em \@plus \p@}%
5742 \@regtocline{0}%
5743 \fi}
5744 \fi
5745 \if@oldtoc
5746 \renewcommand*\l@chapter[2]{%
5747 \addpenalty{-\@highpenalty}%
5748 \vskip 1.0em \@plus\p@
5749 \setlength\@tempdima{1.5em}%
5750 \begingroup
5751 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5752 \parfillskip -\@pnumwidth
5753 \leavevmode \bfseries
5754 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5755 \hskip -\if@RTL\rightskip\else\leftskip\fi
5756 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5757 \penalty\@highpenalty
5758 \endgroup}
5759 \else
5760 \renewcommand*\l@chapter{\@regtocline{0}}
5761 \fi
5762 \renewcommand*\left@footnoterule{%
5763 \kern-3\p@
5764 \kern.5\baselineskip

```



```

5765 \hrule\@width\unitindent
5766 \kern.4\baselineskip
5767 }
5768 \renewcommand*\right@footnoterule{%
5769 \kern-3\p@
5770 \kern.5\baselineskip
5771 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5772 \kern.4\baselineskip}
5773 \renewenvironment{abstract}{%
5774 \titlepage
5775 \null\vfil
5776 \section*{\SectFont \abstractname}
5777 \noindent\ignorespaces}
5778 {\par\vfil\null\endtitlepage}
5779 \renewenvironment{thebibliography}[1]
5780 {\chapter*{\bibname}%
5781 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5782 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5783 \list{\@biblabel{\@arabic\c@enumiv}}%
5784 {\settowidth\labelwidth{\@biblabel{#1}}%
5785 \leftmargin\labelwidth
5786 \advance\leftmargin\labelsep
5787 \@openbib@code
5788 \usecounter{enumiv}%
5789 \let\p@enumiv\@empty
5790 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5791 \sloppy\clubpenalty4000\widowpenalty4000%
5792 \sfcode`.\@m}
5793 {\def\@noitemerr
5794 {\@latex@warning{Empty `thebibliography' environment}}}%
5795 \endlist}
5796 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5797 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5798 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5799 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5800 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5801 \renewcommand*\theequation{%
5802 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5803 \renewcommand*\thefigure{%
5804 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
5805 \renewcommand*\thetable{%
5806 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
5807 \renewcommand*\maketitle{%
5808 \begin{titlepage}%
5809 \let\footnotesize\small
5810 \let\right@footnoterule\relax
5811 \let\left@footnoterule\relax
5812 \let\textwidth\footnoterule\relax
5813 \let \footnote \thanks
5814 \long\def\@makefntext##1{\parindent\z@

```



```

5815         \def\labelitemi{\textendash}\@revlabeltrue
5816         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5817 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5818 \if@compatibility\setcounter{page}{0}\fi
5819 \null\vfil
5820 \vskip 60\p@
5821 \begin{center}%
5822   \TitleFont
5823   {\LARGE \def\\{\penalty -\@M}
5824     \if@allcaps
5825       \expandafter\uc@nothanks\@title\thanks\relax
5826     \else
5827       \@title
5828     \fi\par}%
5829 \vskip 3em%
5830 {\large
5831   \lineskip .75em \parindent\z@
5832   \begin{tabular}[t]{c}%
5833     \if@allcaps
5834       \expandafter\uc@authornothanks\@author\and\relax
5835     \else
5836       \@author
5837     \fi
5838   \end{tabular}\par}%
5839 \vskip 1.5em%
5840 {\large
5841   \if@allcaps
5842     \uppercase\expandafter{\@date}%
5843   \else
5844     \@date
5845   \fi\par}%
5846 \end{center}\par
5847 \@thanks
5848 \vfil\null
5849 \end{titlepage}%
5850 \setcounter{footnote}{0}%
5851 \global\let\thanks\relax
5852 \global\let\maketitle\relax
5853 \global\let\@thanks\@empty
5854 \global\let\@author\@empty
5855 \global\let\@title\@empty
5856 \global\let\@date\@empty
5857 \global\let\title\relax
5858 \global\let\author\relax
5859 \global\let\date\relax
5860 \global\let\and\relax
5861 }

```

7.33 `bookest-xetex-bidi.def`



```

5862 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeT
5863 \def\@makechapterhead#1{%
5864   \vspace*{20\p@}
5865   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
5866     \ifnum \c@secnumdepth >\m@ne
5867       \if@mainmatter
5868         {\colorA\huge\scshape \@chapapp\space \thechapter}
5869         \par\nobreak
5870         \vskip 10\p@
5871       \fi
5872     \fi
5873     \interlinepenalty\@M
5874     {\colorB\hrule}
5875     \vskip 15\p@
5876     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
5877       {\colorA\Huge \bfseries #1}\par\nobreak
5878     \if@RTL\end{flushleft}\else\end{flushright}\fi
5879     \vskip 5\p@
5880     {\colorB\hrule}
5881     \vskip 30\p@
5882   }}
5883 \def\@makeschapterhead#1{%
5884   \vspace*{20\p@}
5885   {\parindent \z@ \raggedright \normalfont
5886     {\colorB\hrule}
5887     \vskip 15\p@
5888     \begin{center}
5889       {\colorA\Huge \bfseries #1}\par\nobreak
5890     \end{center}
5891     \vskip 5\p@
5892     {\colorB\hrule}
5893     \vskip 30\p@
5894   }}

```

7.34 book-xetex-bidi.def

```

5895 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class for
5896 \renewenvironment{theindex}
5897   {\if@twocolumn
5898     \@restonecolfalse
5899   \else
5900     \@restonecoltrue
5901   \fi
5902   \columnseprule \z@
5903   \columnsep 35\p@
5904   \twocolumn[\@makeschapterhead{\indexname}]%
5905   \@mkboth{\MakeUppercase\indexname}%
5906     {\MakeUppercase\indexname}%
5907   \thispagestyle{plain}\parindent\z@
5908   \parskip\z@ \@plus .3\p@\relax

```



```

5909             \let\item\@idxitem}
5910             {\if@restonecol\onecolumn\else\clearpage\fi}
5911 \@ifclassloaded{bookest}{\{%
5912   \if@titlepage
5913   \renewcommand\maketitle{\begin{titlepage}%
5914     \let\footnotesize\small
5915     \let\right@footnoterule\relax
5916     \let\left@footnoterule\relax
5917     \let\textwidth\footnoterule\relax
5918     \let \footnote \thanks
5919     \let \LTRfootnote \LTRthanks
5920     \let \RTLfootnote \RTLthanks
5921     \null\vfil
5922     \vskip 60\p@
5923     \begin{center}%
5924       {\LARGE \@title \par}%
5925       \vskip 3em%
5926       {\large
5927         \lineskip .75em%
5928         \begin{tabular}[t]{c}%
5929           \@author
5930           \end{tabular}\par}%
5931       \vskip 1.5em%
5932       {\large \@date \par}%           % Set date in \large size.
5933     \end{center}\par
5934     \@thanks
5935     \vfil\null
5936   \end{titlepage}%
5937   \setcounter{footnote}{0}%
5938   \global\let\thanks\relax
5939   \global\let\LTRthanks\relax
5940   \global\let\RTLthanks\relax
5941   \global\let\maketitle\relax
5942   \global\let\@thanks\@empty
5943   \global\let\@author\@empty
5944   \global\let\@date\@empty
5945   \global\let\@title\@empty
5946   \global\let\title\relax
5947   \global\let\author\relax
5948   \global\let\date\relax
5949   \global\let\and\relax
5950 }
5951 \else
5952 \renewcommand\maketitle{\par
5953   \begingroup
5954     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
5955     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
5956     \long\def\@makefntext##1{\parindent 1em\noindent
5957       \hb@xt@1.8em{%
5958         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%

```



```

5959 \if@twocolumn
5960 \ifnum \col@number=\@ne
5961 \maketitle
5962 \else
5963 \twocolumn[\maketitle]%
5964 \fi
5965 \else
5966 \newpage
5967 \global\@topnum\z@ % Prevents figures from going at top of page.
5968 \maketitle
5969 \fi
5970 \thispagestyle{plain}\@thanks
5971 \endgroup
5972 \setcounter{footnote}{0}%
5973 \global\let\thanks\relax
5974 \global\let\LTRthanks\relax
5975 \global\let\RTLthanks\relax
5976 \global\let\maketitle\relax
5977 \global\let\@maketitle\relax
5978 \global\let\@thanks\@empty
5979 \global\let\@author\@empty
5980 \global\let\@date\@empty
5981 \global\let\@title\@empty
5982 \global\let\title\relax
5983 \global\let\author\relax
5984 \global\let\date\relax
5985 \global\let\and\relax
5986 }
5987 \def\@maketitle{%
5988 \newpage
5989 \null
5990 \vskip 2em%
5991 \begin{center}%
5992 \let \footnote \thanks
5993 \let \LTRfootnote \LTRthanks
5994 \let \RTLfootnote \RTLthanks
5995 {\LARGE \@title \par}%
5996 \vskip 1.5em%
5997 {\large
5998 \lineskip .5em%
5999 \begin{tabular}[t]{c}%
6000 \@author
6001 \end{tabular}\par}%
6002 \vskip 1em%
6003 {\large \@date}%
6004 \end{center}%
6005 \par
6006 \vskip 1.5em}
6007 \fi}
6008 \renewcommand*\l@part[2]{%

```



```

6009 \ifnum \c@tocdepth >-2\relax
6010 \addpenalty{-\@highpenalty}%
6011 \addvspace{2.25em \@plus\p@}%
6012 \setlength\@tempdima{3em}%
6013 \begingroup
6014 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6015 \parfillskip -\@pnumwidth
6016 {\leavevmode
6017 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6018 \nobreak
6019 \global\@nbreaktrue
6020 \everypar{\global\@nbreakfalse\everypar{}}%
6021 \endgroup
6022 \fi}
6023 \renewcommand*\l@chapter[2]{%
6024 \ifnum \c@tocdepth >\m@ne
6025 \addpenalty{-\@highpenalty}%
6026 \vskip 1.0em \@plus\p@
6027 \setlength\@tempdima{1.5em}%
6028 \begingroup
6029 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6030 \parfillskip -\@pnumwidth
6031 \leavevmode \bfseries
6032 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6033 \hskip -\if@RTL\rightskip\else\leftskip\fi
6034 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6035 \penalty\@highpenalty
6036 \endgroup
6037 \fi}
6038 \renewcommand\left@footnoterule{%
6039 \kern-3\p@
6040 \hrule\@width.4\columnwidth
6041 \kern2.6\p@}
6042 \renewcommand\right@footnoterule{%
6043 \kern-3\p@
6044 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6045 \kern2.6\p@}
6046 \renewcommand\theequation
6047 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6048 \renewcommand \thefigure
6049 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6050 \renewcommand \thetable
6051 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6052 \renewcommand \thechapter {\@arabic\c@chapter}
6053 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6054 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6055 \renewcommand \thesubsubsection {\thesubsubsection \@SepMark\@arabic\c@subsubsection}
6056 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
6057 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
6058 \def\@makechapterhead#1{%

```



```

6059 \vspace*{50\p@}%
6060 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6061 \ifnum \c@secnumdepth >\m@ne
6062 \if@mainmatter
6063 \huge\bfseries \@chapapp\space \thechapter
6064 \par\nobreak
6065 \vskip 20\p@
6066 \fi
6067 \fi
6068 \interlinepenalty\@M
6069 \Huge \bfseries #1\par\nobreak
6070 \vskip 40\p@
6071 }}
6072 \def\@makeschapterhead#1{%
6073 \vspace*{50\p@}%
6074 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6075 \normalfont
6076 \interlinepenalty\@M
6077 \Huge \bfseries #1\par\nobreak
6078 \vskip 40\p@
6079 }}
6080 \renewcommand\backmatter{%
6081 \if@openright
6082 \cleardoublepage
6083 \else
6084 \clearpage
6085 \fi
6086 \@mainmatterfalse}
6087 \renewenvironment{thebibliography}[1]
6088 {\chapter*{\bibname}%
6089 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6090 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6091 \list{\@biblabel{\@arabic\c@enumiv}}%
6092 {\settowidth\labelwidth{\@biblabel{#1}}%
6093 \leftmargin\labelwidth
6094 \advance\leftmargin\labelsep
6095 \@openbib@code
6096 \usecounter{enumiv}%
6097 \let\p@enumiv\@empty
6098 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6099 \sloppy
6100 \clubpenalty4000
6101 \@clubpenalty \clubpenalty
6102 \widowpenalty4000%
6103 \sfcode`\.\@m}
6104 {\def\@noitemerr
6105 {\@latex@warning{Empty `thebibliography' environment}}%
6106 \endlist}

```



7.35 breqn-xetex-bidi.def

```

6107 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for XeTeX
6108 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6109 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6110 \if@noskipsec \leavevmode \fi
6111 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6112 \if\eq@group\else\eq@prelim\fi
6113 \setkeys{breqn}{#1}%
6114 \the\eqstyle
6115 \eq@setnumber
6116 \begingroup
6117 \eq@setup@a
6118 \eq@startup
6119 }
6120 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6121 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6122 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6123 \global\let\GRP@label\@empty
6124 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6125 \global\grp@linewidth\z@\global\grp@wdNum\z@
6126 \global\let\grp@eqs@numbered\@False
6127 \global\let\grp@aligned\@True
6128 \global\let\grp@shiftnumber\@False
6129 \eq@prelim
6130 \setkeys{breqn}{#1}%
6131 \if\grp@hasNumber \grp@setnumber \fi
6132 }
6133 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6134 \let\display@setup\dseries@display@setup
6135 % Question: should this be the default for dseries???
6136 \global\eq@wdCond\z@
6137 \@dmath[layout={M},#1]%
6138 \mathsurround\z@\@math \penalty\@Mi
6139 \let\endmath\ends@math
6140 \def\premath{%
6141 \ifdim\lastskip<.3em \unskip
6142 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6143 }%
6144 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6145 \ignorespaces
6146 }
6147 \def\eqnumform#1{\if@Latin\else\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@Latin\else\endR\fi}
6148 \renewenvironment{dsuspend}{%
6149 \global\setbox\EQ@box\vbox\bgroup\if@Latin\else\@RTLtrue\fi \@parboxrestore
6150 \parshape 1 \displayindent \displaywidth\relax
6151 \hsize=\columnwidth \noindent\ignorespaces
6152 }{%
6153 \par\egroup
6154 \global\setbox\GRP@box\vbox{%

```



```

6155 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}}%
6156 \unvbox\GRP@box
6157 }%
6158 \global\GRP@queue\exp{\the\GRP@queue
6159 \elt{\let\eq@isIntertext\@True}}%
6160 }%
6161 }

```

7.36 cals-xetex-bidi.def

```

6162 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX e
6163 \renewenvironment{calstable}[1][c]{%
6164 \if@RTL\@RTLtabtrue\cals@activate@rtl\fi
6165 \if l#1%
6166 \if@RTLtab\leftskip\fill \rightskip\z@\else\leftskip\z@ \rightskip\fill\fi
6167 \else\if r#1%
6168 \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
6169 \else\if c#1%
6170 \leftskip\fill \rightskip\fill
6171 \fi\fi\fi
6172 \let\cals@thead@tokens=\relax
6173 \let\cals@tfoot@tokens=\relax
6174 \let\cals@tbreak@tokens=\relax
6175 \cals@tfoot@height=0pt \relax
6176 \let\cals@last@context=n%
6177 \let\cals@current@context=b%
6178 \parindent=0pt %
6179 \cals@setpadding{Ag}\cals@setcellprevdepth{A1}\cals@set@tohsize%
6180 %% Alignment inside is independent on center/flushright outside
6181 \parfillskip=0pt plus1fil\relax
6182 \let\cals@borderL=\relax
6183 \let\cals@borderR=\relax
6184 \let\cals@borderT=\relax
6185 \let\cals@borderB=\relax
6186 }{% End of the table
6187 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
6188
6189 \renewcommand\alignL{%
6190 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fill\else\cals@paddingL=\dimen0\
6191 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
6192
6193 \renewcommand\alignR{%
6194 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\
6195 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

7.37 caption-xetex-bidi.def

```

6196 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for X
6197 \let\@makecaption\caption@makecaption

```

7.38 caption3-xetex-bidi.def



```

6198 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6199 \renewcommand*\caption@par{%
6200 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

7.39 colortbl-xetex-bidi.def

```

6201 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6202 \def\CT@setup{%
6203 \@tempdimb\col@sep
6204 \@tempdimc\col@sep
6205 \def\CT@color{%
6206 \global\let\CT@do@color\CT@do@color
6207 \bidicolor}}
6208 \def\@classz{\@classx
6209 \@tempcnta \count@
6210 \prepnext@tok
6211 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6212 \@addtopreamble{\if@RTLtab\beginL\fi%
6213 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6214 \ifcase \@chnum
6215 \hskip\stretch{.5}\kern\z@
6216 \dollarbegin
6217 \insert@column
6218 \dollarend\hskip\stretch{.5}\or
6219 \dollarbegin \insert@column \dollarend \hfill \or
6220 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
6221 $\vcenter
6222 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6223 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6224 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6225 \fi
6226 \if@RTLtab\endR\fi\egroup\egroup
6227 \begingroup
6228 \CT@setup
6229 \CT@column@color
6230 \CT@row@color
6231 \CT@cell@color
6232 \CT@do@color
6233 \endgroup
6234 \@tempdima\ht\z@
6235 \advance\@tempdima\minrowclearance
6236 \vrule\@height\@tempdima\@width\z@
6237 \unhbox\z@\if@RTLtab\endL\fi}%
6238 \prepnext@tok}

```

7.40 color-xetex-bidi.def

```

6239 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX
6240 \long\def\color@b@x#1#2#3{%
6241 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6242 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%

```



```

6243 \dimen@ht\z@advance\dimen@fboxsep\ht\z@dimen@
6244 \dimen@dp\z@advance\dimen@fboxsep\dp\z@dimen@
6245 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6246 \box\z@}}\ifmode\else\if@RTL\endL\fi\fi}
6247 \def\normalcolor{\let\current@color\default@color\ifmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6248 \DeclareRobustCommand\color{%
6249 \ifmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}
6250 \def\@declaredcolor#1{%
6251 \@ifundefined{\string\color @#1}%
6252 {\c@lor@error{`#1'}}%
6253 {\expandafter\let\expandafter\current@color
6254 \csname\string\color @#1\endcsname
6255 \set@color}%
6256 \ifmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6257 \def\@undeclaredcolor[#1]#2{%
6258 \@ifundefined{color@#1}%
6259 {\c@lor@error{model `#1'}}%
6260 {\csname color@#1\endcsname\current@color{#2}%
6261 \set@color}%
6262 \ifmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6263 \DeclareRobustCommand\bidicolor{%
6264 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
6265 \def\@bidiundeclaredcolor[#1]#2{%
6266 \@ifundefined{color@#1}%
6267 {\c@lor@error{model `#1'}}%
6268 {\csname color@#1\endcsname\current@color{#2}%
6269 \set@color}%
6270 \ignorespaces}
6271 \def\@bidideclaredcolor#1{%
6272 \@ifundefined{\string\color @#1}%
6273 {\c@lor@error{`#1'}}%
6274 {\expandafter\let\expandafter\current@color
6275 \csname\string\color @#1\endcsname
6276 \set@color}%
6277 \ignorespaces}
6278 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6279 \def\color@fbox#1#2#3{%
6280 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6281 \def\color@setgroup{\begingroup\ifmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifmode

```

7.41 combine-xetex-bidi.def

```

6282 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeT
6283 \renewcommand{\c@ll@chapsecii}[2]{%
6284 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6285 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6286 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6287 }
6288 \renewcommand{\c@ll@chapseci}{%
6289 \setlength\@tempdima{0em}%

```



```

6290 \begingroup
6291 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6292 \parfillskip -\@pnumwidth
6293 \leavevmode
6294 }
6295 \renewenvironment{tocindent}[1]{%
6296 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{}

```

7.42 crop-xetex-bidi.def

```

6297 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX e
6298 \renewcommand*\CROP@ulc{%
6299 \if@RTLmain%
6300 \begin{picture}(0,0)
6301 \unitlength\p@\thinlines
6302 \put(-40,0){\circle{10}}
6303 \put(-30,-5){\line(0,1){10}}
6304 \put(-35,0){\line(1,0){30}}
6305 \put(-10,30){\circle{10}}
6306 \put(-5,30){\line(1,0){10}}
6307 \put(0,35){\line(0,-1){30}}
6308 \end{picture}%
6309 \else%
6310 \begin{picture}(0,0)
6311 \unitlength\p@\thinlines
6312 \put(-30,0){\circle{10}}
6313 \put(-30,-5){\line(0,1){10}}
6314 \put(-35,0){\line(1,0){30}}
6315 \put(0,30){\circle{10}}
6316 \put(-5,30){\line(1,0){10}}
6317 \put(0,35){\line(0,-1){30}}
6318 \end{picture}%
6319 \fi%
6320 }
6321 \renewcommand*\CROP@urc{%
6322 \if@RTLmain%
6323 \begin{picture}(0,0)
6324 \unitlength\p@\thinlines
6325 \put(20,0){\circle{10}}
6326 \put(30,-5){\line(0,1){10}}
6327 \put(35,0){\line(-1,0){30}}
6328 \put(-10,30){\circle{10}}
6329 \put(-5,30){\line(1,0){10}}
6330 \put(0,35){\line(0,-1){30}}
6331 \end{picture}%
6332 \else%
6333 \begin{picture}(0,0)
6334 \unitlength\p@\thinlines
6335 \put(30,0){\circle{10}}
6336 \put(30,-5){\line(0,1){10}}

```



```

6337         \put(35,0){\line(-1,0){30}}
6338         \put(0,30){\circle{10}}
6339         \put(-5,30){\line(1,0){10}}
6340         \put(0,35){\line(0,-1){30}}
6341     \end{picture}%
6342 \fi%
6343 }
6344 \renewcommand*\CROP@llc{%
6345     \if@RTLmain%
6346         \begin{picture}(0,0)
6347             \unitlength\p@\thinlines
6348             \put(-40,0){\circle{10}}
6349             \put(-30,-5){\line(0,1){10}}
6350             \put(-35,0){\line(1,0){30}}
6351             \put(-10,-30){\circle{10}}
6352             \put(-5,-30){\line(1,0){10}}
6353             \put(0,-35){\line(0,1){30}}
6354         \end{picture}%
6355     \else%
6356         \begin{picture}(0,0)
6357             \unitlength\p@\thinlines
6358             \put(-30,0){\circle{10}}
6359             \put(-30,-5){\line(0,1){10}}
6360             \put(-35,0){\line(1,0){30}}
6361             \put(0,-30){\circle{10}}
6362             \put(-5,-30){\line(1,0){10}}
6363             \put(0,-35){\line(0,1){30}}
6364         \end{picture}%
6365     \fi%
6366 }
6367 \renewcommand*\CROP@lrc{%
6368     \if@RTLmain%
6369         \begin{picture}(0,0)
6370             \unitlength\p@\thinlines
6371             \put(20,0){\circle{10}}
6372             \put(30,-5){\line(0,1){10}}
6373             \put(35,0){\line(-1,0){30}}
6374             \put(-10,-30){\circle{10}}
6375             \put(-5,-30){\line(1,0){10}}
6376             \put(0,-35){\line(0,1){30}}
6377         \end{picture}%
6378     \else%
6379         \begin{picture}(0,0)
6380             \unitlength\p@\thinlines
6381             \put(30,0){\circle{10}}
6382             \put(30,-5){\line(0,1){10}}
6383             \put(35,0){\line(-1,0){30}}
6384             \put(0,-30){\circle{10}}
6385             \put(-5,-30){\line(1,0){10}}
6386             \put(0,-35){\line(0,1){30}}

```



```

6387 \end{picture}%
6388 \fi%
6389 }
6390 \@ifpackagewith{crop}{cam}{%
6391 \CROP@execopt{cam}%
6392 }{}

```

7.43 cutwin-xetex-bidi.def

```

6393 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeT
6394 \renewcommand*{\c@twcompctr}[2]{%
6395 \def\c@twfirst{1}
6396 \loop\advance\c@twwinlines\m@ne
6397 \setbox\c@twslicea=\vsplit#1 to\baselineskip
6398 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6399 \c@twprune{\c@twslicea}{\c@twlftside}%
6400 \c@twprune{\c@twsliceb}{\c@twrtside}%
6401 \ifnum\c@twfirst=\@ne
6402 \setbox#2=\vbox{\unvbox#2\hbox
6403 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twsl
6404 \else
6405 \setbox#2=\vbox{\unvbox#2\hbox
6406 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
6407 \fi
6408 \def\c@twfirst{2}
6409 \ifnum\c@twwinlines>\z@\repeat}
6410 \renewcommand*{\c@twcompodctr}[2]{%
6411 \def\c@twrounds{1}
6412 \def\c@twfirst{1}
6413 \@for\c@twlspec:=\c@twb\do{%
6414 \ifnum\c@twrounds=1
6415 \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6416 \c@twprune{\c@twslicea}{\c@twlspec}%
6417 \def\c@twrounds{2}
6418 \else
6419 \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6420 \c@twprune{\c@twsliceb}{\c@twlspec}%
6421 \ifnum\c@twfirst=1
6422 \setbox#2=\vbox{\unvbox#2\hbox
6423 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box
6424 \def\c@twfirst{2}
6425 \else
6426 \setbox#2=\vbox{\unvbox#2\hbox
6427 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
6428 \fi
6429 \def\c@twrounds{1}
6430 \fi}}

```

7.44 cuted-xetex-bidi.def

```

6431 \ProvidesFile{cuted-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for cuted package for XeTeX

```



```

6432 \def\RTL@outputdblcol{%
6433 \if@firstcolumn \global\@firstcolumnfalse
6434 \global\setbox\@leftcolumn \box\@outputbox
6435 \else
6436 \global\@firstcolumntrue
6437 \setbox\@outputbox \vbox {\hbox to\textwidth {%
6438 \hskip \columnwidth
6439 \hfil \vrule width\columnseprule \hfil
6440 \hbox to\columnwidth {\box\@leftcolumn \hss}%
6441 \hskip -\textwidth
6442 \hbox to\columnwidth{\box\@outputbox \hss}%
6443 \hskip \columnsep
6444 \hskip \columnwidth }}%
6445 \ifvoid\hold@viper
6446 \else
6447 \setbox\@outputbox \vbox to\textheight{%
6448 \box\hold@viper
6449 \box\@outputbox
6450 \vss
6451 }%
6452 \fi
6453 \@combinedblfloats \@outputpage
6454 \begingroup \@dblfloatplacement \@startdblcolumn
6455 \@whiles\if@fcolmade \fi
6456 {\@outputpage \@startdblcolumn }%
6457 \ifvoid\@viper
6458 \else
6459 \global\setbox\@viper\vbox{%
6460 \vskip-\stripsep
6461 \unvbox\@viper
6462 }%
6463 \@viperoutput
6464 \fi
6465 \endgroup
6466 \fi}
6467 \def\LTR@outputdblcol{%
6468 \if@firstcolumn
6469 \global \@firstcolumnfalse
6470 \global \setbox\@leftcolumn \box\@outputbox
6471 \else
6472 \global\@firstcolumntrue
6473 \setbox\@outputbox \vbox {%
6474 \hb@xt@\textwidth {%
6475 \hb@xt@\columnwidth {%
6476 \box\@leftcolumn \hss}%
6477 \hfil
6478 \vrule \@width\columnseprule
6479 \hfil
6480 \hb@xt@\columnwidth {%
6481 \box\@outputbox \hss}%

```




```

6482                                     }%
6483                                     }%
6484 \ifvoid\hold@viper
6485 \else
6486   \setbox\@outputbox \vbox to\textheight{%
6487                                     \box\hold@viper
6488                                     \box\@outputbox
6489                                     \vss
6490                                     }%
6491 \fi
6492 \@combinedblfloats
6493 \@outputpage
6494 \beginngroup
6495   \@dblfloatplacement
6496   \@startdblcolumn
6497   \@whilesw\if@fcolmade \fi
6498   {\@outputpage
6499     \@startdblcolumn}%
6500 \ifvoid\@viper
6501 \else
6502   \global\setbox\@viper\vbox{%
6503                                     \vskip-\stripsep
6504                                     \unvbox\@viper
6505                                     }%
6506   \@viperoutput
6507   \fi
6508 \endgroup
6509 \fi
6510 }
6511 \def \@addviper {%
6512 \if@firstcolumn
6513   \@insertfalse
6514   \@reqcolroom .5\@pageht
6515   \ht@viper\@reqcolroom
6516   \advance \@reqcolroom \ht@viper
6517   \advance \@reqcolroom \stripsep
6518   \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
6519 %%
6520   \@tempdimb \ht@viper
6521   \loop
6522     \setbox\v@aaa\copy\@holdpg
6523     \setbox\v@ccc\vbox to\@tempdimb{%
6524                                     \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
6525     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6526     \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6527   \loop
6528     \setbox\v@aaa\copy\@holdpg
6529     \setbox\v@ccc\vbox to\@tempdimb{%
6530                                     \vsplit\v@aaa to\@tempdimb\vss}%
6531   \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%

```



```

6532 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
6533 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6534 \setbox\v@ccc\vbox to\@tempdimb{%
6535 \vsplit\@holdpg to\@tempdimb\vss}%
6536 %%
6537 \setbox\@tempboxa \vbox {%
6538 \hb@xt@\textwidth {%
6539 \if@RTLmain%
6540 \hskip \columnwidth
6541 \hfil \vrule width\columnseprule \hfil
6542 \hb@xt@\columnwidth {%
6543 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6544 \hskip -\textwidth
6545 \hb@xt@\columnwidth {%
6546 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6547 \hskip \columnsep
6548 \hskip \columnwidth
6549 \else%
6550 \hb@xt@\columnwidth {%
6551 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6552 \hfil
6553 \vrule \@width\columnseprule
6554 \hfil
6555 \hb@xt@\columnwidth {%
6556 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6557 \fi}%
6558 }%
6559 \ifvoid\hold@viper
6560 \global\setbox\hold@viper \vbox {%
6561 \unvbox\@tempboxa
6562 \penalty\interlinepenalty
6563 \vskip\stripsep
6564 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6565 \outputpenalty \z@
6566 }%
6567 \else
6568 \global\setbox\hold@viper \vbox {%
6569 \unvbox\hold@viper
6570 \unvbox\@tempboxa
6571 \penalty\interlinepenalty
6572 \vskip\stripsep
6573 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6574 \outputpenalty \z@
6575 }%
6576 \fi
6577 \ifdim \@colroom>\@reqcolroom
6578 \global\setbox\hold@viper \vbox {%
6579 \unvbox\hold@viper
6580 \box\@viper
6581 \penalty\interlinepenalty

```



```

6582         \vskip\stripsep
6583         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6584         \outputpenalty \z@
6585         }%
6586     \@inserttrue
6587     \advance\@tempdima by-\ht\hold@viper
6588     \global \advance \@colht \@tempdima
6589     \ifdim \@colht<2.5\baselineskip
6590     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6591         too tall on page \thepage (1 stulpelis)}%
6592         \@emptycol
6593         \if@firstcolumn
6594         \else
6595             \@emptycol
6596         \fi
6597         \global\@lastvipertrue
6598     \else
6599         \global \vsize \@colht
6600         \global \@colroom \@colht
6601         \check@floats
6602         \ifdim\@tempdima>\z@
6603             \global\advance\@colroom by-\@tempdima
6604         \fi
6605         \ifdim\@colroom<\z@
6606             \global\@colroom 1pt
6607             \ifdim\@tempdima>\@colht
6608                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6609                     netelpa lape \thepage (1 stulpelis)}%
6610             \fi
6611             \@emptycol
6612             \if@firstcolumn
6613             \else
6614                 \@emptycol
6615             \fi
6616             \global\@lastvipertrue
6617         \fi
6618     \fi
6619 \fi
6620 \else
6621     \@insertfalse
6622     \@reqcolroom\@colht
6623     \advance\@reqcolroom \@pageht
6624     \ht@viper.5\@reqcolroom
6625     \@reqcolroom\ht@viper
6626     \advance \@reqcolroom \ht@viper
6627     \advance \@reqcolroom \stripsep
6628     \if@flushend@auto@baselineskip
6629         \setbox\@tempboxa\ vbox{\unvcopy\@leftcolumn
6630             \global\lastskip@d\lastskip
6631             \global\lastskip@b\lastskip

```



```

6632      \loop
6633      \global\lastskip@a\lastskip@b
6634      \unskip\unpenalty
6635      \global\lastskip@b\lastskip
6636      \global\advance\lastskip@d by\lastskip
6637      \ifdim\lastskip@b=-\lastskip@a
6638      \global\advance\lastskip@d by-\lastskip
6639      \else
6640      \repeat
6641      \ifdim\lastskip@b=-\lastskip@a
6642      \ifdim\lastskip@b=\z@
6643      \setbox\lastbox@a\lastbox
6644      \global\advance\lastskip@d by\ht\lastbox@a
6645      \global\advance\lastskip@d by\lastskip
6646      \unskip\unpenalty
6647      \setbox\lastbox@a\lastbox
6648      \global\advance\lastskip@d by\dp\lastbox@a
6649      \else
6650      \global\lastskip@d\lastskip
6651      \global\advance\lastskip@d by\topskip
6652      \fi
6653      \fi
6654      \global\advance\lastskip@d by-\topskip
6655      }%
6656      \ifdim\ht\@holdpg>\@colht
6657      \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
6658      \par\eject
6659      \vbox to \@colht{\unvbox\@holdpg\unskip}}%
6660      }%
6661      \else
6662      \global\setbox\@holdpg\vbox{%
6663      \unvbox\@leftcolumn\unskip\unpenalty
6664      \vskip\lastskip@d
6665      \the\At@ViperColsBreak
6666      \unvbox\@holdpg
6667      \unskip
6668      }%
6669      \fi
6670      \else
6671      \global\setbox\@holdpg\vbox{%
6672      \unvbox\@leftcolumn
6673      \setbox\@tempboxa\lastbox
6674      \on@stripcols@break
6675      \the\At@ViperColsBreak
6676      \unvbox\@holdpg
6677      }%
6678      \fi
6679      \global\At@ViperColsBreak{}%
6680      \ht@viper .5\ht\@holdpg
6681      \ifdim \ht@viper>\@colht

```



```

6682      \ht@viper \colht
6683    \fi
6684    \ifvoid\hold@viper\@tempdima=z@\else\@tempdima\ht\hold@viper\fi
6685  %%
6686    \@tempdimb \ht@viper
6687  \loop
6688    \setbox\v@aaa\copy\@holdpg
6689    \setbox\v@ccc\vbox to\@tempdimb{%
6690      \vsplit\v@aaa to\@tempdimb
6691      \vss
6692      \vsplit\v@aaa to\@tempdimb
6693    }%
6694    \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6695    \ifvoid\v@aaa
6696    \else
6697      \advance\@tempdimb 1\p@
6698    \repeat
6699    \loop
6700      \setbox\v@aaa\copy\@holdpg
6701      \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
6702      \wlog{(2)Left:\the\ht\v@ccc\space
6703        Right:\the\ht\v@aaa\space
6704        Output:\the\@tempdimb
6705      }%
6706      \ifdim\ht\v@ccc<\ht\v@aaa
6707        \@tempdimb \the\ht\v@aaa
6708      \repeat
6709      \wlog{- LAST -^^JLeft:\the\ht\v@ccc
6710        ^^JRight:\the\ht\v@aaa
6711        ^^JOutput:\the\@tempdimb
6712      }%
6713      \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
6714      \setbox\@tempboxa\vbox{%
6715        \hb@xt@\textwidth {%
6716          \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6717          \hfil
6718          \vrule \columnwidth\columnseprule
6719          \hfil
6720          \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6721        }%
6722      }%
6723    \ifvoid\hold@viper
6724      \global\setbox\hold@viper \vbox {%
6725        \unvbox\@tempboxa
6726        \penalty\interlinepenalty
6727        \vskip\stripsep
6728        \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6729        \outputpenalty \z@
6730      }%
6731    \else

```



```

6732     \global\setbox\hold@viper \vbox {%
6733         \unvbox\hold@viper
6734         \unvbox\@tempboxa
6735         \penalty\interlinepenalty
6736         \vskip\stripsep
6737         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6738         \outputpenalty \z@
6739         }%
6740 \fi
6741 \ifdim \@colht>\@reqcolroom
6742     \global\setbox\hold@viper \vbox {%
6743         \unvbox\hold@viper
6744         \box\@viper
6745         \penalty\interlinepenalty
6746         \vskip\stripsep
6747         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6748         \outputpenalty \z@
6749         }%
6750 \@inserttrue
6751 \global\@firstcolumntrue
6752 \advance\@tempdima by-\ht\hold@viper
6753 \global \advance \@colht \@tempdima
6754 \ifdim \@colht<2.5\baselineskip
6755 \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6756                             too tall on page \thepage (2 stulpelis)}}%
6757     \emptycol
6758     \if@firstcolumn
6759     \else
6760         \emptycol
6761     \fi
6762     \global\@lastvipertrue
6763 \else
6764     \global \vsize \@colht
6765     \global \@colroom \@colht
6766     \check@floats
6767     \ifdim\@tempdima>\z@
6768         \global\advance\@colroom by-\@tempdima
6769     \fi
6770     \ifdim\@colroom<\z@
6771         \global\@colroom 1pt
6772         \ifdim\@tempdima>\@colht
6773             \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6774                                     netelpa lape \thepage (2 stulpelis)}}%
6775         \fi
6776         \emptycol
6777         \if@firstcolumn
6778         \else
6779             \emptycol
6780         \fi
6781         \global\@lastvipertrue

```



```

6782         \fi
6783     \fi
6784 \fi
6785 \fi
6786 \if@insert
6787 \else
6788     \advance\@tempdima by-\ht\hold@viper
6789     \global \advance \colht \@tempdima
6790     \global\setbox\hold@viper \vbox {%
6791                                     \unvbox\hold@viper
6792                                     \csname viper@top@hook\endcsname
6793                                     \vsplit\@viper to \colht
6794                                     \vss
6795                                     }%
6796     \vbox{}%
6797     \global\@firstcolumnfalse
6798     \newpage
6799 \fi
6800 }

```

7.45 cvthemebidicasual.sty

```

6801 \NeedsTeXFormat{LaTeX2e}
6802 \ProvidesPackage{cvthemebidicasual}
6803 \DeclareOption{blue}{}
6804 \newif\if@colourorange\@colourorangefalse
6805 \DeclareOption{orange}{\@colourorange true}
6806 \newif\if@colourgreen\@colourgreenfalse
6807 \DeclareOption{green}{\@colourgreent true}
6808 \newif\if@colourred\@colourredfalse
6809 \DeclareOption{red}{\@colourred true}
6810 \newif\if@colourgrey\@colourgreyfalse
6811 \DeclareOption{grey}{\@colourgrey true}
6812 \DeclareOption*{
6813     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
6814 \ExecuteOptions{colour}
6815 \ProcessOptions\relax
6816 \renewcommand*{\listitemsymbol}{\textbullet}
6817 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
6818 \familynamecolour{808080}
6819 \firstnamecolour{A9A9A9}
6820 \quotecolour{696969}
6821 \addresscolour{696969}
6822 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
6823 \sectiontitlecolour{1E90FF}
6824 \subsectioncolour{4682B4}
6825 \definecolor{rulecolour}{gray}{0.6}
6826 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
6827 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
6828 \if@colourorange

```



```

6829 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6830 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6831 \sectiontitlecolour{FF8C00}
6832 \subsectioncolour{FF8C00}
6833 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
6834 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
6835 \if@colourgreen
6836 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6837 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6838 \sectiontitlecolour{008000}
6839 \subsectioncolour{008000}
6840 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
6841 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
6842 \if@colourred
6843 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6844 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6845 \sectiontitlecolour{FF0000}
6846 \subsectioncolour{FF0000}
6847 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
6848 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
6849 \if@colourgrey
6850 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6851 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6852 \sectiontitlecolour{808080}
6853 \subsectioncolour{808080}
6854 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
6855 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
6856 \renewcommand*{\ttdefault}{pcr}
6857 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
6858 \renewcommand*{\familynamefont}{\firstnamefont}
6859 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6860 \renewcommand*{\quote font}{\large\slshape}
6861 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6862 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6863 \renewcommand*{\maketitle}{%
6864   {%
6865     \ifthenelse{\isundefined{\@photo}}{%
6866       {%
6867         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
6868         \hfill%
6869         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
6870         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
6871       \ifthenelse{\isundefined{\@quote}}{%
6872         {%
6873           {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.
6874           }%
6875 \newif\if@firstfooterelement\@firstfooterelementtrue
6876 \providecommand*{\footersymbol}{%
6877 \renewcommand*{\footersymbol}{%
6878 \if@firstfooterelement%

```




```

6879 \else%
6880 { ~\color{footersymbolcolor}\textbullet~~}\fi}
6881 \providecommand*\makefooter{}
6882 \renewcommand*\makefooter{%
6883 \fancypagestyle{plain}{%
6884 \fancyfoot[c]{%
6885 \parbox{0.8\textwidth}{%
6886 \centering%
6887 \addressfont\@addresscolour%
6888 \ifthenelse{\isundefined{\@address}}{}{%
6889 \addresssymbol~\@address\\%
6890 \@firstfooterelementfalse}%
6891 \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
6892 \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
6893 \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
6894 \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
6895 \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
6896 }%
6897 \pagestyle{plain}}
6898 \AtBeginDocument{\makefooter}

```

7.46 cvthemebidiclassic.sty

```

6899 \NeedsTeXFormat{LaTeX2e}
6900 \ProvidesPackage{cvthemebidiclassic}
6901 \DeclareOption{blue}{}
6902 \newif\if@colourorange\@colourorangefalse
6903 \DeclareOption{orange}{\@colourorange>true}
6904 \newif\if@colourgreen\@colourgreenfalse
6905 \DeclareOption{green}{\@colourgreentruer}
6906 \newif\if@colourred\@colourredfalse
6907 \DeclareOption{red}{\@colourredtrue}
6908 \newif\if@colourgrey\@colourgreyscale
6909 \DeclareOption{grey}{\@colourgreytrue}
6910 \DeclareOption*{
6911 \PackageWarning{cvthemebidiclassic}{Unknown option '\CurrentOption'}}
6912 \ExecuteOptions{colour}
6913 \ProcessOptions\relax
6914 \renewcommand*\listitemsymbol{\textbullet}
6915 \firstnamecolour{}
6916 \familynamecolour{}
6917 \titlecolour{808080}
6918 \quotecolour{696969}
6919 \addresscolour{696969}
6920 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
6921 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
6922 \sectiontitlecolour{1E90FF}
6923 \subsectioncolour{4682B4}
6924 \if@colourorange
6925 \addresscolour{FF8C00}

```



```

6926 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
6927 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
6928 \sectiontitlecolour{FF8C00}
6929 \subsectioncolour{FF8C00}\fi
6930 \if@colourgreen
6931 \addresscolour{008000}
6932 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6933 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6934 \sectiontitlecolour{008000}
6935 \subsectioncolour{008000}\fi
6936 \if@coloured
6937 \addresscolour{FF0000}
6938 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6939 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6940 \sectiontitlecolour{FF0000}
6941 \subsectioncolour{FF0000}\fi
6942 \if@colourgrey
6943 \addresscolour{808080}
6944 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6945 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6946 \sectiontitlecolour{808080}
6947 \subsectioncolour{808080}\fi
6948 \renewcommand*{\ttdefault}{pcr}
6949 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
6950 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
6951 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6952 \renewcommand*{\familynamefont}{\firstnamefont}
6953 \renewcommand*{\quotefont}{\large\slshape}
6954 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6955 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6956 \newlength{\maketitlenamemaxwidth}
6957 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
6958 \newlength{\maketitlenamewidth}
6959 \settowidth{\maketitlenamewidth}{\firstnamesstyle{\@firstname~}\familynamesstyle{\@familyname}}
6960 \newlength{\maketitlepicturewidth}
6961 \ifnum\maketitlenamemaxwidth<\maketitlenamewidth\setlength{\maketitlenamewidth}{\maketitlepicturewidth}
6962 \setlength{\maketitlepicturewidth}{\@photowidth}
6963 \newlength{\maketitledetailwidth}
6964 \renewcommand*{\recomputethemelengths}{%
6965 \setlength{\maketitledetailwidth}{\textwidth}%
6966 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
6967 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
6968 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
6969 \recomputethemelengths
6970 \newif\if@firstdetailselement\@firstdetailselementtrue
6971 \newcommand*{\maketitledetailsnewline}{%
6972 \if@firstdetailselement%
6973 \@firstdetailselementfalse%
6974 \else%

```



```

6976    \[.2em]\fi}
6977 \renewcommand*{\maketitle}{%
6978   % name and title
6979   \begin{minipage}[b]{\maketitlewidth}%
6980     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
6981     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}%
6982   \end{minipage}%
6983   % optional data
6984   \begin{minipage}[b]{\maketitledetailswidth}%
6985     \bidi@raggedleft\addressfont\@addresscolour%
6986     \ifthenelse{\isundefined{\@address}}{\}%
6987     \maketitledetailsnewline%
6988     \addresssymbol~\@address%
6989     \ifthenelse{\isundefined{\@mobile}}{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
6990     \ifthenelse{\isundefined{\@phone}}{\}\maketitledetailsnewline\phonesymbol~\@phone}%
6991     \ifthenelse{\isundefined{\@fax}}{\}\maketitledetailsnewline\faxsymbol~\@fax}%
6992     \ifthenelse{\isundefined{\@email}}{\}\maketitledetailsnewline\emailsymbol~\emailink{\@email}%
6993     \ifthenelse{\isundefined{\@extrainfo}}{\}\maketitledetailsnewline\@extrainfo}%
6994   \end{minipage}%
6995   % optional photo
6996   \ifthenelse{\isundefined{\@photo}}{\}%
6997   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlephoto]{\@photo}}}%
6998   % optional quote
6999   \ifthenelse{\isundefined{\@quote}}{\}%
7000   {\%
7001     {\%
7002       {\centering\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5ex]\fi}
7003   }

```

7.47 dblfnote-xetex-bidi.def

```

7004 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for xetex]
7005 \let\autofooterule\relax
7006 \let\rightfootnoterule\relax
7007 \let\leftfootnoterule\relax
7008 \let\textwidthfootnoterule\relax
7009 \let\LRfootnoterule\relax
7010 \def\footnoterule{\kern-3\p@
7011   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7012 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}
7013 \let\@footnotetext\dfn@footnotetext
7014 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7015   \let\insert\dfn@gobble
7016   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7017   \def\@makefnmark{\smash{\dfn@makefnmark}}
7018   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7019   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7020   \ifdim\dfn@dima>\z@else
7021     \dfn@dima1sp\relax
7022   \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi

```



```

7023 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7024 \ifvoid\dfn@ins\else
7025 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7026 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7027 \setbox\dfn@boxa\copy\dfn@ins
7028 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7029 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7030 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7031 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7032 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7033 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7034 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7035 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
7036 \let\insert\dfn@gobble
7037 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7038 \def\@makefnmark{\smash{\dfn@makefnmark}}
7039 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7040 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7041 \ifdim\dfn@dima>z@\else
7042 \dfn@dima\sp\relax
7043 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7044 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7045 \ifvoid\dfn@ins\else
7046 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7047 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7048 \setbox\dfn@boxa\copy\dfn@ins
7049 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7050 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7051 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7052 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7053 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7054 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7055 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7056 \def\dfn@RTLmakecol{\ifvoid\footins\else
7057 \dfn@dima\ht\footins
7058 \@tempcnta\z@ \dfn@countins
7059 \@tempdima\z@ \let\@elt\dfn@elt@getht
7060 \dfn@list\@nil
7061 \ifdim\@tempdima=\z@\else
7062 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7063 \global\setbox\dfn@ins\box\dfn@ins
7064 \@tempwattrue
7065 \ifdfn@trysingle
7066 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7067 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7068 \advance\@tempdima-\skip\footins
7069 \advance\@tempdima-\ht\dfn@boxa
7070 \ifdim\@tempdima<z@\else \@tempwafalse
7071 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7072 \footnoterule \unvbox\dfn@boxa}\fi\fi

```



```

7073 \if@tempswa
7074 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7075 \global\setbox\footins\vbox{\hbox{%
7076 \hskip \DFNcolumnwidth
7077 \hskip\DFNcolumnsep
7078 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7079 \unvbox\dfn@boxb\vss}\hss}
7080 \hskip -\textwidth
7081 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7082 \vbox to\@tempdima{
7083 \setbox\@tempboxa\vbox{\footnoterule}
7084 \ifdfn@ruleboth \unvbox\@tempboxa
7085 \else \@tempdima\ht\@tempboxa
7086 \advance\@tempdima\dp\@tempboxa
7087 \vskip\@tempdima
7088 \prevdepth\dp\@tempboxa \fi
7089 \unvbox\dfn@boxa\vss}\fi\hss}
7090 \hskip \DFNcolumnsep
7091 \hskip \DFNcolumnwidth}}\fi\fi
7092 \global\dfn@fnht\z@
7093 \ifx\dfn@list\@empty\else
7094 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7095 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7096 \let\@elt\relax
7097 \ifdim\dfn@dimb>\z@
7098 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7099 \insert\footins{\floatingpenalty\@MM
7100 \vbox to\dfn@dimb{}}\fi
7101 \ifdim\dfn@fnht>\@tempdima
7102 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7103 \global\dfn@fnht\@tempdima
7104 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7105 \xdef\dfn@afteroutput{\insert\footins{
7106 \floatingpenalty\@MM
7107 \vbox to\number\@tempdimb sp{}}}%
7108 \global\let\noexpand\dfn@afteroutput\relax}%
7109 \fi\fi
7110 \fi}%
7111 \let\footnoterule\relax \dfn@latex@makecol
7112 \let\footnoterule\dfn@footnoterule}
7113 \def\dfn@LTRmakecol{\ifvoid\footins\else
7114 \dfn@dima\ht\footins
7115 \@tempcnta\z@ \dfn@countins
7116 \@tempdima\z@ \let\@elt\dfn@elt@getht
7117 \dfn@list\@nil
7118 \ifdim\@tempdima=\z@\else
7119 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7120 \global\setbox\dfn@ins\box\dfn@ins
7121 \@tempswatruer
7122 \ifdfn@trysingle

```



```

7123         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7124         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7125         \advance\@tempdima-\skip\footins
7126         \advance\@tempdima-\ht\dfn@boxa
7127         \ifdim\@tempdima<z@\else \@tempswafalse
7128             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7129                 \footnoterule \unvbox\dfn@boxa}\fi\fi
7130     \if@tempswa
7131     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7132     \global\setbox\footins\vbox{\hbox{%
7133         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7134             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7135         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7136             \vbox to\@tempdima{
7137                 \setbox\@tempboxa\vbox{\footnoterule}
7138                 \ifdfn@ruleboth \unvbox\@tempboxa
7139                 \else \@tempdima\ht\@tempboxa
7140                     \advance\@tempdima\dp\@tempboxa
7141                     \vskip\@tempdima
7142                     \prevdepth\dp\@tempboxa \fi
7143                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7144     \global\dfn@fnht\z@
7145     \ifx\dfn@list\@empty\else
7146         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7147         \dfn@list \global\advance\dfn@fnht\dfn@dimb
7148         \let\@elt\relax
7149         \ifdim\dfn@dimb>\z@
7150             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7151             \insert\footins{\floatingpenalty\@MM
7152                 \vbox to\dfn@dimb{}}\fi
7153         \ifdim\dfn@fnht>\@tempdima
7154             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7155             \global\dfn@fnht\@tempdima
7156             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7157             \xdef\dfn@afteroutput{\insert\footins{
7158                 \floatingpenalty\@MM
7159                 \vbox to\number\@tempdimb sp{}}}%
7160             \global\let\noexpand\dfn@afteroutput\relax}%
7161         \fi\fi
7162     \fi}%
7163     \let\footnoterule\relax \dfn@latex@makecol
7164     \let\footnoterule\dfn@footnoterule}
7165 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7166 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7167 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7168 \DFNalwaysdouble

```

7.48 draftwatermark-xetex-bidi.def

7169 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar



```

7170 \renewcommand\SetWatermarkText[1]{%
7171   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.49 eso-pic-xetex-bidi.def

```

7172 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for XeT
7173 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7174   \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
7175
7176 \ESO@isMEMOIR{%
7177   \renewcommand\AtTextUpperLeft[1]{%
7178     \begingroup
7179     \ifodd\c@page
7180       \@tempdima=\spinemargin
7181     \else
7182       \@tempdima=\paperwidth
7183       \advance\@tempdima-\textwidth
7184       \advance\@tempdima-\spinemargin
7185     \fi
7186     \@tempdimb=-\uppermargin
7187     \AtPageUpperLeft{%
7188       \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7189     }%
7190   \endgroup
7191 }
7192 }{%
7193   \renewcommand\AtTextUpperLeft[1]{%
7194     \begingroup
7195     \@tempdima=1in\relax
7196     \ifodd\c@page
7197       \advance\@tempdima\oddsidemargin
7198     \else
7199       \advance\@tempdima\evensidemargin
7200     \fi
7201     \@tempdimb=-1in\relax
7202     \advance\@tempdimb-\topmargin
7203     \advance\@tempdimb-\headheight
7204     \advance\@tempdimb-\headsep
7205     \AtPageUpperLeft{%
7206       \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7207     }%
7208   \endgroup
7209 }
7210 }

```

7.50 empheq-xetex-bidi.def

```

7211 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
7212 \MHInternalSyntaxOn
7213 \def\EQ_tag_plus_endmark:{%
7214   \iftagsleft@

```



```

7215 \gdef\maketag@@@##1{%
7216 \hfuzz\displaywidth
7217 \if@RTL\makebox[\widthof{##1}][r]{%
7218 \hbox to \displaywidth{\m@th\normalfont##1\hss
7219 \raisebox{-\dp\EQ_mathdisplay_box
7220 -\depthof{\EQ_outerbox:}}{
7221 {\PotEndMark{\hss}}}}
7222 \else\makebox[\widthof{##1}][l]{%
7223 \hbox to \displaywidth{\m@th\normalfont##1\hss
7224 \raisebox{-\dp\EQ_mathdisplay_box
7225 -\depthof{\EQ_outerbox:}}{
7226 {\PotEndMark{\hss}}}}\fi}%
7227 \else:
7228 \gdef\maketag@@@##1{%
7229 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
7230 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
7231 \MH_addtolength:dn \@tempdima
7232 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7233 \setlength{\@tempdimb}
7234 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
7235 +\depthof{\EQ_innerbox:}}}}
7236 \if_dim:w \@tempdima>\@tempdimb
7237 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7238 -\@tempdima+\g_EQ_bottomrow_depth_dim}
7239 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
7240 \def\EQ_next:{\raisebox{\@tempdima}}%
7241 \else:
7242 \def\EQ_next:{
7243 \raisebox{-\dp\EQ_mathdisplay_box
7244 -\depthof{\EQ_outerbox:}}}%
7245 \fi:\EQ_next:}}}%
7246 \fi:}
7247 \def\EQ_post_process:{%
7248 \EQ_initialize:
7249 \EQ_begin_equation:
7250 \MH_if_boolean:nT {outer_mult}{
7251 \setkeys{\MT_options_name:}{
7252 firstline-afterskip=0pt,
7253 lastline-preskip=0pt,
7254 multlined-width=0pt,
7255 }
7256 \ifodd \l_EQ_alignmentmode_int
7257 \setkeys{\MT_options_name:}{multlined-pos=b}
7258 \else:
7259 \setkeys{\MT_options_name:}{multlined-pos=t}
7260 \fi:
7261 \g@addto@macro\EQ_complete_mathdisplay:{
7262 \begin{MTmultlined}\relax}
7263 }
7264 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:

```




```

7265 \MH_if_boolean:nT {outer_mult}{
7266   \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7267 }
7268 \EQ_end_equation:
7269 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7270 \savecounters@
7271 \EQ_typeset_tags:
7272 \edef\l_EQ_equation_fint{\number\c@equation}
7273 \restorecounters@
7274 \Hy@linkcounter=\EQ_hyperref_link_fint
7275 \settowidth\l_EQ_totalwidth_dim{%
7276   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
7277 \MH_if_boolean:nTF {outer_mult}
7278 { \def\EQ_next:{_mult} }
7279 { \def\EQ_next:{} }
7280 \@nameuse{EQ_modify_linewidth_
7281   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7282 \EQ_typeset_display:
7283 \@nameuse{find_displaywidth_
7284   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7285 \MH_addtolength:dn
7286   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7287 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7288   $\EQ_left_side:
7289   \EQ_innerbox:%
7290     \if_case:w \l_EQ_alignmentmode_int\or:
7291       \makebox[\l_EQ_displaywidth_dim][c]
7292         {\usebox{\EQ_mathdisplay_box}}%
7293     \or:
7294       \makebox[\l_EQ_displaywidth_dim][c]
7295         {\usebox{\EQ_mathdisplay_box}}%
7296     \or:
7297       \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7298         \if_num:w \l_EQ_equationtype_int=5 \else:
7299           \if_num:w \l_EQ_equationtype_int=6 \else:
7300             \kern-\@mathmargin
7301             \fi:
7302             \fi:
7303             \usebox{\EQ_mathdisplay_box}}%
7304         \else\makebox[\l_EQ_displaywidth_dim][l]{%
7305           \if_num:w \l_EQ_equationtype_int=5 \else:
7306             \if_num:w \l_EQ_equationtype_int=6 \else:
7307               \kern-\@mathmargin
7308               \fi:
7309               \fi:
7310               \usebox{\EQ_mathdisplay_box}}\fi%
7311         \or:
7312           \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7313             \if_num:w \l_EQ_equationtype_int=5 \else:
7314               \if_num:w \l_EQ_equationtype_int=6 \else:

```



```

7315         \kern-\@mathmargin
7316         \fi:
7317         \fi:
7318         \usebox{\EQ_mathdisplay_box}}
7319     \else\makebox[\l_EQ_displaywidth_dim][l]{%
7320         \if_num:w \l_EQ_equationtype_int=5 \else:
7321         \if_num:w \l_EQ_equationtype_int=6 \else:
7322         \kern-\@mathmargin
7323         \fi:
7324         \fi:
7325         \usebox{\EQ_mathdisplay_box}}\fi%
7326     \fi:}%
7327     \EQ_right_side:$}%
7328     \begin{AmSequation*}
7329     \@nameuse{EQ_place_display_
7330         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7331     \if_dim:w \g_EQ_widesttag_dim>\z@
7332     \MH_set_boolean_T:n {show_manual_tags}
7333     \if_case:w \l_EQ_alignmentmode_int
7334     \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
7335     \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
7336     \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7337     \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
7338     \fi:
7339     \fi:
7340     \end{AmSequation*}
7341     \global\c@equation=\l_EQ_equation_fint\relax
7342 }
7343 \AtBeginDocument{%
7344     \ifpackageloaded{fancybox}{%
7345         \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7346         {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
7347         \renewcommand*{\shadowbox{%
7348             \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
7349                 \VerbBox\EQ_shadowbox:n}
7350             {\MH_set_boolean_F:n {shadowbox_star}
7351                 \VerbBox\EQ_shadowbox:n}}
7352         \def\EQ_shadowbox:n #1{%
7353             \sbox{\z@}{\fbox{#1}}%
7354             \MH_if_boolean:nTF {shadowbox_star}{
7355                 \MH_setlength:dn \@tempdima{\z@}%
7356             }{
7357                 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
7358             }
7359             \raisebox{\@tempdima}{%
7360                 \if@RTL\makebox[\z@][r]{%
7361                     \kern\shadowsize \textcolor{shadowcolor}{%
7362                         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7363                 }%
7364             \else\makebox[\z@][l]{%

```



```

7365         \kern\shadowsize \textcolor{shadowcolor}{%
7366         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7367     }\fi%
7368     \usebox\z@\textcolor{shadowcolor}{%
7369     \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
7370 }{}%
7371 }
7372 \MHInternalSyntaxOff

```

7.51 extarticle-xetex-bidi.def

```

7373 \ProvidesFile{extarticle-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for extarticle class]
7374 \renewcommand*\l@section[2]{%
7375   \ifnum \c@tocdepth >\z@
7376     \addpenalty\@secpenalty
7377     \addvspace{1.0em \@plus\p@}%
7378     \setlength\@tempdima{1.5em}%
7379     \begingroup
7380       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7381       \parfillskip -\@pnumwidth
7382       \leavevmode \bfseries
7383       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
7384       \hskip -\if@RTL\rightskip\else\leftskip\fi
7385       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7386     \endgroup
7387   \fi}
7388 \renewcommand*\l@part[2]{%
7389   \ifnum \c@tocdepth >-2\relax
7390     \addpenalty\@secpenalty
7391     \addvspace{2.25em \@plus\p@}%
7392     \begingroup
7393       \setlength\@tempdima{3em}%
7394       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7395       \parfillskip -\@pnumwidth
7396       {\leavevmode
7397         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7398       \nobreak
7399     \endgroup
7400   \fi}
7401 \def\@part[#1]#2{%
7402   \ifnum \c@secnumdepth >\m@ne
7403     \refstepcounter{part}%
7404     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7405   \else
7406     \addcontentsline{toc}{part}{#1}%
7407   \fi
7408   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7409     \interlinepenalty \@M
7410     \normalfont
7411     \ifnum \c@secnumdepth >\m@ne

```



```

7412      \Large\bfseries \partname~\thepart
7413      \par\nobreak
7414      \fi
7415      \huge \bfseries #2%
7416      \markboth{}{}\par}%
7417      \nobreak
7418      \vskip 3ex
7419      \@afterheading}
7420 \def\@spart#1{%
7421   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7422    \interlinepenalty \@M
7423    \normalfont
7424    \huge \bfseries #1\par}%
7425    \nobreak
7426    \vskip 3ex
7427    \@afterheading}
7428 \renewenvironment{thebibliography}[1]
7429   {\section*{\refname
7430    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7431    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7432    \list{\@biblabel{\@arabic{cenumiv}}}%
7433      {\settowidth\labelwidth{\@biblabel{#1}}%
7434       \leftmargin\labelwidth
7435       \advance\leftmargin\labelsep
7436       \@openbib@code
7437       \usecounter{enumiv}%
7438       \let\p@enumiv\@empty
7439       \renewcommand\theenumiv{\@arabic{cenumiv}}}%
7440    \sloppy\clubpenalty4000\widowpenalty4000%
7441    \sfcode`.\@m}
7442   {\def\@noitemerr
7443    {\@latex@warning{Empty `thebibliography' environment}}%
7444    \endlist}
7445 \renewcommand\left@footnoterule{%
7446   \kern-3\p@
7447   \hrule\@width.4\columnwidth
7448   \kern2.6\p@}
7449 \renewcommand\right@footnoterule{%
7450   \kern-3\p@
7451   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7452   \kern2.6\p@}
7453   \if@titlepage
7454   \renewcommand\maketitle{\begin{titlepage}%
7455   \let\footnotesize\small
7456   \let\right@footnoterule\relax
7457   \let\left@footnoterule\relax
7458   \let\textwidth\footnoterule\relax
7459   \let \footnote \thanks
7460   \null\vfil
7461   \vskip 60\p@

```



```

7462 \begin{center}%
7463 {\LARGE \@title \par}%
7464 \vskip 3em%
7465 {\large
7466 \lineskip .75em%
7467 \begin{tabular}[t]{c}%
7468 \@author
7469 \end{tabular}\par}%
7470 \vskip 1.5em%
7471 {\large \@date \par}% % Set date in \large size.
7472 \end{center}\par
7473 \@thanks
7474 \vfil\null
7475 \end{titlepage}%
7476 \setcounter{footnote}{0}%
7477 \global\let\thanks\relax
7478 \global\let\maketitle\relax
7479 \global\let\@thanks\@empty
7480 \global\let\@author\@empty
7481 \global\let\@date\@empty
7482 \global\let\@title\@empty
7483 \global\let\title\relax
7484 \global\let\author\relax
7485 \global\let\date\relax
7486 \global\let\and\relax
7487 }
7488 \else
7489 \renewcommand\maketitle{\par
7490 \begingroup
7491 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7492 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7493 \long\def\@makefntext##1{\parindent 1em\noindent
7494 \hb@xt@1.8em{%
7495 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7496 \if@twocolumn
7497 \ifnum \col@number=\@ne
7498 \@maketitle
7499 \else
7500 \twocolumn[\@maketitle]%
7501 \fi
7502 \else
7503 \newpage
7504 \global\@topnum\z@ % Prevents figures from going at top of page.
7505 \@maketitle
7506 \fi
7507 \thispagestyle{plain}\@thanks
7508 \endgroup
7509 \setcounter{footnote}{0}%
7510 \global\let\thanks\relax
7511 \global\let\maketitle\relax

```



```

7512 \global\let\@maketitle\relax
7513 \global\let\@thanks\@empty
7514 \global\let\@author\@empty
7515 \global\let\@date\@empty
7516 \global\let\@title\@empty
7517 \global\let\title\relax
7518 \global\let\author\relax
7519 \global\let\date\relax
7520 \global\let\and\relax
7521 }
7522 \def\@maketitle{%
7523 \newpage
7524 \null
7525 \vskip 2em%
7526 \begin{center}%
7527 \let \footnote \thanks
7528 {\LARGE \@title \par}%
7529 \vskip 1.5em%
7530 {\large
7531 \lineskip .5em%
7532 \begin{tabular}[t]{c}%
7533 \@author
7534 \end{tabular}\par}%
7535 \vskip 1em%
7536 {\large \@date}%
7537 \end{center}%
7538 \par
7539 \vskip 1.5em}
7540 \fi
7541 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7542 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7543 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7544 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

7.52 extbook-xetex-bidi.def

```

7545 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
7546 \if@titlepage
7547 \renewcommand\maketitle{\begin{titlepage}%
7548 \let\footnotesize\small
7549 \let\right@footnoterule\relax
7550 \let\left@footnoterule\relax
7551 \let\textwidth@footnoterule\relax
7552 \let \footnote \thanks
7553 \let \LTRfootnote \LTRthanks
7554 \let \RTLfootnote \RTLthanks
7555 \null\vfil
7556 \vskip 60\p@
7557 \begin{center}%
7558 {\LARGE \@title \par}%

```



```

7559 \vskip 3em%
7560 {\large
7561 \lineskip .75em%
7562 \begin{tabular}[t]{c}%
7563 \author
7564 \end{tabular}\par}%
7565 \vskip 1.5em%
7566 {\large \@date \par}% % Set date in \large size.
7567 \end{center}\par
7568 \@thanks
7569 \vfil\null
7570 \end{titlepage}%
7571 \setcounter{footnote}{0}%
7572 \global\let\thanks\relax
7573 \global\let\LTRthanks\relax
7574 \global\let\RTLthanks\relax
7575 \global\let\maketitle\relax
7576 \global\let\@thanks\@empty
7577 \global\let\@author\@empty
7578 \global\let\@date\@empty
7579 \global\let\@title\@empty
7580 \global\let\title\relax
7581 \global\let\author\relax
7582 \global\let\date\relax
7583 \global\let\and\relax
7584 }
7585 \else
7586 \renewcommand\maketitle{\par
7587 \begingroup
7588 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7589 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7590 \long\def\@makefntext##1{\parindent 1em\noindent
7591 \hb@xt@1.8em{%
7592 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7593 \if@twocolumn
7594 \ifnum \col@number=\@ne
7595 \maketitle
7596 \else
7597 \twocolumn[\maketitle]%
7598 \fi
7599 \else
7600 \newpage
7601 \global\@topnum\z@ % Prevents figures from going at top of page.
7602 \maketitle
7603 \fi
7604 \thispagestyle{plain}\@thanks
7605 \endgroup
7606 \setcounter{footnote}{0}%
7607 \global\let\thanks\relax
7608 \global\let\LTRthanks\relax

```



```

7609 \global\let\RTLthanks\relax
7610 \global\let\maketitle\relax
7611 \global\let\@maketitle\relax
7612 \global\let\@thanks\@empty
7613 \global\let\@author\@empty
7614 \global\let\@date\@empty
7615 \global\let\@title\@empty
7616 \global\let\title\relax
7617 \global\let\author\relax
7618 \global\let\date\relax
7619 \global\let\and\relax
7620 }
7621 \def\@maketitle{%
7622 \newpage
7623 \null
7624 \vskip 2em%
7625 \begin{center}%
7626 \let \footnote \thanks
7627 \let \LTRfootnote \LTRthanks
7628 \let \RTLfootnote \RTLthanks
7629 {\LARGE \@title \par}%
7630 \vskip 1.5em%
7631 {\large
7632 \lineskip .5em%
7633 \begin{tabular}[t]{c}%
7634 \@author
7635 \end{tabular}\par}%
7636 \vskip 1em%
7637 {\large \@date}%
7638 \end{center}%
7639 \par
7640 \vskip 1.5em}
7641 \fi
7642 \renewcommand*{\l@part[2]{%
7643 \ifnum \c@tocdepth >-2\relax
7644 \addpenalty{-\@highpenalty}%
7645 \addvspace{2.25em \@plus\p@}%
7646 \begingroup
7647 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7648 \parfillskip -\@pnumwidth
7649 {\leavevmode
7650 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7651 \nobreak
7652 \global\@nbreaktrue
7653 \everypar{\global\@nbreakfalse\everypar{}}%
7654 \endgroup
7655 \fi}
7656 \renewcommand\theequation
7657 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7658 \renewcommand \thefigure

```




```

7659      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7660 \renewcommand \thetable
7661      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7662 \renewcommand \thechapter {\@arabic\c@chapter}
7663 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7664 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7665 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
7666 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
7667 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
7668 \def\@makechapterhead#1{%
7669     \vspace*{50\p@}%
7670     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7671       \ifnum \c@secnumdepth >\m@ne
7672         \if@mainmatter
7673           \huge\bfseries \@chapapp\space \thechapter
7674           \par\nobreak
7675           \vskip 20\p@
7676         \fi
7677       \fi
7678       \interlinepenalty\@M
7679       \Huge \bfseries #1\par\nobreak
7680       \vskip 40\p@
7681     }}
7682
7683 \def\@makeschapterhead#1{%
7684     \vspace*{50\p@}%
7685     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7686       \normalfont
7687       \interlinepenalty\@M
7688       \Huge \bfseries #1\par\nobreak
7689       \vskip 40\p@
7690     }}
7691 \renewcommand\backmatter{%
7692     \if@openright
7693       \cleardoublepage
7694     \else
7695       \clearpage
7696     \fi
7697     \@mainmatterfalse}
7698 \renewenvironment{thebibliography}[1]
7699     {\chapter*{\bibname
7700       \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
7701     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7702     \list{\@biblabel{\@arabic\c@enumiv}}%
7703         {\settowidth\labelwidth{\@biblabel{#1}}%
7704         \leftmargin\labelwidth
7705         \advance\leftmargin\labelsep
7706         \@openbib@code
7707         \usecounter{enumiv}%
7708         \let\p@enumiv\@empty

```



```

7709         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7710         \sloppy
7711         \clubpenalty4000
7712         \@clubpenalty \clubpenalty
7713         \widowpenalty4000%
7714         \sfcode`.\@m}
7715     {\def\@noitemerr
7716      {\@latex@warning{Empty `thebibliography' environment}}}%
7717     \endlist}

```

7.53 extletter-xetex-bidi.def

```

7718 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class for
7719 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
7720 \thispagestyle{firstpage}%
7721 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
7722 \else % home address
7723 \thispagestyle{empty}%
7724 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
7725 \fromaddress \*[2\parskip]%
7726 \@date \end{tabular}\par}%
7727 \fi
7728 \vspace{2\parskip}%
7729 {\if@RTL\raggedleft\else\raggedright\fi \toname \[ \toaddress \par}%
7730 \vspace{2\parskip}%
7731 #1\par\nobreak}
7732 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
7733 \stopbreaks
7734 \noindent
7735 \ifx\@empty\fromaddress\else
7736 \hspace*{\longindentation}\fi
7737 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
7738 \ignorespaces #1\*[6\medskipamount]%
7739 \ifx\@empty\fromsig
7740 \fromname
7741 \else \fromsig \fi\strut}%
7742 \par}
7743 \renewcommand\left@footnoterule{%
7744 \kern-\p@
7745 \hrule \@width .4\columnwidth
7746 \kern .6\p@}
7747 \renewcommand\right@footnoterule{%
7748 \kern-\p@
7749 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7750 \kern .6\p@}

```

7.54 extrafootnotefeatures-xetex-bidi.def

```

7751 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2015/11/22 v0.6 bidi extra footnote features
7752 \let\autofootnoterule\relax
7753 \let\rightfootnoterule\relax

```



```

7754 \let\leftfootnoterule\relax
7755 \let\textwidthfootnoterule\relax
7756 \let\LRfootnoterule\relax
7757 \def\footnoterule{\kern-3\p@
7758   \hrule \width \columnwidth \kern 2.6\p@}
7759 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
7760 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
7761 \renewcommand{\@footnotetext}[1]{%
7762   \insert\footins{%
7763     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7764     \def\baselinestretch{\m@m@footnote@spacing}%
7765     \reset@font
7766     \foottextfont
7767     \@preamfntext
7768     \hsize\columnwidth
7769     \protected@edef\@currentlabel{%
7770       \csname p@footnote\endcsname\@thefnmark}%
7771     \color@begingroup
7772     \@makefntext{%
7773       \rule\z@{\footnotesep\ignorespaces{\foottextfont #1}%
7774       \@finalstrut\strutbox}%
7775     \color@endgroup}%
7776     \m@mmf@prepare}
7777 \renewcommand{\@RTLfootnotetext}[1]{%
7778   \insert\footins{%
7779     \@RTLtrue%
7780     \def\baselinestretch{\m@m@footnote@spacing}%
7781     \reset@font
7782     \RTLfoottextfont
7783     \@preamfntext
7784     \hsize\columnwidth
7785     \protected@edef\@currentlabel{%
7786       \csname p@footnote\endcsname\@thefnmark}%
7787     \color@begingroup
7788     \@makefntext{%
7789       \rule\z@{\footnotesep\ignorespaces{\RTLfoottextfont #1}%
7790       \@finalstrut\strutbox}%
7791     \color@endgroup}%
7792     \m@mmf@prepare}
7793 \renewcommand{\@LTRfootnotetext}[1]{%
7794   \insert\footins{%
7795     \@RTLfalse%
7796     \def\baselinestretch{\m@m@footnote@spacing}%
7797     \reset@font
7798     \LTRfoottextfont
7799     \@preamfntext
7800     \hsize\columnwidth
7801     \protected@edef\@currentlabel{%
7802       \csname p@footnote\endcsname\@thefnmark}%
7803     \color@begingroup

```



```

7804 \makefntext{%
7805 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
7806 \@finalstrut\strutbox}%
7807 \color@endgroup}%
7808 \m@mmf@prepare}
7809 \renewcommand{\@mpfootnotetext}[1]{%
7810 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7811 \unvbox\@mpfootins
7812 \def\baselinestretch{\m@m@footnote@spacing}%
7813 \foottextfont \hsize\columnwidth \@parboxrestore
7814 \protected@edef\@currentlabel{%
7815 \csname p@mpfootnote\endcsname\@thefnmark}%
7816 \color@begingroup
7817 \reset@font%
7818 \makefntext{%
7819 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
7820 \@finalstrut\strutbox}%
7821 \color@endgroup}}
7822 \renewcommand{\@mpLTRfootnotetext}[1]{%
7823 \global\setbox\@mpfootins\vbox{\@RTLfalse%
7824 \unvbox\@mpfootins
7825 \def\baselinestretch{\m@m@footnote@spacing}%
7826 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
7827 \protected@edef\@currentlabel{%
7828 \csname p@mpfootnote\endcsname\@thefnmark}%
7829 \color@begingroup
7830 \reset@font%
7831 \makefntext{%
7832 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
7833 \@finalstrut\strutbox}%
7834 \color@endgroup}}
7835 \renewcommand{\@mpRTLfootnotetext}[1]{%
7836 \global\setbox\@mpfootins\vbox{\@RTLtrue%
7837 \unvbox\@mpfootins
7838 \def\baselinestretch{\m@m@footnote@spacing}%
7839 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
7840 \protected@edef\@currentlabel{%
7841 \csname p@mpfootnote\endcsname\@thefnmark}%
7842 \color@begingroup
7843 \reset@font%
7844 \makefntext{%
7845 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
7846 \@finalstrut\strutbox}%
7847 \color@endgroup}}
7848 \let\m@mold@footnotetext\@footnotetext
7849 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
7850 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
7851 \let\m@mold@mpfootnotetext\@mpfootnotetext
7852 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
7853 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext

```



```

7854 \bidi@ensure@newcommand{\normalfootnotes}{%
7855   \let\@footnotetext\m@mold@footnotetext
7856   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
7857   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
7858   \let\@mpfootnotetext\m@mold@mpfootnotetext
7859   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
7860   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
7861 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
7862 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestruel}
7863 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotestruel}
7864 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
7865   \def\m@m@singlespace{#1}%
7866   \def\m@m@footnote@spacing{#1}%
7867   \def\m@m@float@spacing{#1} %
7868 }
7869 \setSingleSpace{1}
7870 \newinsert\sideins
7871 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
7872 \bidi@ensure@newcommand*{\m@m@mmf@prepare}{%
7873   \kern-\multiplefootnotemarker
7874   \kern\multiplefootnotemarker\relax}
7875 \bidi@ensure@newlength{\footmarkwidth}
7876 \bidi@ensure@newlength{\footmarksep}
7877 \bidi@ensure@newlength{\footparindent}
7878 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
7879 \bidi@ensure@newcommand*{\footfootmark}{%
7880   \ifdim\footmarkwidth < \z@
7881     \llap{\hb@xt@ -\footmarkwidth{%
7882       \hss\normalfont\footscript{\@thefnmark}}}%
7883     \hspace*{-\footmarkwidth}}%
7884   \else
7885     \ifdim\footmarkwidth = \z@
7886       {\normalfont\footscript{\@thefnmark}}%
7887     \else
7888       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
7889     \fi
7890   \fi}
7891 \footmarkstyle{\textsuperscript{#1}}
7892 \setlength{\footmarkwidth}{1.8em}
7893 \setlength{\footparindent}{1em}
7894 \bidi@ensure@newcommand{\m@m@doextrafeet}{\extrafeetins}
7895 \bidi@ensure@newcommand*{\extrafeetins}{%
7896   \setbox\@outputbox \vbox{%
7897     \boxmaxdepth \@maxdepth
7898     \unvbox\@outputbox
7899     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
7900     \extrafeetinshook}}
7901 \bidi@ensure@newcommand{\extrafeetinshook}{%
7902 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
7903 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}

```



```

7904 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
7905 \bidi@ensure@newlength{\footinsdim}
7906 \setlength{\footinsdim}{8in} % standard for \dimen\footins
7907 \bidi@ensure@newcommand{\@preamfntext}{%
7908 \interlinepenalty\interfootnotelinepenalty
7909 \floatingpenalty \@MM
7910 \splittopskip=\footnotesep
7911 \splitmaxdepth=\dp\strutbox
7912 \@parboxrestore}
7913 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
7914 \extrafeetminihook}
7915 \bidi@ensure@newcommand{\extrafeetendmini}{%
7916 \ifvoid\@mpfootinsv@r\else
7917 \vskip\skip\@mpfootins
7918 \normalcolor\footnoterule\mp@footgroupv@r
7919 \fi
7920 \extrafeetendminihook}
7921 \bidi@ensure@newcommand{\extrafeetendminihook}{}
7922 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
7923 \def\endminipage{%
7924 \par
7925 \unskip
7926 \ifvoid\@mpfootins\else
7927 \vskip\skip\@mpfootins
7928 \normalcolor
7929 \footnoterule
7930 \unvbox\@mpfootins
7931 \fi
7932 \m@mdoextrafeetendmini
7933 \@minipagefalse
7934 \color@endgroup
7935 \egroup
7936 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
7937 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
7938 \@namedef{@footstart#1}{%
7939 \vskip\bigskipamount
7940 \leftskip=\z@
7941 \rightskip=\z@
7942 \footnoterule}}
7943 \newinsert\footinsv@r
7944 \skip\footinsv@r\bigskipamount
7945 \count\footinsv@r=1000 % no magnification
7946 \dimen\footinsv@r=\footinsdim
7947 \m@make@footstart{v@r}
7948 \bidi@ensure@newcommand{\@footgroupv@r}{}
7949 \newinsert\@mpfootinsv@r
7950 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
7951 \newcount\m@m@k \newdimen\m@m@h
7952 \@ifpackageloaded{multicol}{%
7953 \bidi@ensure@newcommand*\{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3

```



```

7954 \hsize\textwidth
7955 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7956 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
7957 }{%
7958 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
7959 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7960 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
7961 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
7962 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
7963 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
7964 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
7965 \setbox2 \vsplit0 to \dimen0
7966 \unvbox2 }
7967 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
7968 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7969 \let\@footnotetext\@twocolfootnotetext
7970 \let\@LTRfootnotetext\@twocolLTRfootnotetext
7971 \let\@RTLfootnotetext\@twocolRTLfootnotetext
7972 \dimen\footinsv@r=2\footinsdim
7973 \count\footinsv@r=500\relax
7974 \m@make@twocol@footgroup{v@r}%
7975 \let\@footgroupv@r\@twocol@footgroupv@r
7976 \let\@mpfootnotetext\@mptwocolfootnotetext
7977 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
7978 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
7979 \m@make@mptwocol@footgroup{v@r}%
7980 \let\@mp@footgroupv@r\@mptwocol@footgroupv@r}
7981 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
7982 \def\baselinestretch{\m@m@footnote@spacing}%
7983 \reset@font\foottextfont
7984 \@preamfntext
7985 \protected@edef\@currentlabel{%
7986 \csname p@footnote\endcsname\@thefnmark}%
7987 \color@begingroup
7988 \@twocolfootfmt{#1}%
7989 \color@endgroup}%
7990 \m@mmf@prepare}
7991 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
7992 \def\baselinestretch{\m@m@footnote@spacing}%
7993 \reset@font\LTRfoottextfont
7994 \@preamfntext
7995 \protected@edef\@currentlabel{%
7996 \csname p@footnote\endcsname\@thefnmark}%
7997 \color@begingroup
7998 \@twocolLTRfootfmt{#1}%
7999 \color@endgroup}%
8000 \m@mmf@prepare}
8001 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8002 \def\baselinestretch{\m@m@footnote@spacing}%
8003 \reset@font\RTLfoottextfont

```



```

8004 \@preamfntext
8005 \protected@edef\@currentlabel{%
8006   \csname p@footnote\endcsname\@thefnmark}%
8007 \color@begingroup
8008   \@twocolRTLfootfmt{#1}%
8009 \color@endgroup}%
8010 \m@mmf@prepare}
8011 \bidi@ensure@newcommand{\@preamtwofmt}{%
8012   \hspace{.45\hspace}
8013   \parindent=\z@
8014   \tolerance=5000\relax
8015   \leavevmode}
8016 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8017   \@preamtwofmt
8018   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8019 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8020   \@preamtwofmt
8021   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8022 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8023   \@preamtwofmt
8024   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8025 \bidi@ensure@newcommand{\@emptwocolfootnotetext}[1]{%
8026   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8027     \unvbox\@mpfootinsv@r
8028     \def\baselinestretch{\m@mm@footnote@spacing}%
8029     \reset@font\foottextfont
8030     \hspace\columnwidth \@parboxrestore
8031     \protected@edef\@currentlabel{%
8032       \csname p@mpfootnote\endcsname\@thefnmark}%
8033     \color@begingroup
8034       \@twocolfootfmt{#1}%
8035     \color@endgroup}%
8036     \m@mmf@prepare}
8037 \bidi@ensure@newcommand{\@emptwocolLTRfootnotetext}[1]{%
8038   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8039     \unvbox\@mpfootinsv@r
8040     \def\baselinestretch{\m@mm@footnote@spacing}%
8041     \reset@font\LTRfoottextfont
8042     \hspace\columnwidth \@parboxrestore
8043     \if@RTLcolumnfootnotes\beginL\fi
8044     \protected@edef\@currentlabel{%
8045       \csname p@mpfootnote\endcsname\@thefnmark}%
8046     \color@begingroup
8047       \@twocolLTRfootfmt{#1}%
8048     \color@endgroup}%
8049     \m@mmf@prepare}
8050 \bidi@ensure@newcommand{\@emptwocolRTLfootnotetext}[1]{%
8051   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8052     \unvbox\@mpfootinsv@r
8053     \def\baselinestretch{\m@mm@footnote@spacing}%

```




```

8054 \reset@font\RTLfoottextfont
8055 \hsize\columnwidth \@parboxrestore
8056 \protected@edef\@currentlabel{%
8057 \csname p@mpfootnote\endcsname\@thefnmark}%
8058 \color@begingroup
8059 \@twocolRTLfootfmt{#1}%
8060 \color@endgroup}%
8061 \m@mmf@prepare}
8062 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8063 \m@make@twocolfootnotetext{#1}%
8064 \m@make@mptwocolfootnotetext{#1}%
8065 \m@make@twocolfootfmt{#1}%
8066 \m@make@twocol@footgroup{#1}%
8067 \m@make@mptwocol@footgroup{#1}%
8068 \m@make@footstart{#1}%
8069 \bidi@namelongdef{\footnotetext#1}##1{%
8070 \nameuse{\twocolfootnotetext#1}{##1}}%
8071 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8072 \nameuse{\mptwocolfootnotetext#1}{##1}}%
8073 \@namedef{\footgroup#1}{\nameuse{\twocol@footgroup#1}}%
8074 \@namedef{\mp@footgroup#1}{\nameuse{\mptwocol@footgroup#1}}%
8075 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8076 \expandafter\count\csname footins#1\endcsname=500\relax}
8077 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8078 \bidi@namelongdef{\twocolfootnotetext#1}##1{%
8079 \insert\nameuse{footins#1}{%
8080 \def\baselinestretch{\m@m@footnote@spacing}%
8081 \reset@font\nameuse{foottextfont#1}%
8082 \@preamfntext
8083 \protected@edef\@currentlabel{%
8084 \csname p@footnote#1\endcsname \nameuse{\thefnmark#1}}%
8085 \color@begingroup
8086 \nameuse{\twocolfootfmt#1}{##1}%
8087 \color@endgroup}%
8088 \m@mmf@prepare}}
8089 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8090 \bidi@namelongdef{\mptwocolfootnotetext#1}##1{%
8091 \global\setbox\nameuse{\mpfootins#1}\vbox{%
8092 \unvbox\nameuse{\mpfootins#1}
8093 \def\baselinestretch{\m@m@footnote@spacing}%
8094 \reset@font\nameuse{foottextfont#1}%
8095 \hsize\columnwidth \@parboxrestore
8096 \protected@edef\@currentlabel{%
8097 \csname p@mpfootnote#1\endcsname\nameuse{\thefnmark#1}}%
8098 \color@begingroup
8099 \nameuse{\twocolfootfmt#1}{##1}%
8100 \color@endgroup}\m@mmf@prepare}}
8101 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8102 \@namedef{\twocolfootfmt#1}##1{%
8103 \@preamtwofmt

```



```

8104     {\@nameuse{footfootmark#1}\strut
8105      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8106 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8107   \@namedef{@twocol@footgroup#1}{%
8108     \def\baselinestretch{\m@footnote@spacing}%
8109     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8110     \m@rigrigidbodybalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8111 \bidi@ensure@newcommand{\m@make@mp@twocol@footgroup}[1]{%
8112   \@namedef{@mp@twocol@footgroup#1}{%
8113     \def\baselinestretch{\m@footnote@spacing}%
8114     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8115     \m@rigrigidbodybalance{\@nameuse{mp@footins#1}}{\tw@}{\splittopskip}}}}
8116 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8117   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8118   \let\@footnotetext\@threecolfootnotetext
8119   \let\@LTRfootnotetext\@threecolLTRfootnotetext
8120   \let\@RTLfootnotetext\@threecolRTLfootnotetext
8121   \dimen\footinsv@r=3\footinsdim
8122   \count\footinsv@r=333\relax
8123   \m@make@threecol@footgroup{v@r}%
8124   \let\@footgroupv@r\@threecol@footgroupv@r
8125   \let\@mpfootnotetext\@mpthreecolfootnotetext
8126   \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8127   \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8128   \m@make@mpthreecol@footgroup{v@r}%
8129   \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
8130 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8131   \def\baselinestretch{\m@footnote@spacing}%
8132   \reset@font\foottextfont
8133   \@preamfntext
8134   \protected@edef\@currentlabel{%
8135     \csname p@footnote\endcsname\@thefnmark}%
8136   \color@begingroup
8137     \@threecolfootfmt{#1}%
8138   \color@endgroup}\m@mmf@prepare}
8139 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8140   \def\baselinestretch{\m@footnote@spacing}%
8141   \reset@font\LTRfoottextfont
8142   \@preamfntext
8143   \protected@edef\@currentlabel{%
8144     \csname p@footnote\endcsname\@thefnmark}%
8145   \color@begingroup
8146     \@threecolLTRfootfmt{#1}%
8147   \color@endgroup}\m@mmf@prepare}
8148 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8149   \def\baselinestretch{\m@footnote@spacing}%
8150   \reset@font\RTLfoottextfont
8151   \@preamfntext
8152   \protected@edef\@currentlabel{%
8153     \csname p@footnote\endcsname\@thefnmark}%

```



```

8154 \color@begingroup
8155 \@threecolRTLfootfmt{#1}%
8156 \color@endgroup}\m@mmf@prepare}
8157 \bidi@ensure@newcommand{\@preamthreefmt}{%
8158 \hsize .3\hsize
8159 \parindent=\z@
8160 \tolerance=5000\relax
8161 \leavevmode}
8162 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8163 \@preamthreefmt
8164 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8165 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8166 \@preamthreefmt
8167 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8168 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8169 \@preamthreefmt
8170 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8171 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8172 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8173 \unvbox\@mpfootinsv@r
8174 \def\baselinestretch{\m@m@footnote@spacing}%
8175 \reset@font\foottextfont
8176 \hsize\columnwidth \@parboxrestore
8177 \protected@edef\@currentlabel{%
8178 \csname p@mpfootnote\endcsname\@thefnmark}%
8179 \color@begingroup
8180 \@threecolfootfmt{#1}%
8181 \color@endgroup}\m@mmf@prepare}
8182 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8183 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8184 \unvbox\@mpfootinsv@r
8185 \def\baselinestretch{\m@m@footnote@spacing}%
8186 \reset@font\LTRfoottextfont
8187 \hsize\columnwidth \@parboxrestore
8188 \if@RTLcolumnfootnotes\beginL\fi
8189 \protected@edef\@currentlabel{%
8190 \csname p@mpfootnote\endcsname\@thefnmark}%
8191 \color@begingroup
8192 \@threecolLTRfootfmt{#1}%
8193 \color@endgroup}\m@mmf@prepare}
8194 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8195 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8196 \unvbox\@mpfootinsv@r
8197 \def\baselinestretch{\m@m@footnote@spacing}%
8198 \reset@font\RTLfoottextfont
8199 \hsize\columnwidth \@parboxrestore
8200 \protected@edef\@currentlabel{%
8201 \csname p@mpfootnote\endcsname\@thefnmark}%
8202 \color@begingroup
8203 \@threecolRTLfootfmt{#1}%

```



```

8204 \color@endgroup}\m@mmf@prepare}
8205 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8206 \m@make@threecolfootnotetext{#1}%
8207 \m@make@mpthreecolfootnotetext{#1}%
8208 \m@make@threecolfootfmt{#1}%
8209 \m@make@threecol@footgroup{#1}%
8210 \m@make@mpthreecol@footgroup{#1}%
8211 \m@make@footstart{#1}%
8212 \bidi@namelongdef{@footnotetext#1}##1{%
8213 \@nameuse{@threecolfootnotetext#1}{##1}}%
8214 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8215 \@nameuse{@mpthreecolfootnotetext#1}{##1}}%
8216 \@namedef{@footgroup#1}{\@nameuse{@threecol@footgroup#1}}%
8217 \@namedef{mp@footgroup#1}{\@nameuse{@mpthreecol@footgroup#1}}%
8218 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8219 \expandafter\count\csname footins#1\endcsname=333\relax}
8220 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8221 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
8222 \insert\@nameuse{footins#1}{%
8223 \def\baselinestretch{\m@m@footnote@spacing}%
8224 \reset@font\@nameuse{foottextfont#1}%
8225 \@preamfntext
8226 \protected@edef\@currentlabel{%
8227 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8228 \color@begingroup
8229 \@nameuse{@threecolfootfmt#1}{##1}%
8230 \color@endgroup}\m@mmf@prepare}}
8231 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8232 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
8233 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8234 \unvbox\@nameuse{@mpfootins#1}
8235 \def\baselinestretch{\m@m@footnote@spacing}%
8236 \reset@font\@nameuse{foottextfont#1}%
8237 \hsize\columnwidth \@parboxrestore
8238 \protected@edef\@currentlabel{%
8239 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8240 \color@begingroup
8241 \@nameuse{@threecolfootfmt#1}{##1}%
8242 \color@endgroup}\m@mmf@prepare}}
8243 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8244 \bidi@namelongdef{@threecolfootfmt#1}##1{%
8245 \@preamthrefmt
8246 {\@nameuse{footfootmark#1}\strut
8247 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8248 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8249 \@namedef{@threecol@footgroup#1}{%
8250 \def\baselinestretch{\m@m@footnote@spacing}%
8251 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8252 \m@r@rigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}%
8253 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%

```



```

8254 \namedef{@mpthreecol@footgroup#1}{%
8255   \def\baselinestretch{\m@m@footnote@spacing}%
8256   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8257   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}%
8258 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8259   \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8260   \let\@footnotetext\@fourcolfootnotetext
8261   \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8262   \let\@RTLfootnotetext\@fourcolRTLfootnotetext
8263   \dimen\footinsv@r=4\footinsdim
8264   \count\footinsv@r=250\relax
8265   \m@make@fourcol@footgroup{v@r}%
8266   \let\@footgroupv@r\@fourcol@footgroupv@r
8267   \let\@mpfootnotetext\@mpfourcolfootnotetext
8268   \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8269   \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8270   \m@make@mpfourcol@footgroup{v@r}%
8271   \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8272 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8273   \def\baselinestretch{\m@m@footnote@spacing}%
8274   \reset@font\foottextfont
8275   \@preamfntext
8276   \protected@edef\@currentlabel{%
8277     \csname p@footnote\endcsname\@thefnmark}%
8278   \color@begingroup
8279     \@fourcolfootfmt{#1}%
8280   \color@endgroup}%
8281   \m@mmf@prepare}
8282 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8283   \def\baselinestretch{\m@m@footnote@spacing}%
8284   \reset@font\LTRfoottextfont
8285   \@preamfntext
8286   \protected@edef\@currentlabel{%
8287     \csname p@footnote\endcsname\@thefnmark}%
8288   \color@begingroup
8289     \@fourcolLTRfootfmt{#1}%
8290   \color@endgroup}%
8291   \m@mmf@prepare}
8292 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8293   \def\baselinestretch{\m@m@footnote@spacing}%
8294   \reset@font\RTLfoottextfont
8295   \@preamfntext
8296   \protected@edef\@currentlabel{%
8297     \csname p@footnote\endcsname\@thefnmark}%
8298   \color@begingroup
8299     \@fourcolRTLfootfmt{#1}%
8300   \color@endgroup}%
8301   \m@mmf@prepare}
8302 \bidi@ensure@newcommand{\@preamfourfmt}{%
8303   \hspace{.25\hspace}

```



```

8304 \parindent=\z@
8305 \tolerance=5000\relax
8306 \leavevmode}
8307 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8308 \@preamfourfmt
8309 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8310 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8311 \@preamfourfmt
8312 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8313 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8314 \@preamfourfmt
8315 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8316 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8317 \global\setbox\@mpfootinsv\@r\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8318 \unvbox\@mpfootinsv@r
8319 \def\baselinestretch{\m@m@footnote@spacing}%
8320 \reset@font\foottextfont
8321 \hsize\columnwidth \@parboxrestore
8322 \protected@edef\@currentlabel{%
8323 \csname p@mpfootnote\endcsname\@thefnmark}%
8324 \color@begingroup
8325 \@fourcolfootfmt{#1}%
8326 \color@endgroup}%
8327 \m@m@mmf@prepare}
8328 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8329 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLfalse%
8330 \unvbox\@mpfootinsv@r
8331 \def\baselinestretch{\m@m@footnote@spacing}%
8332 \reset@font\LTRfoottextfont
8333 \hsize\columnwidth \@parboxrestore
8334 \if@RTLcolumnfootnotes\beginL\fi
8335 \protected@edef\@currentlabel{%
8336 \csname p@mpfootnote\endcsname\@thefnmark}%
8337 \color@begingroup
8338 \@fourcolLTRfootfmt{#1}%
8339 \color@endgroup}%
8340 \m@m@mmf@prepare}
8341 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8342 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLtrue%
8343 \unvbox\@mpfootinsv@r
8344 \def\baselinestretch{\m@m@footnote@spacing}%
8345 \reset@font\RTLfoottextfont
8346 \hsize\columnwidth \@parboxrestore
8347 \protected@edef\@currentlabel{%
8348 \csname p@mpfootnote\endcsname\@thefnmark}%
8349 \color@begingroup
8350 \@fourcolRTLfootfmt{#1}%
8351 \color@endgroup}%
8352 \m@m@mmf@prepare}
8353 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%

```



```

8354 \m@make@fourcolfootnotetext{#1}%
8355 \m@make@mpfourcolfootnotetext{#1}%
8356 \m@make@fourcolfootfmt{#1}%
8357 \m@make@fourcol@footgroup{#1}%
8358 \m@make@mpfourcol@footgroup{#1}%
8359 \m@make@footstart{#1}%
8360 \bidi@namelongdef{@footnotetext#1}##1{%
8361     \@nameuse{@fourcolfootnotetext#1}{##1}}%
8362 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8363     \@nameuse{@mpfourcolfootnotetext#1}{##1}}%
8364 \@namedef{@footgroup#1}{\@nameuse{@fourcol@footgroup#1}}%
8365 \@namedef{@mp@footgroup#1}{\@nameuse{@mpfourcol@footgroup#1}}%
8366 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8367 \expandafter\count\csname footins#1\endcsname=500\relax}
8368 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8369     \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
8370         \insert\@nameuse{footins#1}{%
8371             \def\baselinestretch{\m@m@footnote@spacing}%
8372             \reset@font\@nameuse{foottextfont#1}%
8373             \@preamfntext
8374             \protected@edef\@currentlabel{%
8375                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8376             \color@begingroup
8377                 \@nameuse{@fourcolfootfmt#1}{##1}%
8378             \color@endgroup}%
8379             \m@mmf@prepare}}
8380 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8381     \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
8382         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8383             \unvbox\@nameuse{@mpfootins#1}
8384             \def\baselinestretch{\m@m@footnote@spacing}%
8385             \reset@font\@nameuse{foottextfont#1}%
8386             \hsize\columnwidth \@parboxrestore
8387             \protected@edef\@currentlabel{%
8388                 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8389             \color@begingroup
8390                 \@nameuse{@fourcolfootfmt#1}{##1}%
8391             \color@endgroup}\m@mmf@prepare}}
8392 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8393     \@namedef{@fourcolfootfmt#1}##1{%
8394         \@preamfourfmt
8395         {\@nameuse{footfootmark#1}\strut
8396         {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8397 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8398     \@namedef{@fourcol@footgroup#1}{%
8399         \def\baselinestretch{\m@m@footnote@spacing}%
8400         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8401         \m@rigrigidbodybalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
8402 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8403     \@namedef{@mpfourcol@footgroup#1}{%

```



```

8404 \def\baselinestretch{\m@m@footnote@spacing}%
8405 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8406 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
8407 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
8408 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8409 \let\@footnotetext\@fivecolfootnotetext
8410 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8411 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8412 \dimen\footinsv@r=5\footinsdim
8413 \count\footinsv@r=200\relax
8414 \m@make@fivecol@footgroup{v@r}%
8415 \let\@footgroupv@r\@fivecol@footgroupv@r
8416 \let\@mpfootnotetext\@mpfivecolfootnotetext
8417 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
8418 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8419 \m@make@mpfivecol@footgroup{v@r}%
8420 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
8421 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8422 \def\baselinestretch{\m@m@footnote@spacing}%
8423 \reset@font\foottextfont
8424 \@preamfntext
8425 \protected@edef\@currentlabel{%
8426 \csname p@footnote\endcsname\@thefnmark}%
8427 \color@begingroup
8428 \@fivecolfootfmt{#1}%
8429 \color@endgroup}%
8430 \m@mmf@prepare}
8431 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8432 \def\baselinestretch{\m@m@footnote@spacing}%
8433 \reset@font\LTRfoottextfont
8434 \@preamfntext
8435 \protected@edef\@currentlabel{%
8436 \csname p@footnote\endcsname\@thefnmark}%
8437 \color@begingroup
8438 \@fivecolLTRfootfmt{#1}%
8439 \color@endgroup}%
8440 \m@mmf@prepare}
8441 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8442 \def\baselinestretch{\m@m@footnote@spacing}%
8443 \reset@font\RTLfoottextfont
8444 \@preamfntext
8445 \protected@edef\@currentlabel{%
8446 \csname p@footnote\endcsname\@thefnmark}%
8447 \color@begingroup
8448 \@fivecolRTLfootfmt{#1}%
8449 \color@endgroup}%
8450 \m@mmf@prepare}
8451 \bidi@ensure@newcommand{\@preamfivefmt}{%
8452 \hspace{.2\hspace}
8453 \parindent=\z@

```




```

8454 \tolerance=5000\relax
8455 \leavevmode}
8456 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8457 \@preamfivefmt
8458 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8459 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8460 \@preamfivefmt
8461 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8462 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8463 \@preamfivefmt
8464 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8465 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8466 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8467 \unvbox\@mpfootinsv@r
8468 \def\baselinestretch{\m@m@footnote@spacing}%
8469 \reset@font\foottextfont
8470 \hsize\columnwidth \@parboxrestore
8471 \protected@edef\@currentlabel{%
8472 \csname p@mpfootnote\endcsname\@thefnmark}%
8473 \color@begingroup
8474 \@fivecolfootfmt{#1}%
8475 \color@endgroup}%
8476 \m@mmf@prepare}
8477 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8478 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8479 \unvbox\@mpfootinsv@r
8480 \def\baselinestretch{\m@m@footnote@spacing}%
8481 \reset@font\LTRfoottextfont
8482 \hsize\columnwidth \@parboxrestore
8483 \if@RTLcolumnfootnotes\beginL\fi
8484 \protected@edef\@currentlabel{%
8485 \csname p@mpfootnote\endcsname\@thefnmark}%
8486 \color@begingroup
8487 \@fivecolLTRfootfmt{#1}%
8488 \color@endgroup}%
8489 \m@mmf@prepare}
8490 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8491 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8492 \unvbox\@mpfootinsv@r
8493 \def\baselinestretch{\m@m@footnote@spacing}%
8494 \reset@font\RTLfoottextfont
8495 \hsize\columnwidth \@parboxrestore
8496 \protected@edef\@currentlabel{%
8497 \csname p@mpfootnote\endcsname\@thefnmark}%
8498 \color@begingroup
8499 \@fivecolRTLfootfmt{#1}%
8500 \color@endgroup}%
8501 \m@mmf@prepare}
8502 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8503 \m@make@fivecolfootnotetext{#1}%

```



```

8504 \m@make@mpfivecolfootnotetext{#1}%
8505 \m@make@fivecolfootfmt{#1}%
8506 \m@make@fivecol@footgroup{#1}%
8507 \m@make@mpfivecol@footgroup{#1}%
8508 \m@make@footstart{#1}%
8509 \bidi@namelongdef{@footnotetext#1}##1{%
8510     \@nameuse{@fivecolfootnotetext#1}{##1}}%
8511 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8512     \@nameuse{@mpfivecolfootnotetext#1}{##1}}%
8513 \@namedef{@footgroup#1}{\@nameuse{@fivecol@footgroup#1}}%
8514 \@namedef{mp@footgroup#1}{\@nameuse{@mpfivecol@footgroup#1}}%
8515 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8516 \expandafter\count\csname footins#1\endcsname=500\relax}
8517 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8518     \bidi@namelongdef{@fivecolfootnotetext#1}##1{%
8519         \insert\@nameuse{footins#1}{%
8520             \def\baselinestretch{\m@m@footnote@spacing}%
8521             \reset@font\@nameuse{foottextfont#1}%
8522             \@preamfntext
8523             \protected@edef\@currentlabel{%
8524                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8525             \color@begingroup
8526                 \@nameuse{@fivecolfootfmt#1}{##1}%
8527             \color@endgroup}%
8528             \m@m@mmf@prepare}}
8529 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8530     \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
8531         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8532             \unvbox\@nameuse{@mpfootins#1}
8533             \def\baselinestretch{\m@m@footnote@spacing}%
8534             \reset@font\@nameuse{foottextfont#1}%
8535             \hsize\columnwidth \@parboxrestore
8536             \protected@edef\@currentlabel{%
8537                 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8538             \color@begingroup
8539                 \@nameuse{@fivecolfootfmt#1}{##1}%
8540             \color@endgroup}\m@m@mmf@prepare}}
8541 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8542     \@namedef{@fivecol@footfmt#1}##1{%
8543         \@preamfivefmt
8544         {\@nameuse{footfootmark#1}\strut
8545         {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8546 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8547     \@namedef{@fivecol@footgroup#1}{%
8548         \def\baselinestretch{\m@m@footnote@spacing}%
8549         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8550         \m@m@rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
8551 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8552     \@namedef{@mpfivecol@footgroup#1}{%
8553         \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8554 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8555 \m@r rigidbalance{\nameuse{mpfootins#1}}{5}{\splittopskip}}}}
8556 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8557 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8558 \let\@footnotetext\@sixcolfootnotetext
8559 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8560 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8561 \dimen\footinsv@r=6\footinsdim
8562 \count\footinsv@r=166\relax
8563 \m@make@sixcol@footgroup{v@r}%
8564 \let\@footgroupv@r\@sixcol@footgroupv@r
8565 \let\@mpfootnotetext\@mpsixcolfootnotetext
8566 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
8567 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8568 \m@make@mpsixcol@footgroup{v@r}%
8569 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
8570 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8571 \def\baselinestretch{\m@m@footnote@spacing}%
8572 \reset@font\foottextfont
8573 \@preamfntext
8574 \protected@edef\@currentlabel{%
8575 \csname p@footnote\endcsname\@thefnmark}%
8576 \color@begingroup
8577 \@sixcolfootfmt{#1}%
8578 \color@endgroup}%
8579 \m@mmf@prepare}
8580 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8581 \def\baselinestretch{\m@m@footnote@spacing}%
8582 \reset@font\LTRfoottextfont
8583 \@preamfntext
8584 \protected@edef\@currentlabel{%
8585 \csname p@footnote\endcsname\@thefnmark}%
8586 \color@begingroup
8587 \@sixcolLTRfootfmt{#1}%
8588 \color@endgroup}%
8589 \m@mmf@prepare}
8590 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8591 \def\baselinestretch{\m@m@footnote@spacing}%
8592 \reset@font\RTLfoottextfont
8593 \@preamfntext
8594 \protected@edef\@currentlabel{%
8595 \csname p@footnote\endcsname\@thefnmark}%
8596 \color@begingroup
8597 \@sixcolRTLfootfmt{#1}%
8598 \color@endgroup}%
8599 \m@mmf@prepare}
8600 \bidi@ensure@newcommand{\@preamsixfmt}{%
8601 \hsize .16\hsize
8602 \parindent=\z@
8603 \tolerance=5000\relax

```



```

8604 \leavevmode}
8605 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8606 \@preamsixfmt
8607 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8608 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
8609 \@preamsixfmt
8610 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8611 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
8612 \@preamsixfmt
8613 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8614 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}%
8615 \global\setbox\@mpfootinsv@r\vbox{%
8616 \unvbox\@mpfootinsv@r
8617 \def\baselinestretch{\m@m@footnote@spacing}%
8618 \reset@font\foottextfont
8619 \hsize\columnwidth \@parboxrestore
8620 \protected@edef\@currentlabel{%
8621 \csname p@mpfootnote\endcsname\@thefnmark}%
8622 \color@begingroup
8623 \@sixcolfootfmt{#1}%
8624 \color@endgroup}%
8625 \m@mmf@prepare}
8626 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse}%
8627 \global\setbox\@mpfootinsv@r\vbox{%
8628 \unvbox\@mpfootinsv@r
8629 \def\baselinestretch{\m@m@footnote@spacing}%
8630 \reset@font\LTRfoottextfont
8631 \hsize\columnwidth \@parboxrestore
8632 \if@RTLcolumnfootnotes\beginL\fi
8633 \protected@edef\@currentlabel{%
8634 \csname p@mpfootnote\endcsname\@thefnmark}%
8635 \color@begingroup
8636 \@sixcolLTRfootfmt{#1}%
8637 \color@endgroup}%
8638 \m@mmf@prepare}
8639 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue}%
8640 \global\setbox\@mpfootinsv@r\vbox{%
8641 \unvbox\@mpfootinsv@r
8642 \def\baselinestretch{\m@m@footnote@spacing}%
8643 \reset@font\RTLfoottextfont
8644 \hsize\columnwidth \@parboxrestore
8645 \protected@edef\@currentlabel{%
8646 \csname p@mpfootnote\endcsname\@thefnmark}%
8647 \color@begingroup
8648 \@sixcolRTLfootfmt{#1}%
8649 \color@endgroup}%
8650 \m@mmf@prepare}
8651 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8652 \m@make@sixcolfootnotetext{#1}%
8653 \m@make@mpsixcolfootnotetext{#1}%

```



```

8654 \m@make@sixcolfootfmt{#1}%
8655 \m@make@sixcol@footgroup{#1}%
8656 \m@make@mpsixcol@footgroup{#1}%
8657 \m@make@footstart{#1}%
8658 \bidi@namelongdef{@footnotetext#1}##1{%
8659     \@nameuse{@sixcolfootnotetext#1}{##1}}%
8660 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8661     \@nameuse{@mpsixcolfootnotetext#1}{##1}}%
8662 \@namedef{@footgroup#1}{\@nameuse{@sixcol@footgroup#1}}%
8663 \@namedef{@mp@footgroup#1}{\@nameuse{@mpsixcol@footgroup#1}}%
8664 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8665 \expandafter\count\csname footins#1\endcsname=500\relax
8666 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
8667     \bidi@namelongdef{@sixcolfootnotetext#1}##1{%
8668         \insert\@nameuse{footins#1}{%
8669             \def\baselinestretch{\m@m@footnote@spacing}%
8670             \reset@font\@nameuse{foottextfont#1}%
8671             \@preamfntext
8672             \protected@edef\@currentlabel{%
8673                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8674             \color@begingroup
8675                 \@nameuse{@sixcolfootfmt#1}{##1}%
8676             \color@endgroup}%
8677             \m@m@mmf@prepare}}
8678 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
8679     \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
8680         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8681             \unvbox\@nameuse{@mpfootins#1}
8682             \def\baselinestretch{\m@m@footnote@spacing}%
8683             \reset@font\@nameuse{foottextfont#1}%
8684             \hsize\columnwidth \@parboxrestore
8685             \protected@edef\@currentlabel{%
8686                 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8687             \color@begingroup
8688                 \@nameuse{@sixcolfootfmt#1}{##1}%
8689             \color@endgroup}\m@m@mmf@prepare}}
8690 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
8691     \@namedef{@sixcolfootfmt#1}##1{%
8692         \@preamsixfmt
8693         {\@nameuse{footfootmark#1}\strut
8694         {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8695 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
8696     \@namedef{@sixcol@footgroup#1}{%
8697         \def\baselinestretch{\m@m@footnote@spacing}%
8698         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8699         \m@m@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
8700 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
8701     \@namedef{@mpsixcol@footgroup#1}{%
8702         \def\baselinestretch{\m@m@footnote@spacing}%
8703         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

8704 \m@rigrigidbodybalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}}
8705 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
8706 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8707 \let\@footnotetext\@sevendcolfootnotetext
8708 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
8709 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
8710 \dimen\footinsv@r=7\footinsdim
8711 \count\footinsv@r=142\relax
8712 \m@make@sevendcol@footgroup{v@r}%
8713 \let\@footgroupv@r\@sevendcol@footgroupv@r
8714 \let\@mpfootnotetext\@mpsevendcolfootnotetext
8715 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
8716 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
8717 \m@make@mpsevendcol@footgroup{v@r}%
8718 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
8719 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8720 \def\baselinestretch{\m@m@footnote@spacing}%
8721 \reset@font\foottextfont
8722 \@preamfntext
8723 \protected@edef\@currentlabel{%
8724 \csname p@footnote\endcsname\@thefnmark}%
8725 \color@begingroup
8726 \@sevendcolfootfmt{#1}%
8727 \color@endgroup}%
8728 \m@mmf@prepare}
8729 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8730 \def\baselinestretch{\m@m@footnote@spacing}%
8731 \reset@font\LTRfoottextfont
8732 \@preamfntext
8733 \protected@edef\@currentlabel{%
8734 \csname p@footnote\endcsname\@thefnmark}%
8735 \color@begingroup
8736 \@sevendcolLTRfootfmt{#1}%
8737 \color@endgroup}%
8738 \m@mmf@prepare}
8739 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8740 \def\baselinestretch{\m@m@footnote@spacing}%
8741 \reset@font\RTLfoottextfont
8742 \@preamfntext
8743 \protected@edef\@currentlabel{%
8744 \csname p@footnote\endcsname\@thefnmark}%
8745 \color@begingroup
8746 \@sevendcolRTLfootfmt{#1}%
8747 \color@endgroup}%
8748 \m@mmf@prepare}
8749 \bidi@ensure@newcommand{\@preamsevenfmt}{%
8750 \hsize .142\hsize
8751 \parindent=\z@
8752 \tolerance=5000\relax
8753 \leavevmode}

```



```

8754 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
8755   \@preamsevenfmt
8756   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8757 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
8758   \@preamsevenfmt
8759   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8760 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
8761   \@preamsevenfmt
8762   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8763 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
8764   \global\setbox\@mpfootinsv@r\vbox{%
8765     \unvbox\@mpfootinsv@r
8766     \def\baselinestretch{\m@m@footnote@spacing}%
8767     \reset@font\foottextfont
8768     \hsize\columnwidth \@parboxrestore
8769     \protected@edef\@currentlabel{%
8770       \csname p@mpfootnote\endcsname\@thefnmark}%
8771     \color@begingroup
8772       \@sevendcolfootfmt{#1}%
8773     \color@endgroup}%
8774   \m@mmf@prepare}
8775 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%
8776   \global\setbox\@mpfootinsv@r\vbox{%
8777     \unvbox\@mpfootinsv@r
8778     \def\baselinestretch{\m@m@footnote@spacing}%
8779     \reset@font\LTRfoottextfont
8780     \hsize\columnwidth \@parboxrestore
8781     \if@RTLcolumnfootnotes\beginL\fi
8782     \protected@edef\@currentlabel{%
8783       \csname p@mpfootnote\endcsname\@thefnmark}%
8784     \color@begingroup
8785       \@sevendcolLTRfootfmt{#1}%
8786     \color@endgroup}%
8787   \m@mmf@prepare}
8788 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{\@RTLtrue%
8789   \global\setbox\@mpfootinsv@r\vbox{%
8790     \unvbox\@mpfootinsv@r
8791     \def\baselinestretch{\m@m@footnote@spacing}%
8792     \reset@font\RTLfoottextfont
8793     \hsize\columnwidth \@parboxrestore
8794     \protected@edef\@currentlabel{%
8795       \csname p@mpfootnote\endcsname\@thefnmark}%
8796     \color@begingroup
8797       \@sevendcolRTLfootfmt{#1}%
8798     \color@endgroup}%
8799   \m@mmf@prepare}
8800 \bidi@ensure@newcommand{\sevendcolumnfootstyle}[1]{%
8801   \m@make@sevendcolfootnotetext{#1}%
8802   \m@make@mpsevendcolfootnotetext{#1}%
8803   \m@make@sevendcolfootfmt{#1}%

```



```

8804 \m@make@sevenscol@footgroup{#1}%
8805 \m@make@mpsevenscol@footgroup{#1}%
8806 \m@make@footstart{#1}%
8807 \bidi@namelongdef{@footnotetext#1}##1{%
8808     \@nameuse{@sevenscolfootnotetext#1}{##1}}%
8809 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8810     \@nameuse{@mpsevenscolfootnotetext#1}{##1}}%
8811 \@namedef{@footgroup#1}{\@nameuse{@sevenscol@footgroup#1}}%
8812 \@namedef{mp@footgroup#1}{\@nameuse{@mpsevenscol@footgroup#1}}%
8813 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8814 \expandafter\count\csname footins#1\endcsname=500\relax}
8815 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
8816     \bidi@namelongdef{@sevenscolfootnotetext#1}##1{%
8817         \insert\@nameuse{footins#1}{%
8818             \def\baselinestretch{\m@m@footnote@spacing}%
8819             \reset@font\@nameuse{foottextfont#1}%
8820             \@preamfntext
8821             \protected@edef\@currentlabel{%
8822                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8823             \color@begingroup
8824             \@nameuse{@sevenscolfootfmt#1}{##1}%
8825             \color@endgroup}%
8826             \m@mmf@prepare}}
8827 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
8828     \bidi@namelongdef{@mpsevenscolfootnotetext#1}##1{%
8829         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8830             \unvbox\@nameuse{@mpfootins#1}
8831             \def\baselinestretch{\m@m@footnote@spacing}%
8832             \reset@font\@nameuse{foottextfont#1}%
8833             \hsize\columnwidth \@parboxrestore
8834             \protected@edef\@currentlabel{%
8835                 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8836             \color@begingroup
8837             \@nameuse{@sevenscolfootfmt#1}{##1}%
8838             \color@endgroup}\m@mmf@prepare}}
8839 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
8840     \@namedef{@sevenscolfootfmt#1}##1{%
8841         \@preamsevenfmt
8842         {\@nameuse{footfootmark#1}\strut
8843             {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8844 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
8845     \@namedef{@sevenscol@footgroup#1}{%
8846         \def\baselinestretch{\m@m@footnote@spacing}%
8847         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8848         \m@rrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
8849 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
8850     \@namedef{@mpsevenscol@footgroup#1}{%
8851         \def\baselinestretch{\m@m@footnote@spacing}%
8852         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8853         \m@rrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}

```




```

8854 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
8855   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8856   \let\@footnotetext\@eightcolfootnotetext
8857   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
8858   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
8859   \dimen\footinsv@r=8\footinsdim
8860   \count\footinsv@r=125\relax
8861   \m@make@eightcol@footgroup{v@r}%
8862   \let\@footgroupv@r\@eightcol@footgroupv@r
8863   \let\@mpfootnotetext\@mpeightcolfootnotetext
8864   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
8865   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
8866   \m@make@mpeightcol@footgroup{v@r}%
8867   \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
8868 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8869   \def\baselinestretch{\m@m@footnote@spacing}%
8870   \reset@font\foottextfont
8871   \@preamfntext
8872   \protected@edef\@currentlabel{%
8873     \csname p@footnote\endcsname\@thefnmark}%
8874   \color@begingroup
8875     \@eightcolfootfmt{#1}%
8876   \color@endgroup}%
8877   \m@m@mmf@prepare}
8878 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8879   \def\baselinestretch{\m@m@footnote@spacing}%
8880   \reset@font\LTRfoottextfont
8881   \@preamfntext
8882   \protected@edef\@currentlabel{%
8883     \csname p@footnote\endcsname\@thefnmark}%
8884   \color@begingroup
8885     \@eightcolLTRfootfmt{#1}%
8886   \color@endgroup}%
8887   \m@m@mmf@prepare}
8888 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8889   \def\baselinestretch{\m@m@footnote@spacing}%
8890   \reset@font\RTLfoottextfont
8891   \@preamfntext
8892   \protected@edef\@currentlabel{%
8893     \csname p@footnote\endcsname\@thefnmark}%
8894   \color@begingroup
8895     \@eightcolRTLfootfmt{#1}%
8896   \color@endgroup}%
8897   \m@m@mmf@prepare}
8898 \bidi@ensure@newcommand{\@preameightfmt}{%
8899   \hsize .125\hsize
8900   \parindent=\z@
8901   \tolerance=5000\relax
8902   \leavevmode}
8903 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%

```



```

8904 \@preameightfmt
8905 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8906 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
8907 \@preameightfmt
8908 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8909 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
8910 \@preameightfmt
8911 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8912 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
8913 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8914 \unvbox\@mpfootinsv@r
8915 \def\baselinestretch{\m@m@footnote@spacing}%
8916 \reset@font\foottextfont
8917 \hsize\columnwidth \@parboxrestore
8918 \protected@edef\@currentlabel{%
8919 \csname p@mpfootnote\endcsname\@thefnmark}%
8920 \color@begingroup
8921 \@eightcolfootfmt{#1}%
8922 \color@endgroup}%
8923 \m@mmf@prepare}
8924 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
8925 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8926 \unvbox\@mpfootinsv@r
8927 \def\baselinestretch{\m@m@footnote@spacing}%
8928 \reset@font\LTRfoottextfont
8929 \hsize\columnwidth \@parboxrestore
8930 \if@RTLcolumnfootnotes\beginL\fi
8931 \protected@edef\@currentlabel{%
8932 \csname p@mpfootnote\endcsname\@thefnmark}%
8933 \color@begingroup
8934 \@eightcolLTRfootfmt{#1}%
8935 \color@endgroup}%
8936 \m@mmf@prepare}
8937 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
8938 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8939 \unvbox\@mpfootinsv@r
8940 \def\baselinestretch{\m@m@footnote@spacing}%
8941 \reset@font\RTLfoottextfont
8942 \hsize\columnwidth \@parboxrestore
8943 \protected@edef\@currentlabel{%
8944 \csname p@mpfootnote\endcsname\@thefnmark}%
8945 \color@begingroup
8946 \@eightcolRTLfootfmt{#1}%
8947 \color@endgroup}%
8948 \m@mmf@prepare}
8949 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
8950 \m@make@eightcolfootnotetext{#1}%
8951 \m@make@mpeightcolfootnotetext{#1}%
8952 \m@make@eightcolfootfmt{#1}%
8953 \m@make@eightcol@footgroup{#1}%

```



```

8954 \m@make@mpeightcol@footgroup{#1}%
8955 \m@make@footstart{#1}%
8956 \bidi@namelongdef{@footnotetext#1}##1{%
8957   \@nameuse{@eightcolfootnotetext#1}{##1}}%
8958 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8959   \@nameuse{@mpeightcolfootnotetext#1}{##1}}%
8960 \@namedef{@footgroup#1}{\@nameuse{@eightcol@footgroup#1}}%
8961 \@namedef{mp@footgroup#1}{\@nameuse{@mpeightcol@footgroup#1}}%
8962 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8963 \expandafter\count\csname footins#1\endcsname=500\relax}
8964 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
8965   \bidi@namelongdef{@eightcolfootnotetext#1}##1{%
8966     \insert\@nameuse{footins#1}{%
8967       \def\baselinestretch{\m@m@footnote@spacing}%
8968       \reset@font\@nameuse{foottextfont#1}%
8969       \@preamfntext
8970       \protected@edef\@currentlabel{%
8971         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8972       \color@begingroup
8973         \@nameuse{@eightcolfootfmt#1}{##1}%
8974       \color@endgroup}%
8975       \m@m@mmf@prepare}}
8976 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
8977   \bidi@namelongdef{@mpeightcolfootnotetext#1}##1{%
8978     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8979       \unvbox\@nameuse{@mpfootins#1}
8980       \def\baselinestretch{\m@m@footnote@spacing}%
8981       \reset@font\@nameuse{foottextfont#1}%
8982       \hsize\columnwidth \@parboxrestore
8983       \protected@edef\@currentlabel{%
8984         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8985       \color@begingroup
8986         \@nameuse{@eightcolfootfmt#1}{##1}%
8987       \color@endgroup}\m@m@mmf@prepare}}
8988 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
8989   \@namedef{@eightcolfootfmt#1}##1{%
8990     \@preameightfmt
8991     {\@nameuse{footfootmark#1}\strut
8992      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8993 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
8994   \@namedef{@eightcol@footgroup#1}{%
8995     \def\baselinestretch{\m@m@footnote@spacing}%
8996     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8997     \m@m@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
8998 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
8999   \@namedef{@mpeightcol@footgroup#1}{%
9000     \def\baselinestretch{\m@m@footnote@spacing}%
9001     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9002     \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
9003 \bidi@ensure@newcommand{\necolumnfootnotes}{%

```



```

9004 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9005 \let\@footnotetext\@ninecolfootnotetext
9006 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9007 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9008 \dimen\footinsv@r=9\footinsdim
9009 \count\footinsv@r=111\relax
9010 \m@make@ninecol@footgroup{v@r}%
9011 \let\@footgroupv@r\@ninecol@footgroupv@r
9012 \let\@mpfootnotetext\@mpninecolfootnotetext
9013 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9014 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9015 \m@make@mpninecol@footgroup{v@r}%
9016 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
9017 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9018 \def\baselinestretch{\m@m@footnote@spacing}%
9019 \reset@font\foottextfont
9020 \@preamfntext
9021 \protected@edef\@currentlabel{%
9022   \csname p@footnote\endcsname\@thefnmark}%
9023 \color@begingroup
9024   \@ninecolfootfmt{#1}%
9025 \color@endgroup}%
9026 \m@mmf@prepare}
9027 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9028 \def\baselinestretch{\m@m@footnote@spacing}%
9029 \reset@font\LTRfoottextfont
9030 \@preamfntext
9031 \protected@edef\@currentlabel{%
9032   \csname p@footnote\endcsname\@thefnmark}%
9033 \color@begingroup
9034   \@ninecolLTRfootfmt{#1}%
9035 \color@endgroup}%
9036 \m@mmf@prepare}
9037 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9038 \def\baselinestretch{\m@m@footnote@spacing}%
9039 \reset@font\RTLfoottextfont
9040 \@preamfntext
9041 \protected@edef\@currentlabel{%
9042   \csname p@footnote\endcsname\@thefnmark}%
9043 \color@begingroup
9044   \@ninecolRTLfootfmt{#1}%
9045 \color@endgroup}%
9046 \m@mmf@prepare}
9047 \bidi@ensure@newcommand{\@preamninefmt}{%
9048 \hsize .1\hsize
9049 \parindent=\z@
9050 \tolerance=5000\relax
9051 \leavevmode}
9052 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9053 \@preamninefmt

```



```

9054 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9055 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9056   \@preamninefmt
9057   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9058 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9059   \@preamninefmt
9060   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9061 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9062   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9063     \unvbox\@mpfootinsv@r
9064     \def\baselinestretch{\m@m@footnote@spacing}%
9065     \reset@font\foottextfont
9066     \hsize\columnwidth \@parboxrestore
9067     \protected@edef\@currentlabel{%
9068       \csname p@mpfootnote\endcsname\@thefnmark}%
9069   \color@begingroup
9070     \@ninecolfootfmt{#1}%
9071   \color@endgroup}%
9072   \m@m@mmf@prepare}
9073 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9074   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9075     \unvbox\@mpfootinsv@r
9076     \def\baselinestretch{\m@m@footnote@spacing}%
9077     \reset@font\LTRfoottextfont
9078     \hsize\columnwidth \@parboxrestore
9079     \if@RTLcolumnfootnotes\beginL\fi
9080     \protected@edef\@currentlabel{%
9081       \csname p@mpfootnote\endcsname\@thefnmark}%
9082   \color@begingroup
9083     \@ninecolLTRfootfmt{#1}%
9084   \color@endgroup}%
9085   \m@m@mmf@prepare}
9086 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9087   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9088     \unvbox\@mpfootinsv@r
9089     \def\baselinestretch{\m@m@footnote@spacing}%
9090     \reset@font\RTLfoottextfont
9091     \hsize\columnwidth \@parboxrestore
9092     \protected@edef\@currentlabel{%
9093       \csname p@mpfootnote\endcsname\@thefnmark}%
9094   \color@begingroup
9095     \@ninecolRTLfootfmt{#1}%
9096   \color@endgroup}%
9097   \m@m@mmf@prepare}
9098 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
9099   \m@make@ninecolfootnotetext{#1}%
9100   \m@make@mpninecolfootnotetext{#1}%
9101   \m@make@ninecolfootfmt{#1}%
9102   \m@make@ninecol@footgroup{#1}%
9103   \m@make@mpninecol@footgroup{#1}%

```



```

g104 \m@make@footstart{#1}%
g105 \bidi@namelongdef{@footnotetext#1}##1{%
g106 \@nameuse{@ninecolfootnotetext#1}{##1}}%
g107 \bidi@namelongdef{@mpfootnotetext#1}##1{%
g108 \@nameuse{@mpninecolfootnotetext#1}{##1}}%
g109 \@namedef{@footgroup#1}{\@nameuse{@ninecol@footgroup#1}}%
g110 \@namedef{@mpfootgroup#1}{\@nameuse{@mpninecol@footgroup#1}}%
g111 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
g112 \expandafter\count\csname footins#1\endcsname=500\relax}
g113 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
g114 \bidi@namelongdef{@ninecolfootnotetext#1}##1{%
g115 \insert\@nameuse{footins#1}{%
g116 \def\baselinestretch{\m@m@footnote@spacing}%
g117 \reset@font\@nameuse{foottextfont#1}%
g118 \@preamfntext
g119 \protected@edef\@currentlabel{%
g120 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
g121 \color@begingroup
g122 \@nameuse{@ninecolfootfmt#1}{##1}%
g123 \color@endgroup}%
g124 \m@mmf@prepare}}
g125 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
g126 \bidi@namelongdef{@mpninecolfootnotetext#1}##1{%
g127 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
g128 \unvbox\@nameuse{@mpfootins#1}
g129 \def\baselinestretch{\m@m@footnote@spacing}%
g130 \reset@font\@nameuse{foottextfont#1}%
g131 \hsize\columnwidth \@parboxrestore
g132 \protected@edef\@currentlabel{%
g133 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
g134 \color@begingroup
g135 \@nameuse{@ninecolfootfmt#1}{##1}%
g136 \color@endgroup}\m@mmf@prepare}}
g137 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
g138 \@namedef{@ninecolfootfmt#1}##1{%
g139 \@preamninefmt
g140 {\@nameuse{footfootmark#1}\strut
g141 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
g142 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
g143 \@namedef{@ninecol@footgroup#1}{%
g144 \def\baselinestretch{\m@m@footnote@spacing}%
g145 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g146 \m@rigrigidbodybalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
g147 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
g148 \@namedef{@mpninecol@footgroup#1}{%
g149 \def\baselinestretch{\m@m@footnote@spacing}%
g150 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g151 \m@rigrigidbodybalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
g152 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
g153 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]

```



```

9154 \let\@footnotetext\@tencolfootnotetext
9155 \let\@LTRfootnotetext\@tencolLTRfootnotetext
9156 \let\@RTLfootnotetext\@tencolRTLfootnotetext
9157 \dimen\footinsv@r=10\footinsdim
9158 \count\footinsv@r=100\relax
9159 \m@make@tencol@footgroup{v@r}%
9160 \let\@footgroupv@r\@tencol@footgroupv@r
9161 \let\@mpfootnotetext\@mptencolfootnotetext
9162 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9163 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9164 \m@make@mptencol@footgroup{v@r}%
9165 \let\mp@footgroupv@r\@mptencol@footgroupv@r
9166 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9167 \def\baselinestretch{\m@m@footnote@spacing}%
9168 \reset@font\foottextfont
9169 \@preamfntext
9170 \protected@edef\@currentlabel{%
9171 \csname p@footnote\endcsname\@thefnmark}%
9172 \color@begingroup
9173 \@tencolfootfmt{#1}%
9174 \color@endgroup}%
9175 \m@mmf@prepare}
9176 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9177 \def\baselinestretch{\m@m@footnote@spacing}%
9178 \reset@font\LTRfoottextfont
9179 \@preamfntext
9180 \protected@edef\@currentlabel{%
9181 \csname p@footnote\endcsname\@thefnmark}%
9182 \color@begingroup
9183 \@tencolLTRfootfmt{#1}%
9184 \color@endgroup}%
9185 \m@mmf@prepare}
9186 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9187 \def\baselinestretch{\m@m@footnote@spacing}%
9188 \reset@font\RTLfoottextfont
9189 \@preamfntext
9190 \protected@edef\@currentlabel{%
9191 \csname p@footnote\endcsname\@thefnmark}%
9192 \color@begingroup
9193 \@tencolRTLfootfmt{#1}%
9194 \color@endgroup}%
9195 \m@mmf@prepare}
9196 \bidi@ensure@newcommand{\@preamtenfmt}{%
9197 \hsize .1\hsize
9198 \parindent=\z@
9199 \tolerance=5000\relax
9200 \leavevmode}
9201 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9202 \@preamtenfmt
9203 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}

```



```

9204 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9205   \@preamtenfmt
9206   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9207 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9208   \@preamtenfmt
9209   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9210 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9211   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9212     \unvbox\@mpfootinsv@r
9213     \def\baselinestretch{\m@m@footnote@spacing}%
9214     \reset@font\foottextfont
9215     \hsize\columnwidth \@parboxrestore
9216     \protected@edef\@currentlabel{%
9217       \csname p@mpfootnote\endcsname\@thefnmark}%
9218     \color@begingroup
9219       \@tencolfootfmt{#1}%
9220     \color@endgroup}%
9221   \m@mmf@prepare}
9222 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9223   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9224     \unvbox\@mpfootinsv@r
9225     \def\baselinestretch{\m@m@footnote@spacing}%
9226     \reset@font\LTRfoottextfont
9227     \hsize\columnwidth \@parboxrestore
9228     \if@RTLcolumnfootnotes\beginL\fi
9229     \protected@edef\@currentlabel{%
9230       \csname p@mpfootnote\endcsname\@thefnmark}%
9231     \color@begingroup
9232       \@tencolLTRfootfmt{#1}%
9233     \color@endgroup}%
9234   \m@mmf@prepare}
9235 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9236   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9237     \unvbox\@mpfootinsv@r
9238     \def\baselinestretch{\m@m@footnote@spacing}%
9239     \reset@font\RTLfoottextfont
9240     \hsize\columnwidth \@parboxrestore
9241     \protected@edef\@currentlabel{%
9242       \csname p@mpfootnote\endcsname\@thefnmark}%
9243     \color@begingroup
9244       \@tencolRTLfootfmt{#1}%
9245     \color@endgroup}%
9246   \m@mmf@prepare}
9247 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9248   \m@make@tencolfootnotetext{#1}%
9249   \m@make@mptencolfootnotetext{#1}%
9250   \m@make@tencolfootfmt{#1}%
9251   \m@make@tencol@footgroup{#1}%
9252   \m@make@mptencol@footgroup{#1}%
9253   \m@make@footstart{#1}%

```




```

9254 \bidi@namelongdef{@footnotetext#1}##1{%
9255     \@nameuse{@tencolfootnotetext#1}{##1}}%
9256 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9257     \@nameuse{@mptencolfootnotetext#1}{##1}}%
9258 \@namedef{@footgroup#1}{\@nameuse{@tencol@footgroup#1}}%
9259 \@namedef{@mp@footgroup#1}{\@nameuse{@mptencol@footgroup#1}}%
9260 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9261 \expandafter\count\csname footins#1\endcsname=500\relax}
9262 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9263     \bidi@namelongdef{@tencolfootnotetext#1}##1{%
9264         \insert\@nameuse{footins#1}{%
9265             \def\baselinestretch{\m@m@footnote@spacing}%
9266             \reset@font\@nameuse{foottextfont#1}%
9267             \@preamfntext
9268             \protected@edef\@currentlabel{%
9269                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9270             \color@begingroup
9271                 \@nameuse{@tencolfootfmt#1}{##1}%
9272             \color@endgroup}%
9273             \m@m@mmf@prepare}}
9274 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9275     \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
9276         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9277             \unvbox\@nameuse{@mpfootins#1}
9278             \def\baselinestretch{\m@m@footnote@spacing}%
9279             \reset@font\@nameuse{foottextfont#1}%
9280             \hsize\columnwidth \@parboxrestore
9281             \protected@edef\@currentlabel{%
9282                 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9283             \color@begingroup
9284                 \@nameuse{@tencolfootfmt#1}{##1}%
9285             \color@endgroup}\m@m@mmf@prepare}}
9286 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9287     \@namedef{@tencolfootfmt#1}##1{%
9288         \@preamtenfmt
9289         {\@nameuse{footfootmark#1}\strut
9290             {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9291 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9292     \@namedef{@tencol@footgroup#1}{%
9293         \def\baselinestretch{\m@m@footnote@spacing}%
9294         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9295         \m@m@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
9296 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9297     \@namedef{@mptencol@footgroup#1}{%
9298         \def\baselinestretch{\m@m@footnote@spacing}%
9299         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9300         \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
9301 \bidi@ensure@newcommand{\m@m@munvxh}[1]{%
9302     \setbox0=\vbox{\unvbox#1}
9303     \global\setbox1=\lastbox}%

```



```

9304 \unhbox1
9305 \unskip
9306 \unskip
9307 \unpenalty
9308 \hskip\m@mipn@skip}
9309 \bidi@ensure@newcommand{\m@mungebox}{%
9310 \setbox0=\hbox{\m@munvxh0}%
9311 \dp0=\z@
9312 \ht0=\footfudgefactor\wd0
9313 \box0
9314 \penalty0}
9315 \newskip\m@mipn@skip
9316 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
9317 {\foottextfont\global\m@mipn@skip=#1\relax}}
9318 \m@minterparanoteglua{1em plus.4em minus.4em}
9319 \ifpackageloaded{multicol}{%
9320 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9321 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9322 \hsize\textwidth%
9323 \setbox0=\hbox{}}%
9324 \loop
9325 \unpenalty
9326 \setbox2=\lastbox
9327 \ifhbox2
9328 \setbox0=\hbox{\box2\unhbox0}
9329 \repeat}
9330 }{%
9331 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9332 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9333 \setbox0=\hbox{}}%
9334 \loop
9335 \unpenalty
9336 \setbox2=\lastbox
9337 \ifhbox2
9338 \setbox0=\hbox{\box2\unhbox0}
9339 \repeat}}
9340 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
9341 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
9342 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
9343 \bidi@ensure@newcommand{\paragraphfootnotes}{%
9344 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9345 \let\@footnotetext\@parafootnotetext
9346 \let\@LTRfootnotetext\@paraLTRfootnotetext
9347 \let\@RTLfootnotetext\@paraRTLfootnotetext
9348 \dimen\footinsv@r=\footinsdim
9349 \count\footinsv@r=1000\relax
9350 \m@make@para@footgroup{v@r}%
9351 \let\@footgroupv@r\@para@footgroupv@r
9352 \let\@mpfootnotetext\@mpparafootnotetext
9353 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext

```



```

9354 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9355 \m@make@mppara@footgroup{v@r}%
9356 \let\mp@footgroupv@r\@mppara@footgroupv@r
9357 {\foottextfont
9358 \dimen0=\baselineskip
9359 \multiply\dimen0 by 1024
9360 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9361 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}
9362 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9363 \let\bidi@RTL@everypar\@empty%
9364 \def\baselinestretch{\m@m@footnote@spacing}%
9365 \reset@font\foottextfont
9366 \@preamfntext
9367 \protected@edef\@currentlabel{%
9368 \csname p@footnote\endcsname\@thefnmark}%
9369 \setbox0=\vbox{\hsize=\maxdimen
9370 \color@begingroup
9371 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9372 \color@endgroup}%
9373 \m@mungebox}\m@mmf@prepare}
9374 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
9375 \let\bidi@RTL@everypar\@empty%
9376 \def\baselinestretch{\m@m@footnote@spacing}%
9377 \reset@font\LTRfoottextfont
9378 \@preamfntext
9379 \protected@edef\@currentlabel{%
9380 \csname p@footnote\endcsname\@thefnmark}%
9381 \setbox0=\vbox{\hsize=\maxdimen
9382 \color@begingroup
9383 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9384 \color@endgroup}%
9385 \m@mungebox}\m@mmf@prepare}
9386 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
9387 \let\bidi@RTL@everypar\@empty%
9388 \def\baselinestretch{\m@m@footnote@spacing}%
9389 \reset@font\RTLfoottextfont
9390 \@preamfntext
9391 \protected@edef\@currentlabel{%
9392 \csname p@footnote\endcsname\@thefnmark}%
9393 \setbox0=\vbox{\hsize=\maxdimen
9394 \color@begingroup
9395 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9396 \color@endgroup}%
9397 \m@mungebox}\m@mmf@prepare}
9398 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
9399 \parindent=\z@
9400 \parfillskip=0pt \@plus 1fil
9401 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9402 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
9403 \parindent=\z@

```



```

9404 \parfillskip=Opt \@plus 1fil
9405 {\footfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9406 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
9407 \parindent=\z@
9408 \parfillskip=Opt \@plus 1fil
9409 {\footfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9410 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9411 \global\setbox\@mpfootinsv@r\vbox{%
9412 \let\bidi@RTL@everypar\@empty%
9413 \unvbox\@mpfootinsv@r
9414 \def\baselinestretch{\m@m@footnote@spacing}%
9415 \reset@font\foottextfont
9416 \hsize\columnwidth \@parboxrestore
9417 \protected@edef\@currentlabel{%
9418 \csname p@mpfootnote\endcsname\@thefnmark}%
9419 \setbox0=\vbox{\hsize=\maxdimen
9420 \color@begingroup
9421 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9422 \color@endgroup}}%
9423 \m@mungebox}\m@mmf@prepare}
9424 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9425 \global\setbox\@mpfootinsv@r\vbox{%
9426 \let\bidi@RTL@everypar\@empty%
9427 \unvbox\@mpfootinsv@r
9428 \def\baselinestretch{\m@m@footnote@spacing}%
9429 \reset@font\LTRfoottextfont
9430 \hsize\columnwidth \@parboxrestore
9431 \protected@edef\@currentlabel{%
9432 \csname p@mpfootnote\endcsname\@thefnmark}%
9433 \setbox0=\vbox{\hsize=\maxdimen
9434 \color@begingroup
9435 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9436 \color@endgroup}}%
9437 \m@mungebox}\m@mmf@prepare}
9438 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9439 \global\setbox\@mpfootinsv@r\vbox{%
9440 \let\bidi@RTL@everypar\@empty%
9441 \unvbox\@mpfootinsv@r
9442 \def\baselinestretch{\m@m@footnote@spacing}%
9443 \reset@font\RTLfoottextfont
9444 \hsize\columnwidth \@parboxrestore
9445 \protected@edef\@currentlabel{%
9446 \csname p@mpfootnote\endcsname\@thefnmark}%
9447 \setbox0=\vbox{\hsize=\maxdimen
9448 \color@begingroup
9449 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9450 \color@endgroup}}%
9451 \m@mungebox}\m@mmf@prepare}
9452 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9453 \m@make@parafootnotetext{#1}%

```



```

9454 \m@make@mpparafootnotetext{#1}%
9455 \m@make@parafootfmt{#1}%
9456 \m@make@para@footgroup{#1}%
9457 \m@make@mppara@footgroup{#1}%
9458 \m@make@para@footstart{#1}%
9459 \bidi@namelongdef{@footnotetext#1}##1{%
9460   \@nameuse{@parafootnotetext#1}{##1}}%
9461 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9462   \@nameuse{@mpparafootnotetext#1}{##1}}%
9463 \@namedef{@footgroup#1}{\@nameuse{@para@footgroup#1}}%
9464 \@namedef{mp@footgroup#1}{\@nameuse{@mppara@footgroup#1}}%
9465 \@namedef{@footstart#1}{\@nameuse{@para@footstart#1}}%
9466 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9467 \expandafter\count\csname footins#1\endcsname=1000\relax
9468 {\@nameuse{foottextfont#1}%
9469   \dimen0=\baselineskip
9470   \multiply\dimen0 by 1024
9471   \divide\dimen0 by \hsize \multiply\dimen0 by 64
9472   \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}%
9473 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9474 \bidi@namelongdef{@parafootnotetext#1}##1{%
9475   \insert\@nameuse{footins#1}{
9476     \def\baselinestretch{\m@m@footnote@spacing}%
9477     \reset@font\@nameuse{foottextfont#1}%
9478     \@preamfntext
9479     \protected@edef\@currentlabel{%
9480       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9481     \setbox0=\vbox{\hsize=\maxdimen
9482       \color@begingroup
9483         \noindent \@nameuse{@parafootfmt#1}{##1}%
9484         \color@endgroup}%
9485     \m@ungebox}\m@mmf@prepare}}
9486 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9487 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
9488   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9489     \unvbox\@nameuse{@mpfootins#1}
9490     \def\baselinestretch{\m@m@footnote@spacing}%
9491     \reset@font\@nameuse{foottextfont#1}%
9492     \hsize\columnwidth \parboxrestore
9493     \protected@edef\@currentlabel{%
9494       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9495     \setbox0=\vbox{\hsize=\maxdimen
9496       \color@begingroup
9497         \noindent \@nameuse{@parafootfmt#1}{##1}%
9498         \color@endgroup}%
9499     \m@ungebox}\m@mmf@prepare}}
9500 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9501 \bidi@namelongdef{@parafootfmt#1}##1{%
9502   \parindent=\z@
9503   \parfillskip=0pt \@plus 1fil

```



```

9504 {\@nameuse{footfootmark#1}\strut
9505 {\@nameuse{foottextfont#1}##1}\penalty-10}}
9506 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9507 \@namedef{@para@footgroup#1}{%
9508 \unvbox\@nameuse{footins#1}
9509 \m@mmakehboxofhboxes
9510 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9511 \@nameuse{foottextfont#1}%
9512 \noindent\unhbox0\par}}
9513 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9514 \@namedef{@mppara@footgroup#1}{%
9515 \unvbox\@nameuse{mpfootins#1}
9516 \m@mmakehboxofhboxes
9517 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9518 \@nameuse{foottextfont#1}%
9519 \noindent\unhbox0\par}}
9520 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9521 \@namedef{@para@footstart#1}{%
9522 \vskip\bigskipamount
9523 \leftskip=\z@
9524 \rightskip=\z@
9525 \parindent=\z@
9526 \vskip\skip\@nameuse{footins#1}%
9527 \footnoterule}}
9528 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
9529 \xdef\@freelist{\@freelist\@midlist}%
9530 \global\let\@midlist\@empty
9531 \@combinefloats}
9532 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
9533 \ifvbox\@kludgeins
9534 \@makespecialcolbox
9535 \else
9536 \setbox\@outputbox \vbox to\@colht{%
9537 \@texttop
9538 \dimen@ \dp\@outputbox
9539 \unvbox \@outputbox
9540 \vskip -\dimen@
9541 \@textbottom}%
9542 \fi}
9543 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
9544 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
9545 \boxmaxdepth\@maxdepth
9546 \@tempdima\dp\@cclv
9547 \unvbox\@cclv
9548 \vskip-\@tempdima
9549 \vskip \skip\footins
9550 \color@begingroup
9551 \normalcolor
9552 \footnoterule
9553 \unvbox \footins

```



```

9554 \color@endgroup}}
9555 \bidi@ensure@newcommand*{\m@mopsidebar}{%
9556 \ifvoid\sideins\else
9557 \setbox\@outputbox \vbox{%
9558 \sidecontents
9559 \unvbox\@outputbox}
9560 \fi}
9561 \gdef\mem@makecol{%
9562 \m@m@makecolintro
9563 \ifvoid\footins
9564 \setbox\@outputbox \box\@cclv
9565 \else
9566 \m@mopfootnote
9567 \fi
9568 \m@m@doextrafeet
9569 \m@m@makecolfloats
9570 \m@m@mopsidebar
9571 \m@m@makecoltext
9572 \global \maxdepth \@maxdepth}
9573 \bidi@ensure@newcommand{\feetabovelfloat}{\gdef\@makecol{\mem@makecol}}
9574 \feetabovelfloat%

```

7.55 extreport-xetex-bidi.def

```

9575 \ProvidesFile{extreport-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extreport class for
9576 \renewcommand*\l@part[2]{%
9577 \ifnum \c@tocdepth >-2\relax
9578 \addpenalty{-\@highpenalty}%
9579 \addvspace{2.25em \@plus\p@}%
9580 \begingroup
9581 \setlength\@tempdima{3em}%
9582 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9583 \parfillskip -\@pnumwidth
9584 {\leavevmode
9585 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9586 \nobreak
9587 \global\@nbreaktrue
9588 \everypar{\global\@nbreakfalse\everypar{}}%
9589 \endgroup
9590 \fi}
9591 \renewcommand*\l@chapter[2]{%
9592 \ifnum \c@tocdepth >\m@ne
9593 \addpenalty{-\@highpenalty}%
9594 \vskip 1.0em \@plus\p@
9595 \setlength\@tempdima{1.5em}%
9596 \begingroup
9597 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9598 \parfillskip -\@pnumwidth
9599 \leavevmode \bfseries
9600 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima

```



```

g601      \hskip -\if@RTL\righskip\else\leftskip\fi
g602      #1\nobreak\hfil \nobreak\hb@xt@{@pnumwidth{\hss #2}\par
g603      \penalty\@highpenalty
g604      \endgroup
g605      \fi}
g606 \def\@makechapterhead#1{%
g607   \vspace*{50\p@}%
g608   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
g609     \ifnum \c@secnumdepth >\m@ne
g610       \huge\bfseries \@chapapp\space \thechapter
g611       \par\nobreak
g612       \vskip 20\p@
g613     \fi
g614     \interlinepenalty\@M
g615     \Huge \bfseries #1\par\nobreak
g616     \vskip 40\p@
g617   }}
g618 \def\@makeschapterhead#1{%
g619   \vspace*{50\p@}%
g620   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
g621     \normalfont
g622     \interlinepenalty\@M
g623     \Huge \bfseries #1\par\nobreak
g624     \vskip 40\p@
g625   }}
g626 \renewcommand\left@footnoterule{%
g627   \kern-3\p@
g628   \hrule\@width.4\columnwidth
g629   \kern2.6\p@}
g630 \renewcommand\right@footnoterule{%
g631   \kern-3\p@
g632   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
g633   \kern2.6\p@}
g634 \renewenvironment{thebibliography}[1]
g635   {\chapter*{\bibname
g636     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
g637   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
g638     \list{\@biblabel{\@arabic\c@enumiv}}%
g639       {\settowidth\labelwidth{\@biblabel{#1}}%
g640        \leftmargin\labelwidth
g641        \advance\leftmargin\labelsep
g642        \@openbib@code
g643        \usecounter{enumiv}%
g644        \let\p@enumiv\@empty
g645        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
g646     \sloppy\clubpenalty4000\widowpenalty4000%
g647     \sfcode`.\@m}
g648   {\def\@noitemerr
g649     {\@latex@warning{Empty `thebibliography' environment}}%
g650     \endlist}

```




```

9651 \if@titlepage
9652 \renewcommand\maketitle{\begin{titlepage}%
9653 \let\footnotesize\small
9654 \let\right@footnoterule\relax
9655 \let\left@footnoterule\relax
9656 \let\textwidth\footnoterule\relax
9657 \let \footnote \thanks
9658 \null\vfil
9659 \vskip 60\p@
9660 \begin{center}%
9661   {\LARGE \@title \par}%
9662   \vskip 3em%
9663   {\large
9664     \lineskip .75em%
9665     \begin{tabular}[t]{c}%
9666       \@author
9667     \end{tabular}\par}%
9668     \vskip 1.5em%
9669     {\large \@date \par}%           % Set date in \large size.
9670 \end{center}\par
9671 \@thanks
9672 \vfil\null
9673 \end{titlepage}%
9674 \setcounter{footnote}{0}%
9675 \global\let\thanks\relax
9676 \global\let\maketitle\relax
9677 \global\let\@thanks\@empty
9678 \global\let\@author\@empty
9679 \global\let\@date\@empty
9680 \global\let\@title\@empty
9681 \global\let\title\relax
9682 \global\let\author\relax
9683 \global\let\date\relax
9684 \global\let\and\relax
9685 }
9686 \else
9687 \renewcommand\maketitle{\par
9688   \begingroup
9689     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9690     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9691     \long\def\@makefntext##1{\parindent 1em\noindent
9692       \hb@xt@1.8em{%
9693         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9694     \if@twocolumn
9695       \ifnum \col@number=\@ne
9696         \@maketitle
9697       \else
9698         \twocolumn[\@maketitle]%
9699       \fi
9700   \else

```



```

9701 \newpage
9702 \global\let\topnum\z@ % Prevents figures from going at top of page.
9703 \maketitle
9704 \fi
9705 \thispagestyle{plain}\@thanks
9706 \endgroup
9707 \setcounter{footnote}{0}%
9708 \global\let\thanks\relax
9709 \global\let\maketitle\relax
9710 \global\let\@maketitle\relax
9711 \global\let\@thanks\@empty
9712 \global\let\@author\@empty
9713 \global\let\@date\@empty
9714 \global\let\@title\@empty
9715 \global\let\title\relax
9716 \global\let\author\relax
9717 \global\let\date\relax
9718 \global\let\and\relax
9719 }
9720 \def\@maketitle{%
9721 \newpage
9722 \null
9723 \vskip 2em%
9724 \begin{center}%
9725 \let \footnote \thanks
9726 {\LARGE \@title \par}%
9727 \vskip 1.5em%
9728 {\large
9729 \lineskip .5em%
9730 \begin{tabular}[t]{c}%
9731 \@author
9732 \end{tabular}\par}%
9733 \vskip 1em%
9734 {\large \@date}%
9735 \end{center}%
9736 \par
9737 \vskip 1.5em}
9738 \fi
9739 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
9740 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9741 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
9742 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9743 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9744 \renewcommand\theequation{%
9745 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9746 \renewcommand\thefigure{%
9747 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
9748 \renewcommand\thetable{%
9749 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```



7.56 fancybox-xetex-bidi.def

```

9750 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
9751 \def\fancy@oval#1#2#3{%
9752   \boxmaxdepth \maxdimen
9753   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
9754   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
9755   \@ovxx#1\relax
9756   \advance\@ovxx-\@wholewidth
9757   \@ovyy#2\relax
9758   \advance\@ovyy-\@wholewidth
9759   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
9760   \advance\@tempdimb-2\p@
9761   \ifdim\@tempdimb>\the@cornersize\relax
9762     \@tempdimb=\the@cornersize
9763   \fi
9764   \@getcirc\@tempdimb
9765   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
9766   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
9767   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
9768   \circlefnt
9769   \setbox\@tempboxa\hbox{\beginL%
9770     \if@ovr \@ovvert32\kern -\@tempdima \fi
9771     \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
9772     \if@ovt \@ovhorz \kern -\@ovxx \fi
9773     \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
9774   \advance\@ovdx\@ovro
9775   \advance\@ovdy\@ovro
9776   \advance\@ovxx\@wholewidth
9777   \wd\@tempboxa=\@ovxx
9778   \dp\@tempboxa=\z@}

```

7.57 fancyhdr-xetex-bidi.def

```

9779 \ProvidesFile{fancyhdr-xetex-bidi.def}[2012/04/18 v0.4 bidi adaptations for fancyhdr package for
9780 \let\fnch@everypar\everypar%
9781 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
9782   \@fancyvbox\headheight{\hbox
9783     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
9784       \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else
9785       \llap{\parbox[b]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma
9786 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
9787   \@fancyvbox\footskip{\footrule
9788     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
9789       \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\els
9790       \llap{\parbox[t]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma

```

7.58 fix2col-xetex-bidi.def

```

9791 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for X
9792 \def\RTL@outputdblcol{%
9793   \if@firstcolumn

```



```

9794 \global\@firstcolumnfalse
9795 \global\setbox\@leftcolumn\copy\@outputbox
9796 \splitmaxdepth\maxdimen
9797 \vbadness\maxdimen
9798 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9799 \toks@expandafter{\topmark}%
9800 \xdef\@firstcoltopmark{\the\toks@}%
9801 \toks@expandafter{\splitfirstmark}%
9802 \xdef\@firstcolfirstmark{\the\toks@}%
9803 \ifx\@firstcolfirstmark\@empty
9804 \global\let\@setmarks\relax
9805 \else
9806 \gdef\@setmarks{%
9807 \let\firstmark\@firstcolfirstmark
9808 \let\topmark\@firstcoltopmark}%
9809 \fi
9810 \else \global\@firstcolumntrue
9811 \setbox\@outputbox \vbox {\hbox to\textwidth {%
9812 \hskip \columnwidth
9813 \hfil \vrule width\columnseprule \hfil
9814 \hbox to\columnwidth {\box\@leftcolumn \hss}%
9815 \hskip -\textwidth
9816 \hbox to\columnwidth{\box\@outputbox \hss}%
9817 \hskip \columnsep
9818 \hskip \columnwidth }}%
9819 \@combinedblfloats \@setmarks \@outputpage
9820 \begingroup \@dblfloatplacement \@startdblcolumn
9821 \@whilsw\if@fcolmade \fi
9822 {\@outputpage \@startdblcolumn }\endgroup
9823 \fi}
9824 \def\LTR@outputdblcol{%
9825 \if@firstcolumn
9826 \global\@firstcolumnfalse
9827 \global\setbox\@leftcolumn\copy\@outputbox
9828 \splitmaxdepth\maxdimen
9829 \vbadness\maxdimen
9830 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9831 \toks@expandafter{\topmark}%
9832 \xdef\@firstcoltopmark{\the\toks@}%
9833 \toks@expandafter{\splitfirstmark}%
9834 \xdef\@firstcolfirstmark{\the\toks@}%
9835 \ifx\@firstcolfirstmark\@empty
9836 \global\let\@setmarks\relax
9837 \else
9838 \gdef\@setmarks{%
9839 \let\firstmark\@firstcolfirstmark
9840 \let\topmark\@firstcoltopmark}%
9841 \fi
9842 \else
9843 \global\@firstcolumntrue

```



```

9844 \setbox\@outputbox\vbox{%
9845 \hb@xt@\textwidth{%
9846 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
9847 \hfil
9848 \vrule \columnwidth\columnseprule
9849 \hfil
9850 \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
9851 \@combinedblfloats
9852 \@setmarks
9853 \@outputpage
9854 \begingroup
9855 \dblfloatplacement
9856 \startdblcolumn
9857 \whilesw@ifcolmade \fi{\@outputpage\startdblcolumn}%
9858 \endgroup
9859 \fi}

```

7.59 fleqn-xetex-bidi.def

```

9860 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX eng
9861 \renewcommand\[{ \relax
9862 \ifmmode\@badmath
9863 \else
9864 \begin{trivlist}%
9865 \beginparpenalty\predisplaypenalty
9866 \endparpenalty\postdisplaypenalty
9867 \item[]\leavevmode
9868 \hb@xt@\linewidth\group \beginL$\m@th\displaystyle %$
9869 \hskip\mathindent\group
9870 \fi}
9871 \renewcommand\]{ \relax
9872 \ifmmode
9873 \egroup $\hfil% $
9874 \endL\egroup
9875 \end{trivlist}%
9876 \else \@badmath
9877 \fi}
9878 \renewenvironment{equation}%
9879 {\beginparpenalty\predisplaypenalty
9880 \endparpenalty\postdisplaypenalty
9881 \refstepcounter{equation}%
9882 \trivlist \item[]\leavevmode
9883 \hb@xt@\linewidth\group\beginL $\m@th% $
9884 \displaystyle
9885 \hskip\mathindent}%
9886 {$\hfil % $
9887 \displaywidth\linewidth\hbox{\@eqnnum}%
9888 \endL\egroup
9889 \endtrivlist}

```



7.60 float-xetex-bidi.def

```
9890 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
9891 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
9892 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
9893 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
9894 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
9895 \expandafter\edef\csname the#1\endcsname{%
9896 \expandafter\noexpand\csname
9897 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
9898 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}
```

7.61 floatrow-xetex-bidi.def

```
9900 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeTeX]
9901 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
9902 \expandafter\edef\csname the\FB@captype\endcsname{%
9903 \expandafter\noexpand\csname
9904 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}
```

7.62 flowfram-xetex-bidi.def

```
9904 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for XeTeX]
9905 \def\@outputdblcol{%
9906 \@nxtcol=\c@thisframe
9907 \c@curpg=\c@page
9908 \@g@tnextcol{\@nxtcol}%
9909 \ifff@nwpg % next flow frame starts on new page
9910 \global\@firstcolumntrue
9911 \setcolbox\c@thisframe
9912 \if@specialpage
9913 \global\@specialpagefalse
9914 \nameuse{ps@\@specialstyle}\relax
9915 \fi
9916 \if@twoside
9917 \ifodd\count\z@
9918 \let\@thehead\@oddhead
9919 \let\@thefoot\@oddfoot
9920 \else
9921 \let\@thehead\@evenhead
9922 \let\@thefoot\@evenfoot
9923 \fi
9924 \else
9925 \let\@thehead\@oddhead
9926 \let\@thefoot\@oddfoot
9927 \fi
9928 \@begindvi
9929 \@dodynamicthehead\@dodynamicthefoot
9930 \vbadness=\@M
9931 \setbox\@outputbox\vbbox{\hbox to \textwidth{\@ff@do@allframes}}%
9932 \@combinedblfloats
9933 \outputpage
```



```

9934 \advance\c@curpg by -\c@page\relax
9935 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
9936 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}}%
9937 \@outputpage}
9938 \begingroup
9939 \dblfloatplacement
9940 \startdblcolumn
9941 \@whilesw \if@colmade \fi
9942 {\@outputpage \@startdblcolumn }\endgroup
9943 \@resetst@tics
9944 \@resetdyn@mics
9945 \else % still on same page, save contents of box255
9946 \global\@firstcolumnfalse
9947 \@setcolbox\c@thisframe
9948 \fi
9949 \global\c@thisframe=\@nxtcol
9950 \@setcol{\c@thisframe}\relax
9951 \global\@colht\vsiz
9952 }
9953 \def\@outputpage{%
9954 \begingroup
9955 \let\protect\noexpand
9956 \@resetactivechars
9957 \global\let\@@if@newlist\if@newlist
9958 \global\@newlistfalse\@parboxrestore
9959 \shipout\vbox{\set@typeset@protect
9960 \aftergroup
9961 \endgroup
9962 \aftergroup
9963 \set@typeset@protect
9964 \reset@font\normalsize\normalsfcodes
9965 \let\label\@gobble
9966 \let\index\@gobble
9967 \let\glossary\@gobble
9968 \baselineskip\z@skip
9969 \lineskip\z@skip
9970 \lineskiplimit\z@
9971 \vskip\topmargin\moveright\@themargin
9972 \vbox{%
9973 \vskip\headheight
9974 \vskip\headsep
9975 \box\@outputbox
9976 }}%
9977 \global\let\if@newlist\@@if@newlist
9978 \stepcounter{page}%
9979 \setcounter{displayedframe}{0}%
9980 \let\firstmark\botmark}
9981
9982
9983 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}{}}%

```



```

9984 \expandafter\bidicolor\ff@txtcol}}
9985
9986 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
9987 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
9988
9989
9990 \renewcommand*{\@docolbox}[1]{%
9991 \edef\ff@frametype{%
9992 \csname @ff@frametype@\romannumeral#1\endcsname}%
9993 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
9994 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
9995 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
9996 \@ff@setoffset{#1}%
9997 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
9998 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
9999 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10000 {\csname colheight\romannumeral#1\endcsname}{%
10001 \expandafter\box\csname column\romannumeral#1\endcsname}{%
10002 \csname\ff@frametype\endcsname}%
10003 }{%
10004 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10005 {\csname colheight\romannumeral#1\endcsname}{%
10006 \expandafter\box\csname column\romannumeral#1\endcsname}%
10007 }}}
10008 \@ifclassloaded{book}{%
10009 \renewcommand\theequation
10010 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10011 \renewcommand \thefigure
10012 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10013 \renewcommand \thetable
10014 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10015 \renewcommand \thechapter {\@arabic\c@chapter}
10016 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10017 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10018 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10019 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10020 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10021 \@ifclassloaded{report}{%
10022 \renewcommand\theequation
10023 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10024 \renewcommand \thefigure
10025 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10026 \renewcommand \thetable
10027 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10028 \renewcommand \thechapter {\@arabic\c@chapter}
10029 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10030 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10031 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10032 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10033 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}

```




```

10034 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10035 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10036 \else
10037 #2\relax
10038 \fi}

```

7.63 footnote-xetex-bidi.def

```

10039 \ProvidesFile{footnote-xetex-bidi.def}[2015/11/14 v0.9 bidi footnote macros for XeTeX engine]
10040 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10041 \newif\ifbidi@autofooterule
10042 \def\bidi@mpfootnoterule{\footnoterule}
10043 \newcounter{footdir@label}
10044 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
10045 \newcommand*{\footdir@write}{%
10046   \stepcounter{footdir@label}%
10047   \zref@labelbyprops{\thefootdir@label}{abspage}%
10048 }
10049 \newif\iffootdir@debug
10050 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10051 \newtoks\footdir@toks
10052 \newcommand*{\footdir@debug}[1]{%
10053   \iffootdir@debug
10054     \typeout{[footdir] #1}%
10055   \fi
10056 }
10057 \@ifpackagelater{zref-abspage}{2012/10/27}{%
10058   \newcommand*{\footdir@LeftRightElse}{%
10059     \ltx@ifundefined{footdir@the\value{zabspage}}{%
10060       \footdir@debug{abspage \the\value{zabspage}: else}%
10061       \ltx@thirdofthree
10062     }{%
10063       \if\csname footdir@the\value{zabspage}\endcsname L%
10064         \footdir@debug{abspage \the\value{zabspage}: left}%
10065         \expandafter\ltx@firstofthree
10066       \else
10067         \footdir@debug{abspage \the\value{zabspage}: right}%
10068         \expandafter\ltx@secondofthree
10069       \fi
10070     }%
10071   }%
10072 }{%
10073   \providecommand*{\c@zabspage}{\c@abspage}%
10074   \newcommand*{\footdir@LeftRightElse}{%
10075     \footdir@write
10076     \zifrefundefined{\thefootdir@label}{%
10077       \footdir@debug{abspage ??: else}%
10078       \ltx@thirdofthree
10079     }{%
10080       \edef\footdir@abspage{%

```



```

10081      \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10082    }%
10083    \ltx@ifundefined{footdir@\footdir@abspage}{%
10084      \footdir@debug{\footdir@abspage: else}%
10085      \ltx@thirdofthree
10086    }{%
10087      \if\csname footdir@\footdir@abspage\endcsname L%
10088        \footdir@debug{\footdir@abspage: left}%
10089        \expandafter\ltx@firstofthree
10090      \else
10091        \footdir@debug{\footdir@abspage: right}%
10092        \expandafter\ltx@secondofthree
10093      \fi
10094    }%
10095  }%
10096 }%
10097 }
10098 \newcommand*{\footdir@fntext}[1]{%
10099   \zifrefundefined{\thefootdir@label}{%
10100     }{%
10101       \edef\footdir@name{%
10102         footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10103       }%
10104       \@ifundefined{\footdir@name}{%
10105         \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10106       }{%
10107       }%
10108 }
10109
10110 \newcommand*{\footdir@temp}[3]{%
10111   \@ifdefinable{#1}{%
10112     \let#1#2%
10113     \renewcommand{#2}[1]{%
10114       \footdir@write
10115       \footdir@fntext{#3}%
10116       \stepcounter{footdir@label}%
10117       \footdir@fntext{#3}%
10118       \footdir@toks{##1}%
10119       \footdir@toks\expandafter{%
10120         \the\expandafter\footdir@toks
10121         \expandafter
10122         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10123       }%
10124       \expandafter#1\expandafter{\the\footdir@toks}%
10125     }%
10126   }%
10127 }
10128
10129 \def\right@footnoterule{%
10130   \kern-3\p@

```



```

10131 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10132 \kern2.6\p@}
10133 \def\left@footnoterule{\kern-3\p@
10134 \hrule \@width .4\columnwidth \kern 2.6\p@}
10135 \def\textwidth@footnoterule{\kern-3\p@
10136 \hrule \@width \columnwidth \kern 2.6\p@}
10137 \def\leftfootnoterule{%
10138 \bidi@autofootnoterulefalse%
10139 \def\footnoterule{\left@footnoterule}}
10140 \let\LRfootnoterule=\leftfootnoterule
10141 \def\rightfootnoterule{%
10142 \bidi@autofootnoterulefalse%
10143 \def\footnoterule{\right@footnoterule}}
10144 \def\textwidthfootnoterule{%
10145 \bidi@autofootnoterulefalse%
10146 \def\footnoterule{\textwidth@footnoterule}}
10147
10148
10149
10150 \def\auto@footnoterule{%
10151 \footdir@LeftRightElse%
10152 \left@footnoterule%
10153 \right@footnoterule%
10154 \left@footnoterule%
10155 }
10156
10157
10158
10159 \def\autofootnoterule{%
10160 \bidi@autofootnoteruletrue%
10161 \def\footnoterule{\auto@footnoterule}%
10162 }
10163
10164 \newcommand*\SplitFootnoteRule{%
10165 \gdef\split@prev{0}
10166 \let\pagefootnoterule\footnoterule
10167 \let\mpfootnoterule\footnoterule
10168 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10169 \def\footnoterule{\relax
10170 \ifx \@listdepth\@mplistdepth
10171 \mpfootnoterule
10172 \else
10173 \ifnum\split@prev=\z@
10174 \pagefootnoterule
10175 \else
10176 \splitfootnoterule
10177 \fi
10178 \xdef\split@prev{\the\insertpenalties}%
10179 \fi
10180 }%

```



```

10181 }
10182
10183
10184
10185
10186 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10187     \protected@xdef\@thefnmark{\thempfn}%
10188     \@footnotemark\@RTLfootnotetext}}
10189 \def\@xRTLfootnote[#1]{%
10190     \begingroup
10191         \csname c@\@mpfn\endcsname #1\relax
10192         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10193     \endgroup
10194     \@footnotemark\@RTLfootnotetext}
10195 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10196     \protected@xdef\@thefnmark{\thempfn}%
10197     \@footnotemark\@LTRfootnotetext}}
10198 \def\@xLTRfootnote[#1]{%
10199     \begingroup
10200         \csname c@\@mpfn\endcsname #1\relax
10201         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10202     \endgroup
10203     \@footnotemark\@LTRfootnotetext}
10204
10205
10206 \def\setfootnoteRL{\@RTL@footnotetrue}
10207 \def\unsetfootnoteRL{\@RTL@footnotefalse}
10208 \def\setfootnoteLR{\unsetfootnoteRL}
10209
10210 \long\def\@footnotetext#1{\insert\footins{%
10211     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10212     \reset@font\footnotesize
10213     \interlinepenalty\interfootnotelinepenalty
10214     \splittopskip\footnotesep
10215     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10216     \hsize\columnwidth \@parboxrestore
10217     \protected@edef\@currentlabel{%
10218         \csname p@footnote\endcsname\@thefnmark
10219     }%
10220     \color@begingroup
10221         \@makefntext{%
10222             \rule{z@\footnotesep}{\ignorespaces#1\@finalstrut\strutbox}}%
10223     \color@endgroup}}}%
10224
10225
10226 \long\def\@RTLfootnotetext#1{\insert\footins{%
10227     \@RTLtrue%
10228     \reset@font\footnotesize
10229     \interlinepenalty\interfootnotelinepenalty
10230     \splittopskip\footnotesep

```



```

10231 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10232 \hsize\columnwidth \@parboxrestore
10233 \protected@edef\@currentlabel{%
10234     \csname p@footnote\endcsname\@thefnmark
10235 }%
10236 \color@begingroup
10237     \@makefntext{%
10238         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10239 \color@endgroup}}%
10240
10241 \long\def\@LTRfootnotetext#1{\insert\footins{%
10242     \@RTLfalse%
10243     \reset@font\footnotesize
10244     \interlinepenalty\interfootnotelinepenalty
10245     \splittopskip\footnotesep
10246     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10247     \hsize\columnwidth \@parboxrestore
10248     \protected@edef\@currentlabel{%
10249         \csname p@footnote\endcsname\@thefnmark
10250     }%
10251     \color@begingroup
10252         \@makefntext{%
10253             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10254     \color@endgroup}}%
10255
10256 \AtBeginDocument{%
10257 \if@RTL@footnote
10258     \newcommand*{\bidi@footdir@footnote}{R}
10259 \else
10260     \newcommand*{\bidi@footdir@footnote}{L}
10261 \fi%
10262 }
10263
10264 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10265 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10266 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10267
10268 \long\def\@mpRTLfootnotetext#1{%
10269     \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footno
10270     \global\setbox\@mpfootins\vbox{\@RTLtrue%
10271         \unvbox\@mpfootins
10272         \reset@font\footnotesize
10273         \hsize\columnwidth
10274         \@parboxrestore
10275         \protected@edef\@currentlabel
10276             {\csname p@mpfootnote\endcsname\@thefnmark}%
10277         \color@begingroup
10278             \@makefntext{%
10279                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10280         \color@endgroup}}

```



```

10281 \long\def\@mpLTRfootnotetext#1{%
10282 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnote
10283 \global\setbox\@mpfootins\vbox{\@RTLfalse%
10284 \unvbox\@mpfootins
10285 \reset@font\footnotesize
10286 \hsize\columnwidth
10287 \@parboxrestore
10288 \protected@edef\@currentlabel
10289 {\csname p@mpfootnote\endcsname\@thefnmark}%
10290 \color@begingroup
10291 \makefnintext{%
10292 \rule\z@{footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
10293 \color@endgroup}}
10294 \long\def\@mpfootnotetext#1{%
10295 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
10296 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10297 \unvbox\@mpfootins
10298 \reset@font\footnotesize
10299 \hsize\columnwidth
10300 \@parboxrestore
10301 \protected@edef\@currentlabel
10302 {\csname p@mpfootnote\endcsname\@thefnmark}%
10303 \color@begingroup
10304 \makefnintext{%
10305 \rule\z@{footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
10306 \color@endgroup}}
10307 \def\@iiiminipage#1#2[#3]#4{%
10308 \leavevmode
10309 \@pboxswfalse
10310 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
10311 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10312 \setlength\@tempdima{#4}%
10313 \def\@mpargs{{#1}{#2}[#3]{#4}}%
10314 \setbox\@tempboxa\vbox\bgroup
10315 \color@begingroup
10316 \hsize\@tempdima
10317 \textwidth\hsize \columnwidth\hsize
10318 \@parboxrestore
10319 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10320 \let\@footnotetext\@mpfootnotetext
10321 \let\@LTRfootnotetext\@mpLTRfootnotetext
10322 \let\@RTLfootnotetext\@mpRTLfootnotetext
10323 \let\@listdepth\@mplistdepth \@mplistdepth\z@
10324 \@minipagerestore
10325 \@setminipage}
10326 \def\endminipage{%
10327 \par
10328 \unskip
10329 \ifvoid\@mpfootins\else
10330 \vskip\skip\@mpfootins

```



```

10331 \normalcolor
10332 \bidi@mpfootnoterule
10333 \unvbox\@mpfootins
10334 \fi
10335 \@minipagefalse %% added 24 May 89
10336 \color@endgroup
10337 \egroup
10338 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10339 \def\LTRthanks#1{\footnotemark
10340 \protected@xdef\@thanks{\@thanks
10341 \protect\LTRfootnotetext[\the\c@footnote]{#1}}}%
10342 }
10343 \def\LTRfootnotetext{%
10344 \@ifnextchar [\@xLTRfootnotenext
10345 {\protected@xdef\@thefnmark{\thempfn}%
10346 \@LTRfootnotetext}}
10347 \def\@xLTRfootnotenext[#1]{%
10348 \begingroup
10349 \csname c@\@mpfn\endcsname #1\relax
10350 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10351 \endgroup
10352 \@LTRfootnotetext}
10353 \def\RTLthanks#1{\footnotemark
10354 \protected@xdef\@thanks{\@thanks
10355 \protect\RTLfootnotetext[\the\c@footnote]{#1}}}%
10356 }
10357 \let\@thanks\@empty
10358 \def\RTLfootnotetext{%
10359 \@ifnextchar [\@xRTLfootnotenext
10360 {\protected@xdef\@thefnmark{\thempfn}%
10361 \@RTLfootnotetext}}
10362 \def\@xRTLfootnotenext[#1]{%
10363 \begingroup
10364 \csname c@\@mpfn\endcsname #1\relax
10365 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10366 \endgroup
10367 \@RTLfootnotetext}
10368 \leftfootnoterule

```

7.64 framed-xetex-bidi.def

```

10369 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
10370 \renewcommand\TitleBarFrame[3][\begingroup
10371 \ifx\delimiter#1\delimiter
10372 \let\TF@conlab\@empty
10373 \else
10374 \def\TF@conlab{% continuation label
10375 \nointerlineskip
10376 \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
10377 \fi

```



```

10378 %\let\TF@savecolor\current@color
10379 \textcolor{TFFrameColor}{%
10380 \CustomFBox
10381   {\TF@Title{#2}}{\TF@conlab}%
10382   \fboxrule\fboxrule\fboxrule\fboxrule
10383   %{\let\current@color\TF@savecolor\set@color #3}%
10384   {\normalcolor #3}%
10385 } \endgroup
10386 }
10387 \renewenvironment{titled-frame}[1]{%
10388   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
10389     \TitleBarFrame{\textbf{#1}}}%
10390   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
10391     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
10392   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
10393     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont)}}%
10394   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
10395     \TitleBarFrame{\textbf{#1\ (cont)}}}%
10396   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
10397 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10398 % could interfere with the width measurement.
10399 {\endMakeFramed}
10400 \chardef\FrameRestore=\catcode`\| % for debug
10401 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
10402 \def\fb@put@frame#1#2{\relax
10403   \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
10404   \message{===== Entering putframe =====^~J
10405   \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
10406   \ifinner
10407     \fb@putboxa#1%
10408     \fb@afterframe
10409   \else
10410     \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
10411     \ifdim\dimen@<2\baselineskip % Too little room on page
10412     | \message{Page has only \the\dimen@\space room left; eject. }%
10413     | \eject \fb@adjheight \fb@put@frame#1#2%
10414     \else % there's appreciable room left on the page
10415       \fb@sizeofframe#1%
10416       | \message{\string\pagetotal=\the\pagetotal,
10417       | \string\pagegoal=\the\pagegoal,
10418       | \string\pagestretch=\the\pagestretch,
10419       | \string\pageshrink=\the\pageshrink,
10420       | \string\fb@frh=\the\fb@frh. \space}
10421       | \message{^^JBox of size \the\ht\@tempboxa\space}%
10422       \begingroup % temporarily set \dimen@ to be...
10423       \advance\dimen@.8\pageshrink % maximum space available on page
10424       \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10425 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10426       \expandafter\endgroup
10427       % expand \ifdim, then restore \dimen@ to real room left on page

```




```

10428 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
10429 | \message{fits in \the\dimen@. }%
10430 % ToDo: Change this to use vsplit anyway to capture the marks
10431 % MERGE THIS WITH THE else CLAUSE!!!
10432 \fb@putboxa#1%
10433 \fb@afterframe
10434 \else % box must be split
10435 | \message{must be split to fit in \the\dimen@. }%
10436 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10437 \fb@sizeofframe#2%
10438 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10439 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10440 \kern137sp\kern-137sp\penalty-30
10441 \unvbox\@tempboxa}%
10442 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10443 \splittopskip\the\splittopskip}%
10444 \boxmaxdepth\z@ \splittopskip\z@
10445 | \message{^^J Padded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
10446 % Split box here
10447 \setbox\tw@\vsplit\@tempboxa to\dimen@
10448 | \toks99\expandafter{\splitfirstmark}%
10449 | \toks98\expandafter{\splitbotmark}%
10450 | \message{Marks are: \the\toks99, \the\toks98. }%
10451 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
10452 | \message{Natural height of split box is \the\ht\tw@, leaving
10453 | \the\ht\@tempboxa\space remainder. }%
10454 % If the split-to size > (\vsize-\topskip), then set box to full size.
10455 \begingroup
10456 \advance\dimen@\topskip
10457 \expandafter\endgroup
10458 \ifdim\dimen@>\pagegoal
10459 | \message{Frame is big -- Use up the full column. }%
10460 \dimen@ii\pagegoal
10461 \advance\dimen@ii -\topskip
10462 \advance\dimen@ii \FrameHeightAdjust\relax
10463 \else % suspect this is implemented incorrectly:
10464 % If the split-to size > feasible room_on_page, rebox it smaller.
10465 \advance\dimen@.8\pageshrink
10466 \ifdim\ht\tw@>\dimen@
10467 | \message{Box too tall; rebox it to \the\dimen@. }%
10468 \dimen@ii\dimen@
10469 \else % use natural size
10470 \dimen@ii\ht\tw@
10471 \fi
10472 \fi
10473 % Re-box contents to desired size \dimen@ii
10474 \advance\dimen@ii -\fb@frh
10475 \setbox\tw@\vbox to\dimen@ii \bgroup
10476 % remove simulated frame and page flexibility:
10477 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink

```



```

10478      \unvbox\tw@ \unpenalty\unpenalty
10479      \ifdim\lastkern=-137sp % whole box went to next page
10480 |      \message{box split at beginning! }%
10481      % need work here???
10482      \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10483      \fb@adjheight
10484      \fb@put@frame#1#2% INSERTED ???
10485      \else % Got material split off at the head
10486      \egroup \fb@resto@set
10487      \ifvoid\@tempboxa % it all fit after all
10488 |      \message{box split at end! }%
10489      \setbox\@tempboxa\box\tw@
10490      \fb@putboxa#1%
10491      \fb@afterframe
10492      \else % it really did split
10493 |      \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
10494      \ifdim\wd\tw@>\z@
10495      \wd\tw@\wd\@tempboxa
10496      \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
10497      \else
10498 |      \message{Zero width means likely blank. Don't frame it (guess)}%
10499      \box\tw@
10500      \fi
10501      \hrule \@height\z@ \@width\hsize
10502      \eject
10503      \fb@adjheight
10504      \fb@put@frame\LastFrameCommand\MidFrameCommand
10505      \fi\fi\fi\fi\fi
10506 }
10507 \def\fb@putboxa#1{%
10508   \ifvoid\@tempboxa
10509     \PackageWarning{framed}{Boxa is void -- discard it. }%
10510   \else
10511 |     \message{Frame and place boxa. }%
10512 |     %{\showoutput\showbox\@tempboxa}%
10513     \centerline{#1{\hboxL{\box\@tempboxa}}}%
10514   \fi
10515 }
10516 \catcode`\|=\FrameRestore
10517 \def\FrameRestore{%
10518   \let\if@nobreak\iffalse
10519   \let\if@noskipsec\iffalse
10520   \let\-\@dischyph
10521   \let\'\@acci\let\`\@accii\let\=\@acciii
10522   % \message{FrameRestore:
10523   %   \@totalleftmargin=\the \@totalleftmargin,
10524   %   \rightmargin=\the\rightmargin,
10525   %   \@listdepth=\the\@listdepth. }%
10526   % Test if we are in a list (or list-like paragraph)
10527   \ifnum \ifdim\@totalleftmargin>\z@ 1\fi

```



```

10528         \ifdim\rightmargin>\z@ 1\fi
10529         \ifnum\@listdepth>\z@ 1\fi 0>\z@
10530         % \message{In a list: \linewidth=\the\linewidth, \totalleftmargin=\the\totalleftmargin,
10531         % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10532         % \labelwidth=\the\labelwidth. }%
10533         \@setminipage % snug fit around the item
10534         % Now try to propagate changes of width from \hsize to list parameters.
10535         % This is deficient, but a more advanced way to indicate modification to text
10536         % dimensions is not (yet) provided; in particular, no separate left/right
10537         % adjustment.
10538         \advance\linewidth-\columnwidth \advance\linewidth\hsize
10539         \parshape\@ne \totalleftmargin \linewidth
10540     \else % Not in list
10541         \linewidth=\hsize
10542         %\message{No list, set \string\linewidth=\the\hsize. }%
10543     \fi
10544     \sloppy
10545 }

```

7.65 ftnright-xetex-bidi.def

```

10546 \ProvidesFile{ftnright-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for ftnright package for
10547 \def\LTR@outputdblcol{\if@firstcolumn
10548     \global\@firstcolumnfalse
10549     \global\setbox\@leftcolumn\box\@outputbox
10550     \global\count\footins\@m
10551     \global\skip\footins\rcol@footinsskip
10552 \else \preparefootins
10553     \global\@firstcolumntrue
10554     \setbox\@outputbox\vbox{\hbox to\textwidth
10555         {\hbox to\columnwidth
10556             {\box\@leftcolumn\hss}}%
10557         \hfil\vrule\@width\columnseprule\hfil
10558         \hbox to\columnwidth
10559             {\box\@outputbox\hss}}}%
10560     \@combinedblfloats\@outputpage
10561     \begingroup
10562     \@dblfloatplacement\@startdblcolumn
10563     \@whiles\if@fcolmade\fi
10564     {\@outputpage\@startdblcolumn}%
10565     \endgroup
10566 \fi}
10567 \def\RTL@outputdblcol{\if@firstcolumn
10568     \global\@firstcolumnfalse
10569     \global\setbox\@leftcolumn\box\@outputbox
10570     \global\count\footins\@m
10571     \global\skip\footins\rcol@footinsskip
10572 \else \preparefootins
10573     \global\@firstcolumntrue
10574     \setbox\@outputbox\vbox{\hbox to\textwidth

```



```

10575 {\hskip \columnwidth
10576 \hfil \vrule width\columnseprule \hfil
10577 \hbox to\columnwidth
10578 {\box\@leftcolumn\hss}%
10579 \hskip -\textwidth
10580 \hbox to\columnwidth
10581 {\box\@outputbox\hss}
10582 \hskip \columnsep
10583 \hskip \columnwidth}}%
10584 \@combinedblfloats\@outputpage
10585 \begingroup
10586 \@dblfloatplacement\@startdblcolumn
10587 \@whiles\if@fcolmade\fi
10588 {\@outputpage\@startdblcolumn}%
10589 \endgroup
10590 \fi}
10591 \let\leftfootnoterule\@empty
10592 \let\rightfootnoterule\@empty
10593 \let\textwidthfootnoterule\@empty
10594 \let\autofootnoterule\@empty
10595 \let\footnoterule\@empty
10596 \long\def\@makefntext#1{\parindent 1em
10597 \noindent\hbox to 2em{}}%
10598 \llap{\@thefnmark\hbox{.},\,,\,}#1}

```

7.66 graphicx-xetex-bidi.def

```

10599 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
10600 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
10601 \Grot@setangle{#1}%
10602 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
10603 \Grot@x\z@
10604 \Grot@y\z@
10605 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
10606 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10607 \leavevmode
10608 \def\Gscale@x{#1}\def\Gscale@y{#2}%
10609 \setbox\z@\hbox{{#3}}%
10610 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10611 \ifdim#2\p@<\z@
10612 \ht\tw@-#2\dp\z@
10613 \dp\tw@-#2\ht\z@
10614 \else
10615 \ht\tw@#2\ht\z@
10616 \dp\tw@#2\dp\z@
10617 \fi
10618 \ifdim#1\p@<\z@
10619 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10620 \else
10621 \wd\tw@#1\wd\z@

```



```

10622 \box\tw@
10623 \fi\ifmmode\else\if@RTL\endL\fi\fi}
10624 \def\Gin@iii[#1,#2][#3,#4]#5{%
10625 \begingroup
10626 \ifmmode\else\if@RTL\beginL\fi\fi
10627 \Gin@bboxtrue
10628 \Gin@defaultbp\Gin@llx{#1}%
10629 \Gin@defaultbp\Gin@lly{#2}%
10630 \Gin@defaultbp\Gin@urx{#3}%
10631 \Gin@defaultbp\Gin@ury{#4}%
10632 \Gin@include@graphics{#5}%
10633 \ifmmode\else\if@RTL\endL\fi\fi
10634 \endgroup}
10635 \def\Gin@ii[#1]#2{%
10636 \def\@tempa{[]}\def\@tempb{#2}%
10637 \ifx\@tempa\@tempb
10638 \def\@tempa{\Gin@iii[#1] []}%
10639 \expandafter\@tempa
10640 \else
10641 \begingroup
10642 \ifmmode\else\if@RTL\beginL\fi\fi
10643 \@tempswafalse
10644 \toks@{\Gin@include@graphics{#2}}%
10645 \setkeys{Gin}{#1}%
10646 \Gin@esetsize
10647 \the\toks@
10648 \ifmmode\else\if@RTL\endL\fi\fi
10649 \endgroup
10650 \fi}
10651 \def\reflectbox{\bidiGscale@box-1[1]}
10652 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10653 \leavevmode
10654 \def\Gscale@x{#1}\def\Gscale@y{#2}%
10655 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
10656 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10657 \ifdim#2\p<\z@
10658 \ht\tw@-#2\dp\z@
10659 \dp\tw@-#2\ht\z@
10660 \else
10661 \ht\tw@#2\ht\z@
10662 \dp\tw@#2\dp\z@
10663 \fi
10664 \ifdim#1\p<\z@
10665 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10666 \else
10667 \wd\tw@#1\wd\z@
10668 \box\tw@
10669 \fi\ifmmode\else\if@RTL\endL\fi\fi}
10670 \def\scalebox#1{%
10671 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}

```



```

10672 \def\resizebox{%
10673   \leavevmode
10674   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
10675 \def\bidiGscale@@box#1#2#3{%
10676   \let\@tempa\Gin@exclamation
10677   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
10678   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
10679   \ifx\@tempb\@tempa
10680     \ifx\@tempc\@tempa
10681       \toks@{\mbox}%
10682     \else
10683       \toks@{\bidiGscale@box@dd{#3}#1}%
10684     \fi
10685   \else
10686     \ifx\@tempc\@tempa
10687       \toks@{\bidiGscale@box@dd{#2}\width}%
10688     \else
10689       \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
10690     \fi
10691   \fi
10692   \the\toks@}
10693 \long\def\bidiGscale@box@dd#1#2#3{%
10694   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@
10695     \setlength\@tempdima{#1}%
10696     \setlength\@tempdimb{#2}%
10697     \Gscale@div\@tempa\@tempdima\@tempdimb
10698     \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
10699   \@end@tempboxa}
10700 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
10701   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@
10702     \setlength\@tempdima{#1}%
10703     \setlength\@tempdimb{#2}%
10704     \Gscale@div\@tempa\@tempdima\@tempdimb
10705     \setlength\@tempdima{#3}%
10706     \setlength\@tempdimb{#4}%
10707     \Gscale@div\@tempb\@tempdima\@tempdimb
10708     \ifGin@iso
10709       \ifdim\@tempa\p@>\@tempb\p@
10710         \let\@tempa\@tempb
10711       \else
10712         \let\@tempb\@tempa
10713       \fi
10714     \fi
10715     \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
10716   \@end@tempboxa}

```

7.67 geometry-xetex-bidi.def

```

10717 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for
10718 \renewcommand*\Gm@vrules@mpi{%

```



```

10719 \ifRTLmain%
10720     \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10721         \llap{\Gm@vrule}\ignorespaces
10722         \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10723         \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
10724     \else%
10725     \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
10726     \hskip \textwidth\Gm@vrule\hskip \marginparsep
10727     \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
10728 \renewcommand*{\Gm@vrules@mpii}{%
10729 \ifRTLmain%
10730     \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
10731     \hskip \textwidth\Gm@vrule\hskip \marginparsep
10732     \llap{\Gm@vrule}\hfil\Gm@vrule}%
10733 \else%
10734     \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10735     \llap{\Gm@vrule}\ignorespaces
10736     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10737     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
10738

```

7.68 hvfloat-xetex-bidi.def

```

10739 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
10740 \def\do@hvFloat[#1]#2#3{%
10741 \def\hv@shortCap{#1}
10742 \def\hv@longCap{#2}
10743 \def\hv@label{#3}
10744 %\newcommand*{\hvFloat}[5][[]]{%
10745 % [#1]: keyvalues
10746 % #2: type figure | table | ...
10747 % #3: float contents
10748 % [#4]: short caption
10749 % #5: caption
10750 % #6: label
10751 % \setDefaults%
10752 % \def\@tempa{#1}%
10753 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi set options, only when not empty
10754 \def\@tempa{90}%
10755 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
10756 \else \setlength{\hvMaxCapWidth}{\linewidth}
10757 \fi
10758 %
10759 % First we save the object in \hvObjectBox
10760 %
10761 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
10762 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
10763 \else
10764 \savebox{\hvObjectBox}{%
10765 \rotatebox{\hvSet@objectAngle}{%

```



```

10766 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
10767 \fi
10768 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
10769 %
10770 % Now we save the caption with its defined \hvCapWidth
10771 %
10772 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
10773 \else
10774 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
10775 \else
10776 \setlength{\hvCapWidth}{\hvObjectWidth}
10777 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
10778 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
10779 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
10780 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
10781 \else
10782 \setlength{\hvCapWidth}{\hvMaxCapWidth}
10783 \fi
10784 \fi
10785 \fi
10786 %
10787 % now we have the object and the caption with the right
10788 % rotated angles saved in boxes
10789 %
10790 \def\fps@figure{\hvSet@floatPos}
10791 \ifhv@nonFloat\begin{group}% Start the nonfloat part
10792 \else \begin{\hv@floatType}% Start the floating environment
10793 \fi%
10794 \saveCaptionSkip% we put this space ourselves
10795 \ifx\hvSet@capAngle\hv@Width % need rotation?
10796 \sbox{\hvCaptionBox}{%
10797 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
10798 \ifhv@nonFloat%
10799 \ifhv@onlyText#2%
10800 \else%
10801 \ifx\hv@floatType\hv@figure
10802 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
10803 \else
10804 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
10805 \fi
10806 \fi
10807 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
10808 \fi%
10809 \label{#3}%
10810 \end{minipage}%
10811 }%
10812 \else%
10813 \sbox{\hvCaptionBox}{%
10814 \rotatebox{\hvSet@capAngle}{%
10815 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation

```




```

10816 \ifhv@nonFloat%
10817     \ifhv@onlyText#2%
10818     \else%
10819     \ifx\hv@floatType\hv@figure
10820     \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
10821     \else
10822     \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
10823     \fi
10824 \fi
10825 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
10826     \fi%
10827     \label{#3}%
10828     \end{minipage}%
10829     }%
10830 }%
10831 \fi%
10832 %%
10833 \restoreCaptionSkip% save old values
10834 \ifx\hvSet@objectPos\hv@Right\ bidi@raggedleft%
10835 \else%
10836     \ifx\hvSet@objectPos\hv@Center
10837     \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
10838     \fi%
10839 \fi%
10840 %
10841 % to rotate object and caption together, we save all in another box
10842 % the caption comes first, if its on the left or the top
10843 %
10844 \savebox{\@tempboxa}{%
10845     \ifx\hvSet@capPos\hv@Left % caption on left side
10846     \if@RTL%
10847     \ifx\hvSet@capVPos\hv@Center%
10848     \ifhv@fbox
10849     \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10850     \else
10851     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10852     \fi%
10853     \hspace{\hvSet@floatCapSep pt}%
10854     \ifhv@fbox
10855     \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10856     \else
10857     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10858     \fi%
10859     \else%
10860     \ifx\hvSet@capVPos\hv@Top
10861     \ifhv@fbox
10862     \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10863     \else
10864     \raisebox{-\height}{\usebox{\hvObjectBox}}%
10865     \fi%

```



```

10866 \hspace{\hvSet@floatCapSep pt}%
10867 \ifhv@fbox
10868 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10869 \else
10870 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10871 \fi
10872 \else
10873 \ifhv@fbox
10874 \fbox{\usebox{\hvObjectBox}}%
10875 \else
10876 \usebox{\hvObjectBox}%
10877 \fi
10878 \hspace{\hvSet@floatCapSep pt}%
10879 \ifhv@fbox
10880 \fbox{\usebox{\hvCaptionBox}}%
10881 \else
10882 \usebox{\hvCaptionBox}%
10883 \fi%
10884 \fi%
10885 \fi%
10886 \else% not RTL
10887 \ifx\hvSet@capVPos\hv@Center%
10888 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10889 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10890 \fi%
10891 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10892 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10893 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10894 \fi%
10895 \else%
10896 \ifx\hvSet@capVPos\hv@Top % caption at top
10897 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10898 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10899 \fi
10900 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10901 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10902 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
10903 \fi%
10904 \else% caption on bottom
10905 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
10906 \else\usebox{\hvCaptionBox}
10907 \fi%
10908 \hspace{\hvSet@floatCapSep pt}%
10909 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
10910 \else \usebox{\hvObjectBox}
10911 \fi%
10912 \fi%
10913 \fi% end of RTL
10914 \fi%
10915 \else

```



```

10916 \ifx\hvSet@capPos\hv@Top
10917 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10918 \begin{minipage}{\wd\hvCaptionBox}
10919 \else
10920 \begin{minipage}{\wd\hvObjectBox}
10921 \fi
10922 \centering
10923 \ifhv@fbox
10924 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
10925 \fbox{\usebox{\hvObjectBox}}
10926 \else
10927 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
10928 \usebox{\hvObjectBox}
10929 \fi%
10930 \end{minipage}
10931 \else
10932 \ifx\hvSet@capPos\hv@Bottom
10933 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10934 \begin{minipage}{\wd\hvCaptionBox}
10935 \else
10936 \begin{minipage}{\wd\hvObjectBox}
10937 \fi
10938 \centering
10939 \ifhv@fbox
10940 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
10941 \fbox{\usebox{\hvCaptionBox}}
10942 \else
10943 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
10944 \usebox{\hvCaptionBox}
10945 \fi%
10946 \end{minipage}
10947 \else% the last option: put the caption on the right
10948 \ifRTL%
10949 \ifx\hvSet@capVPos\hv@Center%
10950 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10951 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10952 \fi%
10953 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10954 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10955 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10956 \fi%
10957 \else%
10958 \ifx\hvSet@capVPos\hv@Top % caption at top
10959 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10960 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10961 \fi
10962 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10963 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10964 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
10965 \fi%

```



```

10966 \else% caption on bottom
10967 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
10968 \else\usebox{\hvCaptionBox}
10969 \fi%
10970 \hspace{\hvSet@floatCapSep pt}%
10971 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
10972 \else \usebox{\hvObjectBox}
10973 \fi%
10974 \fi%
10975 \fi%
10976 \else% not RTL
10977 \ifx\hvSet@capVPos\hv@Center%
10978 \ifhv@fbox
10979 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10980 \else
10981 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10982 \fi%
10983 \hspace{\hvSet@floatCapSep pt}%
10984 \ifhv@fbox
10985 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10986 \else
10987 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10988 \fi%
10989 \else%
10990 \ifx\hvSet@capVPos\hv@Top
10991 \ifhv@fbox
10992 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10993 \else
10994 \raisebox{-\height}{\usebox{\hvObjectBox}}%
10995 \fi%
10996 \hspace{\hvSet@floatCapSep pt}%
10997 \ifhv@fbox
10998 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10999 \else
11000 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11001 \fi
11002 \else
11003 \ifhv@fbox
11004 \fbbox{\usebox{\hvObjectBox}}%
11005 \else
11006 \usebox{\hvObjectBox}%
11007 \fi
11008 \hspace{\hvSet@floatCapSep pt}%
11009 \ifhv@fbox
11010 \fbbox{\usebox{\hvCaptionBox}}%
11011 \else
11012 \usebox{\hvCaptionBox}%
11013 \fi%
11014 \fi%
11015 \fi

```



```

11016 \fi% end of RTL
11017 \fi
11018 \fi
11019 \fi
11020 }% End savebox Object and caption
11021 %
11022 % now we rotate the object and caption, if needed
11023 %
11024 \ifx\hvSet@rotAngle\hv@Zero
11025 \usebox{\@tempboxa}
11026 \else
11027 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11028 \fi
11029 \ifhv@nonFloat
11030 \ifx\hvSet@objectPos\hv@Center
11031 \ifhv@nonFloat
11032 \hspace{\fill}
11033 \fi
11034 \fi
11035 \endgroup% End the nonfloat part
11036 \else
11037 \end{\hv@floatType}% End the floating environment
11038 \fi
11039 }

```

7.69 hyperref-xetex-bidi.def

```

11040 \ProvidesFile{hyperref-xetex-bidi.def}[2014/11/08 v0.8 bidi adaptations for hyperref package for
11041 \AtBeginDocument{%
11042 \def\contentsline#1#2#3#4{%
11043 \ifx\#4\%
11044 \csname l@#1\endcsname{#2}{#3}%
11045 \else
11046 \ifcase\Hy@linktoc % none
11047 \csname l@#1\endcsname{#2}{#3}%
11048 \or % section
11049 \csname l@#1\endcsname{%
11050 \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
11051 }{#3}%
11052 \or % page
11053 \csname l@#1\endcsname{#2}{#3}%
11054 \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
11055 }%
11056 \else % all
11057 \csname l@#1\endcsname{%
11058 \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
11059 }{#3}%
11060 \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
11061 }%
11062 \fi

```



```

11063 \fi
11064 }
11065 \ifHy@hyperfootnotes
11066 \let\H@@footnotetext\@footnotetext
11067 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11068 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11069 \def\@xfootnotenext[#1]{%
11070 \begingroup
11071 \csname c@\@mpfn\endcsname #1\relax
11072 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11073 \endgroup
11074 \ifx\@footnotetext\@mpfootnotetext
11075 \expandafter\H@@mpfootnotetext
11076 \else
11077 \expandafter\H@@footnotetext
11078 \fi
11079 }%
11080 \def\@xRTLfootnotenext[#1]{%
11081 \begingroup
11082 \csname c@\@mpfn\endcsname #1\relax
11083 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11084 \endgroup
11085 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
11086 \expandafter\HRTL@mpRTLfootnotetext
11087 \else
11088 \expandafter\HRTL@RTLfootnotetext
11089 \fi
11090 }%
11091 \def\@xLTRfootnotenext[#1]{%
11092 \begingroup
11093 \csname c@\@mpfn\endcsname #1\relax
11094 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11095 \endgroup
11096 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
11097 \expandafter\HLTR@mpLTRfootnotetext
11098 \else
11099 \expandafter\HLTR@LTRfootnotetext
11100 \fi
11101 }%
11102 \def\@xfootnotemark[#1]{%
11103 \begingroup
11104 \c@footnote #1\relax
11105 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11106 \endgroup
11107 \H@@footnotemark
11108 }%
11109 \let\H@@mpfootnotetext\@mpfootnotetext
11110 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11111 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11112 \long\def\@mpfootnotetext#1{%

```



```

11113 \H@@mpfootnotetext{%
11114   \ifHy@nesting
11115     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11116   \else
11117     \Hy@raisedlink{%
11118       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11119     }#1%
11120   \fi
11121 }%
11122 }%
11123 \long\def\@mpRTLfootnotetext#1{%
11124   \HRTL@mpRTLfootnotetext{%
11125     \ifHy@nesting
11126       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11127     \else
11128       \Hy@raisedlink{%
11129         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11130       }#1%
11131     \fi
11132   }%
11133 }%
11134 \long\def\@mpLTRfootnotetext#1{%
11135   \HLTR@mpLTRfootnotetext{%
11136     \ifHy@nesting
11137       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11138     \else
11139       \Hy@raisedlink{%
11140         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11141       }#1%
11142     \fi
11143   }%
11144 }%
11145 \long\def\@footnotetext#1{%
11146   \H@@footnotetext{%
11147     \ifHy@nesting
11148       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11149     \else
11150       \Hy@raisedlink{%
11151         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11152       }%
11153       \let\@currentHlabel\Hy@footnote@currentHlabel
11154       \let\@currentHref\Hy@footnote@currentHref
11155       \let\@currentlabelname\@empty
11156       #1%
11157     \fi
11158   }%
11159 }%
11160 \long\def\@RTLfootnotetext#1{%
11161   \HRTL@RTLfootnotetext{%
11162     \ifHy@nesting

```



```

11163         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11164     \else
11165         \Hy@raisedlink{%
11166             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11167         }%
11168         \let\@currentHlabel\Hy@footnote@currentHlabel
11169         \let\@currentHref\Hy@footnote@currentHref
11170         \let\@currentlabelname\@empty
11171         #1%
11172     \fi
11173 }%
11174 }%
11175 \long\def\@LTRfootnotetext#1{%
11176 \HLTR@@LTRfootnotetext{%
11177     \ifHy@nesting
11178         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11179     \else
11180         \Hy@raisedlink{%
11181             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11182         }%
11183         \let\@currentHlabel\Hy@footnote@currentHlabel
11184         \let\@currentHref\Hy@footnote@currentHref
11185         \let\@currentlabelname\@empty
11186         #1%
11187     \fi
11188 }%
11189 }%
11190 \def\@footnotemark{%
11191     \leavevmode
11192     \ifhmode\edef\@x@sf{\the\spacefactor}\nobreak\fi
11193     \stepcounter{Hfootnote}%
11194     \global\let\Hy@saved@currentHlabel\@currentHlabel
11195     \global\let\Hy@saved@currentHref\@currentHref
11196     \hyper@makecurrent{Hfootnote}%
11197     \global\let\Hy@footnote@currentHlabel\@currentHlabel
11198     \global\let\Hy@footnote@currentHref\@currentHref
11199     \global\let\@currentHlabel\Hy@saved@currentHlabel
11200     \global\let\@currentHref\Hy@saved@currentHref
11201     \beginL\hyper@linkstart{link}{\Hy@footnote@currentHref}%
11202     \@makefnmark
11203     \hyper@linkend\endL
11204     \ifhmode\spacefactor\@x@sf\fi
11205     \relax
11206 }%
11207 \@ifpackageloaded{tabularx}{%
11208 \let\HyOrg@TX@endtabularx\TX@endtabularx
11209 \def\Hy@tabularx@hook{%
11210     \let\@footnotetext\H@@footnotetext
11211     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11212     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext

```




```

11213 \let\@footnotemark\H@\footnotemark
11214 \let\@mpfootnotetext\H@\mpfootnotetext
11215 \let\@mpLTRfootnotetext\HLTR@\mpLTRfootnotetext
11216 \let\@mpRTLfootnotetext\HRTL@\mpRTLfootnotetext
11217 }%
11218 \begingroup
11219 \toks@\expandafter{\TX@endtabularx}%
11220 \xdef\Hy@gtemp{%
11221 \noexpand\Hy@tabularx@hook
11222 \the\toks@
11223 }%
11224 \endgroup
11225 \let\TX@endtabularx\Hy@gtemp
11226 }{}%
11227 \@ifpackageloaded{longtable}{%
11228 \CheckCommand*\LT@p@LTRftntext}[1]{%
11229 \edef\@tempa{%
11230 \the\LT@p@ftn
11231 \noexpand\LTRfootnotetext[\the\c@footnote]%
11232 }%
11233 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11234 }%
11235 \long\def\LT@p@LTRftntext#1{%
11236 \edef\@tempa{%
11237 \the\LT@p@ftn
11238 \begingroup
11239 \noexpand\c@footnote=\the\c@footnote\relax
11240 \noexpand\protected@xdef\noexpand\@thefnmark{%
11241 \noexpand\thempfn
11242 }%
11243 \noexpand\Hy@LT@LTRfootnotetext{%
11244 \Hy@footnote@currentHref
11245 }%
11246 }%
11247 \global\LT@p@ftn\expandafter{
11248 \@tempa{#1}%
11249 \endgroup
11250 }%
11251 }%
11252 \long\def\Hy@LT@LTRfootnotetext#1#2{%
11253 \HLTR@\LTRfootnotetext{%
11254 \ifHy@nesting
11255 \hyper@@anchor{#1}{#2}%
11256 \else
11257 \Hy@raisedlink{%
11258 \hyper@@anchor{#1}{\relax}%
11259 }%
11260 \def\@currentHref{#1}%
11261 \let\@currentlabelname\@empty
11262 #2%

```



```

11263     \fi
11264   }%
11265 }%
11266 \CheckCommand*{\LT@p@RTLftntext}[1]{%
11267   \edef\@tempa{%
11268     \the\LT@p@ftn
11269     \noexpand\RTLfootnotetext[\the\c@footnote]%
11270   }%
11271   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11272 }%
11273 \long\def\LT@p@RTLftntext#1{%
11274   \edef\@tempa{%
11275     \the\LT@p@ftn
11276     \begingroup
11277       \noexpand\c@footnote=\the\c@footnote\relax
11278       \noexpand\protected@xdef\noexpand\@thefnmark{%
11279         \noexpand\thempfn
11280       }%
11281       \noexpand\Hy@LT@RTLfootnotetext{%
11282         \Hy@footnote@currentHref
11283       }%
11284     }%
11285     \global\LT@p@ftn\expandafter{%
11286       \@tempa{#1}%
11287     }\endgroup
11288   }%
11289 }%
11290 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11291   \HRTL@@RTLfootnotetext{%
11292     \ifHy@nesting
11293       \hyper@@anchor{#1}{#2}%
11294     \else
11295       \Hy@raisedlink{%
11296         \hyper@@anchor{#1}{\relax}%
11297       }%
11298       \def\@currentHref{#1}%
11299       \let\@currentlabelname\@empty
11300       #2%
11301     \fi
11302   }%
11303 }%
11304 }{}%
11305 \ifpackageloaded{bidipoem}{%
11306   \long\def\bidipoem@p@ftntext#1{%
11307     \edef\@tempx{%
11308       \the\bidipoem@p@ftn
11309     }\begingroup
11310     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11311     \noexpand\protected@xdef\noexpand\@thefnmark{%
11312       \noexpand\thempfn

```



```

11313      }%
11314      \noexpand\Hy@bidipoem@footnotetext{%
11315        \Hy@footnote@currentHref
11316      }%
11317    }%
11318    \global\bidipoem@p@ftn\expandafter{%
11319      \@tempxi{#1}%
11320    \endgroup
11321  }%
11322 }%
11323 \long\def\Hy@bidipoem@footnotetext#1#2{%
11324   \H@@footnotetext{%
11325     \ifHy@nesting
11326       \hyper@@anchor{#1}{#2}%
11327     \else
11328       \Hy@raisedlink{%
11329         \hyper@@anchor{#1}{\relax}%
11330       }%
11331       \def\@currentHref{#1}%
11332       \let\@currentlabelname\@empty
11333       #2%
11334     \fi
11335   }%
11336 }%
11337   \long\def\bidipoem@p@LTRftntext#1{%
11338   \edef\@tempxi{%
11339     \the\bidipoem@p@ftn
11340   \begingroup
11341     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11342     \noexpand\protected@xdef\noexpand\@thefnmark{%
11343       \noexpand\thempfn
11344     }%
11345     \noexpand\Hy@bidipoem@LTRfootnotetext{%
11346       \Hy@footnote@currentHref
11347     }%
11348   }%
11349   \global\bidipoem@p@ftn\expandafter{%
11350     \@tempxi{#1}%
11351   \endgroup
11352 }%
11353 }%
11354 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11355   \HLTR@@LTRfootnotetext{%
11356     \ifHy@nesting
11357       \hyper@@anchor{#1}{#2}%
11358     \else
11359       \Hy@raisedlink{%
11360         \hyper@@anchor{#1}{\relax}%
11361       }%
11362       \def\@currentHref{#1}%

```



```

11363         \let\@currentlabelname\@empty
11364         #2%
11365     \fi
11366 }%
11367 }%
11368     \long\def\bidipoem@p@RTLftntext#1{%
11369     \edef\@tempxi{%
11370     \the\bidipoem@p@ftn
11371     \begingroup
11372     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11373     \noexpand\protected@xdef\noexpand\@thefnmark{%
11374     \noexpand\thempfn
11375     }%
11376     \noexpand\Hy@bidipoem@RTLfootnotetext{%
11377     \Hy@footnote@currentHref
11378     }%
11379     }%
11380     \global\bidipoem@p@ftn\expandafter{%
11381     \@tempxi{#1}%
11382     \endgroup
11383     }%
11384 }%
11385 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11386     \HRTL@RTLfootnotetext{%
11387     \ifHy@nesting
11388     \hyper@@anchor{#1}{#2}%
11389     \else
11390     \Hy@raisedlink{%
11391     \hyper@@anchor{#1}{\relax}%
11392     }%
11393     \def\@currentHref{#1}%
11394     \let\@currentlabelname\@empty
11395     #2%
11396     \fi
11397     }%
11398 }%
11399 }{}%
11400 \let\HyOrg@maketitle\maketitle
11401 \def\maketitle{%
11402     \let\Hy@saved@footnotemark\@footnotemark
11403     \let\Hy@saved@footnotetext\@footnotetext
11404     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11405     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11406     \let\@footnotemark\H@footnotemark
11407     \let\@footnotetext\H@footnotetext
11408     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
11409     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
11410     \@ifnextchar[\Hy@maketitle@optarg{% ]
11411     \HyOrg@maketitle
11412     \Hy@maketitle@end

```



```

11413 }%
11414 }%
11415 \def\Hy@maketitle@optarg[#1]{%
11416 \HyOrg@maketitle[#{#1}]%
11417 \Hy@maketitle@end
11418 }%
11419 \def\Hy@maketitle@end{%
11420 \ifx\@footnotemark\H@@footnotemark
11421 \let\@footnotemark\Hy@saved@footnotemark
11422 \fi
11423 \ifx\@footnotetext\H@@footnotetext
11424 \let\@footnotetext\Hy@saved@footnotetext
11425 \fi
11426 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
11427 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
11428 \fi
11429 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
11430 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
11431 \fi
11432 }%
11433 \def\realfootnote{%
11434 \@ifnextchar[\@xfootnote{%
11435 \stepcounter{\@mpfn}%
11436 \protected@xdef\@thefnmark{\thempfn}%
11437 \H@@footnotemark\H@@footnotetext
11438 }%
11439 }%
11440 \fi
11441 \def\hyper@link#1#2#3{%
11442 \ifmmode\else\beginL\fi\hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\endL\fi
11443 }
11444 \def\url@#1{\beginL\hyper@linkurl{\Hurl{#1}}{#1}\endL}
11445 \def\hyper@natlinkstart#1{%
11446 \Hy@backout{#1}%
11447 \beginL\hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
11448 \def\hyper@nat@current{#1}%
11449 }
11450 \def\hyper@natlinkend{%
11451 \if@RTL\endR\fi\hyper@linkend\endL
11452 }
11453 \def\hyper@natlinkbreak#1#2{%
11454 \if@RTL\endR\fi\hyper@linkend\endL#1\beginL\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
11455 }%
11456 }
11457 \begingroup
11458 \catcode`\$=6 %
11459 \catcode`\#=12 %
11460 \gdef\href$1{\expandafter\href@split$1#\}%
11461 \gdef\href@split$1#$2#$3\\$4{%
11462 \beginL\hyper@link{$1}{$2}{\if@RTL\beginR\fi$4\if@RTL\endR\fi}\endL%

```



```

11463 \endgroup
11464 }%
11465 \endgroup
11466 \pdfstringdefDisableCommands{%
11467 \let\LRE\@firstofone
11468 \let\LR\@firstofone
11469 \let\RLE\@firstofone
11470 \let\RL\@firstofone
11471 \def\XeTeX{Xe\TeX}
11472 \def\XeLaTeX{Xe\LaTeX}
11473 }
11474 \@ifpackageloaded{longtable}{%
11475 \begingroup
11476 \def\y{LT@array}%
11477 \@ifundefined{scr@LT@array}{%
11478 \@ifundefined{adl@LT@array}{\def\y{adl@LT@array}}%
11479 }{\def\y{scr@LT@array}}%
11480 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
11481 \expandafter\endgroup
11482 \expandafter\def\y[##1]##2{%
11483 \H@refstepcounter{#1}%
11484 \hyper@makecurrent{table}%
11485 \let\Hy@LT@currentHref\@currentHref
11486 #2\@sharp####4%
11487 }%
11488 }%
11489 \expandafter\expandafter\expandafter\x\y[{#1}]{#2}\@nil
11490 \begingroup
11491 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
11492 \endgroup
11493 \def\LT@start{%
11494 #1%
11495 \ifvoid\LT@foot#2\fi
11496 \let\@currentHref\Hy@LT@currentHref
11497 \Hy@raisedlink{%
11498 \hyper@anchorstart{\@currentHref}\hyper@anchorend
11499 }%
11500 #3%
11501 }%
11502 }%
11503 \expandafter\x\LT@start\@nil
11504 }{}

```

7.70 leqno-xetex-bidi.def

```

11505 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
11506 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
11507 \rlap{
11508 \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\l

```



7.71 letter-xetex-bidi.def

```
11509 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
11510 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
11511 \thispagestyle{firstpage}%
11512 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
11513 \else % home address
11514 \thispagestyle{empty}%
11515 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
11516 \fromaddress \*[2\parskip]%
11517 \@date \end{tabular}\par}%
11518 \fi
11519 \vspace{2\parskip}%
11520 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
11521 \vspace{2\parskip}%
11522 #1\par\nobreak}
11523 \renewcommand\left@footnoterule{%
11524 \kern-\p@
11525 \hrule \@width .4\columnwidth
11526 \kern .6\p@}
11527 \renewcommand\right@footnoterule{%
11528 \kern-\p@
11529 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11530 \kern .6\p@}
```

7.72 lettrine-xetex-bidi.def

```
11531 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package]
11532 \def\@lettrine[#1]#2#3{%
11533 \setcounter{L@lines}{\theDefaultLines}%
11534 \setcounter{L@depth}{\theDefaultDepth}%
11535 \renewcommand*{\L@hang}{\DefaultLhang}%
11536 \renewcommand*{\L@oversize}{\DefaultLoversize}%
11537 \renewcommand*{\L@raise}{\DefaultLraise}%
11538 \renewcommand*{\L@ante}{}%
11539 \setlength{\L@Findent}{\DefaultFindent}%
11540 \setlength{\L@Nindent}{\DefaultNindent}%
11541 \setlength{\L@slope}{\DefaultSlope}%
11542 \setlength{\L@novskip}{\DiscardVskip}%
11543 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
11544 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
11545 \if\DefaultOptionsFile\relax
11546 \else
11547 \begingroup
11548 \InputIfFileExists{\DefaultOptionsFile}%
11549 {}%
11550 {\PackageWarning{lettrine.sty}%
11551 {File \DefaultOptionsFile\space not found}%
11552 }%
11553 \def\color##1##{\l@color{##1}}%
11554 \let\l@color\@gobbletwo
```



```

11555 \def\textcolor##1##{\l@textcolor{##1}}%
11556 \def\l@textcolor##1##2##3{##3}%
11557 \expandafter\ifx\csname l@#2-keys\endcsname\relax
11558 \gdef\l@LOKeys{%
11559 \else
11560 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
11561 \fi
11562 \endgroup
11563 \def\KV@prefix{KV@L@}%
11564 \let\@tempc\relax
11565 \expandafter\KV@do\l@LOKeys,\relax,
11566 \sbox{\L@lbox}{\LettrineFont #2}%
11567 \setlength{\LettrineWidth}{\wd\L@lbox}%
11568 \def\KV@prefix{KV@L@}%
11569 \let\@tempc\relax
11570 \expandafter\KV@do\l@LOKeys,\relax,
11571 \fi
11572 \setkeys{L}{#1}%
11573 \ifL@image
11574 \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
11575 \else
11576 \sbox{\L@lbox}{\LettrineFont #2}%
11577 \fi
11578 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
11579 \@tempdima=\baselineskip
11580 \ifnum\theL@lines=1
11581 \setlength{\L@first}{\ht\L@lbox}%
11582 \addtolength{\L@first}{-\ht\L@tbox}%
11583 \setlength{\L@lraise}{\z@}%
11584 \else
11585 \setlength{\L@first}{-\theL@lines\@tempdima}%
11586 \addtolength{\L@first}{\@tempdima}%
11587 \sbox{\@tempboxa}{\LettrineTextFont x}%
11588 \addtolength{\L@first}{-\ht\@tempboxa}%
11589 \setlength{\L@lraise}{-L@raise\L@first}%
11590 \addtolength{\L@first}{\L@lraise}%
11591 \addtolength{\L@first}{\ht\L@lbox}%
11592 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
11593 \addtolength{\L@lraise}{\@tempdima}%
11594 \fi
11595 \par
11596 \ifdim\L@first>\L@novskip
11597 \ifL@grid
11598 \@tempdima=\baselineskip
11599 \@tempdimb=\@tempdima
11600 \advance\@tempdimb by \L@novskip
11601 \@tempcnta=1
11602 \loop\ifdim\L@first>\@tempdimb
11603 \advance\@tempcnta by 1
11604 \advance\L@first by -\@tempdima

```




```

11605     \repeat
11606     \vskip\@tempcnta\baselineskip
11607     \else
11608     \vskip\L@first
11609     \fi
11610     \fi
11611     \setlength{\L@Pindent}{\wd\L@lbox}%
11612     \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
11613     \settowidth{\L@first}{\L@ante}%
11614     \addtolength{\L@Pindent}{\L@first}%
11615     \addtolength{\L@Pindent}{\L@Findent}%
11616     \setlength{\L@first}{\linewidth}%
11617     \addtolength{\L@first}{-\L@Pindent}%
11618     \addtolength{\L@Nindent}{\L@Pindent}%
11619     \setlength{\L@next}{\linewidth}%
11620     \addtolength{\L@next}{-\L@Nindent}%
11621     \addtolength{\L@Pindent}{\rightmargin}%
11622     \addtolength{\L@Nindent}{\rightmargin}%
11623     \setlength{\LettrineWidth}{\wd\L@lbox}%
11624     \setlength{\LettrineHeight}{\ht\L@lbox}%
11625     \setlength{\LettrineDepth}{\dp\L@lbox}%
11626     \addtocounter{L@lines}{1}%
11627     \addtocounter{L@lines}{\the\c@L@depth}%
11628     \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pindent}%
11629     \@tempcnta=\tw@
11630     \@whilenum \@tempcnta<\c@L@lines\do{%
11631       \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the\L@next}%
11632       \addtolength{\L@Nindent}{\L@slope}%
11633       \addtolength{\L@next}{-\L@slope}%
11634       \advance\@tempcnta\@ne}%
11635     \ifRTL\edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \ri
11636     \noindent
11637     \parshape=\L@parshape\relax
11638     \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
11639       \hskip \the\L@Findent}}%
11640     \usebox{\L@tbox}%
11641 }

```

7.73 listings-xetex-bidi.def

```

11642 \ProvidesFile{listings-xetex-bidi.def}[2015/08/23 v0.9 bidi adaptations for listings package for
11643 \lst@Key{captiondirection}{textdirection}{%
11644   \lstKV@SwitchCases{#1}%
11645   {textdirection&\\%
11646     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
11647     LTR&\chardef\bidi@lst@caption@direction\@z}%
11648   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
11649 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
11650   \ifundefined{bidi@lst@caption@direction}{\%
11651     \ifnum\bidi@lst@caption@direction=\@z%

```



```

11652      #1%
11653    \else%
11654      \ifnum\@bidi@lst@caption@direction=\@one%
11655        #2%
11656      \fi%
11657    \fi%
11658  }}
11659  \long\def\@bidi@lst@makecaption#1#2{%
11660    \vskip\abovecaptionskip
11661    \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
11662    \sbox\@tempboxa{%
11663      \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
11664      #1: #2%
11665      \bidi@lst@ensure@caption@direction{\endL}{\endR}%
11666    }%
11667    \ifdim \wd\@tempboxa >\hsize
11668      #1: #2\par
11669    \else
11670      \global \@minipagefalse
11671      \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
11672    \fi
11673    \vskip\belowcaptionskip}%
11674  \def\lst@makecaption{\@bidi@lst@makecaption}
11675  \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
11676  \bidi@patchcmd{\lst@MakeCaption}{%
11677    \ifx #1%
11678      \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
11679        \expandafter\refstepcounter
11680      \fi {lstlisting}%
11681    }{%
11682      \ifx #1%
11683        \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
11684        \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
11685          \expandafter\refstepcounter
11686        \fi {lstlisting}%
11687        \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
11688      }{}{}
11689  \bidi@patchcmd{\lst@MakeCaption}{%
11690    \addcontentsline{lol}{lstlisting}%
11691    {\protect\numberline{\thelstlisting}\lst@@caption}%
11692  }{%
11693  \begingroup%
11694    \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
11695    \addcontentsline{lol}{lstlisting}%
11696    {\protect\numberline{\thelstlisting}\lst@@caption}%
11697  \endgroup%
11698  }{}{}
11699  \AtBeginDocument{%
11700    \ifundefined{captionlabelfalse}{}{}%
11701    \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%

```



```

11702 \@ifundefined{caption@startrue}{}{%
11703   \def\lst@maketitle{\caption@startrue\@bidi\lst@makecaption\@empty}}%
11704 }
11705 \AtBeginDocument{
11706   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
11707   \lst@ifnumberbychapter
11708     \gdef\thelstlisting%
11709       {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
11710   \else
11711     \gdef\thelstlisting{\@arabic\c@lstlisting}
11712   \fi}

```

7.74 loadingorder-xetex-bidi.def

```

11713 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last pa
11714 \bidi@isloaded{amsmath}
11715 \bidi@isloaded{amstext}
11716 \bidi@isloaded{amsthm}
11717 \bidi@isloaded{breqn}
11718 \bidi@isloaded{cals}
11719 \bidi@isloaded{caption}
11720 \bidi@isloaded{crop}
11721 \bidi@isloaded{cuted}
11722 \bidi@isloaded{cutwin}
11723 \bidi@isloaded{color}
11724 \bidi@isloaded{dblfnote}
11725 \bidi@isloaded{xcolor}
11726 \bidi@isloaded{colortbl}
11727 \bidi@isloaded{float}
11728 \bidi@isloaded{floatrow}
11729 \bidi@isloaded{flowfram}
11730 \bidi@isloaded{framed}
11731 \bidi@isloaded{ftnright}
11732 \bidi@isloaded{xltextra}
11733 \bidi@isloaded{xunicode}
11734 \bidi@isloaded{wrapfig}
11735 \bidi@isloaded{graphicx}
11736 \bidi@isloaded{geometry}
11737 \bidi@isloaded{hvfloat}
11738 \bidi@isloaded{mdframed}
11739 \bidi@isloaded{midfloat}
11740 \bidi@isloaded{ntheorem}
11741 \bidi@isloaded{ntheorem-hyper}
11742 \bidi@isloaded{hyperref}
11743 \bidi@isloaded{fancybox}
11744 \bidi@isloaded{fancyhdr}
11745 \bidi@isloaded{fix2col}
11746 \bidi@isloaded{draftwatermark}
11747 \bidi@isloaded{empheq}
11748 \bidi@isloaded{pdfpages}

```



```

11749 \bidi@isloaded{listings}
11750 \bidi@isloaded{lettrine}
11751 \bidi@isloaded{pstricks}
11752 \bidi@isloaded{pgf}
11753 \bidi@isloaded{picinpar}
11754 \bidi@isloaded{quotchap}
11755 \bidi@isloaded{tikz}
11756 \bidi@isloaded{titlesec}
11757 \bidi@isloaded{titletoc}
11758 \bidi@isloaded{array}
11759 \bidi@isloaded{soul}
11760 \bidi@isloaded{stabular}
11761 \bidi@isloaded{subfig}
11762 \bidi@isloaded{subfigure}
11763 \bidi@isloaded{supertabular}
11764 \bidi@isloaded{xtab}
11765 \bidi@isloaded{longtable}
11766 \bidi@isloaded{arydshln}
11767 \bidi@isloaded{multicol}
11768 \bidi@isloaded{multienum}
11769 \bidi@isloaded{minitoc}
11770 \bidi@isloaded{natbib}
11771 \bidi@isloaded{newfloat}
11772 \bidi@isloaded{ragged2e}
11773 \bidi@isloaded{rotating}
11774 \bidi@isloaded{tbls}
11775 \bidi@isloaded{tabulary}
11776 \bidi@isloaded{tocstyle}
11777 \bidi@isloaded{tocbibind}
11778 \bidi@isloaded{fontspec}
11779 \bidi@isloaded{arabxetex}
11780 \bidi@isloaded{polyglossia}
11781 \bidi@isloaded{fancyvrb}
11782 \AtBeginDocument{
11783   \if@bidi@amsmathloaded@else
11784     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. Please load bidi package first.}{\fi}]
11785     \fi%
11786     \if@bidi@amstextloaded@else
11787       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. Please load bidi package first.}{\fi}]
11788       \fi%
11789       \if@bidi@amsthmloaded@else
11790         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. Please load bidi package first.}{\fi}]
11791         \fi%
11792         \if@bidi@breqnloaded@else
11793           \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Please load bidi package first.}{\fi}]
11794           \fi%
11795           \if@bidi@calsloaded@else
11796             \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Please load bidi package first.}{\fi}]
11797             \fi%
11798             \if@bidi@captionloaded@else

```



```

11799 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. P
11800 \fi%
11801 \if@bidi@croploded@else
11802 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Ple
11803 \fi%
11804 \if@bidi@colorloaded@else
11805 \@ifpackageloaded{hyperref}{}{%
11806 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Ple
11807 \fi%
11808 \if@bidi@cutwinloaded@else
11809 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. PI
11810 \fi%
11811 \if@bidi@cutedloaded@else
11812 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Ple
11813 \fi%
11814 \if@bidi@dblfnoteloaded@else
11815 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
11816 \fi%
11817 \if@bidi@xcolorloaded@else
11818 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. PI
11819 \fi%
11820 \if@bidi@colortblloaded@else
11821 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
11822 \fi%
11823 \if@bidi@floatloaded@else
11824 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Ple
11825 \fi%
11826 \if@bidi@floatrowloaded@else
11827 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
11828 \fi%
11829 \if@bidi@flowframloaded@else
11830 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
11831 \fi%
11832 \if@bidi@framedloaded@else
11833 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. PI
11834 \fi%
11835 \if@bidi@ftnrightloaded@else
11836 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
11837 \fi%
11838 \if@bidi@xltxtraloaded@else
11839 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi package. P
11840 \fi%
11841 \if@bidi@xunicodeloaded@else
11842 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.
11843 \fi%
11844 \if@bidi@wrapfigloaded@else
11845 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. P
11846 \fi%
11847 \if@bidi@graphicxloaded@else
11848 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.

```



```

11849 \fi%
11850 \if@bidi@geometryloaded@else
11851 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.
11852 \fi%
11853 \if@bidi@hvffloatloaded@else
11854 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvffloat after bidi package.
11855 \fi%
11856 \if@bidi@mdframedloaded@else
11857 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
11858 \fi%
11859 \if@bidi@midfloatloaded@else
11860 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
11861 \fi%
11862 \if@bidi@ntheoremloaded@else
11863 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
11864 \fi%
11865 \if@bidi@hyperrefloaded@else
11866 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
11867 \fi%
11868 \if@bidi@fancyboxloaded@else
11869 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
11870 \fi%
11871 \if@bidi@fancyhdrloaded@else
11872 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
11873 \fi%
11874 \if@bidi@draftwatermarkloaded@else
11875 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
11876 \fi%
11877 \if@bidi@empheqloaded@else
11878 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package.
11879 \fi%
11880 \if@bidi@pdfpagesloaded@else
11881 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
11882 \fi%
11883 \if@bidi@lettrineloaded@else
11884 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
11885 \fi%
11886 \if@bidi@listingsloaded@else
11887 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
11888 \fi%
11889 \if@bidi@pstricksloaded@else
11890 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
11891 \fi%
11892 \if@bidi@pgfloaded@else
11893 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
11894 \fi%
11895 \if@bidi@picinparloaded@else
11896 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.
11897 \fi%
11898 \if@bidi@quotchaploaded@else

```



```

11899 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package
11900 \fi%
11901 \if@bidi@tikzloaded@else
11902 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Plea
11903 \fi%
11904 \if@bidi@titlesecloaded@else
11905 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
11906 \fi%
11907 \if@bidi@titletocloaded@else
11908 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
11909 \fi%
11910 \if@bidi@arrayloaded@else
11911 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
11912 \fi%
11913 \if@bidi@stabularloaded@else
11914 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
11915 \fi%
11916 \if@bidi@soulloaded@else
11917 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Plea
11918 \fi%
11919 \if@bidi@subfigloaded@else
11920 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. PI
11921 \fi%
11922 \if@bidi@subfigureloaded@else
11923 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package
11924 \fi%
11925 \if@bidi@supertabularloaded@else
11926 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi pack
11927 \fi%
11928 \if@bidi@xtabloaded@else
11929 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Plea
11930 \fi%
11931 \if@bidi@longtableloaded@else
11932 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package
11933 \fi%
11934 \if@bidi@arydshlnloaded@else
11935 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
11936 \fi%
11937 \if@bidi@multicolloaded@else
11938 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
11939 \fi%
11940 \if@bidi@multienumloaded@else
11941 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package
11942 \fi%
11943 \if@bidi@minitocloaded@else
11944 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. P
11945 \fi%
11946 \if@bidi@natbibloaded@else
11947 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. PI
11948 \fi%

```



```

11949 \if@bidi@newfloatloaded@else
11950 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
11951 \fi%
11952 \csname if@bidi@ragged2loaded@endcsname\else
11953 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
11954 \fi%
11955 \if@bidi@rotatingloaded@else
11956 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
11957 \fi%
11958 \if@bidi@tblsloaded@else
11959 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package. Pl
11960 \fi%
11961 \if@bidi@tabularyloaded@else
11962 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package.
11963 \fi%
11964 \if@bidi@tocstyleloaded@else
11965 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
11966 \fi%
11967 \if@bidi@tocbibindloaded@else
11968 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package
11969 \fi%
11970 \if@bidi@fontspecloaded@else
11971 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
11972 \fi%
11973 \if@bidi@arabxetexloaded@else
11974 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package
11975 \fi%
11976 \if@bidi@polyglossialloaded@else
11977 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packa
11978 \fi%
11979 \if@bidi@fancyvrbloaded@else
11980 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
11981 \fi%
11982 }

```

7.75 longtable-xetex-bidi.def

```

11983 \ProvidesFile{longtable-xetex-bidi.def}[2013/04/01 v0.3 bidi adaptations for longtable package f
11984 \def\LT@array[#1]#2{%
11985 \refstepcounter{table}\stepcounter{LT@tables}%
11986 \if l#1%
11987 \if RTLtab\LTleft\fill \LTright\z@else\LTleft\z@ \LTright\fill\fi
11988 \else\if r#1%
11989 \if RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
11990 \else\if c#1%
11991 \LTleft\fill \LTright\fill
11992 \fi\fi\fi
11993 \let\LT@mcol\multicolumn
11994 \let\LT@@tabarray\@tabarray
11995 \let\LT@@hl\hline

```




```

11996 \def\@tabarray{%
11997   \let\hline\LT@chl
11998   \LT@tabarray}%
11999 \let\\LT@tabularcr\let\tabularnewline\\%
12000 \def\newpage{\noalign{\break}}%
12001 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
12002 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
12003 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
12004 \let\@tempdima\ht\strutbox
12005 \let\@endpbox\LT@endpbox
12006 \ifx\extrarowheight\@undefined
12007   \let\@acol\@tabacol
12008   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
12009   \def\@startpbox{\vtop\LT@startpbox}%
12010   \let\@@startpbox\@startpbox
12011   \let\@@endpbox\@endpbox
12012   \let\LT@LL@FM@cr\@tabularcr
12013 \else
12014   \advance\@tempdima\extrarowheight
12015   \col@sep\tabcolsep
12016   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
12017 \fi
12018 \setbox\@arstrutbox\hbox{\vrule
12019   \@height \arraystretch \@tempdima
12020   \@depth \arraystretch \dp \strutbox
12021   \@width \z@}%
12022 \let\@sharp#\let\protect\relax
12023 \begingroup
12024   \mkpream{#2}%
12025   \xdef\LT@bchunk{%
12026     \global\advance\c@LT@chunks\@ne
12027     \global\LT@rows\z@\setbox\z@\vbox\bgroup
12028     \LT@setprevdepth
12029     \tabskip\LTleft \noexpand\halign to\hsize\bgroup
12030     \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
12031   \endgroup
12032   \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12033   \LT@make@row
12034   \m@th\let\par\@empty
12035   \everycr{}\lineskip\z@\baselineskip\z@
12036   \LT@bchunk}
12037 \def\LT@makecaption#1#2#3{%
12038   \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
12039     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
12040     \ifdim\wd\@tempboxa>\hsize
12041       #1{#2: }#3%
12042     \else
12043       \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
12044     \fi
12045     \endgraf\vskip\baselineskip}%

```



```

12046 \hss}}
12047 \def\LT@startpbox#1{%
12048 \bgroup
12049 \let\@footnotetext\LT@p@ftntext
12050 \let\@LTRfootnotetext\LT@p@LTRftntext
12051 \let\@RTLfootnotetext\LT@p@RTLftntext
12052 \setlength\hsize{#1}%
12053 \@arrayparboxrestore
12054 \vrule \@height \ht\@arstrutbox \@width \z@}
12055 \def\LT@p@LTRftntext#1{%
12056 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
12057 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12058 \def\LT@p@RTLftntext#1{%
12059 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
12060 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

7.76 mdframed-xetex-bidi.def

```

12061 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for
12062 \newif\if@bidi@mdf@RTL
12063 \def\mdf@lrbox#1{%
12064 \mdf@patchamsthm%patch amsthm
12065 \if@RTL\@bidi@mdf@RTLtrue\fi%
12066 \@RTLfalse%
12067 \setbox#1\vbox\bgroup%
12068 \color@begingroup%
12069 \if@bidi@mdf@RTL\@RTLtrue\fi%
12070 \mdf@horizontalmargin@equation%
12071 \columnwidth=\hsize%
12072 \textwidth=\hsize%
12073 \let\if@nobreak\iffalse%
12074 \let\if@noskipsec\iffalse%
12075 \let\par\@par%
12076 \let\-\@dischyp%
12077 \let'\@acci\let\`\@accii\let\=\@acciii%
12078 \parindent\z@ \parskip\z@skip%
12079 \linewidth\hsize%
12080 \@totalleftmargin\z@%
12081 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
12082 \parfillskip\@flushglue \lineskip\normallineskip%
12083 \baselineskip\normalbaselineskip%
12084 %% \sloppy%
12085 \let\\\@normalcr%
12086 \mdf@par@local%New feature to restore parskip/parindent local in save box
12087 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
12088 \@afterindentfalse%
12089 %\@afterheading%
12090 }
12091 \renewrobustcmd\mdfframedtitleenv[1]{%
12092 \mdf@lrbox{\mdf@frametitlebox}%

```



```

12093 \mdf@frametitlealignment%
12094 \leavevmode{\color{\mdf@frametitlefontcolor}}%
12095 \normalfont\mdf@frametitlefont{#1}
12096 \ifbool{mdf@ignorelastdescenders}%
12097 {%
12098 \par\strut\par
12099 \unskip\unskip\setbox0=\lastbox
12100 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12101 }{}%
12102 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
12103 \endmdf@lrbox\relax%
12104 \mdf@ignorevbadness%
12105 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12106 \mdf@frametitleboxwidth=\wd\mdf@frametitlebox\relax%
12107 \mdf@frametitleboxheight=\ht\mdf@frametitlebox\relax%
12108 \mdf@frametitleboxdepth=\dp\mdf@frametitlebox\relax%
12109 \mdf@frametitleboxtotalheight=\dimexpr
12110 \ht\mdf@frametitlebox
12111 +\dp\mdf@frametitlebox%
12112 +\mdf@frametitleaboveskip@length
12113 +\mdf@frametitlebelowskip@length
12114 \relax%
12115 }
12116
12117 \renewrobustcmd*\mdf@footnoteoutput{%
12118 \ifvoid\@mpfootins\else%
12119 \nobreak%
12120 \vskip\mdf@footnotedistance@length%
12121 \normalcolor%
12122 \bidi@mpfootnoterule%
12123 \unvbox\@mpfootins%
12124 \fi%
12125 }
12126
12127
12128 \renewrobustcmd*\mdf@footnoteinput{%
12129 \def\@mpfn{mpfootnote}%
12130 \def\thempfn{\thempfootnote}%
12131 \c@mpfootnote\z@%
12132 \let\@footnotetext\@mpfootnotetext%
12133 \let\@LTRfootnotetext\@mpLTRfootnotetext%
12134 \let\@RTLfootnotetext\@mpRTLfootnotetext%
12135 }

```

7.77 memoir-xetex-bidi.def

```

12136 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]
12137 \renewcommand{\keepthetitle}{%
12138 \@bsmtitleempty
12139 \global\let\thanks\relax

```



```

12140 \global\let\LTRthanks\relax
12141 \global\let\RTLthanks\relax
12142 \global\let\and\relax
12143 \global\let\andnext\relax
12144 \global\let\@thanks\@empty
12145 \global\let\@title\@empty
12146 \global\let\@author\@empty
12147 \global\let\@date\@empty}
12148 \renewcommand{\maketitle}{\par
12149 \begingroup
12150 \@bsmarkseries
12151 \def\@makefnmark{\@textsuperscript{%
12152 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
12153 \long\def\@makefntext##1{\makethanksmark ##1}
12154 \if@twocolumn
12155 \ifnum \col@number=\@ne
12156 \@maketitle
12157 \else
12158 \twocolumn[\@maketitle]%
12159 \fi
12160 \else
12161 \ifdim\pagetotal>\z@
12162 \newpage
12163 \fi
12164 \global\@topnum\z@
12165 \@maketitle
12166 \fi
12167 \thispagestyle{title}\@thanks
12168 \endgroup
12169 \@bscontmark % \setcounter{footnote}{0}%
12170 }
12171 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
12172 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
12173 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
12174 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
12175 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
12176 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
12177 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
12178 \renewcommand*{\thesubsection}{%
12179 \thesection\@SepMark\@arabic\c@subsection}
12180 \renewcommand*{\thesubsubsection}{%
12181 \thesubsection\@SepMark\@arabic\c@subsubsection}
12182 \renewcommand*{\theparagraph}{%
12183 \thesubsubsection\@SepMark\@arabic\c@paragraph}
12184 \renewcommand*{\thesubparagraph}{%
12185 \theparagraph\@SepMark\@arabic\c@subparagraph}
12186 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
12187 \renewcommand{\theequation}{%
12188 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12189 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}

```



```

12190 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
12191 \ifartopt
12192   \chapterstyle{article}
12193   \counterwithout{figure}{chapter}
12194   \counterwithout{table}{chapter}
12195   \counterwithout{footnote}{chapter}
12196   \counterwithout{equation}{chapter}
12197   \renewcommand{\chaptername}{\thechapter}
12198   \renewcommand{\maketitlehookb}{\%
12199     \vskip -1.5\topsep\vskip -1.5\partopsep}
12200   \renewcommand{\maketitlehookc}{\%
12201     \vskip -1.5\topsep\vskip -1.5\partopsep}
12202 \fi
12203 \long\def\@makecaption#1#2{\let\@memtempa\relax
12204   \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
12205   \else \def\@memtempa{\vbox to\topskip{}}\fi
12206   \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
12207   \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
12208   \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
12209   \let\footnote\@contfnote
12210   \let\footnotemark\@contfmark
12211   \ifdim\wd\@tempboxa<\linewidth \centering \fi
12212   \if@contcw
12213     \centering
12214     \parbox{\@contcwidth}{\%
12215       \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
12216     \fi
12217   \ifdim\wd\@tempboxa<\linewidth
12218     \@contpre
12219     {\@contnfont #1\@contdelim}\@memtempa
12220     {\@contcshortstyle \@conttfont #2\@contfinal\par}
12221   \else
12222     \if@conthang
12223       \sbox\@tempboxa{\@contnfont #1\@contdelim}
12224       \@contpre%
12225       {\@contcstyle\hangindent=\wd\@tempboxa
12226         \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
12227     \else
12228       \if@contindent
12229         \@contpre%
12230         {\@contnfont #1\@contdelim}\@memtempa
12231         {\@contcstyle\hangindent=\@contindw
12232           \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
12233       \else
12234         \@contpre%
12235         {\@contnfont #1\@contdelim}\@memtempa
12236         {\@contcstyle \@conttfont #2\@contfinal\par}
12237       \fi
12238     \fi
12239   \fi

```



```

12240 \@contpost
12241 \if@contcw
12242   \par
12243   } % end of the \parbox
12244 \fi
12245 \vskip\belowcaptionskip}
12246 \@ifpackageloaded{caption}{%
12247 \AtBeginPackage{caption}{
12248 \ClassWarningNoLine{memoir}{%
12249   You are using the caption package with the memoir \MessageBreak
12250   class. This may cause unexpected or inconsistent \MessageBreak
12251   results if you use any of memoir's captioning facilities}
12252 }
12253 \long\def\@makecaption##1##2{%
12254   \vskip\abovecaptionskip
12255   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
12256   \ifdim \wd\@tempboxa >\hsize
12257     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
12258   \else
12259     \global \@minipagefalse
12260     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12261   \fi
12262   \vskip\belowcaptionskip}
12263
12264 \def\caption{%
12265   \ifx\@capytype\@undefined
12266     \latex@error{\noexpand\caption outside float}\@ehd
12267     \expandafter\@gobble
12268   \else
12269     \refstepcounter\@capytype
12270     \expandafter\@firstofone
12271   \fi
12272   {\@dblarg{\@caption\@capytype}}}%
12273 }
12274
12275 \long\def\@caption##1[##2]##3{%
12276   \par
12277   \addcontentsline{\csname ext@##1\endcsname}{##1}%
12278   {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
12279   \begingroup
12280     \@parboxrestore
12281     \if@minipage
12282       \@setminipage
12283     \fi
12284     \normalsize
12285     \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
12286   \endgroup}
12287 }}{}
12288 \renewenvironment{thebibliography}[1]{%
12289   \bibsection

```



```

12290 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
12291 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

7.78 midfloat-xetex-bidi.def

```

12292 \ProvidesFile{midfloat-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for midfloat package for
12293 \def\RTL@outputdblcol{%
12294   \if@firstcolumn
12295     \global \@firstcolumnfalse
12296     \global \setbox\@leftcolumn \box\@outputbox
12297     \global\c@colht\@colht\global\c@advipersep\z@
12298     \ifnum\jua@sk>0
12299       \remove@strip\jua@sar
12300       \global\@colht\the\jua@pr
12301       \ifdim\right@cor>\z@
12302         \global\advance\@colht by\right@cor
12303       \fi
12304       \global\advance\@colht by\cor@height
12305       \global\cor@height=0pt
12306     \fi
12307     \global \setbox\@rightcolumn \vbox{%
12308 \else
12309   \ifdim\c@colht>\@colht
12310     \@tempdima\@colht
12311     \ifdim\@colht>\z@
12312       \global\setbox\@rightcolumn \vbox{%
12313         \unvbox\@rightcolumn
12314         \vbox to\@tempdima{%
12315           \vskip\c@advipersep\unvbox\@outputbox}%
12316         \vskip\stripsep
12317         \vrule height\the\jua@ht width 0pt depth 0pt
12318         \vskip\stripsep
12319       }%
12320       \global\c@advipersep\m@advipersep
12321     \else
12322       \global\setbox\@rightcolumn \vbox{%
12323         \unvbox\@rightcolumn
12324         \vrule height\the\jua@ht width 0pt depth 0pt
12325         \vskip\stripsep
12326       }%
12327     \fi
12328     \ifnum\jua@sk>0
12329       \remove@strip\jua@sar
12330       \global\@colht\the\jua@pr
12331       \global\advance\@colht by-\ht\@rightcolumn
12332       \global\advance\@colht by\cor@height
12333       \global\cor@height=0pt
12334     \else
12335       \global\advance\c@colht by-\ht\@rightcolumn
12336       \global\@colht\c@colht

```



```

12337         \fi
12338     \else
12339     \global\@firstcolumntrue
12340     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
12341         \unvbox\@rightcolumn
12342         \vskip\c@addvipersep
12343         \unvbox\@outputbox
12344     }%
12345     \setbox\@outputbox \vbox {%
12346         \hb@xt@\textwidth {%
12347             \hskip \columnwidth
12348             \hfil
12349             \vrule \@width\columnseprule
12350             \hfil
12351             \hb@xt@\columnwidth {%
12352                 \box\@leftcolumn \hss}%
12353             \hskip-\textwidth
12354             \hb@xt@\columnwidth {%
12355                 \box\@outputbox \hss}%
12356             \hskip\columnwidth
12357             \hskip\columnsep}%
12358         }%
12359     \@combinedblfloats
12360     \@outputpage
12361     \begingroup
12362         \@dblfloatplacement
12363         \@startdblcolumn
12364         \@whiles\if@fcolmade \fi
12365         {\@outputpage
12366         \@startdblcolumn}%
12367     \endgroup
12368     \global\jua@sk=0\global\jua@sar={}
12369     \global\cor@height\z@\global\c@addvipersep\z@
12370     \fi
12371 \fi
12372 }
12373
12374
12375 \def\LTR@outputdblcol{%
12376     \if@firstcolumn
12377     \global \@firstcolumnfalse
12378     \global \setbox\@leftcolumn \box\@outputbox
12379     \global\c@colht\@colht\global\c@addvipersep\z@
12380     \ifnum\jua@sk>0
12381         \remove@strip\jua@sar
12382         \global\@colht\the\jua@pr
12383         \ifdim\right@cor>\z@
12384             \global\advance\@colht by\right@cor
12385         \fi
12386         \global\advance\@colht by\cor@height

```




```

12387     \global\cor@height=0pt
12388     \fi
12389     \global \setbox\@rightcolumn \vbox{}%
12390 \else
12391     \ifdim\c@colht>\@colht
12392         \@tempdima\@colht
12393         \ifdim\@colht>\z@
12394             \global\setbox\@rightcolumn \vbox{%
12395                 \unvbox\@rightcolumn
12396                 \vbox to\@tempdima{%
12397                     \vskip\c@addvipersep\unvbox\@outputbox}%
12398                 \vskip\stripsep
12399                 \vrule height\the\jua@ht width 0pt depth 0pt
12400                 \vskip\stripsep
12401                 }%
12402             \global\c@addvipersep\m@addvipersep
12403         \else
12404             \global\setbox\@rightcolumn \vbox{%
12405                 \unvbox\@rightcolumn
12406                 \vrule height\the\jua@ht width 0pt depth 0pt
12407                 \vskip\stripsep
12408                 }%
12409         \fi
12410     \ifnum\jua@sk>0
12411         \remove@strip\jua@sar
12412         \global\@colht\the\jua@pr
12413         \global\advance\@colht by -\ht\@rightcolumn
12414         \global\advance\@colht by\cor@height
12415         \global\cor@height=0pt
12416     \else
12417         \global\advance\c@colht by-\ht\@rightcolumn
12418         \global\@colht\c@colht
12419     \fi
12420 \else
12421     \global\@firstcolumntrue
12422     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
12423         \unvbox\@rightcolumn
12424         \vskip\c@addvipersep
12425         \unvbox\@outputbox
12426         }%
12427     \setbox\@outputbox \vbox {%
12428         \hb@xt@\textwidth {%
12429             \hb@xt@\columnwidth {%
12430                 \box\@leftcolumn \hss}%
12431             \hfil
12432             \vrule \@width\columnseprule
12433             \hfil
12434             \hb@xt@\columnwidth {%
12435                 \box\@outputbox \hss}%
12436             }%

```



```

12437 }%
12438 \@combinedblfloats
12439 \@outputpage
12440 \beginingroup
12441   \@dblfloatplacement
12442   \@startdblcolumn
12443   \@whiles\if@fcolmade \fi
12444     {\@outputpage
12445       \@startdblcolumn}%
12446   \endgroup
12447   \global\jua@sk=0\global\jua@sar={}%
12448   \global\cor@height\z@\global\c@addvipersep\z@
12449   \fi
12450 \fi
12451 }
12452
12453
12454 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
12455   \global\setbox\@viper\ vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\v
12456     \hsize\textwidth
12457     \@parboxrestore
12458     \col@number \@ne
12459     \vrule height\topskip width0pt depth0pt
12460 }
12461
12462 \def\endstrip{%
12463   \egroup\egroup
12464   \if@firstcolumn
12465     \ifdim\pagetotal>\z@
12466       \vskip\stripsep
12467       \global\ht@strip\pagegoal
12468       \global\advance\ht@strip by-\pagetotal
12469       \global\advance\ht@strip by-\stripsep
12470       \global\advance\ht@strip by-\ht\@viper
12471       \global\advance\ht@strip by-\stripsep
12472       \global\jua@ht=\ht\@viper
12473     \else
12474       \global\ht@strip\z@
12475     \fi
12476     \ifdim\ht@strip>\z@
12477       \unvbox\@viper
12478       \vskip\stripsep
12479       \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
12480       \global\advance\jua@sk by1
12481     \else
12482       \@latex@error{Strip needs more place!}\@ehc
12483       \if@vihproof
12484         \framebox[\columnwidth]{??? Strip ???}%
12485       \fi
12486     \fi

```



```

12487         \else
12488             \@latex@error{Strip is used only on left column!}\@ehc
12489             \if@vihproof
12490                 \framebox[\columnwidth]{??? Strip ???}%
12491             \fi
12492         \fi
12493 }

```

7.79 minitoc-xetex-bidi.def

```

12494 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for Xe
12495 \def\@undottedtocline#1#2#3#4#5{%
12496     \ifnum #1>\c@tocdepth\relax \else
12497         \vskip \z@ plus.2\p@
12498     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \p@
12499         \parindent #2\relax\@afterindenttrue
12500         \interlinepenalty\@M
12501         \leavevmode
12502         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
12503         \hskip -\if@RTL\rightskip\else\leftskip\fi
12504         #4\nobreak\hfill \nobreak
12505         \null\par}%
12506     \fi}
12507 \def\@Undottedtocline#1#2#3#4#5{%
12508     \ifnum #1>\c@tocdepth\relax \else
12509         \vskip \z@ \@plus.2\p@
12510     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \p@
12511         \parindent #2\relax\@afterindenttrue
12512         \interlinepenalty\@M
12513         \leavevmode
12514         \@tempdima #3\relax
12515         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
12516         {\coffeesfont #4}\nobreak \nobreak\null
12517         \par}%
12518     \fi}
12519 \def\@Undottedtoclinep#1#2#3#4#5{%
12520     \ifnum #1>\c@tocdepth\relax \else
12521         \vskip \z@ \@plus.2\p@
12522     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \p@
12523         \parindent #2\relax\@afterindenttrue
12524         \interlinepenalty\@M
12525         \leavevmode
12526         \@tempdima #3\relax
12527         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
12528         {#4}\nobreak \hfill \nobreak\null
12529         \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
12530     \par}%
12531 \fi}

```

7.80 multicol-xetex-bidi.def



```

12532 \ProvidesFile{multicol-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for multicol package for
12533 \def\page@sofar{%
12534   \process@cols\mult@rightbox
12535   {\ifvoid\count@
12536     \setbox\count@\hbox to\hsize{%
12537       \else
12538         \wd\count@\hsize
12539       \fi}%
12540   \count@\col@number \advance\count@\m@ne
12541   \mult@info\z@
12542   {Column spec: \the\full@width\space = indent
12543     + columns + sep =\MessageBreak
12544     \the\multicol@leftmargin\space
12545     + \the\col@number\space
12546     x \the\hsize\space
12547     + \the\count@\space
12548     x \the\columnsep
12549   }%
12550   \ifvmode\else\errmessage{Multicol Error}\fi
12551   \nointerlineskip
12552   \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
12553   \moveright\multicol@leftmargin
12554   \hbox to\full@width{%
12555     \bidi@multicol@align@columns
12556     \rlap{\phantom p}%
12557   }%
12558   \prevdepth\z@
12559   \kern-\dimen\tw@
12560   \ifdim\dimen\tw@ > \mc@gridwarn
12561     \PackageWarning{multicol}%
12562       {Very deep columns!\MessageBreak
12563       Grid alignment might be broken}%
12564   \fi
12565 }
12566 \def\LTR@column@boxes{%
12567   \process@cols\mult@gfirstbox{%
12568     \ifdim\dp\count@>\dimen\tw@
12569     \global\dimen\tw@\dp\count@ \fi
12570     \mc@col@status@write
12571     \box\count@
12572     \hss{\columnseprulecolor\vrule
12573       \@width\columnseprule}\hss}%
12574   \ifdim\dp\mult@rightbox>\dimen\tw@
12575     \global\dimen\tw@\dp\mult@rightbox \fi
12576   \mc@lastcol@status@write
12577   \box\mult@rightbox
12578 }
12579
12580 \def\RTL@column@boxes{%

```



```

12581 \process@cols\mult@gfirstbox{%
12582 \hskip\hsize
12583 \hss{\columnseprulecolor\vrule
12584 \@width\columnseprule}\hss
12585 }%
12586 \hskip\hsize
12587 \process@cols\mult@gfirstbox{%
12588 \ifdim\dp\count@>\dimen\tw@
12589 \global\dimen\tw@\dp\count@ \fi
12590 \hskip-\hsize
12591 \mc@col@status@write
12592 \box\count@
12593 \hskip-\hsize
12594 \hskip-\columnsep
12595 }%
12596 \ifdim\dp\mult@rightbox>\dimen\tw@
12597 \global\dimen\tw@\dp\mult@rightbox \fi
12598 \hskip-\hsize
12599 \mc@lastcol@status@write
12600 \box\mult@rightbox
12601 \hskip-\hsize
12602 \hskip\full@width
12603 }
12604 \newcommand\RTLmulticolcolumns
12605 {\let\bidimulticol@align@columns
12606 \RTL@column@boxes}
12607 \newcommand\LTRmulticolcolumns
12608 {\let\bidimulticol@align@columns
12609 \LTR@column@boxes}
12610 \newcommand\bidimulticol@align@columns
12611 {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
12612 \def\multicols#1{\col@number#1\relax
12613 \ifnum\col@number<\tw@
12614 \PackageWarning{multicol}%
12615 {Using ``\number\col@number'
12616 columns doesn't seem a good idea.^^J
12617 I therefore use two columns instead}%
12618 \col@number\tw@ \fi
12619 \ifnum\col@number>10
12620 \PackageError{multicol}%
12621 {Too many columns}%
12622 {Current implementation doesn't
12623 support more than 10 columns.%
12624 \MessageBreak
12625 I therefore use 10 columns instead}%
12626 \col@number10 \fi
12627 \ifx\@footnotetext\mult@footnotetext\else
12628 \let\orig@footnotetext\@footnotetext
12629 \let\@footnotetext\mult@footnotetext
12630 \fi

```



```

12631 \ifx@LTRfootnotetext\mult@LTRfootnotetext\else
12632 \let\orig@LTRfootnotetext@LTRfootnotetext
12633 \let@LTRfootnotetext\mult@LTRfootnotetext
12634 \fi
12635 \ifx@RTLfootnotetext\mult@RTLfootnotetext\else
12636 \let\orig@RTLfootnotetext@RTLfootnotetext
12637 \let@RTLfootnotetext\mult@RTLfootnotetext
12638 \fi
12639 \@ifnextchar[\mult@cols{\mult@cols[]}]
12640 \long\def\mult@footnotetext#1{\begingroup
12641 \hsize\textwidth
12642 \columnwidth\textwidth
12643 \orig@footnotetext{#1}\endgroup}
12644 \long\def\mult@LTRfootnotetext#1{\begingroup
12645 \hsize\textwidth
12646 \columnwidth\textwidth
12647 \orig@LTRfootnotetext{#1}\endgroup}
12648 \long\def\mult@RTLfootnotetext#1{\begingroup
12649 \hsize\textwidth
12650 \columnwidth\textwidth
12651 \orig@RTLfootnotetext{#1}\endgroup}
12652 \def\righ@footnoterule{%
12653 \kern-3\p@
12654 \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
12655 \kern2.6\p@}
12656 \def\textwidth@footnoterule{\kern-3\p@
12657 \hrule \@width \textwidth \kern 2.6\p@}

```

7.81 multienum-xetex-bidi.def

```

12658 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
12659 \renewcommand{\itemx}[1]{\parbox[t]{%
12660 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
12661 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
12662 \renewcommand{\itemxx}[2]{\parbox[t]{%
12663 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12664 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
12665 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12666 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
12667 \renewcommand{\itemxxx}[3]{\parbox[t]{%
12668 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
12669 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
12670 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
12671 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
12672 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
12673 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
12674 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
12675 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12676 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
12677 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

12678 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
12679 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12680 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
12681 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12682 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
12683 \renewcommand{\itemxxxx}[5]{\parbox[t]{%
12684 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12685 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
12686 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12687 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
12688 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12689 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
12690 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12691 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
12692 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12693 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
12694 \renewcommand{\itemxox}[2]{\parbox[t]{%
12695 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12696 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
12697 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12698 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
12699 \renewcommand{\itemxox}[2]{\parbox[t]{%
12700 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12701 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
12702 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12703 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
12704 \renewcommand{\itemxox}[3]{\parbox[t]{%
12705 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12706 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
12707 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12708 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
12709 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12710 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
12711 \renewcommand{\itemxox}[3]{\parbox[t]{%
12712 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12713 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
12714 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12715 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
12716 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12717 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
12718 \renewcommand{\itemxox}[3]{\parbox[t]{%
12719 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12720 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
12721 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12722 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
12723 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12724 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

7.82 natbib-xetex-bidi.def



```

12725 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
12726 \renewenvironment{thebibliography}[1]{%
12727   \bibsection
12728   \parindent\z@
12729   \bibpreamble
12730   \bibfont
12731   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12732   \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
12733   \ifNAT@openbib
12734     \renewcommand\newblock{\par}%
12735   \else
12736     \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
12737   \fi
12738   \sloppy\clubpenalty4000\widowpenalty4000
12739   \sfcode`\.\@m
12740   \let\NAT@bibitem@first@sw\@firstoftwo
12741     \let\citeN\cite \let\shortcite\cite
12742     \let\citeasnoun\cite
12743 }{%
12744   \bibitem@fin
12745   \bibpostamble
12746   \def\@noitemerr{%
12747     \PackageWarning{natbib}{Empty `thebibliography' environment}%
12748   }%
12749   \endlist
12750   \bibcleanup
12751 }%

```

7.83 newfloat-xetex-bidi.def

```

12752 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
12753 \renewcommand*\newfloat@setwithin[2]{%
12754   \ifcsname c@chapter\endcsname
12755     \@removefromreset{#1}{chapter}%
12756   \fi
12757   \@removefromreset{#1}{section}%
12758   \edef\@tempa{#2}%
12759   \ifx\@tempa\@empty
12760     \def\@tempa{none}%
12761   \fi
12762   \def\@tempb{none}%
12763   \ifx\@tempa\@tempb
12764     \ifcsname c@chapter\endcsname
12765       \@chapterlistsgap@off{#1}%
12766     \fi
12767     \newfloat@@setwithin{#1}{\@tempa}%
12768   \else
12769     \def\@tempb{chapter}%
12770     \ifx\@tempa\@tempb
12771       \@addtoreset{#1}{chapter}%

```




```

12772 \chapterlistsgap@on{#1}%
12773 \newfloat@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMa
12774 \else
12775 \def\@tempb{section}%
12776 \ifx\@tempa\@tempb
12777 \@addtoreset{#1}{section}%
12778 \ifcsname c@chapter\endcsname
12779 \@addtoreset{#1}{chapter}%
12780 \chapterlistsgap@on{#1}%
12781 \newfloat@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
12782 \else
12783 \newfloat@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@Se
12784 \fi
12785 \else
12786 \newfloat@Error{Invalid value `#2' for option `within'}%
12787 \fi
12788 \fi
12789 \fi}

```

7.84 ntheorem-xetex-bidi.def

```

12790 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for
12791 \gdef\@thm#1#2#3{%
12792 \if@thmmarks
12793 \stepcounter{end\InTheoType ctr}%
12794 \fi
12795 \renewcommand{\InTheoType}{#1}%
12796 \if@thmmarks
12797 \stepcounter{curr#1ctr}%
12798 \setcounter{end#1ctr}{0}%
12799 \fi
12800 \refstepcounter{#2}%
12801 \theorem@prework
12802 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
12803 \ifvmode \advance\thm@topsepadd\partopsep\fi
12804 \trivlist
12805 \@topsep \theorempreskipamount
12806 \@topsepadd \thm@topsepadd % used by \endparenv
12807 \advance\linewidth -\theorem@indent
12808 \advance\@totalleftmargin \theorem@indent
12809 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
12810 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.85 ntheorem-hyper-xetex-bidi.def

```

12811 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hype
12812 \gdef\@thm#1#2#3{%
12813 \if@thmmarks
12814 \stepcounter{end\InTheoType ctr}%
12815 \fi
12816 \renewcommand{\InTheoType}{#1}%

```



```

12817 \if@thmmarks
12818     \stepcounter{curr#1ctr}%
12819     \setcounter{end#1ctr}{0}%
12820 \fi
12821 \refstepcounter{#2}%
12822 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
12823 \ifvmode \advance\thm@topsepadd\partopsep\fi
12824 \trivlist
12825 \@topsep \theorempreskipamount
12826 \@topsepadd \thm@topsepadd % used by \@endparenv
12827 \advance\linewidth -\theorem@indent
12828 \advance\@totalleftmargin \theorem@indent
12829 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \totalleftmargin \linewidth\fi
12830 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.86 pdfpages-xetex-bidi.def

```

12831 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for
12832 \renewcommand*{\includepdf}[2] [] {%
12833     \begingroup
12834     \@RTLfalse
12835     \let\AM@threadname\relax
12836     \AM@split@options{pdfpages}{#1}%
12837     \edef\AM@temp{\pdfpages{\the\@temptokena}}%
12838     \expandafter\setkeys\AM@temp
12839     \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
12840         \let\AM@currentdocname\relax
12841         \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
12842         \def\AM@pagecount{0}%
12843     }{%
12844         \AM@findfile{#2}%
12845         \if\AM@threadname\relax
12846             \def\AM@threadname{\AM@currentdocname}%
12847         \fi
12848     }%
12849     \ifAM@survey
12850         \def\AM@pagestemp{%
12851             \@tempcnta=0
12852             \def\foo{%
12853                 \ifundefined{r\AM@xrprefix pdfpages@page\the\@tempcnta}%
12854                     {\let\foo\relax}
12855                 {\expandafter\ifx\expandafter\\AM@pagestemp\\
12856                     \edef\AM@pagestemp{%
12857                         \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
12858                     \else
12859                         \edef\AM@pagestemp{\AM@pagestemp,%
12860                         \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
12861                     \fi
12862                     \advance\@tempcnta 1\relax
12863                 }%

```



```

12864     \foo
12865   }%
12866   \foo
12867   \expandafter\ifx\expandafter\\AM@pagetemp\\
12868     \def\AM@pagetemp{1}%
12869   \fi
12870 \fi
12871 \ifAM@output
12872   \expandafter\AM@readlist\expandafter{\AM@pagetemp}%
12873   \AM@output{#1}%
12874 \fi
12875 \AM@CheckAtEnd
12876 \endgroup
12877 \AM@ClearShipoutPicture
12878 }

```

7.87 pgfcorescopes.code-xetex-bidi.def

```

12879 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf packa
12880 \def\pgfpicture{%
12881   \begingroup%
12882   \ifmmode\else\@RTLfalse\beginL\fi%
12883   \pgfpicturetrue%
12884   \global\advance\pgf@picture@serial@count by1\relax%
12885   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
12886   \let\pgf@nodecallback=\pgfutil@gobble%
12887   \pgf@picmaxx=-16000pt\relax%
12888   \pgf@picminx=16000pt\relax%
12889   \pgf@picmaxy=-16000pt\relax%
12890   \pgf@picminy=16000pt\relax%
12891   \pgf@relevantforpicturesizetrue%
12892   \pgf@resetpathsizes%
12893   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
12894 \def\endpgfpicture{%
12895     \ifpgfrememberpicturepositiononpage%
12896       \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
12897     \fi%
12898     % ok, now let's position the box
12899     \ifdim\pgf@picmaxx=-16000pt\relax%
12900       % empty picture. make size 0.
12901       \global\pgf@picmaxx=0pt\relax%
12902       \global\pgf@picminx=0pt\relax%
12903       \global\pgf@picmaxy=0pt\relax%
12904       \global\pgf@picminy=0pt\relax%
12905     \fi%
12906     % Shift baseline outside:
12907     \pgf@relevantforpicturesizefalse%
12908     \pgf@process{\pgf@baseline}%
12909     \xdef\pgf@shift@baseline{\the\pgf@y}%
12910     %

```



```

12911         \pgf@process{\pgf@trimleft}%
12912         \global\advance\pgf@x by-\pgf@picminx
12913         % prepare \hskip\pgf@trimleft@final.
12914         % note that \pgf@trimleft@final is also queried
12915         % by the pgf image externalization.
12916         \xdef\pgf@trimleft@final{-\the\pgf@x}%
12917         %
12918         \pgf@process{\pgf@trimright}%
12919         \global\advance\pgf@x by-\pgf@picmaxx
12920         % prepare \hskip\pgf@trimright@final.
12921         % note that \pgf@trimright@final is also queried
12922         % by the pgf image externalization.
12923         \xdef\pgf@trimright@final{\the\pgf@x}%
12924         %
12925         \pgf@remember@layerlist@globally
12926         \endgroup%
12927         \hss%
12928         \egroup%
12929         \pgf@restore@layerlist@from@global
12930         \pgf@insertlayers%
12931         \endgroup%
12932         \pgfsys@discardpath%
12933         \endgroup%
12934         \pgfsys@endscope%
12935         \pgfsys@endpicture%
12936         \endgroup%
12937         \hss
12938     \egroup%
12939     \pgfsys@typesetpicturebox\pgfpic%
12940     \ifmmode\else\endL\fi%
12941     \endgroup%
12942 }

```

7.88 picinpar-xetex-bidi.def

```

12943 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
12944 \long\def\@makewincaption#1#2{%
12945     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
12946     \ifdim\wd\@tempboxa>\picwd
12947         {\footnotesize{\bf #1:\enspace}{#2\par}}
12948     \else
12949         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
12950     \fi}
12951 \def\endwindow{%
12952     \global\tcd=\tcdsav
12953     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
12954     \vbadness=10000
12955     \splittopskip=0pt
12956 %
12957 % Typeset the lines above the window

```



```

12958 %
12959 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
12960 \tcn=\tcd
12961 \loop\advance\tcn -1
12962 \setbox\fslice=\vsplit\holder to\baselineskip
12963 \prune\fslice\linewidth
12964 \topheight=0pt
12965 \ifnum\dp\fslice>\dp\wstrutbox
12966     \advance\topheight-\dp\fslice
12967     \advance\topheight\dp\wstrutbox
12968     \advance\topheight\ilg\fi
12969 \hbox to\linewidth{\box\fslice}
12970 \vskip-\topheight
12971 \ifdim\ht\holder>0pt\repeat
12972 \fi
12973 %
12974 % Now we build the boxes beside the window
12975 %
12976 \global\topheight=\tcl\baselineskip
12977 \ifnum\cumpartcl>0\global\tcl=\cumtcl
12978     \global\topheight=\vpic
12979 \fi
12980 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
12981 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
12982 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
12983 \tcn=\tcl \na=0 \nb=0
12984 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
12985 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
12986 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
12987 \ifnum\na=0\ifnum\nb=0
12988     \setbox\waslice=\vbox to\vpic{\vss}
12989     \setbox\wbslice=\vbox to\vpic{\vss}
12990     \bl=1\br=1
12991     \vskip\ilg
12992 \fi\fi
12993 %
12994 % both sides
12995 %
12996 \ifnum\na>0 \ifnum\nb>0
12997 \loop\advance\nb -1
12998 \advance\na -1
12999 \if@RTL%
13000 \setbox\bslice=\vsplit\holder to\baselineskip
13001 \prune\bslice\rtside
13002 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
13003 to\rtside{\box\bslice\hfil}}
13004 \setbox\aslice=\vsplit\holder to\baselineskip
13005 \prune\aslice\lftside
13006 \setbox\waslice=\vbox{\unvbox\waslice\hbox
13007 to\lftside{\box\aslice\hfil}}

```



```

13008 \else%
13009 \setbox\aslice=\vsplit\holder to\baselineskip
13010 \prune\aslice\lftside
13011 \setbox\waslice=\vbox{\unvbox\waslice\hbox
13012 to\lftside{\box\aslice\hfil}}
13013 \setbox\bslice=\vsplit\holder to\baselineskip
13014 \prune\bslice\rtside
13015 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
13016 to\rtside{\box\bslice\hfil}}
13017 \fi%
13018 \ifnum\nb>0\repeat
13019 \fi\fi
13020 %
13021 % only text on the left side
13022 %
13023 \ifnum\na>0
13024   \loop\advance\na -1
13025   \setbox\aslice=\vsplit\holder to\baselineskip
13026   \prune\aslice\lftside
13027   \setbox\waslice=\vbox{\unvbox\waslice\hbox
13028   to\lftside{\box\aslice\hfil}}
13029   \ifdim\ht\holder>0pt\repeat
13030 \fi
13031 %
13032 % only text on the right side
13033 %
13034 \ifnum\nb>0
13035   \loop\advance\nb -1
13036   \setbox\bslice=\vsplit\holder to\baselineskip
13037   \prune\bslice\rtside
13038   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
13039   to\rtside{\box\bslice\hfil}}
13040   \ifdim\ht\holder>0pt\repeat
13041 \fi
13042 %
13043 % fixing the dimensions of the window part
13044 %
13045 \ifnum\bl=0\topheight=\ht\wbslice
13046 \else\ifnum\br=0\topheight=\ht\waslice
13047   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
13048   \else\topheight=\ht\wbslice\fi\fi\fi
13049 %
13050 % ship out the window material to the main vertical list
13051 %
13052 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
13053 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
13054 \fi\fi\fi
13055 \setbox>windowbox=\vbox{\hbox to\linewidth{%
13056 \ifnum\bl>0\box\waslice\hfill\fi%
13057 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%

```



```

13058 \vfill\unvbox\picbox%
13059 \ifnum\picwd>0\vfill\fi%
13060 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
13061 \unvbox\windowbox%
13062 \loop
13063 \setbox\bslice=\vsplit\rawtext to\baselineskip
13064 \prune\bslice\linewidth
13065 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
13066 \unvbox\wbslice
13067 \ifdim\ht\rawtext>0pt
13068 \repeat
13069 }% FINITO

```

7.8g plain-xetex-bidi.def

```

13070 \def\TeXeTOn{\TeXeTstate=1 }
13071 \def\TeXeTOff{\TeXeTstate=0 }
13072 \TeXeTOn
13073 \def\usebox#1{\leavevmode\copy #1\relax}
13074 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox{
13075 \let\bidi@o@everypar=\everypar
13076 \newtoks\bidi@n@everypar
13077 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
13078 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
13079 \let\everypar=\bidi@n@everypar
13080 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
13081 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
13082 \protected\def\hboxR{\hbox\bgroup
13083 \everyhbox{%
13084 \aftergroup\egroup
13085 \everyhbox{}}%
13086 \beginR
13087 \bgroup
13088 \aftergroup\endR
13089 \aftergroup\egroup
13090 }\hbox}
13091 \protected\def\hboxL{\hbox\bgroup
13092 \everyhbox{%
13093 \aftergroup\egroup
13094 \everyhbox{}}%
13095 \beginL
13096 \bgroup
13097 \aftergroup\endL
13098 \aftergroup\egroup
13099 }\hbox}
13100 \protected\def\vboxR{\vbox\bgroup
13101 \everyvbox{%
13102 \aftergroup\egroup
13103 \everyvbox{}}%
13104 \@RTLtrue

```



```

13105 \bgroup
13106 \aftergroup\egroup
13107 }\vbox}
13108 \protected\def\vboxL{\vbox\bgroup
13109 \everyvbox{%
13110 \aftergroup\egroup
13111 \everyvbox{}}%
13112 \@RTLfalse
13113 \bgroup
13114 \aftergroup\egroup
13115 }\vbox}
13116 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
13117 \def\endLTR{\par}
13118 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
13119 \def\endRTL{\par}
13120 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
13121 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
13122 \let\unsetRTL=\setLTR
13123 \let\unsetLTR=\setRTL
13124 \let\LR=\LRE
13125 \let\RL=\RLE
13126 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
13127 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
13128 \let\@ensure@RL=\@ensure@RTL
13129 \let\@ensure@LR=\@ensure@LTR
13130 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
13131 \let\@ensure@maindir=\@ensure@dir
13132 \def\@RTL{RTL}
13133 \def\@LTR{LTR}
13134 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
13135 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
13136 \let\@TeX\TeX
13137 \def\TeX{\@ensure@LTR{\@TeX}}
13138 \long\def\@bidi@reflect@box#1{%
13139 \leavevmode
13140 \setbox\z@\hbox{{#1}}%
13141 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
13142 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
13143 }
13144 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
13145 \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
13146 \let\setRL=\setRTL
13147 \let\setLR=\setLTR
13148 \let\unsetRL=\setLTR
13149 \let\@bidi@samed@eqno=\eqno
13150 \let\@bidi@samed@leqno=\leqno
13151 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@samed@leqno \else \@bidi@samed@eqno \fi}
13152 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@samed@eqno \else \@bidi@samed@leqno \fi}
13153 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
13154 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}

```




```
13155 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
```

7.90 pstricks-xetex-bidi.def

```
13156 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package for
13157 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
13158 \def\endpspicture{%
13159   \ifshowgrid\ifnum\showgridp@>0
13160     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
13161     \pst@killglue
13162 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
13163   \endgroup
13164   \egroup
13165   \ifdim\wd\pst@hbox=\z@ \else
13166     %\@pstrickserr{Extraneous space in the pspicture environment}%
13167     %\Type \space <return> \space to proceed.}%
13168   \fi
13169   \ht\pst@hbox=\pst@dimd
13170   \dp\pst@hbox=-\pst@dimb
13171   \setbox\pst@hbox=\hbox{%
13172     \kern-\pst@dimd
13173 %   Orig version -----
13174 %\ifx\pst@tempa\@empty\else
13175 %\advance\pst@dimd-\pst@dimb
13176 %\pst@dimd=\pst@tempa\pst@dimd
13177 %\advance\pst@dimd\pst@dimb
13178 %\lower\pst@dimd
13179 %\fi
13180 %----- end Orig
13181   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}%   shift=*
13182     \advance\pst@dimd-\pst@dimb
13183     \pst@dimd=0.5\pst@dimd
13184   \else\pst@dimd-\pst@shift\fi
13185   \advance\pst@dimd\pst@dimb
13186   \lower\pst@dimd
13187   \box\pst@hbox
13188   \kern\pst@dimc}%
13189   \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
13190   \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
13191     \fboxsep=0pt
13192     \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
13193   \ifmmode\else\endL\fi
13194   \endgroup%
13195   \psset[pstricks]{shift=0}% reset value
13196 }
```

7.91 quotchap-xetex-bidi.def

```
13197 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
13198 \renewcommand{\qauthor}[1]{%
13199   \par\smallskip
```



```

13200 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{}}\par}\bigskip}
13201 \renewcommand{\@makechapterhead}[1]{\chapterheadstart\vskip%
13202 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
13203 {\chapnumfont
13204 \ifnum \c@secnumdepth >\m@ne%
13205 \if@mainmatter\thechapter%
13206 \fi\fi
13207 \par\nobreak}%
13208 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10em
13209 \nobreak\chapterheadend\vskip}}
13210 \renewcommand*{\@iprintcites}{%
13211 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
13212 \global\let\@printcites\relax}

```

7.92 ragged2e-xetex-bidi.def

```

13213 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
13214 \renewcommand{\Centering}{%
13215 \ifx\\ \@raggedtwoe@savedcr
13216 \let\\ \@centercr
13217 \fi
13218 \let\@gnewline\@raggedtwoe@gnewline
13219 \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
13220 \@rightskip\CenteringRightskip
13221 \if@RTL\leftskip\else\rightskip\fi\@rightskip
13222 \parfillskip\CenteringParfillskip
13223 \parindent\CenteringParindent
13224 \@raggedtwoe@spaceskiptrue
13225 \@raggedtwoe@everyselectfont
13226 }
13227 \renewcommand{\RaggedLeft}{%
13228 \ifx\\ \@raggedtwoe@savedcr
13229 \let\\ \@centercr
13230 \fi
13231 \let\@gnewline\@raggedtwoe@gnewline
13232 \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
13233 \@rightskip\RaggedLeftRightskip
13234 \if@RTL\leftskip\else\rightskip\fi\@rightskip
13235 \parfillskip\RaggedLeftParfillskip
13236 \parindent\RaggedLeftParindent
13237 \@raggedtwoe@spaceskiptrue
13238 \@raggedtwoe@everyselectfont
13239 }
13240 \renewcommand{\RaggedRight}{%
13241 \ifx\\ \@raggedtwoe@savedcr
13242 \let\\ \@centercr
13243 \fi
13244 \let\@gnewline\@raggedtwoe@gnewline
13245 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
13246 \@rightskip\RaggedRightRightskip

```



```

13247 \if@RTL\leftskip\else\rightskip\fi\@rightskip
13248 \parfillskip\RaggedRightParfillskip
13249 \parindent\RaggedRightParindent
13250 \@raggedtwo@spaceskiptrue
13251 \@raggedtwo@everyselectfont
13252 }
13253 \renewcommand{\justifying}{%
13254 \let\\@raggedtwo@savedcr
13255 \let\@gnewline\@raggedtwo@saved@gnewline
13256 \if@RTL\rightskip\else\leftskip\fi\z@
13257 \@rightskip\z@
13258 \if@RTL\leftskip\else\rightskip\fi\@rightskip
13259 \parfillskip\JustifyingParfillskip
13260 \parindent\JustifyingParindent
13261 \@raggedtwo@spaceskipfalse
13262 \@raggedtwo@everyselectfont
13263 }
13264 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{%
13265 \CheckCommand*{\arrayparboxrestore}{%
13266 \let\if@nbreak\iffalse
13267 \let\if@noskipsec\iffalse
13268 \let\par\@par
13269 \let\-\@dischyph
13270 \let'\@acci\let\`@accii\let\=\@acciii
13271 \parindent\z@ \parskip\z@skip
13272 \everypar{}%
13273 \linewidth\hsize
13274 \@totalleftmargin\z@
13275 \if@RTL\rightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
13276 \parfillskip\@flushglue \lineskip\normallineskip
13277 \baselineskip\normalbaselineskip
13278 \sloppy}%
13279 \renewcommand{\arrayparboxrestore}{%
13280 \let\if@nbreak\iffalse
13281 \let\if@noskipsec\iffalse
13282 \let\par\@par
13283 \let\-\@dischyph
13284 \let'\@acci\let\`@accii\let\=\@acciii
13285 \parskip\z@skip
13286 \everypar{}%
13287 \linewidth\hsize
13288 \@totalleftmargin\z@
13289 \RaggedRight
13290 \lineskip\normallineskip
13291 \baselineskip\normalbaselineskip
13292 \sloppy}%
13293 \let\@raggedtwo@raggedrightboxes@opt\relax
13294 }
13295 \let\origin@RaggedLeft=\RaggedLeft
13296 \let\origin@RaggedRight=\RaggedRight

```



```

13297 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
13298 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.93 rapport1-xetex-bidi.def

```

13299 \ProvidesFile{rapport1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for rapport1 class for X
13300 \renewenvironment{theindex}{%
13301   \if@twocolumn
13302     \@restonecolfalse
13303   \else
13304     \@restonecoltrue
13305   \fi
13306   \columnseprule \z@
13307   \columnsep 35\p@
13308   \twocolumn[\@makeschapterhead{\indexname}]%
13309   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
13310   \thispagestyle{plain}\parindent\z@
13311   \parskip\z@ \@plus .3\p@\relax
13312   \let\item\@idxitem
13313 }{%
13314   \if@restonecol\onecolumn\else\clearpage\fi}
13315 \renewcommand*\head@style{%
13316   \interlinepenalty \@M
13317   \hyphenpenalty=\@M \exhyphenpenalty=\@M
13318   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
13319 \if@titlepage
13320   \renewenvironment{abstract}{%
13321     \titlepage
13322     \null\vfil
13323     \section*{\SectFont\abstractname}%
13324     \noindent\ignorespaces}
13325     {\par\vfil\null\endtitlepage}
13326 \else
13327   \renewenvironment{abstract}{%
13328     \if@twocolumn
13329       \section*{\abstractname}%
13330     \else
13331       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
13332       \section*{\small\SectFont\abstractname}%
13333       \noindent\ignorespaces
13334     \fi}
13335     {\if@twocolumn\else\par\egroup\fi}
13336 \fi
13337 \renewcommand*\@regtocline[3]{%
13338   \ifnum #1>\c@tocdepth
13339   \else
13340     \vskip\z@ \@plus .2\p@
13341     {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
13342     \if@RTL\rightskip\else\leftskip\fi\unitindent
13343     \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil

```



```

13344 \parfillskip\z@
13345 \@tempdima\unitindent
13346 \parindent\z@
13347 \leavevmode
13348 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
13349 \hskip 1em \nobreak{\slshape #3}\par
13350 }%
13351 \fi}
13352 \if@oldtoc
13353 \renewcommand*\l@part[2]{%
13354 \ifnum \c@tocdepth >-2\relax
13355 \addpenalty{-\@highpenalty}%
13356 \addvspace{2.25em \@plus\p@}%
13357 \begingroup
13358 \setlength\@tempdima{3em}%
13359 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13360 \parfillskip -\@pnumwidth
13361 {\leavevmode
13362 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13363 \nobreak
13364 \global\@nobreaktrue
13365 \everypar{\global\@nobreakfalse\everypar{}}%
13366 \endgroup
13367 \fi}
13368 \else
13369 \renewcommand*\l@part{%
13370 \ifnum \c@tocdepth >-2\relax
13371 \addpenalty{-\@highpenalty}%
13372 \addvspace{2.25em \@plus\p@}%
13373 \@regtocline{0}%
13374 \fi}
13375 \fi
13376 \if@oldtoc
13377 \renewcommand*\l@chapter[2]{%
13378 \addpenalty{-\@highpenalty}%
13379 \vskip 1.0em \@plus\p@
13380 \setlength\@tempdima{1.5em}%
13381 \begingroup
13382 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13383 \parfillskip -\@pnumwidth
13384 \leavevmode \bfseries
13385 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13386 \hskip -\if@RTL\rightskip\else\leftskip\fi
13387 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13388 \penalty\@highpenalty
13389 \endgroup}
13390 \else
13391 \renewcommand*\l@chapter{\@regtocline{0}}
13392 \fi
13393 \renewcommand*\left@footnoterule{%

```



```

13394 \kern-3\p@
13395 \kern.5\baselineskip
13396 \hrule\@width\unitindent
13397 \kern.4\baselineskip
13398 }
13399 \renewcommand*\right@footnoterule{%
13400 \kern-3\p@
13401 \kern.5\baselineskip
13402 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
13403 \kern.4\baselineskip}
13404 \renewenvironment{thebibliography}[1]
13405     {\chapter*{\bibname}%
13406      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
13407      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13408       \list{\@biblabel{\@arabic\c@enumiv}}%
13409          {\settowidth\labelwidth{\@biblabel{#1}}%
13410           \leftmargin\labelwidth
13411           \advance\leftmargin\labelsep
13412           \@openbib@code
13413           \usecounter{enumiv}%
13414           \let\p@enumiv\@empty
13415           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
13416       \sloppy\clubpenalty4000\widowpenalty4000%
13417       \sfcode`\.\@m}
13418     {\def\@noitemerr
13419      {\@latex@warning{Empty `thebibliography' environment}}}%
13420     \endlist}
13421 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
13422 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
13423 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
13424 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
13425 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
13426 \renewcommand*\theequation{%
13427 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@equation}
13428 \renewcommand*\thefigure{%
13429 \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@figure}
13430 \renewcommand*\thetable{%
13431 \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@table}
13432 \if@titlepage
13433 \renewcommand*\TitleFont{\rmfamily}
13434 \renewcommand*\maketitle{%
13435 \begin{titlepage}%
13436 \let\footnotesize\small
13437 \let\right@footnoterule\relax
13438 \let\left@footnoterule\relax
13439 \let\textwidth\footnoterule\relax
13440 \let\footnote\thanks
13441 \long\def\@makefnmark##1{\parindent z@
13442 \def\labelitemi{\textendash}\@revlabeltrue
13443 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}

```



```

13444 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13445 \if@compatibility\setcounter{page}{0}\fi
13446 \null\vfil
13447 \vskip 60\p@
13448 \begin{center}%
13449 \TitleFont
13450 {\LARGE \def\{\{\penalty -\@M}
13451 \if@allcaps
13452 \expandafter\uc@nothanks\@title\thanks\relax
13453 \else
13454 \@title
13455 \fi\par}%
13456 \vskip 3em%
13457 {\large
13458 \lineskip .75em \parindent\z@
13459 \begin{tabular}[t]{c}%
13460 \if@allcaps
13461 \expandafter\uc@authornothanks\@author\and\relax
13462 \else
13463 \@author
13464 \fi
13465 \end{tabular}\par}%
13466 \vskip 1.5em%
13467 {\large
13468 \if@allcaps
13469 \uppercase\expandafter{\@date}%
13470 \else
13471 \@date
13472 \fi\par}%
13473 \end{center}\par
13474 \@thanks
13475 \vfil\null
13476 \end{titlepage}%
13477 \setcounter{footnote}{0}%
13478 \global\let\thanks\relax
13479 \global\let\maketitle\relax
13480 \global\let\@thanks\@empty
13481 \global\let\@author\@empty
13482 \global\let\@title\@empty
13483 \global\let\@date\@empty
13484 \global\let\title\relax
13485 \global\let\author\relax
13486 \global\let\date\relax
13487 \global\let\and\relax
13488 }
13489 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
13490 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
13491 \futurelet\@tempa\uc@ax}
13492 \def\uc@ax{%
13493 \ifx\@tempa\relax

```



```

13494 \else
13495   \\\ \andname \\\ \expandafter\uc@authornothanks
13496 \fi}
13497 \def\uc@tx{\ifx\@tempa\relax
13498   \else \expandafter\uc@ty \fi}
13499 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
13500 \else
13501 \renewcommand*\maketitle{\par
13502 \begingroup
13503   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13504   \def\@makefnmark{\rlap{%
13505     \@textsuperscript{\normalfont\@thefnmark}}}%
13506   \long\def\@makefntext{\@xmakefntext{%
13507     \@textsuperscript{\normalfont\@thefnmark}}}%
13508   \if@twocolumn
13509     \ifnum \col@number=\@ne
13510       \@maketitle
13511     \else
13512       \twocolumn[\@maketitle]%
13513     \fi
13514   \else
13515     \newpage
13516     \global\@topnum\z@
13517     \@maketitle
13518   \fi
13519   \thispagestyle{plain}\@thanks
13520 \endgroup
13521 \setcounter{footnote}{0}%
13522 \global\let\thanks\relax
13523 \global\let\maketitle\relax
13524 \global\let\@maketitle\relax
13525 \global\let\@thanks\@empty
13526 \global\let\@author\@empty
13527 \global\let\@title\@empty
13528 \global\let\@date\@empty
13529 \global\let\title\relax
13530 \global\let\author\relax
13531 \global\let\date\relax
13532 \global\let\and\relax
13533 }
13534 \def\@maketitle{%
13535   \newpage
13536   \null
13537   \vskip 2em%
13538   \begin{center}%
13539     \let \footnote \thanks
13540     {\LARGE \TitleFont \@title \par}%
13541     \vskip 1.5em%
13542     {\large \TitleFont
13543       \lineskip .5em%

```




```

13544     \begin{tabular}[t]{c}%
13545         \@author
13546     \end{tabular}\par}%
13547     \vskip 1em%
13548     {\large \TitleFont \@date}%
13549 \end{center}%
13550 \par
13551 \vskip 1.5em}
13552 \fi

```

7.94 rapport3-xetex-bidi.def

```

13553 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class for X
13554 \renewenvironment{theindex}{%
13555     \if@twocolumn
13556         \@restonecolfalse
13557     \else
13558         \@restonecoltrue
13559     \fi
13560     \columnseprule \z@
13561     \columnsep 35\p@
13562     \twocolumn[\@makeschapterhead{\indexname}]%
13563     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
13564     \thispagestyle{plain}\parindent\z@
13565     \parskip\z@ \@plus .3\p@\relax
13566     \let\item\@idxitem
13567 }{%
13568     \if@restonecol\onecolumn\else\clearpage\fi}
13569 \if@titlepage
13570 \renewcommand*\TitleFont{\rmfamily}
13571 \renewcommand*\maketitle{%
13572     \begin{titlepage}%
13573         \let\footnotesize\small
13574         \let\right@footnoterule\relax
13575         \let\left@footnoterule\relax
13576         \let\textwidth@footnoterule\relax
13577         \let \footnote \thanks
13578         \let \LTRfootnote \LTRthanks
13579         \let \RTLfootnote \RTLthanks
13580         \long\def\@makefnintext##1{\parindent\z@
13581             \def\labelitemi{\textendash}\@revlabeltrue
13582             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
13583     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13584     \if@compatibility\setcounter{page}{0}\fi
13585     \null\vfil
13586     \vskip 60\p@
13587     \begin{center}%
13588         \TitleFont
13589         {\LARGE \def\\{\penalty -\@M}
13590         \if@allcaps

```



```

13591         \expandafter\uc@nothanks\@title\thanks\relax
13592     \else
13593         \@title
13594     \fi\par}%
13595     \vskip 3em%
13596     {\large
13597         \lineskip .75em \parindent\z@
13598         \begin{tabular}[t]{c}%
13599             \if@allcaps
13600                 \expandafter\uc@authornothanks\@author\and\relax
13601             \else
13602                 \@author
13603             \fi
13604         \end{tabular}\par}%
13605     \vskip 1.5em%
13606     {\large
13607         \if@allcaps
13608             \uppercase\expandafter{\@date}%
13609         \else
13610             \@date
13611         \fi\par}%
13612     \end{center}\par
13613     \@thanks
13614     \vfil\null
13615     \end{titlepage}%
13616     \setcounter{footnote}{0}%
13617     \global\let\thanks\relax
13618     \global\let\LTRthanks\relax
13619     \global\let\RTLthanks\relax
13620     \global\let\maketitle\relax
13621     \global\let\@thanks\@empty
13622     \global\let\@author\@empty
13623     \global\let\@title\@empty
13624     \global\let\@date\@empty
13625     \global\let\title\relax
13626     \global\let\author\relax
13627     \global\let\date\relax
13628     \global\let\and\relax
13629 }
13630 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
13631 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
13632     \futurelet\@tempa\uc@ax}
13633 \def\uc@ax{%
13634     \ifx\@tempa\relax
13635     \else
13636         \\\andname \\\expandafter\uc@authornothanks
13637     \fi}
13638 \def\uc@tx{\ifx\@tempa\relax
13639     \else \expandafter\uc@ty \fi}
13640 \def\uc@ty#1{\thanks{#1}\uc@nothanks}

```



```

13641 \else
13642 \renewcommand*\maketitle{\par
13643   \begingroup
13644     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13645     \def\@makefnmark{\rlap{%
13646       \@textsuperscript{\normalfont\@thefnmark}}}%
13647     \long\def\@makefntext{\@xmakefntext{%
13648       \@textsuperscript{\normalfont\@thefnmark}}}%
13649     \if@twocolumn
13650       \ifnum \col@number=\@one
13651         \@maketitle
13652       \else
13653         \twocolumn[\@maketitle]%
13654       \fi
13655     \else
13656       \newpage
13657       \global\@topnum\z@
13658       \@maketitle
13659     \fi
13660     \thispagestyle{plain}\@thanks
13661   \endgroup
13662   \setcounter{footnote}{0}%
13663   \global\let\thanks\relax
13664   \global\let\LTRthanks\relax
13665   \global\let\RTLthanks\relax
13666   \global\let\maketitle\relax
13667   \global\let\@maketitle\relax
13668   \global\let\@thanks\@empty
13669   \global\let\@author\@empty
13670   \global\let\@title\@empty
13671   \global\let\@date\@empty
13672   \global\let\title\relax
13673   \global\let\author\relax
13674   \global\let\date\relax
13675   \global\let\and\relax
13676 }
13677 \def\@maketitle{%
13678   \newpage
13679   \null
13680   \vskip 2em%
13681   \if@titlecentered
13682     \begin{center}%
13683       \let \footnote \thanks
13684       \let \LTRfootnote \LTRthanks
13685       \let \RTLfootnote \RTLthanks
13686       {\LARGE \TitleFont \@title \par}%
13687       \vskip 1.5em%
13688       {\large \TitleFont
13689         \lineskip .5em%
13690         \begin{tabular}[t]{c}%

```



```

13691         \@author
13692         \end{tabular}\par}%
13693         \vskip 1em%
13694         {\large \TitleFont \@date}%
13695     \end{center}}%
13696 \else
13697     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
13698     {\large \TitleFont \lineskip .5em \tabcolsep\z@
13699         \def\and{%% \begin{tabular} has already started
13700             \end{tabular}\hskip 1em plus .17fil
13701             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
13702             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
13703     \vskip 1em {\large \TitleFont \@date}
13704 \fi
13705 \par
13706 \vskip 1.5em}
13707 \fi
13708 \renewcommand*\@regtocline[3]{%
13709     \ifnum #1>\c@tocdepth
13710     \else
13711         \vskip\z@\@plus.2\p@
13712         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
13713         \if@RTL\rightskip\else\leftskip\fi\unitindent
13714         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
13715         \parfillskip\z@
13716         \@tempdima\unitindent
13717         \parindent\z@
13718         \leavevmode
13719         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
13720         \hskip 1em \nobreak{\slshape #3}\par
13721     }%
13722 \fi}
13723 \if@oldtoc
13724 \renewcommand*\l@part[2]{%
13725     \ifnum \c@tocdepth >-2\relax
13726         \addpenalty{-\@highpenalty}%
13727         \addvspace{2.25em \@plus\p@}%
13728         \begingroup
13729             \setlength\@tempdima{3em}%
13730             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13731             \parfillskip -\@pnumwidth
13732             {\leavevmode
13733                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13734                 \nobreak
13735                 \global\@nobreaktrue
13736                 \everypar{\global\@nobreakfalse\everypar{}}%
13737             \endgroup
13738         \fi}
13739 \else
13740     \renewcommand*\l@part{%

```



```

13741 \ifnum \c@tocdepth >-2\relax
13742 \addpenalty{-\@highpenalty}%
13743 \addvspace{2.25em \@plus \p@}%
13744 \@regtocline{0}%
13745 \fi}
13746 \fi
13747 \if@oldtoc
13748 \renewcommand*\l@chapter[2]{%
13749 \addpenalty{-\@highpenalty}%
13750 \vskip 1.0em \@plus \p@
13751 \setlength\@tempdima{1.5em}%
13752 \begingroup
13753 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13754 \parfillskip -\@pnumwidth
13755 \leavevmode \bfseries
13756 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13757 \hskip -\if@RTL\rightskip\else\leftskip\fi
13758 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13759 \penalty\@highpenalty
13760 \endgroup}
13761 \else
13762 \renewcommand*\l@chapter{\@regtocline{0}}
13763 \fi
13764 \renewcommand*\head@style{%
13765 \interlinepenalty \@M
13766 \hyphenpenalty=\@M \exhyphenpenalty=\@M
13767 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
13768 \if@titlepage
13769 \renewenvironment{abstract}{%
13770 \titlepage
13771 \null\vfil
13772 \section*\SectFont\abstractname}%
13773 \noindent\ignorespaces}
13774 {\par\vfil\null\endtitlepage}
13775 \else
13776 \renewenvironment{abstract}{%
13777 \if@twocolumn
13778 \section*\abstractname}%
13779 \else
13780 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
13781 \section*\small\SectFont\abstractname}%
13782 \noindent\ignorespaces
13783 \fi}
13784 {\if@twocolumn\else\par\egroup\fi}
13785 \fi
13786 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
13787 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
13788 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
13789 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
13790 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}

```



```

13791 \renewcommand*\thefigure{%
13792   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
13793 \renewcommand*\thetable{%
13794   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
13795 \renewcommand*\theequation{%
13796   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
13797 \renewenvironment{thebibliography}[1]
13798   {\chapter*{\bibname}%
13799    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
13800    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
13801    \list{\@biblabel{\@arabic\c@enumiv}}%
13802      {\settowidth\labelwidth{\@biblabel{#1}}%
13803       \leftmargin\labelwidth
13804       \advance\leftmargin\labelsep
13805       \@openbib@code
13806       \usecounter{enumiv}%
13807       \let\p@enumiv\@empty
13808       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
13809    \sloppy\clubpenalty4000\widowpenalty4000%
13810    \sfcode`.\@m}
13811    {\def\@noitemerr
13812     {\@latex@warning{Empty `thebibliography' environment}}%
13813     \endlist}
13814 \renewcommand*\left@footnoterule{%
13815   \kern-3\p@
13816   \kern.5\baselineskip
13817   \hrule\@width\unitindent
13818   \kern.4\baselineskip
13819 }
13820 \renewcommand*\right@footnoterule{%
13821   \kern-3\p@
13822   \kern.5\baselineskip
13823   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
13824   \kern.4\baselineskip}
13825 \renewcommand*\head@style{%
13826   \interlinepenalty \@M
13827   \hyphenpenalty=\@M \exhyphenpenalty=\@M
13828   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

7.95 refrep-xetex-bidi.def

```

13829 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for XeTeX]
13830 \if@titlepage
13831   \renewcommand\maketitle{\begin{titlepage}%
13832     \let\footnotesize\small
13833     \let\right@footnoterule\relax
13834     \let\left@footnoterule\relax
13835     \let\textwidth\footnoterule\relax
13836     \let\footnote\thanks
13837     \let\LTRfootnote\LTRthanks

```



```

13838 \let\RTLfootnote\RTLthanks
13839 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13840 \def\@makefnmark%
13841     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13842 \long\def\@makefntext##1{%
13843     \setpar{\@par
13844         \tempdima = \hsize
13845         \advance\tempdima -1em
13846         \parshape \@ne 1em \tempdima}%
13847     \par\parindent 1em \noindent
13848     \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
13849 \null\vfil
13850 \vskip 60\p@
13851 \begin{center}%
13852     {\LARGE \@title \par}%
13853     \vskip 3em%
13854     {\large
13855         \lineskip .75em%
13856         \begin{tabular}[t]{c}%
13857             \@author
13858         \end{tabular}\par}%
13859     \vskip 1.5em%
13860     {\large \@date \par}%           % Set date in \large size.
13861 \end{center}\par
13862 \@thanks
13863 \vfil\null
13864 \end{titlepage}%
13865 \setcounter{footnote}{0}%
13866 \global\let\thanks\relax
13867 \global\let\LTRthanks\relax
13868 \global\let\RTLthanks\relax
13869 \global\let\maketitle\relax
13870 \global\let\@thanks\@empty
13871 \global\let\@author\@empty
13872 \global\let\@date\@empty
13873 \global\let\@title\@empty
13874 \global\let\title\relax
13875 \global\let\author\relax
13876 \global\let\date\relax
13877 \global\let\and\relax
13878 }
13879 \else
13880 \renewcommand\maketitle{\par
13881     \begingroup
13882         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13883         \def\@makefnmark%
13884             {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13885         \long\def\@makefntext##1{%
13886             \setpar{\@par
13887                 \tempdima = \hsize

```



```

13888         \advance\@tempdima -1em
13889         \parshape \@ne 1em \@tempdima}%
13890         \par\parindent 1em \noindent
13891         \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
13892     \if@twocolumn
13893         \ifnum \col@number=\@ne
13894             \@maketitle
13895         \else
13896             \twocolumn[\@maketitle]%
13897         \fi
13898     \else
13899         \newpage
13900         \global\@topnum\z@    % Prevents figures from going at top of page.
13901         \@maketitle
13902     \fi
13903     \thispagestyle{empty}\@thanks
13904 \endgroup
13905 \setcounter{footnote}{0}%
13906 \global\let\thanks\relax
13907 \global\let\LTRthanks\relax
13908 \global\let\RTLthanks\relax
13909 \global\let\maketitle\relax
13910 \global\let\@maketitle\relax
13911 \global\let\@thanks\@empty
13912 \global\let\@author\@empty
13913 \global\let\@date\@empty
13914 \global\let\@title\@empty
13915 \global\let\title\relax
13916 \global\let\author\relax
13917 \global\let\date\relax
13918 \global\let\and\relax
13919 }
13920 \def\@maketitle{%
13921     \newpage
13922     \null
13923     \longthickrule\vskip1.5em%
13924     \let \footnote \thanks
13925     \let \LTRfootnote \LTRthanks
13926     \let \RTLfootnote \RTLthanks
13927     {\secshape \parskip\z@ \parindent\z@
13928     \Large\bfseries \@title \par}%
13929     \vskip1.5em\longthickrule\vskip1.5em%
13930     {\normalsize
13931     \lineskip .5em%
13932     \begin{flushright}%
13933         {\slshape\@author\par}
13934         \vskip 1em%
13935         {\@date}%
13936     \end{flushright}\par}%
13937     \vskip 1.5em}

```




```

13938 \fi
13939 \renewcommand*\l@part[2]{%
13940   \ifnum \c@tocdepth >-2\relax
13941     \addpenalty{-\@highpenalty}%
13942     \addvspace{2.25em \@plus\p@}%
13943     \begingroup
13944       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13945       \parfillskip -\@pnumwidth
13946       {\leavevmode
13947         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
13948       \nobreak
13949       \global\@nobreaktrue
13950       \everypar{\global\@nobreakfalse\everypar{}}%
13951     \endgroup
13952 \fi}
13953 \renewcommand*\l@chapter[2]{%
13954   \ifnum \c@tocdepth >\m@ne
13955     \addpenalty{-\@highpenalty}%
13956     \vskip 1.0em \@plus\p@
13957     \setlength\@tempdima{1.5em}%
13958     \begingroup
13959       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13960       \parfillskip -\@pnumwidth
13961       \leavevmode \bfseries
13962       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13963       \hskip -\if@RTL\rightskip\else\leftskip\fi
13964       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13965       \penalty\@highpenalty
13966     \endgroup
13967 \fi}
13968 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
13969   \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
13970   \hyphenpenalty=2000}
13971 \renewcommand\left@footnoterule{%
13972   \kern-3\p@
13973   \hrule\@width.4\columnwidth
13974   \kern 2.6\p@}
13975 \renewcommand\right@footnoterule{%
13976   \kern-3\p@
13977   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13978   \kern2.6\p@}
13979 \renewcommand\theequation
13980 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13981 \renewcommand\thefigure
13982 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
13983 \renewcommand\thetable%
13984 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
13985 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
13986 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
13987 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}

```



```

13988 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
13989 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
13990 \renewenvironment{thebibliography}[1]
13991     {\chapter*{\bibname
13992       \mkboth{\bibname}{\bibname}}}%
13993     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13994     \list{\@biblabel{\@arabic\c@enumiv}}%
13995         {\settowidth\labelwidth{\@biblabel{#1}}%
13996          \leftmargin\labelwidth
13997          \advance\leftmargin\labelsep
13998          \@openbib@code
13999          \usecounter{enumiv}}%
14000     \let\p@enumiv\@empty
14001     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
14002     \sloppy
14003     \clubpenalty4000
14004     \@clubpenalty \clubpenalty
14005     \widowpenalty4000%
14006     \sfcode`\.=\@m}
14007     {\def\@noitemerr
14008       {\@latex@warning{Empty `thebibliography' environment}}}%
14009     \endlist}

```

7.96 report-xetex-bidi.def

```

14010 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report class]
14011 \renewenvironment{theindex}
14012     {\if@twocolumn
14013       \@restonecolfalse
14014       \else
14015         \@restonecoltrue
14016       \fi
14017       \columnseprule \z@
14018       \columnsep 35\p@
14019       \twocolumn[\@makeschapterhead{\indexname}]%
14020       \@mkboth{\MakeUppercase\indexname}%
14021               {\MakeUppercase\indexname}%
14022       \thispagestyle{plain}\parindent\z@
14023       \parskip\z@ \@plus .3\p@\relax
14024       \let\item\@idxitem}
14025     {\if@restonecol\onecolumn\else\clearpage\fi}
14026 \if@titlepage
14027 \renewcommand\maketitle{\begin{titlepage}%
14028 \let\footnotesize\small
14029 \let\right@footnoterule\relax
14030 \let\left@footnoterule\relax
14031 \let\textwidth\footnoterule\relax
14032 \let \footnote \thanks
14033 \let \LTRfootnote \LTRthanks
14034 \let \RTLfootnote \RTLthanks

```



```

14035 \null\vfil
14036 \vskip 60\p@
14037 \begin{center}%
14038   {\LARGE \@title \par}%
14039   \vskip 3em%
14040   {\large
14041     \lineskip .75em%
14042     \begin{tabular}[t]{c}%
14043       \@author
14044     \end{tabular}\par}%
14045   \vskip 1.5em%
14046   {\large \@date \par}%           % Set date in \large size.
14047 \end{center}\par
14048 \@thanks
14049 \vfil\null
14050 \end{titlepage}%
14051 \setcounter{footnote}{0}%
14052 \global\let\thanks\relax
14053 \global\let\LTRthanks\relax
14054 \global\let\RTLthanks\relax
14055 \global\let\maketitle\relax
14056 \global\let\@thanks\@empty
14057 \global\let\@author\@empty
14058 \global\let\@date\@empty
14059 \global\let\@title\@empty
14060 \global\let\title\relax
14061 \global\let\author\relax
14062 \global\let\date\relax
14063 \global\let\and\relax
14064 }
14065 \else
14066 \renewcommand\maketitle{\par
14067   \begingroup
14068     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
14069     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
14070     \long\def\@makefntext##1{\parindent 1em\noindent
14071       \hb@xt@1.8em{%
14072         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
14073     \if@twocolumn
14074       \ifnum \col@number=\@one
14075         \@maketitle
14076       \else
14077         \twocolumn[\@maketitle]%
14078       \fi
14079     \else
14080       \newpage
14081       \global\@topnum\z@   % Prevents figures from going at top of page.
14082       \@maketitle
14083     \fi
14084     \thispagestyle{plain}\@thanks

```



```

14085 \endgroup
14086 \setcounter{footnote}{0}%
14087 \global\let\thanks\relax
14088 \global\let\LTRthanks\relax
14089 \global\let\RTLthanks\relax
14090 \global\let\maketitle\relax
14091 \global\let\@maketitle\relax
14092 \global\let\@thanks\@empty
14093 \global\let\@author\@empty
14094 \global\let\@date\@empty
14095 \global\let\@title\@empty
14096 \global\let\title\relax
14097 \global\let\author\relax
14098 \global\let\date\relax
14099 \global\let\and\relax
14100 }
14101 \def\@maketitle{%
14102 \newpage
14103 \null
14104 \vskip 2em%
14105 \begin{center}%
14106 \let \footnote \thanks
14107 \let \LTRfootnote \LTRthanks
14108 \let \RTLfootnote \RTLthanks
14109 {\LARGE \@title \par}%
14110 \vskip 1.5em%
14111 {\large
14112 \lineskip .5em%
14113 \begin{tabular}[t]{c}%
14114 \@author
14115 \end{tabular}\par}%
14116 \vskip 1em%
14117 {\large \@date}%
14118 \end{center}%
14119 \par
14120 \vskip 1.5em}
14121 \fi
14122 \renewcommand*\l@part[2]{%
14123 \ifnum \c@tocdepth >-2\relax
14124 \addpenalty{-\@highpenalty}%
14125 \addvspace{2.25em \@plus\p@}%
14126 \setlength\@tempdima{3em}%
14127 \begin{group}
14128 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
14129 \parfillskip -\@pnumwidth
14130 {\leavevmode
14131 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14132 \nobreak
14133 \global\@nobreaktrue
14134 \everypar{\global\@nobreakfalse\everypar{}}%

```



```

14135 \endgroup
14136 \fi}
14137 \renewcommand*\l@chapter[2]{%
14138 \ifnum \c@tocdepth >\m@ne
14139 \addpenalty{-\@highpenalty}%
14140 \vskip 1.0em \@plus\p@
14141 \setlength\@tempdima{1.5em}%
14142 \begingroup
14143 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14144 \parfillskip -\@pnumwidth
14145 \leavevmode \bfseries
14146 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14147 \hskip -\if@RTL\rightskip\else\leftskip\fi
14148 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14149 \penalty\@highpenalty
14150 \endgroup
14151 \fi}
14152 \renewcommand\left@footnoterule{%
14153 \kern-3\p@
14154 \hrule\@width.4\columnwidth
14155 \kern2.6\p@}
14156 \renewcommand\right@footnoterule{%
14157 \kern-3\p@
14158 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14159 \kern2.6\p@}
14160 \renewcommand\theequation
14161 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14162 \renewcommand \thefigure
14163 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
14164 \renewcommand \thetable
14165 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
14166 \renewcommand \thechapter {\@arabic\c@chapter}
14167 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
14168 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
14169 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14170 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
14171 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
14172 \def\@makechapterhead#1{%
14173 \vspace*{50\p@}%
14174 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
14175 \ifnum \c@secnumdepth >\m@ne
14176 \huge\bfseries \@chapapp\space \thechapter
14177 \par\nobreak
14178 \vskip 20\p@
14179 \fi
14180 \interlinepenalty\@M
14181 \Huge \bfseries #1\par\nobreak
14182 \vskip 40\p@
14183 }}
14184 \def\@makeschapterhead#1{%

```



```

14185 \vspace*{50\p@}%
14186 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
14187 \normalfont
14188 \interlinepenalty\@M
14189 \Huge \bfseries #1\par\nobreak
14190 \vskip 40\p@
14191 }}
14192 \renewenvironment{thebibliography}[1]
14193 {\chapter*{\bibname}%
14194 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14195 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14196 \list{\@biblabel{\@arabic\c@enumiv}}%
14197 {\settowidth\labelwidth{\@biblabel{#1}}%
14198 \leftmargin\labelwidth
14199 \advance\leftmargin\labelsep
14200 \openbib@code
14201 \usecounter{enumiv}%
14202 \let\p@enumiv\@empty
14203 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
14204 \sloppy
14205 \clubpenalty4000
14206 \@clubpenalty \clubpenalty
14207 \widowpenalty4000%
14208 \sfcode`.\@m}
14209 {\def\@noitemerr
14210 {\@latex@warning{Empty `thebibliography' environment}}%
14211 \endlist}

```

7.97 rotating-xetex-bidi.def

```

14212 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
14213 \def\end@rotfloat{%
14214 \end{minipage}\end{lrbox}%
14215 \stepcounter{r@tfl@t}%
14216 \rot@label{RF\ther@tfl@t}%
14217 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
14218 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
14219 \rot@mess@toks\expandafter{\@tempa}
14220 \wd\rot@float@box\z@
14221 \ht\rot@float@box\z@
14222 \dp\rot@float@box\z@
14223 \vboxL to \textheight{%
14224 \setkeys{Grot}{units=360}%
14225 \if@rot@twoside
14226 \else
14227 \let\R@@page\rot@LR
14228 \fi
14229 \ifthenelse{\isodd{\R@@page}}{%
14230 \if@rot@twoside
14231 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%

```



```

14232 \fi
14233 \vfill
14234 \@@line{%
14235 \hskip\rotFPtop
14236 \rotatebox{90}{\box\rot@float@box}%
14237 \hskip\rotFPbot
14238 }%
14239 }{%
14240 \if@rot@twoside
14241 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
14242 \fi
14243 \@@line{%
14244 \hskip\rotFPbot
14245 \rotatebox{-90}{\box\rot@float@box}%
14246 \hskip\rotFPtop
14247 }%
14248 \vfill
14249 }%
14250 \rot@message{\the\rot@mess@toks}
14251 }%
14252 \end@float
14253 }
14254 \let\endsidewaysfigure\end@rotfloat
14255 \let\endsidewaysstable\end@rotfloat
14256 \def\end@rotdblfloat{%
14257 \end{minipage}\end{lrbox}%
14258 \stepcounter{r@tfl@t}%
14259 \rot@label{RF\ther@tfl@t}%
14260 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
14261 \edef\@tempa{Adding sideways \captype\space on page \R@@page\space}
14262 \rot@mess@toks\expandafter{\@tempa}
14263 \@tempdima\ht\rot@float@box
14264 \advance\@tempdima by \dp\rot@float@box
14265 \wd\rot@float@box\z@
14266 \ht\rot@float@box\z@
14267 \dp\rot@float@box\z@
14268 \vboxL to \textheight{%
14269 \setkeys{Grot}{units=360}%
14270 \if@rot@twoside
14271 \else
14272 \let\R@@page\rot@LR
14273 \fi
14274 \ifthenelse{\isodd{\R@@page}}{%
14275 \ifrot@messages
14276 \if@rot@twoside
14277 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
14278 \fi
14279 \fi
14280 \vfill
14281 \@@line{%

```



```

14282         \hskip\rotFPtop
14283         \rotatebox{90}{\box\rot@float@box}%
14284         \hskip\rotFPbot
14285     }%
14286 }{%
14287     \ifrot@messages
14288     \if@rot@twoside
14289     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
14290 \fi
14291     \fi%
14292     \@@line{%
14293         \hskip\rotFPbot
14294         \rotatebox{-90}{\box\rot@float@box}%
14295         \hskip\rotFPtop
14296     }%
14297     \vfill
14298 }%
14299     \rot@message{\the\rot@mess@toks}%
14300 }%
14301 \end@dblfloat
14302 }
14303 \def\turn#1{%
14304     \Grot@setangle{#1}%
14305     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
14306 \def\endturn{%
14307     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
14308     \unskip\color@endbox
14309     \Grot@x\z@
14310     \Grot@y\z@
14311     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14312 }
14313 \def\rotate#1{%
14314     \Grot@setangle{#1}%
14315     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
14316 \def\endrotate{%
14317     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
14318     \unskip\color@endbox
14319     \Grot@x\z@
14320     \Grot@y\z@
14321     \wd0\z@\dp0\z@\ht0\z@
14322     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14323 }
14324 \def\turnbox#1#2{%
14325     \Grot@setangle{#1}%
14326     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
14327     \Grot@x\z@\Grot@y\z@
14328     \wd0\z@\dp0\z@\ht0\z@
14329     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14330 }
14331 \def\sideways{%

```




```

14332 \Grot@setangle{90}%
14333 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
14334 \def\endsideways{%
14335 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
14336 \unskip\color@endbox
14337 \Grot@x\z@
14338 \Grot@y\z@
14339 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14340 }

```

7.98 scrartcl-xetex-bidi.def

```

14341 \ProvidesFile{scrartcl-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrartcl class for X
14342 \newcommand{\scr@saved@LTRfootnotetext}{}
14343 \newcommand{\scr@saved@RTLfootnotetext}{}
14344 \let\scr@saved@footnotetext\@footnotetext
14345 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
14346 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
14347 \renewcommand{\@footnotetext}[1]{%
14348 \scr@saved@footnotetext{#1}%
14349 \csname FN@mfp@prepare\endcsname
14350 }
14351 \renewcommand{\@LTRfootnotetext}[1]{%
14352 \scr@saved@LTRfootnotetext{#1}%
14353 \csname FN@mfp@prepare\endcsname
14354 }
14355 \renewcommand{\@RTLfootnotetext}[1]{%
14356 \scr@saved@RTLfootnotetext{#1}%
14357 \csname FN@mfp@prepare\endcsname
14358 }
14359 \renewcommand\deffootnote[4][1]{%
14360 \long\def\@makefn#1{%
14361 \setlength{\@tempdimc}{#3}%
14362 \def\@tempa{#1}\ifx\@tempa\@empty
14363 \setpar{\@par
14364 \@tempdima = \hsize
14365 \addtolength{\@tempdima}{-#2}%
14366 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
14367 \else
14368 \addtolength{\@tempdimc}{#2}%
14369 \addtolength{\@tempdimc}{-#1}%
14370 \setpar{\@par
14371 \@tempdima = \hsize
14372 \addtolength{\@tempdima}{-#1}%
14373 \@tempdimb = \hsize
14374 \addtolength{\@tempdimb}{-#2}%
14375 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
14376 }%
14377 \fi
14378 \par

```



```

14379 \parindent\@tempdimc\noindent
14380 \ftn@font\hbox to \z@\hss\@makefnmark\##1%
14381 }%
14382 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
14383 }
14384 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
14385 \renewcommand*\left@footnoterule{%
14386 \normalsize\ftn@rule@test@values
14387 \kern-\dimexpr 2.6\p+\ftn@rule@height\relax
14388 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14389 {\usekomafont{footnoterule}{%
14390 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14391 \kern 2.6\p@}
14392 \renewcommand*\right@footnoterule{%
14393 \normalsize\ftn@rule@test@values
14394 \kern-\dimexpr 2.6\p+\ftn@rule@height\relax
14395 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14396 {\usekomafont{footnoterule}{%
14397 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leaders
14398 \kern 2.6\p@}
14399 \renewcommand*\maketitle[1][1]{%
14400 \if@titlepage
14401 \begin{titlepage}
14402 \setcounter{page}{%
14403 #1%
14404 }%
14405 \let\footnotesize\small
14406 \let\right@footnoterule\relax
14407 \let\left@footnoterule\relax
14408 \let\textwidth@footnoterule\relax
14409 \let\footnote\thanks
14410 \let\LTRfootnote\LTRthanks
14411 \let\RTLfootnote\RTLthanks
14412 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14413 \let\@oldmakefnmark\@makefnmark
14414 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
14415 \ifx\@extratitle\@empty \else
14416 \noindent\@extratitle\next@tpage\cleardoubleemptypage
14417 \thispagestyle{empty}%
14418 \fi
14419 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14420 \ifx\@titlehead\@empty \else
14421 \begin{minipage}[t]{\textwidth}%
14422 \@titlehead
14423 \end{minipage}\par
14424 \fi
14425 \null\vfill
14426 \begin{center}
14427 \ifx\@subject\@empty \else
14428 {\subject@font \@subject \par}%

```



```

14429         \vskip 3em
14430     \fi
14431     {\titlefont\huge \@title\par}%
14432     \vskip 1em
14433     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14434     \vskip 2em
14435     {\Large \lineskip 0.75em
14436         \begin{tabular}[t]{c}
14437             \@author
14438         \end{tabular}\par
14439     }%
14440     \vskip 1.5em
14441     {\Large \@date \par}%
14442     \vskip \z@ \@plus3fill
14443     {\Large \@publishers \par}%
14444     \vskip 3em
14445     \end{center}\par
14446     \@thanks
14447     \vfill\null
14448     \if@twoside\next@tpage
14449         \begin{minipage}[t]{\textwidth}
14450             \@uppertitleback
14451         \end{minipage}\par
14452         \vfill
14453         \begin{minipage}[b]{\textwidth}
14454             \@lowertitleback
14455         \end{minipage}
14456     \fi
14457     \ifx\@dedication\@empty \else
14458         \next@tpage\null\vfill
14459         {\centering \Large \@dedication \par}%
14460         \vskip \z@ \@plus3fill
14461         \if@twoside \next@tpage\cleardoubleemptypage \fi
14462     \fi
14463     \end{titlepage}
14464 \else
14465     \par
14466     \@tempcnta=%
14467     #1%
14468     \relax\ifnum\@tempcnta=1\else
14469         \ClassWarning{\KOMAClassName}{%
14470             Optional argument of \string\maketitle\space ignored
14471             at\MessageBreak
14472             notitlepage-mode%
14473         }%
14474     \fi
14475     \begingroup
14476         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14477         \let\@oldmakefnmark\@makefnmark
14478         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}

```



```

14479     \if@twocolumn
14480         \ifnum \col@number=\@ne
14481             \@maketitle
14482         \else
14483             \twocolumn[\@maketitle]%
14484         \fi
14485     \else
14486         \newpage
14487         \global\@topnum\z@
14488         \@maketitle
14489     \fi
14490     \thispagestyle{\titlepagestyle}\@thanks
14491 \endgroup
14492 \fi
14493 \setcounter{footnote}{0}%
14494 \let\thanks\relax
14495 \let\LTRthanks\relax
14496 \let\RTLthanks\relax
14497 \let\maketitle\relax
14498 \let\@maketitle\relax
14499 \global\let\@thanks\@empty
14500 \global\let\@author\@empty
14501 \global\let\@date\@empty
14502 \global\let\@title\@empty
14503 \global\let\@subtitle\@empty
14504 \global\let\@extratitle\@empty
14505 \global\let\@titlehead\@empty
14506 \global\let\@subject\@empty
14507 \global\let\@publishers\@empty
14508 \global\let\@uppertitleback\@empty
14509 \global\let\@lowertitleback\@empty
14510 \global\let\@dedication\@empty
14511 \global\let\author\relax
14512 \global\let\title\relax
14513 \global\let\extratitle\relax
14514 \global\let\titlehead\relax
14515 \global\let\subject\relax
14516 \global\let\publishers\relax
14517 \global\let\uppertitleback\relax
14518 \global\let\lowertitleback\relax
14519 \global\let\dedication\relax
14520 \global\let\date\relax
14521 \global\let\and\relax
14522 }%
14523 \renewcommand*{\@maketitle}{%
14524     \clearpage
14525     \let\footnote\thanks
14526     \let\LTRfootnote\LTRthanks
14527     \let\RTLfootnote\RTLthanks
14528     \ifx\@extratitle\@empty \else

```



```

14529 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
14530 \fi
14531 \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
14532 \ifx\@titlehead\@empty \else
14533 \begin{minipage}[t]{\textwidth}
14534 \@titlehead
14535 \end{minipage}\par
14536 \fi
14537 \null
14538 \vskip 2em%
14539 \begin{center}%
14540 \ifx\@subject\@empty \else
14541 {\subject@font \@subject \par}
14542 \vskip 1.5em
14543 \fi
14544 {\titlefont\huge \@title \par}%
14545 \vskip .5em
14546 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14547 \vskip 1em
14548 {\Large
14549 \lineskip .5em%
14550 \begin{tabular}[t]{c}
14551 \@author
14552 \end{tabular}\par
14553 }%
14554 \vskip 1em%
14555 {\Large \@date \par}%
14556 \vskip \z@ \@plus 1em
14557 {\Large \@publishers \par}
14558 \ifx\@dedication\@empty \else
14559 \vskip 2em
14560 {\Large \@dedication \par}
14561 \fi
14562 \end{center}%
14563 \par
14564 \vskip 2em
14565 }%
14566 \renewcommand*{\l@part[2]}{%
14567 \ifnum \c@tocdepth >\m@ne\relax
14568 \addpenalty{\@secpenalty}%
14569 \addvspace{2.25em \@plus\p@}%
14570 \setlength{\@tempdima}{2em}%
14571 \if@tocleft
14572 \ifx\toc@l@number\@empty\else
14573 \setlength{\@tempdima}{0\toc@l@number}%
14574 \fi
14575 \fi
14576 \begingroup
14577 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14578 \parfillskip -\@pnumwidth

```



```

14579 \leavevmode
14580 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
14581 \hskip -\if@RTL\righskip\else\leftskip\fi
14582 {\usekomafont{partentry}{#1\nobreak
14583 \usekomafont{partentrypagenumber}{\hfil\nobreak
14584 \hb@xt@\@pnumwidth{\hss#2}}}\par
14585 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14586 \endgroup
14587 \penalty20010
14588 \else
14589 \if@compatibility
14590 \global\@nobreaktrue
14591 \everypar{\global\@nobreakfalse\everypar{}}%
14592 \else
14593 \penalty\@highpenalty
14594 \fi
14595 \endgroup
14596 \fi
14597 \fi
14598 }
14599 \renewcommand*\l@section[2]{%
14600 \ifnum \c@tocdepth >\z@
14601 \ifnum \lastpenalty<20009
14602 \addpenalty{\@secpenalty}%
14603 \fi
14604 \addvspace{1.0em \@plus\p@}%
14605 \setlength\@tempdima{1.5em}%
14606 \if@tocleft
14607 \ifx\toc@l@number\@empty\else
14608 \setlength\@tempdima{0\toc@l@number}%
14609 \fi
14610 \fi
14611 \begingroup
14612 \raggedsectionentry
14613 \parindent \z@ \advance\if@RTL\leftskip\else\righskip\fi \@pnumwidth
14614 \parfillskip -\@pnumwidth
14615 \interlinepenalty\@M
14616 \leavevmode
14617 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righsk
14618 {\usekomafont{sectionentry}{#1\nobreak
14619 \usekomafont{sectionentrypagenumber}{%
14620 \hfill\nobreak
14621 \hb@xt@\@pnumwidth{\hss#2}}}\par
14622 \endgroup
14623 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14624 \penalty20008
14625 \fi
14626 \fi
14627 }
14628 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}

```



```

14629 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
14630 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
14631 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
14632 \renewcommand*{\thesubsubsection}{%
14633   \thesubsection\@SepMark\@arabic\c@subsubsection
14634 }
14635 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14636 \renewcommand*{\thesubparagraph}{%
14637   \theparagraph\@SepMark\@arabic\c@subparagraph
14638 }
14639 \renewenvironment{thebibliography}[1]{%
14640   \if@bib@break@
14641     \bib@beginhook
14642   \else
14643     \bib@heading
14644     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
14645       \noindent\bibpreamble\par\nobreak
14646     \fi\fi
14647     \bib@beginhook
14648     \bib@before@hook
14649   \fi
14650   \renewcommand{\BreakBibliography}[1]{%
14651     \@bib@break
14652     \end{thebibliography}%
14653     \begingroup ##1\endgroup
14654     \begin{thebibliography}{#1}
14655   }%
14656   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14657   \list{%
14658     \@biblabel{\@arabic\c@enumiv}%
14659   }{%
14660     \settowidth\labelwidth{\@biblabel{#1}}%
14661     \leftmargin\labelwidth
14662     \advance\leftmargin\labelsep
14663     \@openbib@code
14664     \if@bib@break@
14665       \edef\@tempa{%
14666         \noexpand\usecounter{enumiv}%
14667         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
14668       }\@tempa
14669       \no@bib@break
14670     \else
14671       \usecounter{enumiv}%
14672     \fi
14673     \let\p@enumiv\@empty
14674     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
14675   }%
14676   \sloppy\clubpenalty4000 \widowpenalty4000
14677   \sfcode`\.=\@m
14678 }{%

```



```

14679 \if@bib@break@
14680 \def\@noitemerr{%
14681 \latex@warning{%
14682 \string\BreakBibliography\space at begin of `thebibliography'
14683 environment\MessageBreak
14684 or following \string\BreakBibliography}}%
14685 }%
14686 \else
14687 \def\@noitemerr{%
14688 \latex@warning{%
14689 Empty `thebibliography' environment or
14690 \string\BreakBibliography\MessageBreak
14691 before end of `thebibliography' environment}}%
14692 }%
14693 \fi
14694 \endlist
14695 \if@bib@break@
14696 \else
14697 \bib@after@hook
14698 \let\bib@before@hook\@empty
14699 \let\bib@after@hook\@empty
14700 \fi
14701 \bib@endhook
14702 }
14703 \renewcommand*\left@footnoterule{%
14704 \kern-3\p@
14705 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14706 \hrule\@width.4\columnwidth
14707 \kern 2.6\p@}
14708 \renewcommand*\right@footnoterule{%
14709 \kern-3\p@
14710 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14711 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14712 \kern2.6\p@}
14713 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
14714 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
14715 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
14716 \renewcommand\marginline[1]{%
14717 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
14718 }
14719 \renewcommand{\@makecaption}[3]{%
14720 \cap@margin
14721 \ifonelinecaptions
14722 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
14723 \let\scr@tmp@footnotetext=\@footnotetext
14724 \let\@footnotetext=\@gobble
14725 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
14726 \let\@LTRfootnotetext=\@gobble
14727 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
14728 \let\@RTLfootnotetext=\@gobble

```




```

14729 \sbox\@tempboxa{%
14730   {\capfont{\strut\ignorespaces
14731     #1{\caplabelfont{#2\captionformat}}}%
14732     #3\unskip\strut}}%
14733 }%
14734 \let\@footnotetext=\scr@tmp@footnotetext
14735 \let\scr@tmp@footnotetext=\undefined
14736 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
14737 \let\scr@tmp@LTRfootnotetext=\undefined
14738 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
14739 \let\scr@tmp@RTLfootnotetext=\undefined
14740 \setcounter{footnote}{\@tempcntb}%
14741 \setcounter{mpfootnote}{\@tempcnta}%
14742 \else
14743   \sbox\@tempboxa{\hspace*{2\cap@width}}%
14744 \fi
14745 \begingroup%
14746   \setlength{\@tempdima}{\cap@width}%
14747   \ifdim \wd\@tempboxa >\@tempdima
14748     \hb@xt@\hsize{%
14749       \setbox\@tempboxa\vbox{\hsize=\cap@width
14750         \ifdofullc@p
14751           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
14752             #1{\caplabelfont{#2\captionformat}}}%
14753             {#3\unskip\strut\par}}}%
14754         \else%
14755           \ifdim\cap@indent<\z@
14756             {\capfont{\strut\ignorespaces
14757               #1{\caplabelfont{#2\captionformat\par}}}%
14758               \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
14759           \else%
14760             \if@capbreak
14761               {\capfont{\strut\ignorespaces
14762                 #1{\caplabelfont{#2\captionformat\par}}}%
14763                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
14764             \else
14765               {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
14766                 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
14767                   {\caplabelfont{#2\captionformat}}}%#3\unskip\strut\par}}}%
14768               \fi
14769             \fi
14770           \fi
14771         }%
14772       \setlength{\@tempdima}{\ht\@tempboxa}%
14773       \addtolength{\@tempdima}{\dp\@tempboxa}%
14774       \addtolength{\@tempdima}{-\ht\strutbox}%
14775       \ht\@tempboxa\ht\strutbox
14776       \dp\@tempboxa\@tempdima
14777       \strut\cap@left
14778       \box\@tempboxa

```



```

14779         \cap@right\strut
14780     }%
14781     \else
14782         \global \@minipagefalse
14783         \sbox\@tempboxa{%
14784             {\capfont{\scr@smashdp{\strut\ignorespaces
14785                 #1{\caplabelfont{#2\captionformat}}}}}%
14786             #3}}%
14787         }%
14788         {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap
14789         \fi
14790     \endgroup
14791 }
14792 \renewcommand{\@makecaption}[2]{%
14793     \if@captionabove
14794         \vskip\belowcaptionskip
14795     \else
14796         \vskip\abovecaptionskip
14797     \fi
14798     \@makecaption\@firstofone{#1}{#2}%
14799     \if@captionabove
14800         \vskip\abovecaptionskip
14801     \else
14802         \vskip\belowcaptionskip
14803     \fi
14804 }
14805 \bidi@AfterFile{longtable-xetex-bidi.def}{%
14806     \@ifpackageloaded{caption2}{\@komalongtablefalse
14807         \scr@caption@before@longtable@warning{caption2}%
14808     }{}%
14809     \if@komalongtable
14810         \renewcommand{\LT@makecaption}[3]{%
14811             \noalign{%
14812                 \if@captionabove
14813                     \vskip\belowcaptionskip
14814                 \else
14815                     \vskip\abovecaptionskip
14816                 \fi
14817             }%
14818             \LT@mcol\LT@cols c{%
14819                 \hbox to\z@{\hss\parbox[t]{linewidth{%
14820                     \@makecaption{#1}{#2}{#3}%
14821                     \endgraf
14822                     \if@captionabove
14823                         \vskip\abovecaptionskip
14824                     \else
14825                         \vskip\belowcaptionskip
14826                     \fi
14827                 }}%
14828             \hss

```



```

14829     }%
14830   }%
14831 }%
14832 \renewcommand*{\scr@LT@array}{}%
14833 \let\scr@LT@array=\LT@array
14834 \renewcommand*{\LT@array}{%
14835   \let\scr@caption=\LT@caption
14836   \def\captionabove{\noalign{\global\@captionabovetrue}%
14837     \scr@caption}%
14838   \def\captionbelow{\noalign{\global\@captionabovefalse}%
14839     \scr@caption}%
14840   \if@tablecaptionabove
14841     \let\LT@caption=\captionabove
14842   \else
14843     \let\LT@caption=\captionbelow
14844   \fi
14845   \scr@LT@array
14846 }%
14847 \ClassInfo{\KOMAClassName}{%
14848   longtable captions redefined%
14849 }%
14850 \fi
14851 }

```

7.99 scrbook-xetex-bidi.def

```

14852 \ProvidesFile{scrbook-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrbook class for XeT
14853 \newcommand{\scr@saved@LTRfootnotetext}{}
14854 \newcommand{\scr@saved@RTLfootnotetext}{}
14855 \let\scr@saved@footnotetext\@footnotetext
14856 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
14857 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
14858 \renewcommand{\@footnotetext}[1]{%
14859   \scr@saved@footnotetext{#1}%
14860   \csname FN@mf@prepare\endcsname
14861 }
14862 \renewcommand{\@LTRfootnotetext}[1]{%
14863   \scr@saved@LTRfootnotetext{#1}%
14864   \csname FN@mf@prepare\endcsname
14865 }
14866 \renewcommand{\@RTLfootnotetext}[1]{%
14867   \scr@saved@RTLfootnotetext{#1}%
14868   \csname FN@mf@prepare\endcsname
14869 }
14870 \renewcommand\deffootnote[4][1]{%
14871   \long\def\@makefntext##1{%
14872     \setlength{\@tempdimc}{#3}%
14873     \def\@tempa{#1}\ifx\@tempa\@empty
14874       \setpar{\@par
14875         \@tempdima = \hsize

```



```

14876         \addtolength{\@tempdima}{-#2}%
14877         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
14878     \else
14879         \addtolength{\@tempdimc}{#2}%
14880         \addtolength{\@tempdimc}{-#1}%
14881         \@setpar{\@par
14882             \@tempdima = \hsize
14883             \addtolength{\@tempdima}{-#1}%
14884             \@tempdimb = \hsize
14885             \addtolength{\@tempdimb}{-#2}%
14886             \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
14887         }%
14888     \fi
14889     \par
14890     \parindent\@tempdimc\noindent
14891     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
14892 }%
14893 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
14894 }
14895 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
14896 \renewcommand*\left@footnoterule{%
14897     \normalsize\ftn@rule@test@values
14898     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14899     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14900     {\usekomafont{footnoterule}{%
14901         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14902     \kern 2.6\p@}
14903 \renewcommand*\right@footnoterule{%
14904     \normalsize\ftn@rule@test@values
14905     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14906     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14907     {\usekomafont{footnoterule}{%
14908         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
14909     \kern 2.6\p@}
14910 \renewcommand*\maketitle[1][1]{%
14911     \if@titlepage
14912         \begin{titlepage}
14913             \setcounter{page}{%
14914                 #1%
14915             }%
14916             \let\footnotesize\small
14917             \let\right@footnoterule\relax
14918             \let\left@footnoterule\relax
14919             \let\textwidth\footnoterule\relax
14920             \let\footnote\thanks
14921             \let\LTRfootnote\LTRthanks
14922             \let\RTLfootnote\RTLthanks
14923             \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14924             \let\@oldmakefnmark\@makefnmark
14925             \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%

```



```

14926 \ifx\@extratitle\@empty \else
14927 \noindent\@extratitle\next@tpage\cleardoubleemptypage
14928 \thispagestyle{empty}%
14929 \fi
14930 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14931 \ifx\@titlehead\@empty \else
14932 \begin{minipage}[t]{\textwidth}%
14933 \@titlehead
14934 \end{minipage}\par
14935 \fi
14936 \null\vfill
14937 \begin{center}
14938 \ifx\@subject\@empty \else
14939 {\subject@font \@subject \par}%
14940 \vskip 3em
14941 \fi
14942 {\titlefont\huge \@title\par}%
14943 \vskip 1em
14944 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14945 \vskip 2em
14946 {\Large \lineskip 0.75em
14947 \begin{tabular}[t]{c}
14948 \@author
14949 \end{tabular}}\par
14950 }%
14951 \vskip 1.5em
14952 {\Large \@date \par}%
14953 \vskip \z@ \@plus3fill
14954 {\Large \@publishers \par}%
14955 \vskip 3em
14956 \end{center}\par
14957 \@thanks
14958 \vfill\null
14959 \if@twoside\next@tpage
14960 \begin{minipage}[t]{\textwidth}
14961 \@uppertitleback
14962 \end{minipage}\par
14963 \vfill
14964 \begin{minipage}[b]{\textwidth}
14965 \@lowertitleback
14966 \end{minipage}
14967 \fi
14968 \ifx\@dedication\@empty \else
14969 \next@tpage\null\vfill
14970 {\centering \Large \@dedication \par}%
14971 \vskip \z@ \@plus3fill
14972 \if@twoside \next@tpage\cleardoubleemptypage \fi
14973 \fi
14974 \end{titlepage}
14975 \else

```



```

14976 \par
14977 \@tempcnta=%
14978 #1%
14979 \relax\ifnum\@tempcnta=1\else
14980 \ClassWarning{\KOMAClassName}{%
14981     Optional argument of \string\maketitle\space ignored
14982     at\MessageBreak
14983     notitlepage-mode%
14984 }%
14985 \fi
14986 \begingroup
14987 \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
14988 \let\@oldmakefnmark\@makefnmark
14989 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}
14990 \if@twocolumn
14991 \ifnum \col@number=\@ne
14992 \maketitle
14993 \else
14994 \twocolumn[\maketitle]%
14995 \fi
14996 \else
14997 \newpage
14998 \global\@topnum\z@
14999 \maketitle
15000 \fi
15001 \thispagestyle{\titlepagestyle}\@thanks
15002 \endgroup
15003 \fi
15004 \setcounter{footnote}{0}%
15005 \let\thanks\relax
15006 \let\LTRthanks\relax
15007 \let\RTLthanks\relax
15008 \let\maketitle\relax
15009 \let\@maketitle\relax
15010 \global\let\@thanks\@empty
15011 \global\let\@author\@empty
15012 \global\let\@date\@empty
15013 \global\let\@title\@empty
15014 \global\let\@subtitle\@empty
15015 \global\let\@extratitle\@empty
15016 \global\let\@titlehead\@empty
15017 \global\let\@subject\@empty
15018 \global\let\@publishers\@empty
15019 \global\let\@uppertitleback\@empty
15020 \global\let\@lowertitleback\@empty
15021 \global\let\@dedication\@empty
15022 \global\let\author\relax
15023 \global\let\title\relax
15024 \global\let\extratitle\relax
15025 \global\let\titlehead\relax

```



```

15026 \global\let\subject\relax
15027 \global\let\publishers\relax
15028 \global\let\uppertitleback\relax
15029 \global\let\lowertitleback\relax
15030 \global\let\dedication\relax
15031 \global\let\date\relax
15032 \global\let\and\relax
15033 }%
15034 \renewcommand*{\@maketitle}{%
15035 \clearpage
15036 \let\footnote\thanks
15037 \let\LTRfootnote\LTRthanks
15038 \let\RTLfootnote\RTLthanks
15039 \ifx\@extratitle\@empty \else
15040 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15041 \fi
15042 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15043 \ifx\@titlehead\@empty \else
15044 \begin{minipage}[t]{\textwidth}
15045 \@titlehead
15046 \end{minipage}\par
15047 \fi
15048 \null
15049 \vskip 2em%
15050 \begin{center}%
15051 \ifx\@subject\@empty \else
15052 {\subject@font \@subject \par}
15053 \vskip 1.5em
15054 \fi
15055 {\titlefont\huge \@title \par}%
15056 \vskip .5em
15057 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15058 \vskip 1em
15059 {\Large
15060 \lineskip .5em%
15061 \begin{tabular}[t]{c}
15062 \@author
15063 \end{tabular}\par
15064 }%
15065 \vskip 1em%
15066 {\Large \@date \par}%
15067 \vskip \z@ \@plus 1em
15068 {\Large \@publishers \par}
15069 \ifx\@dedication\@empty \else
15070 \vskip 2em
15071 {\Large \@dedication \par}
15072 \fi
15073 \end{center}%
15074 \par
15075 \vskip 2em

```



```

15076 }%
15077 \renewcommand*\l@part[2]{%
15078   \ifnum \c@tocdepth >-2\relax
15079     \addpenalty{-\@highpenalty}%
15080     \addvspace{2.25em \@plus\p@}%
15081     \setlength{\@tempdima}{2em}%
15082     \if@tocleft
15083       \ifx\toc@l@number\@empty\else
15084         \setlength{\@tempdima}{0\toc@l@number}%
15085       \fi
15086     \fi
15087     \begingroup
15088       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15089       \parfillskip -\@pnumwidth
15090       \leavevmode
15091       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15092       \hskip -\if@RTL\rightskip\else\leftskip\fi
15093       {\usekomafont{partentry}{#1\nobreak
15094         \usekomafont{partentrypagenumber}{\hfil\nobreak
15095           \hb@xt@\@pnumwidth{\hss#2}}}\par
15096       \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15097       \endgroup
15098       \penalty20010
15099     \else
15100       \penalty\@highpenalty
15101     \endgroup
15102   \fi
15103 \fi
15104 }\renewcommand*\l@part[2]{%
15105   \ifnum \c@tocdepth >-2\relax
15106     \addpenalty{-\@highpenalty}%
15107     \addvspace{2.25em \@plus\p@}%
15108     \setlength{\@tempdima}{2em}%
15109     \if@tocleft
15110       \ifx\toc@l@number\@empty\else
15111         \setlength{\@tempdima}{0\toc@l@number}%
15112       \fi
15113     \fi
15114     \begingroup
15115       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15116       \parfillskip -\@pnumwidth
15117       \leavevmode
15118       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15119       \hskip -\if@RTL\rightskip\else\leftskip\fi
15120       {\usekomafont{partentry}{#1\nobreak
15121         \usekomafont{partentrypagenumber}{\hfil\nobreak
15122           \hb@xt@\@pnumwidth{\hss#2}}}\par
15123       \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15124       \endgroup
15125       \penalty20010

```




```

15126         \else
15127             \penalty\@highpenalty
15128         \endgroup
15129     \fi
15130 \fi
15131 }
15132 \renewcommand*\l@chapter[2]{%
15133     \ifnum \c@tocdepth >\m@ne
15134         \ifnum \lastpenalty<20010
15135             \addpenalty{-\@highpenalty}%
15136         \fi
15137         \vskip 1.0em \@plus\p@
15138         \setlength\@tempdima{1.5em}%
15139         \if@tocleft
15140             \ifx\toc@l@number\@empty\else
15141                 \setlength\@tempdima{0\toc@l@number}%
15142             \fi
15143         \fi
15144         \begingroup
15145             \raggedchapterentry
15146         \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15147         \parfillskip -\@pnumwidth
15148         \interlinepenalty\@M
15149         \leavevmode
15150         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
15151         {\usekomafont{chapterentry}{#1\nobreak
15152             \usekomafont{chapterentrypagenumber}{%
15153                 \hfill\nobreak
15154                 \hb@xt@\@pnumwidth{\hss#2}}}\par
15155         \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15156         \endgroup
15157         \penalty20009
15158     \else
15159         \penalty\@highpenalty
15160     \endgroup
15161 \fi
15162 \fi
15163 }
15164 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15165 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15166 \renewcommand*\thesection{%
15167     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15168     \if@mainmatter\thechapter\@SepMark\fi
15169     \else
15170     \thechapter\@SepMark%
15171     \fi
15172     \@arabic\c@section
15173 }
15174 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15175 \renewcommand*\thesubsubsection{\%

```



```

15176 \thesubsection\@SepMark\@arabic\c@subsubsection
15177 }
15178 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15179 \renewcommand*{\thesubparagraph}{%
15180 \theparagraph\@SepMark\@arabic\c@subparagraph
15181 }
15182 \renewcommand*\thefigure{%
15183 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15184 \if@mainmatter\thechapter\@SepMark\fi
15185 \else
15186 \thechapter\@SepMark%
15187 \fi
15188 \@arabic\c@figure
15189 }
15190 \renewcommand*\thetable{%
15191 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15192 \if@mainmatter\thechapter\@SepMark\fi
15193 \else
15194 \thechapter\@SepMark%
15195 \fi
15196 \@arabic\c@table
15197 }
15198 \renewcommand*\theequation{%
15199 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15200 \if@mainmatter\thechapter\@SepMark\fi
15201 \else
15202 \thechapter\@SepMark%
15203 \fi
15204 \@arabic\c@equation
15205 }
15206 \renewenvironment{thebibliography}[1]{%
15207 \if@bib@break@
15208 \bib@beginhook
15209 \else
15210 \ifx\bibpreamble\relax\else\ifx\bibpreamble\empty\else
15211 \setchapterpreamble{\bibpreamble}%
15212 \fi\fi
15213 \bib@heading
15214 \bib@beginhook
15215 \bib@before@hook
15216 \fi
15217 \renewcommand{\BreakBibliography}[1]{%
15218 \@bib@break
15219 \end{thebibliography}%
15220 \begingroup ##1\endgroup
15221 \begin{thebibliography}{#1}
15222 }%
15223 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15224 \list{%
15225 \@biblabel{\@arabic\c@enumiv}%

```



```

15226 }{%
15227   \settowidth\labelwidth{\@biblabel{#1}}%
15228   \leftmargin\labelwidth
15229   \advance\leftmargin\labelsep
15230   \@openbib@code
15231   \if@bib@break@
15232     \edef\@tempa{%
15233       \noexpand\usecounter{enumiv}%
15234       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15235     }\@tempa
15236     \no@bib@break
15237   \else
15238     \usecounter{enumiv}%
15239   \fi
15240   \let\p@enumiv\@empty
15241   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15242 }%
15243 \sloppy\clubpenalty4000 \widowpenalty4000
15244 \sfcode`\.=\@m
15245 }{%
15246   \if@bib@break@
15247     \def\@noitemerr{%
15248       \@latex@warning{%
15249         \string\BreakBibliography\space at begin of `thebibliography'
15250         environment\MessageBreak
15251         or following \string\BreakBibliography}%
15252     }%
15253   \else
15254     \def\@noitemerr{%
15255       \@latex@warning{%
15256         Empty `thebibliography' environment or
15257         \string\BreakBibliography\MessageBreak
15258         before end of `thebibliography' environment}%
15259     }%
15260   \fi
15261   \endlist
15262   \if@bib@break@
15263   \else
15264     \bib@after@hook
15265     \let\bib@before@hook\@empty
15266     \let\bib@after@hook\@empty
15267   \fi
15268   \bib@endhook
15269 }
15270 \renewcommand*\left@footnoterule{%
15271   \kern-3\p@
15272   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15273   \hrule\@width.4\columnwidth
15274   \kern 2.6\p@}
15275 \renewcommand*\right@footnoterule{%

```



```

15276 \kern-3\p@
15277 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15278 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15279 \kern2.6\p@}
15280 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
15281 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15282 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15283 \renewcommand\marginline[1]{%
15284 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15285 }
15286 \renewcommand{\@makecaption}[3]{%
15287 \cap@margin
15288 \ifonelinecaptions
15289 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15290 \let\scr@tmp@footnotetext=\@footnotetext
15291 \let\@footnotetext=\@gobble
15292 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15293 \let\@LTRfootnotetext=\@gobble
15294 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15295 \let\@RTLfootnotetext=\@gobble
15296 \sbox\@tempboxa{%
15297 {\capfont{\strut\ignorespaces
15298 #1{\caplabelfont{#2\captionformat}}}%
15299 #3\unskip\strut}}%
15300 }%
15301 \let\@footnotetext=\scr@tmp@footnotetext
15302 \let\scr@tmp@footnotetext=\undefined
15303 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15304 \let\scr@tmp@LTRfootnotetext=\undefined
15305 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15306 \let\scr@tmp@RTLfootnotetext=\undefined
15307 \setcounter{footnote}{\@tempcntb}%
15308 \setcounter{mpfootnote}{\@tempcnta}%
15309 \else
15310 \sbox\@tempboxa{\hspace*{2\cap@width}}%
15311 \fi
15312 \begingroup%
15313 \setlength{\@tempdima}{\cap@width}%
15314 \ifdim \wd\@tempboxa >\@tempdima
15315 \hb@xt@\hsize{%
15316 \setbox\@tempboxa\vbox{\hsize=\cap@width
15317 \ifdofullc@p
15318 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15319 #1{\caplabelfont{#2\captionformat}}}}}%
15320 {#3\unskip\strut\par}}}%
15321 \else%
15322 \ifdim\cap@indent<\z@
15323 {\capfont{\strut\ignorespaces
15324 #1{\caplabelfont{#2\captionformat\par}}}%
15325 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%

```



```

15326         \else%
15327         \if@capbreak
15328             {\capfont{\strut\ignorespaces
15329                 #1{\caplabelfont{#2\captionformat\par}}}%
15330                 \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
15331         \else
15332             {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
15333                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15334                 {\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%
15335             \fi
15336         \fi
15337     \fi
15338 }%
15339 \setlength{\@tempdima}{\ht\@tempboxa}%
15340 \addtolength{\@tempdima}{\dp\@tempboxa}%
15341 \addtolength{\@tempdima}{-\ht\strutbox}%
15342 \ht\@tempboxa\ht\strutbox
15343 \dp\@tempboxa\@tempdima
15344 \strut\cap@left
15345 \box\@tempboxa
15346 \cap@right\strut
15347 }%
15348 \else
15349     \global \@minipagefalse
15350     \sbox\@tempboxa{%
15351         {\capfont{\scr@smashdp{\strut\ignorespaces
15352             #1{\caplabelfont{#2\captionformat}}}%
15353             #3}}%
15354     }%
15355     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
15356     \fi
15357 \endgroup
15358 }
15359 \renewcommand{\@makecaption}[2]{%
15360     \if@captionabove
15361         \vskip\belowcaptionskip
15362     \else
15363         \vskip\abovecaptionskip
15364     \fi
15365     \@@makecaption\@firstofone{#1}{#2}%
15366     \if@captionabove
15367         \vskip\abovecaptionskip
15368     \else
15369         \vskip\belowcaptionskip
15370     \fi
15371 }
15372 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15373     \@ifpackageloaded{caption2}{\@komalongtablefalse
15374         \scr@caption@before@longtable@warning{caption2}%
15375     }{}%

```



```

15376 \if@komalongtable
15377 \renewcommand{\LT@makecaption}[3]{%
15378 \noalign{%
15379 \if@captionabove
15380 \vskip\belowcaptionskip
15381 \else
15382 \vskip\abovecaptionskip
15383 \fi
15384 }%
15385 \LT@mcol\LT@cols c{%
15386 \hbox to\z@{\hss\parbox[t]{linewidth{%
15387 \@makecaption{#1}{#2}{#3}%
15388 \endgraf
15389 \if@captionabove
15390 \vskip\abovecaptionskip
15391 \else
15392 \vskip\belowcaptionskip
15393 \fi
15394 }%
15395 \hss
15396 }%
15397 }%
15398 }%
15399 \renewcommand*{\scr@LT@array}{}%
15400 \let\scr@LT@array=\LT@array
15401 \renewcommand*{\LT@array}{%
15402 \let\scr@caption=\LT@caption
15403 \def\captionabove{\noalign{\global\@captionabovetrue}%
15404 \scr@caption}%
15405 \def\captionbelow{\noalign{\global\@captionabovetrue}%
15406 \scr@caption}%
15407 \if@tablecaptionabove
15408 \let\LT@caption=\captionabove
15409 \else
15410 \let\LT@caption=\captionbelow
15411 \fi
15412 \scr@LT@array
15413 }%
15414 \ClassInfo{\KOMAClassName}{%
15415 longtable captions redefined%
15416 }%
15417 \fi
15418 }

```

7.100 scrlettr-xetex-bidi.def

```

15419 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for X
15420 \renewcommand\deffootnote[4][]{%
15421 \long\def\@makefn#1{%
15422 \edef\@tempa{#1}\ifx\@tempa\@empty

```



```

15423 \setpar{\@par
15424 \tempdima = \hsize
15425 \addtolength{\tempdima}{-#2}
15426 \ifRTL\parshape \@ne Opt \tempdima\else\parshape \@ne #2 \tempdima\fi}%
15427 \else
15428 \setpar{\@par
15429 \tempdima = \hsize
15430 \addtolength{\tempdima}{-#1}
15431 \tempdimb = \hsize
15432 \addtolength{\tempdimb}{-#2}
15433 \ifRTL\parshape \tw@ Opt \tempdima Opt \tempdimb\else\parshape \tw@ #1 \tempdima #2 \@t
15434 \fi
15435 \par
15436 \parindent #3\noindent
15437 \hbox to \z@{\hss\@makefnmark}##1}
15438 \def\@makefnmark{\hbox{#4}}
15439 }
15440 \def\footnote[1em]{1.5em}{1em}
15441 {\textsuperscript{\thefootnotemark}}
15442 \def\left@footnoterule{\kern-1\p@
15443 \hrule width 0.4\columnwidth
15444 \kern .6\p@}
15445 \def\right@footnoterule{%
15446 \kern-1\p@
15447 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15448 \kern .6\p@}
15449 \def\@datefield{\@reffalse
15450 \ifx\varyourref\@empty \else \@reftrue \fi
15451 \ifx\varyourmail\@empty \else \@reftrue \fi
15452 \ifx\varmyref\@empty \else \@reftrue \fi
15453 \ifx\varcustomer\@empty \else \@reftrue \fi
15454 \ifx\varinvoice\@empty \else \@reftrue \fi
15455 \ifx\varrefitemi\@empty \else \@reftrue \fi
15456 \ifx\varrefitemii\@empty \else \@reftrue \fi
15457 \ifx\varrefitemiii\@empty \else \@reftrue \fi
15458 \vskip -\parskip
15459 \vskip \refvskip
15460 \if@ref
15461 \ifx\varyourref\@empty \else
15462 \settowidth{\sc@temp}{\varyourref}
15463 \setbox0\hbox{\scriptsize \sf \yourrefname}
15464 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
15465 \parbox[t]{\sc@temp}{\noindent \box0\par \varyourref}\hfill
15466 \fi
15467 \ifx\varyourmail\@empty \else
15468 \settowidth{\sc@temp}{\varyourmail}
15469 \setbox0\hbox{\scriptsize \sf \yourmailname}
15470 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
15471 \parbox[t]{\sc@temp}{\noindent \box0\par \varyourmail}\hfill
15472 \fi

```



```

15473 \ifx\varmyref\@empty \else
15474 \settowidth{\sc@temp}{\varmyref}
15475 \setbox0\hbox{\scriptsize \sf \myrefname}
15476 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15477 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
15478 \fi
15479 \ifx\varcustomer\@empty \else
15480 \settowidth{\sc@temp}{\varcustomer}
15481 \setbox0\hbox{\scriptsize \sf \customername}
15482 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15483 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
15484 \fi
15485 \ifx\varinvoice\@empty \else
15486 \settowidth{\sc@temp}{\varinvoice}
15487 \setbox0\hbox{\scriptsize \sf \invoicename}
15488 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15489 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
15490 \fi
15491 \ifx\varrefitemi\@empty \else
15492 \settowidth{\sc@temp}{\varrefitemi}
15493 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
15494 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15495 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
15496 \fi
15497 \ifx\varrefitemii\@empty \else
15498 \settowidth{\sc@temp}{\varrefitemii}
15499 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
15500 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15501 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
15502 \fi
15503 \ifx\varrefitemiii\@empty \else
15504 \settowidth{\sc@temp}{\varrefitemiii}
15505 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
15506 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15507 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
15508 \fi
15509 \ifx\@date\@empty \else
15510 \settowidth{\sc@temp}{\@date}
15511 \setbox0\hbox{\scriptsize \sf \datename}
15512 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15513 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
15514 \fi
15515 \par
15516 \vspace{2.5\baselineskip}
15517 \else
15518 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
15519 \vspace{1.5\baselineskip}
15520 \fi}
15521 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
15522 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by

```




```

15523 -\sigindent \hspace{\sigindent}%
15524 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{\}\[\presig@ski
15525 \fromsig\strut}\par
15526 \vspace{1.5\baselineskip}}

```

7.101 scrreprt-xetex-bidi.def

```

15527 \ProvidesFile{scrreprt-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrreprt class for X
15528 \newcommand{\scr@saved@LTRfootnotetext}{}
15529 \newcommand{\scr@saved@RTLfootnotetext}{}
15530 \let\scr@saved@footnotetext\@footnotetext
15531 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15532 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15533 \renewcommand{\@footnotetext}[1]{%
15534   \scr@saved@footnotetext{#1}%
15535   \csname FN@mfp@prepare\endcsname
15536 }
15537 \renewcommand{\@LTRfootnotetext}[1]{%
15538   \scr@saved@LTRfootnotetext{#1}%
15539   \csname FN@mfp@prepare\endcsname
15540 }
15541 \renewcommand{\@RTLfootnotetext}[1]{%
15542   \scr@saved@RTLfootnotetext{#1}%
15543   \csname FN@mfp@prepare\endcsname
15544 }
15545 \renewcommand\deffootnote[4][1]{%
15546   \long\def\@makefnmark##1{%
15547     \setlength{\@tempdimc}{#3}%
15548     \def\@tempa{#1}\ifx\@tempa\@empty
15549       \setpar{\@par
15550         \@tempdima = \hsize
15551         \addtolength{\@tempdima}{-#2}%
15552         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15553       \else
15554         \addtolength{\@tempdimc}{#2}%
15555         \addtolength{\@tempdimc}{-#1}%
15556         \setpar{\@par
15557           \@tempdima = \hsize
15558           \addtolength{\@tempdima}{-#1}%
15559           \@tempdimb = \hsize
15560           \addtolength{\@tempdimb}{-#2}%
15561           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15562         }%
15563       \fi
15564       \par
15565       \parindent\@tempdimc\noindent
15566       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15567     }%
15568     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
15569 }

```



```

15570 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15571 \renewcommand*\left@footnoterule{%
15572   \normalsize\ftn@rule@test@values
15573   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15574   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15575   {\usekomafont{footnoterule}{%
15576     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15577   \kern 2.6\p@}
15578 \renewcommand*\right@footnoterule{%
15579   \normalsize\ftn@rule@test@values
15580   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15581   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15582   {\usekomafont{footnoterule}{%
15583     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
15584     \kern 2.6\p@}
15585 \renewcommand*\maketitle[1][1]{%
15586   \if@titlepage
15587     \begin{titlepage}
15588       \setcounter{page}{%
15589         #1%
15590       }%
15591       \let\footnotesize\small
15592       \let\right@footnoterule\relax
15593       \let\left@footnoterule\relax
15594       \let\textwidth@footnoterule\relax
15595       \let\footnote\thanks
15596       \let\LTRfootnote\LTRthanks
15597       \let\RTLfootnote\RTLthanks
15598       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15599       \let\@oldmakefnmark\@makefnmark
15600       \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
15601       \ifx\@extratitle\@empty \else
15602         \noindent\@extratitle\next@tpage\cleardoubleemptypage
15603         \thispagestyle{empty}%
15604       \fi
15605       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15606       \ifx\@titlehead\@empty \else
15607         \begin{minipage}[t]{\textwidth}%
15608           \@titlehead
15609         \end{minipage}\par
15610       \fi
15611       \null\vfill
15612       \begin{center}
15613         \ifx\@subject\@empty \else
15614           {\subject@font \@subject \par}%
15615           \vskip 3em
15616         \fi
15617         {\titlefont\huge \@title\par}%
15618         \vskip 1em
15619         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%

```



```

15620         \vskip 2em
15621         {\Large \lineskip 0.75em
15622           \begin{tabular}[t]{c}
15623             \@author
15624           \end{tabular}\par
15625         }%
15626         \vskip 1.5em
15627         {\Large \@date \par}%
15628         \vskip \z@ \@plus3fill
15629         {\Large \@publishers \par}%
15630         \vskip 3em
15631       \end{center}\par
15632       \@thanks
15633       \vfill\null
15634       \if@twoside\next@tpage
15635         \begin{minipage}[t]{\textwidth}
15636           \@uppertitleback
15637         \end{minipage}\par
15638         \vfill
15639         \begin{minipage}[b]{\textwidth}
15640           \@lowertitleback
15641         \end{minipage}
15642       \fi
15643       \ifx\@dedication\@empty \else
15644         \next@tpage\null\vfill
15645         {\centering \Large \@dedication \par}%
15646         \vskip \z@ \@plus3fill
15647         \if@twoside \next@tpage\cleardoubleemptypage \fi
15648       \fi
15649       \end{titlepage}
15650     \else
15651       \par
15652       \@tempcnta=%
15653       #1%
15654       \relax\ifnum\@tempcnta=1\else
15655         \ClassWarning{\KOMAClassName}{%
15656           Optional argument of \string\maketitle\space ignored
15657           at\MessageBreak
15658           notitlepage-mode%
15659         }%
15660       \fi
15661       \begingroup
15662         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15663         \let\@oldmakefnmark\@makefnmark
15664         \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}
15665         \if@twocolumn
15666           \ifnum \col@number=\@ne
15667             \@maketitle
15668           \else
15669             \twocolumn[\@maketitle]%

```



```

15670         \fi
15671     \else
15672         \newpage
15673         \global\@topnum\z@
15674         \@maketitle
15675     \fi
15676     \thispagestyle{\titlepagestyle}\@thanks
15677 \endgroup
15678 \fi
15679 \setcounter{footnote}{0}%
15680 \let\thanks\relax
15681 \let\LTRthanks\relax
15682 \let\RTLthanks\relax
15683 \let\maketitle\relax
15684 \let\@maketitle\relax
15685 \global\let\@thanks\@empty
15686 \global\let\@author\@empty
15687 \global\let\@date\@empty
15688 \global\let\@title\@empty
15689 \global\let\@subtitle\@empty
15690 \global\let\@extratitle\@empty
15691 \global\let\@titlehead\@empty
15692 \global\let\@subject\@empty
15693 \global\let\@publishers\@empty
15694 \global\let\@uppertitleback\@empty
15695 \global\let\@lowertitleback\@empty
15696 \global\let\@dedication\@empty
15697 \global\let\author\relax
15698 \global\let\title\relax
15699 \global\let\extratitle\relax
15700 \global\let\titlehead\relax
15701 \global\let\subject\relax
15702 \global\let\publishers\relax
15703 \global\let\uppertitleback\relax
15704 \global\let\lowertitleback\relax
15705 \global\let\dedication\relax
15706 \global\let\date\relax
15707 \global\let\and\relax
15708 }%
15709 \renewcommand*{\@maketitle}{%
15710     \clearpage
15711     \let\footnote\thanks
15712     \let\LTRfootnote\LTRthanks
15713     \let\RTLfootnote\RTLthanks
15714     \ifx\@extratitle\@empty \else
15715         \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15716     \fi
15717     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15718     \ifx\@titlehead\@empty \else
15719         \begin{minipage}[t]{\textwidth}

```



```

15720     \@titlehead
15721     \end{minipage}\par
15722 \fi
15723 \null
15724 \vskip 2em%
15725 \begin{center}%
15726     \ifx\@subject\@empty \else
15727         {\subject@font \@subject \par}
15728         \vskip 1.5em
15729     \fi
15730     {\titlefont\huge \@title \par}%
15731     \vskip .5em
15732 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15733 \vskip 1em
15734 {\Large
15735     \lineskip .5em%
15736     \begin{tabular}[t]{c}
15737         \@author
15738     \end{tabular}\par
15739 }%
15740 \vskip 1em%
15741 {\Large \@date \par}%
15742 \vskip \z@ \@plus 1em
15743 {\Large \@publishers \par}
15744 \ifx\@dedication\@empty \else
15745     \vskip 2em
15746     {\Large \@dedication \par}
15747 \fi
15748 \end{center}%
15749 \par
15750 \vskip 2em
15751 }%
15752 \renewcommand*{\l@part[2]}{%
15753     \ifnum \c@tocdepth >-2\relax
15754         \addpenalty{-\@highpenalty}%
15755         \addvspace{2.25em \@plus\p@}%
15756         \setlength{\@tempdima}{2em}%
15757         \if@tocleft
15758             \ifx\toc@l@number\@empty\else
15759                 \setlength\@tempdima{0\toc@l@number}%
15760             \fi
15761         \fi
15762         \begingroup
15763             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15764             \parfillskip -\@pnumwidth
15765             \leavevmode
15766             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15767             \hskip -\if@RTL\rightskip\else\leftskip\fi
15768             {\usekomafont{partentry}{#1\nobreak
15769                 \usekomafont{partentrypagenumber}{\hfil\nobreak

```



```

15770         \hb@xt@{\@pnumwidth{\hss#2}}}\par
15771         \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15772         \endgroup
15773         \penalty20010
15774         \else
15775         \penalty\@highpenalty
15776         \endgroup
15777     \fi
15778 \fi
15779 }
15780 \renewcommand*\l@chapter[2]{%
15781     \ifnum \c@tocdepth >\m@ne
15782     \ifnum \lastpenalty<20010
15783     \addpenalty{-\@highpenalty}%
15784     \fi
15785     \vskip 1.0em \@plus\p@
15786     \setlength\@tempdima{1.5em}%
15787     \if@tocleft
15788     \ifx\toc@l@number\@empty\else
15789     \setlength\@tempdima{0\toc@l@number}%
15790     \fi
15791     \fi
15792     \begingroup
15793     \raggedchapterentry
15794     \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15795     \parfillskip -\@pnumwidth
15796     \interlinepenalty\@M
15797     \leavevmode
15798     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
15799     {\usekomafont{chapterentry}{#1\nobreak
15800     \usekomafont{chapterentrypagenumber}{%
15801     \hfill\nobreak
15802     \hb@xt@{\@pnumwidth{\hss#2}}}\par
15803     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15804     \endgroup
15805     \penalty20009
15806     \else
15807     \penalty\@highpenalty
15808     \endgroup
15809     \fi
15810 \fi
15811 }
15812 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15813 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15814 \renewcommand*\thesection{%
15815     \thechapter\@SepMark%
15816     \@arabic\c@section
15817 }
15818 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
15819 \renewcommand*{\thesubsubsection}{%

```



```

15820 \thesubsection\@SepMark\@arabic\c@subsubsection
15821 }
15822 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15823 \renewcommand*{\thesubparagraph}{%
15824 \theparagraph\@SepMark\@arabic\c@subparagraph
15825 }
15826 \renewcommand*\thefigure{%
15827 \thechapter\@SepMark%
15828 \@arabic\c@figure
15829 }
15830 \renewcommand*\thetable{%
15831 \thechapter\@SepMark%
15832 \@arabic\c@table
15833 }
15834 \renewcommand*\theequation{%
15835 \thechapter\@SepMark%
15836 \@arabic\c@equation
15837 }
15838 \renewenvironment{thebibliography}[1]{%
15839 \if@bib@break@
15840 \bib@beginhook
15841 \else
15842 \ifx\bibpreamble\relax\else\ifx\bibpreamble\empty\else
15843 \setchapterpreamble{\bibpreamble}%
15844 \fi\fi
15845 \bib@heading
15846 \bib@beginhook
15847 \bib@before@hook
15848 \fi
15849 \renewcommand{\BreakBibliography}[1]{%
15850 \@bib@break
15851 \end{thebibliography}%
15852 \begingroup ##1\endgroup
15853 \begin{thebibliography}{#1}
15854 }%
15855 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15856 \list{%
15857 \@biblabel{\@arabic\c@enumiv}%
15858 }{%
15859 \settowidth\labelwidth{\@biblabel{#1}}%
15860 \leftmargin\labelwidth
15861 \advance\leftmargin\labelsep
15862 \@openbib@code
15863 \if@bib@break@
15864 \edef\@tempa{%
15865 \noexpand\usecounter{enumiv}%
15866 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15867 }\@tempa
15868 \no@bib@break
15869 \else

```



```

15870     \usecounter{enumiv}%
15871     \fi
15872     \let\p@enumiv\@empty
15873     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15874 }%
15875 \sloppy\clubpenalty4000 \widowpenalty4000
15876 \sfcode`\.=\@m
15877 }{%
15878 \if@bib@break@
15879     \def\@noitemerr{%
15880         \@latex@warning{%
15881             \string\BreakBibliography\space at begin of `thebibliography'
15882             environment\MessageBreak
15883             or following \string\BreakBibliography}%
15884         }%
15885     \else
15886         \def\@noitemerr{%
15887             \@latex@warning{%
15888                 Empty `thebibliography' environment or
15889                 \string\BreakBibliography\MessageBreak
15890                 before end of `thebibliography' environment}%
15891         }%
15892     \fi
15893 \endlist
15894 \if@bib@break@
15895 \else
15896     \bib@after@hook
15897     \let\bib@before@hook\@empty
15898     \let\bib@after@hook\@empty
15899 \fi
15900 \bib@endhook
15901 }
15902 \renewcommand*\left@footnoterule{%
15903     \kern-3\p@
15904     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15905     \hrule\@width.4\columnwidth
15906     \kern 2.6\p@}
15907 \renewcommand*\right@footnoterule{%
15908     \kern-3\p@
15909     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15910     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15911     \kern2.6\p@}
15912 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
15913 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
15914 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
15915 \renewcommand\marginline[1]{%
15916     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15917 }
15918 \renewcommand{\@makecaption}[3]{%
15919     \cap@margin

```




```

15920 \ifonelinecaptions
15921   \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15922   \let\scr@tmp@footnotetext=\@footnotetext
15923   \let\@footnotetext=\@gobble
15924   \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15925   \let\@LTRfootnotetext=\@gobble
15926   \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15927   \let\@RTLfootnotetext=\@gobble
15928   \sbox\@tempboxa{%
15929     {\capfont{\strut\ignorespaces
15930       #1{\caplabelfont{#2\captionformat}}}%
15931       #3\unskip\strut}}%
15932   }%
15933   \let\@footnotetext=\scr@tmp@footnotetext
15934   \let\scr@tmp@footnotetext=\undefined
15935   \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15936   \let\scr@tmp@LTRfootnotetext=\undefined
15937   \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15938   \let\scr@tmp@RTLfootnotetext=\undefined
15939   \setcounter{footnote}{\@tempcntb}%
15940   \setcounter{mpfootnote}{\@tempcnta}%
15941 \else
15942   \sbox\@tempboxa{\hspace*{2\cap@width}}%
15943 \fi
15944 \begingroup%
15945   \setlength{\@tempdima}{\cap@width}%
15946   \ifdim \wd\@tempboxa >\@tempdima
15947     \hb@xt@\hsize{%
15948       \setbox\@tempboxa\vbox{\hsize=\cap@width
15949         \ifdofullc@p
15950           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15951             #1{\caplabelfont{#2\captionformat}}}}}%
15952             #3\unskip\strut\par}}}%
15953         \else%
15954           \ifdim\cap@indent<\z@
15955             {\capfont{\strut\ignorespaces
15956               #1{\caplabelfont{#2\captionformat\par}}}%
15957               \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
15958             \else%
15959               \if@capbreak
15960                 {\capfont{\strut\ignorespaces
15961                   #1{\caplabelfont{#2\captionformat\par}}}%
15962                   \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
15963                 \else
15964                   {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
15965                     {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15966                       {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
15967                   \fi
15968               \fi
15969             \fi

```



```

15970     }%
15971     \setlength{\@tempdima}{\ht\@tempboxa}%
15972     \addtolength{\@tempdima}{\dp\@tempboxa}%
15973     \addtolength{\@tempdima}{-\ht\strutbox}%
15974     \ht\@tempboxa\ht\strutbox
15975     \dp\@tempboxa\@tempdima
15976     \strut\cap@left
15977     \box\@tempboxa
15978     \cap@right\strut
15979   }%
15980   \else
15981     \global \@minipagefalse
15982     \sbox\@tempboxa{%
15983       {\capfont{\scr@smashdp{\strut\ignorespaces
15984         #1{\caplabelfont{#2\captionformat}}}}}%
15985       #3}}%
15986   }%
15987   {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
15988   \fi
15989   \endgroup
15990 }
15991 \renewcommand{\@makecaption}[2]{%
15992   \if@captionabove
15993     \vskip\belowcaptionskip
15994   \else
15995     \vskip\abovecaptionskip
15996   \fi
15997   \@@makecaption\@firstofone{#1}{#2}%
15998   \if@captionabove
15999     \vskip\abovecaptionskip
16000   \else
16001     \vskip\belowcaptionskip
16002   \fi
16003 }
16004 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16005   \@ifpackageloaded{caption2}{\@komalongtablefalse
16006     \scr@caption@before@longtable@warning{caption2}%
16007   }{}%
16008   \if@komalongtable
16009     \renewcommand{\LT@makecaption}[3]{%
16010       \noalign{%
16011         \if@captionabove
16012           \vskip\belowcaptionskip
16013         \else
16014           \vskip\abovecaptionskip
16015         \fi
16016       }%
16017       \LT@mcol\LT@cols c{%
16018         \hbox to\z@{\hss\parbox[t]\linewidth{%
16019           \@@makecaption{#1}{#2}{#3}%

```



```

16020         \endgraf
16021         \if@captionabove
16022             \vskip\abovecaptionskip
16023         \else
16024             \vskip\belowcaptionskip
16025         \fi
16026     }%
16027     \hss
16028 }%
16029 }%
16030 }%
16031 \renewcommand*{\scr@LT@array}{}%
16032 \let\scr@LT@array=\LT@array
16033 \renewcommand*{\LT@array}{%
16034     \let\scr@caption=\LT@caption
16035     \def\captionabove{\noalign{\global\@captionabovetrue}%
16036         \scr@caption}%
16037     \def\captionbelow{\noalign{\global\@captionabovetrue}%
16038         \scr@caption}%
16039     \if@tablecaptionabove
16040         \let\LT@caption=\captionabove
16041     \else
16042         \let\LT@caption=\captionbelow
16043     \fi
16044     \scr@LT@array
16045 }%
16046 \ClassInfo{\KOMAClassName}{%
16047     longtable captions redefined%
16048 }%
16049 \fi
16050 }

```

7.102 sidecap-xetex-bidi.def

```

16051 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for XeTeX]
16052 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
16053     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}}\else%
16054     \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}}\fi}
16055 \renewcommand*{\SC@justify@caption}{\if@RTL%
16056     \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
16057     \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

7.103 soul-xetex-bidi.def

```

16058 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
16059 \long\def\SOUL@start#1{%
16060     \let\bidi@RTL@everypar\@empty
16061     \let\<\SOUL@lowerthan
16062     \let\>\empty
16063     \def\soulomit{\noexpand\soulomit}%
16064     \gdef\SOUL@eventuallyxhyphen##1{%

```



```

16065 \let\SOUL@soeventuallyskip\relax
16066 \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
16067 \@minus\fontdimen4\font
16068 \SOUL@ignorespacesfalse
16069 \leavevmode
16070 \SOUL@preamble
16071 \SOUL@lasttoken={}%
16072 \SOUL@word={}%
16073 \SOUL@minus\z@
16074 \SOUL@comma\z@
16075 \SOUL@apo\z@
16076 \SOUL@grave\z@
16077 \SOUL@do{#1}%
16078 \SOUL@postamble
16079 }}
16080 \def\SOUL@ulunderline#1{%
16081 \setbox\z@\hbox{#1}%
16082 \dimen@=\wd\z@
16083 \dimen@i=\SOUL@uloverlap
16084 \advance\dimen@2\dimen@i
16085 \if@RTL
16086 \unhcopy\z@
16087 \llap{%
16088 \null
16089 \kern-\dimen@i
16090 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
16091 }%
16092 \else
16093 \rlap{%
16094 \null
16095 \kern-\dimen@i
16096 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
16097 }%
16098 \unhcopy\z@
16099 \fi
16100 }}
16101 \def\bid@SOUL@ulleaders{%
16102 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\relax
16103 }
16104 \def\SOUL@uleveryspace#1{%
16105 \if@RTL
16106 #1%
16107 \bid@SOUL@ulleaders
16108 \hskip\spaceskip
16109 \else
16110 \SOUL@ulcolor{%
16111 #1%
16112 \SOUL@ulleaders
16113 \hskip\spaceskip
16114 }%

```



```

16115 \fi
16116 \null
16117 }

```

7.104 stabular-xetex-bidi.def

```

16118 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for
16119 \def\@stabular{\if@RTL\@RTLtabtrue\fi
16120 \leavevmode \bgroup \if@RTLtab\beginR \fi
16121 \let\@acol\@tabacol
16122 \let\@classz\@tabclassz
16123 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
16124 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
16125 \egroup \if@RTLtab\endR\fi\egroup
16126 \@RTLtabfalse}
16127 \expandafter \let \csname endstabular*\endcsname = \endstabular
16128 \def\@sarray[#1]#2{%
16129 \bgroup
16130 \setbox\@arstrutbox\hbox{%
16131 \vrule \@height\arraystretch\ht\strutbox
16132 \@depth\arraystretch \dp\strutbox
16133 \@width\z@}%
16134 \@mkpream{#2}%
16135 \edef\@preamble{%
16136 \ialign \noexpand\@halignto
16137 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
16138 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
16139 \let\@tabularnewline\\%
16140 \let\@sharp##%
16141 \set@typeset@protect
16142 \lineskip\z@skip\baselineskip\z@skip
16143 \if@RTLtab\hbox\bgroup\beginR\if #1t\top \else \vbox \fi\bgroup\fi
16144 \@preamble}

```

7.105 subfigure-xetex-bidi.def

```

16145 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package f
16146 \AtBeginDocument{%
16147 \let\p@subfigure=\thefigure
16148 \let\p@subtable=\thetable%
16149 }

```

7.106 tabs-xetex-bidi.def

```

16150 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX
16151 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
16152 \@RTLtabfalse}
16153
16154 \expandafter\let\csname endtabular*\endcsname=\endtabular
16155
16156 \def\endarray{\ifvmode\csname crr\endcsname % just do \crr if \ given
16157 \else \[\z@ \global\advance\@arstddepth-\@otarlinesep]%

```



```

16158 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
16159
16160 \def\@array[#1]#2{% remember global variables to allow recursion:
16161 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
16162 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
16163 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
16164 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
16165 \else \let\@tarlinesep\tablinesep \fi
16166 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
16167 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
16168 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
16169 \ifdim\@tarlinesep>z@ % (need \protect for \multicolumn)
16170 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
16171 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
16172 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
16173 \vrule \@height\@tempdima \@depth\@tempdimb \@widthz@}%
16174 \let\protect\noexpand
16175 \edef\@preamble{\align \noexpand\@halignto \bgroup
16176 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
16177 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
16178 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
16179 \bgroup \let\par\@empty
16180 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
16181 \advance\extrarulesep.5\arrayrulewidth
16182 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
16183 \if@RTLtab\hbox\bgroup\beginR\if#1t\vtop \else \vbox \fi\bgroup\fi
16184 \@preamble}

```

7.107 tabularx-xetex-bidi.def

```

16185 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
16186 \def\TX@endtabularx{%
16187 \expandafter\expandafter\expandafter
16188 \TX@find@endtabularxa\csname end\TX@\endcsname
16189 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
16190 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
16191 \let\verb\TX@verb
16192 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
16193 \edef\TX@ckpt{\cl@ckpt}%
16194 \let\@elt\relax
16195 \TX@old@table\maxdimen
16196 \TX@col@width\TX@target
16197 \global\TX@cols\@ne
16198 \TX@typeout@
16199 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
16200 \TX@trial{\def\NC@rewriteX{%
16201 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
16202 \loop
16203 \TX@arith
16204 \ifTX@

```



```

16205 \TX@trial{}%
16206 \repeat
16207 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
16208 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
16209 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
16210 \csname tabular*\expandafter\endcsname\expandafter\TX@target
16211 \the\toks@
16212 \csname endtabular*\endcsname}%
16213 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
16214 \ifnum0={\fi}%
16215 \expandafter\expandafter\expandafter
16216 \TX@find@endtabularxbb
16217 \expandafter\end\expandafter{\TX@}%
16218 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
16219 }
16220
16221 \def\TX@trial#1{%
16222 \setbox\@tempboxa\hbox{%
16223 #1\relax
16224 \let\@footnotetext\TX@trial@ftn
16225 \let\@LTRfootnotetext\TX@trial@ftn
16226 \let\@RTLfootnotetext\TX@trial@ftn
16227 \let\TX@vwarn\@empty
16228 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
16229 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
16230 \def\write{\begingroup
16231 \def\let{\afterassignment\endgroup\toks@}%
16232 \afterassignment\let\count@}%
16233 \hbadness\@M
16234 \hfuzz\maxdimen
16235 \let\hbadness\@tempcnta
16236 \let\hfuzz\@tempdima
16237 \expandafter\tabular\the\toks@
16238 \endtabular}%
16239 \TX@ckpt
16240 \TX@typeout@{\@spaces
16241 \expandafter\TX@align
16242 \the\wd\@tempboxa\space\space\space\space\space\@@
16243 \expandafter\TX@align
16244 \the\TX@col@width\space\space\space\space\space\@@
16245 \@spaces\the\TX@cols}}
16246
16247 \long\def\TX@LTRftntext#1{%
16248 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
16249 [\the\csname c@\@mpfn\endcsname]}}%
16250 \global\TX@ftn\expandafter{\@tempa{#1}}}%
16251 \long\def\TX@xLTRftntext[#1]#2{%
16252 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}%
16253
16254 \long\def\TX@RTLftntext#1{%

```



```

16255 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
16256 [\the\csname c@\mpfn\endcsname]}%
16257 \global\TX@ftn\expandafter{\@tempa{#1}}}%
16258 \long\def\TX@xRTLftntext[#1]#2{%
16259 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}-

```

```
%ProvidesFile{tabulary-xetex-bidi.def}[2010/07/26 v0.1 bidi adaptations for tabulary package]
\def@testpach{\@chclass
%261 \ifnum \@lastchclass=6 \@ne \@chnum \@one \else
%262 \ifnum \@lastchclass=7 5 \else
%263 \ifnum \@lastchclass=8 \tw@ \else
%264 \ifnum \@lastchclass=9 \thr@@
%265 \else \z@
%266 \ifnum \@lastchclass = 10 \else
%267 \edef\@nextchar{\expandafter\string\@nextchar}%
%268 \@chnum
%269 \if \@nextchar c\z@ \else
%270 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
%271 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
%272 \if \@nextchar C7 \else
%273 \if \@nextchar L8 \else
%274 \if \@nextchar R9 \else
%275 \if \@nextchar J10 \else
%276 \z@\@chclass
%277 \if\@nextchar |\@ne \else
%278 \if \@nextchar !6 \else
%279 \if \@nextchar @7 \else
%280 \if \@nextchar <8 \else
%281 \if \@nextchar >9 \else
%282 
%283 10
%284 \@chnum
%285 \if \@nextchar m\thr@@\else
%286 \if \@nextchar p4 \else
%287 \if \@nextchar b5 \else
%288 \z@\@chclass \z@\@preamerr \z@\fi \fi \fi \fi \fi \fi \fi \fi
%289 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
```

```

16290 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX
16291 \def\@cliptoboxdim#1{%
16292     \setbox#1=\hbox{%
16293         \Gin@defaultbp\WIDTH{\wd#1}%
16294         \Gin@defaultbp\DEPTH{\dp#1}%
16295         \@tempdima\ht#1%
16296         \advance\@tempdima\dp#1%
16297         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
16298         \beginL\special{pdf:bcontent }%
16299         \special{%

```




```

16300         pdf:literal direct
16301         0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
16302     }%
16303     \special{pdf:literal direct W }%
16304     \special{pdf:literal direct n }%
16305     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
16306     \special{pdf:econtent }\endL%
16307 }%
16308 }

```

7.110 titlesec-xetex-bidi.def

```

16309 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for
16310 \renewcommand\filright{%
16311   \gdef\ttl@filleft##1{\hskip##1}%
16312   \gdef\ttl@filright##1{\hfill}%
16313   \let\\\@centercr
16314   \advance\rightskip\z@ \@plus 1fil
16315   \parfillskip\z@}
16316 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
16317   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
16318   \setlength\leftskip{#6}%
16319   \setlength\rightskip{#7}%
16320   \interlinepenalty\@M
16321   \ttl@changecentercr
16322   \ttl@beginlongest
16323   #1{\ifhmode\ttl@hmode@error\fi
16324     \ttl@glcmds
16325     \parindent\z@
16326     \leavevmode
16327     \begingroup
16328     \ifttl@label
16329       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
16330       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
16331       \llap{\box\z@}%
16332     \fi
16333     #4{#8}%
16334     \kern\z@\strut\@par
16335     \endgroup
16336     \nobreak\ttl@midlongest#5\@par}%
16337   \ttl@endlongest}

```

7.111 titletoc-xetex-bidi.def

```

16338 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
16339 \renewcommand\filright{%
16340   \gdef\ttl@filleft##1{\hskip##1}%
16341   \gdef\ttl@filright##1{\hfill}%
16342   \let\\\@centercr
16343   \advance\rightskip\z@ \@plus 1fil
16344   \parfillskip\z@}

```



```

16345 \renewcommand\contentspush[1]{%
16346   \sbox\z@{#1}%
16347   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
16348   \aftergroup\ttl@b
16349   \leavevmode\llap{\box\z@}}
16350 \def\ttl@outnoblock#1#2#3{%
16351   \begingroup
16352   \ifnum\ttl@b>\ttl@a
16353     \nobreak
16354   \else\ifnum\ttl@b<\ttl@a
16355     \addpenalty{\@secpenalty}%
16356   \else
16357     \addpenalty{\z@}%
16358   \fi\fi
16359   \ttl@contentsstretch
16360   \nobreak
16361   \ifcase#1\relax\else\interlinepenalty\M\fi
16362   \parindent\z@
16363   \ifx\@nil#2%
16364     \PackageError{titletoc}{Unimplemented}%
16365     {The optional argument is currently mandatory}%
16366   \else
16367     \if@RTL\setlength\rightskip{#2}\else
16368     \setlength\leftskip{#2}\fi%
16369   \fi
16370   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
16371   \let\contentsmargin\ttl@margin
16372   \def\ttl@makeline##1{##1}%
16373   #3%
16374   \addtolength{\parfillskip}{-\ttl@corr}%
16375   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
16376   \let\ttl@leaders\leaders}
16377 \renewcommand\ttl@margin[2][\z@]{%
16378   \def\ttl@corr{#1}%
16379   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
16380   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
16381   \def\@pnumwidth{#2}}
16382 \let\ttl@savel@part\l@part
16383 \def\l@part{\ttl@lselect{part}}
16384
16385 \let\ttl@savel@chapter\l@chapter
16386 \def\l@chapter{\ttl@lselect{chapter}}

```

7.112 tocibind-xetex-bidi.def

```

16387 \ProvidesFile{tocibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocibind package]
16388 \if@dotocbib
16389   \@ifpackageloaded{natbib}{\% natbib not loaded
16390     \renewcommand{\bibsection}{\t@cb@bchapsec}
16391     \renewenvironment{thebibliography}[1]{%

```



```

16392     \bibsection
16393     \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
16394 \renewenvironment{thebibitemlist}[1]{
16395 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16396 \list{\@biblabel{\@arabic{c@enumiv}}}%
16397     {\settowidth\labelwidth{\@biblabel{#1}}%
16398     \leftmargin\labelwidth
16399     \advance\leftmargin\labelsep
16400     \@openbib@code
16401     \usecounter{enumiv}%
16402     \let\p@enumiv\@empty
16403     \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
16404 \sloppy
16405 \clubpenalty4000
16406 \@clubpenalty \clubpenalty
16407 \widowpenalty4000%
16408 \sfcode`. \.\@m}
16409 {\def\@noitemerr
16410 {\@latex@warning{Empty `thebibliography' environment}}}%
16411 \endlist}
16412
16413 \ifpackagewith{chapterbib}{sectionbib}%
16414 {\renewcommand{\sectionbib}[2]{}%
16415 {}
16416
16417 \fi
16418 \if@inltxdoc\else
16419 \renewenvironment{theindex}%
16420 {\if@twocolumn
16421 \restonecolfalse
16422 \else
16423 \restonecoltrue
16424 \fi
16425 \if@bibchapter
16426 \if@donumindex
16427 \refstepcounter{chapter}
16428 \twocolumn[\vspace*{2\topskip}%
16429 \makechapterhead{\indexname}}%
16430 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
16431 \chaptermark{\indexname}
16432 \else
16433 \if@dotocind
16434 \twocolumn[\vspace*{2\topskip}%
16435 \makechapterhead{\indexname}}%
16436 \prw@mkboth{\indexname}
16437 \addcontentsline{toc}{chapter}{\indexname}
16438 \else
16439 \twocolumn[\vspace*{2\topskip}%
16440 \makechapterhead{\indexname}}%
16441 \prw@mkboth{\indexname}

```



```

16442         \fi
16443     \fi
16444     \else
16445         \if@donumindex
16446             \twocolumn[\vspace*{-1.5\topskip}%
16447                 \@nameuse{\@tocextra}{\indexname}]]%
16448             \csname \@tocextra mark\endcsname{\indexname}
16449         \else
16450             \if@dotocind
16451                 \twocolumn[\vspace*{-1.5\topskip}%
16452                     \toc@headstar{\@tocextra}{\indexname}]]%
16453                 \prw@mkboth{\indexname}
16454                 \addcontentsline{toc}{\@tocextra}{\indexname}
16455             \else
16456                 \twocolumn[\vspace*{-1.5\topskip}%
16457                     \toc@headstar{\@tocextra}{\indexname}]]%
16458                 \prw@mkboth{\indexname}
16459             \fi
16460         \fi
16461     \fi
16462     \thispagestyle{plain}\parindent\z@
16463     \parskip\z@ \@plus .3\p@\relax
16464     \let\item\@idxitem}
16465     {\if@restonecol\onecolumn\else\clearpage\fi}
16466 \fi

```

7.113 tocloft-xetex-bidi.def

```

16467 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for X
16468 \let\cftdot\@SepMark
16469 \if@cfthaspart
16470 \renewcommand*{\l@part}[2]{
16471     \@cftdopartfalse
16472     \ifnum \c@tocdepth >-2\relax
16473         \if@cfthaschapter
16474             \@cftdoparttrue
16475         \fi
16476         \ifnum \c@tocdepth >\m@ne
16477             \if@cfthaschapter\else
16478                 \@cftdoparttrue
16479             \fi
16480         \fi
16481     \fi
16482     \if@cftdopart
16483         \if@cfthaschapter
16484             \addpenalty{-\@highpenalty}
16485         \else
16486             \addpenalty\@secpenalty
16487         \fi
16488         \addvspace{\cftbeforepartskip}

```



```

16489 \begingroup
16490 {\if@RTL\righskip\else\leftskip\fi \cftpartincent\relax
16491 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
16492 \parfillskip -\if@RTL\leftskip\else\righskip\fi
16493 \parindent \cftpartincent\relax\afterindenttrue
16494 \interlinepenalty\@M
16495 \leavevmode
16496 \@tempdima \cftpartinwidth\relax
16497 \let\@cftbsnum \cftpartinpresnum
16498 \let\@cftasnum \cftpartinftersnum
16499 \let\@cftasnumb \cftpartinftersnumb
16500 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
16501 {\cftpartinfont \cftpartinpresnum #1}
16502 \cftpartinfillnum{#2}}
16503 \nobreak
16504 \if@cfthaschapter
16505 \global\@nobreaktrue
16506 \everypar{\global\@nobreakfalse\everypar{}}
16507 \else
16508 \if@compatibility
16509 \global\@nobreaktrue
16510 \everypar{\global\@nobreakfalse\everypar{}}
16511 \fi
16512 \fi
16513 \endgroup
16514 \fi}
16515 \fi
16516 \if@cfthaschapter
16517 \renewcommand*{\l@chapter}[2]{
16518 \ifnum \c@tocdepth >\m@ne
16519 \addpenalty{-\@highpenalty}
16520 \vskip \cftbeforechapskip
16521 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
16522 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
16523 \parfillskip -\if@RTL\leftskip\else\righskip\fi
16524 \parindent \cftchapindent\relax\afterindenttrue
16525 \interlinepenalty\@M
16526 \leavevmode
16527 \@tempdima \cftchapnumwidth\relax
16528 \let\@cftbsnum \cftchappresnum
16529 \let\@cftasnum \cftchapftersnum
16530 \let\@cftasnumb \cftchapftersnumb
16531 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
16532 {\cftchapfont #1}\nobreak
16533 \cftchapfillnum{#2}}
16534 \fi}
16535 \fi
16536 \renewcommand*{\l@section}[2]{%
16537 \ifnum \c@tocdepth >\z@
16538 \if@cfthaschapter

```



```

16539     \vskip \cftbeforesecskip
16540   \else
16541     \addpenalty\@secpenalty
16542     \addvspace{\cftbeforesecskip}
16543   \fi
16544   {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
16545     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16546     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16547     \parindent \cftsecindent\relax\@afterindenttrue
16548     \interlinepenalty\@M
16549     \leavevmode
16550     \@tempdima \cftsecnumwidth\relax
16551     \let\@cftbsnum \cftsecpresnum
16552     \let\@cftasnum \cftsecaftersnum
16553     \let\@cftasnumb \cftsecaftersnumb
16554     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
16555       {\cftsecfont #1}\nobreak
16556       \cftsecfillnum{#2}}
16557   \fi}
16558 \renewcommand*{\l@section}[2]{%
16559   \ifnum \c@tocdepth > \@ne
16560     \vskip \cftbeforesubsecskip
16561     {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
16562       \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16563       \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16564       \parindent \cftsubsecindent\relax\@afterindenttrue
16565       \interlinepenalty\@M
16566       \leavevmode
16567       \@tempdima \cftsubsecnumwidth\relax
16568       \let\@cftbsnum \cftsubsecpresnum
16569       \let\@cftasnum \cftsubsecaftersnum
16570       \let\@cftasnumb \cftsubsecaftersnumb
16571       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
16572         {\cftsubsecfont #1}\nobreak
16573         \cftsubsecfillnum{#2}}
16574     \fi}
16575 \renewcommand*{\l@subsection}[2]{%
16576   \ifnum \c@tocdepth > \tw@
16577     \vskip \cftbeforesubsubsecskip
16578     {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
16579       \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16580       \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16581       \parindent \cftsubsubsecindent\relax\@afterindenttrue
16582       \interlinepenalty\@M
16583       \leavevmode
16584       \@tempdima \cftsubsubsecnumwidth\relax
16585       \let\@cftbsnum \cftsubsubsecpresnum
16586       \let\@cftasnum \cftsubsubsecaftersnum
16587       \let\@cftasnumb \cftsubsubsecaftersnumb
16588       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip

```



```

16589      {\cftsubsubsecfont #1}\nobreak
16590      \cftsubsubsecfillnum{#2}}
16591    \fi}
16592 \renewcommand*{\l@paragraph}[2]{%
16593   \ifnum \c@tocdepth >3\relax
16594     \vskip \cftbeforeparaskip
16595     {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
16596      \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16597      \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16598      \parindent \cftparaindent\relax\@afterindenttrue
16599      \interlinepenalty\@M
16600      \leavevmode
16601      \@tempdima \cftparanumwidth\relax
16602      \let\@cftbsnum \cftparapresnum
16603      \let\@cftasnum \cftparaaftersnum
16604      \let\@cftasnumb \cftparaaftersnumb
16605      \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16606      {\cftparafont #1}\nobreak
16607      \cftparafillnum{#2}}
16608   \fi}
16609 \renewcommand*{\l@subparagraph}[2]{%
16610   \ifnum \c@tocdepth >4\relax
16611     \vskip \cftbeforesubparaskip
16612     {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
16613      \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16614      \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16615      \parindent \cftsubparaindent\relax\@afterindenttrue
16616      \interlinepenalty\@M
16617      \leavevmode
16618      \@tempdima \cftsubparanumwidth\relax
16619      \let\@cftbsnum \cftsubparapresnum
16620      \let\@cftasnum \cftsubparaaftersnum
16621      \let\@cftasnumb \cftsubparaaftersnumb
16622      \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16623      {\cftsubparafont #1}\nobreak
16624      \cftsubparafillnum{#2}}
16625   \fi}
16626 \renewcommand*{\l@figure}[2]{%
16627   \ifnum \c@lofdepth >\z@
16628     \vskip \cftbeforefigskip
16629     {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
16630      \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16631      \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16632      \parindent \cftfigindent\relax\@afterindenttrue
16633      \interlinepenalty\@M
16634      \leavevmode
16635      \@tempdima \cftfignumwidth\relax
16636      \let\@cftbsnum \cftfigpresnum
16637      \let\@cftasnum \cftfigaftersnum
16638      \let\@cftasnumb \cftfigaftersnumb

```



```

16639 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16640 {\cftfigfont #1}\nobreak
16641 \cftfigfillnum{#2}}
16642 \fi
16643 }
16644 \renewcommand*{\l@table}[2]{%
16645 \ifnum\c@lotdepth >\z@
16646 \vskip \cftbeforetabskip
16647 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
16648 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16649 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16650 \parindent \cfttabindent\relax\@afterindenttrue
16651 \interlinepenalty\@M
16652 \leavevmode
16653 \@tempdima \cfttabnumwidth\relax
16654 \let\@cftbsnum \cfttabpresnum
16655 \let\@cftasnum \cfttabaftersnum
16656 \let\@cftasnumb \cfttabaftersnumb
16657 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16658 {\cfttabfont #1}\nobreak
16659 \cfttabfillnum{#2}}
16660 \fi
16661 }
16662 \renewcommand{\@cftl@subfig}{
16663 \renewcommand*{\l@subfigure}[2]{%
16664 \ifnum \c@lofdepth > \toclevel@subfigure
16665 \vskip \cftbeforesubfigskip
16666 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
16667 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16668 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16669 \parindent \cftsubfigindent\relax\@afterindenttrue
16670 \interlinepenalty\@M
16671 \leavevmode
16672 \@tempdima \cftsubfignumwidth\relax
16673 \let\@cftbsnum \cftsubfigpresnum
16674 \let\@cftasnum \cftsubfigaftersnum
16675 \let\@cftasnumb \cftsubfigaftersnumb
16676 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16677 {\cftsubfigfont ##1}\nobreak
16678 \cftsubfigfillnum{##2}}
16679 \fi
16680 }
16681 }
16682 \renewcommand{\@cftl@subtab}{
16683 \renewcommand*{\l@subtable}[2]{%
16684 \ifnum \c@lotdepth > \toclevel@subtable
16685 \vskip \cftbeforesubtabskip
16686 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
16687 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16688 \parfillskip -\if@RTL\leftskip\else\rightskip\fi

```




```

16689 \parindent \cftsubtabindent\relax\@afterindenttrue
16690 \interlinepenalty\@M
16691 \leavevmode
16692 \@tempdima \cftsubtabnumwidth\relax
16693 \let\@cftbsnum \cftsubtabpresnum
16694 \let\@cftasnum \cftsubtabaftersnum
16695 \let\@cftasnumb \cftsubtabaftersnumb
16696 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16697 {\cftsubtabfont ##1}\nobreak
16698 \cftsubtabfillnum{##2}}
16699 \fi
16700 }
16701 }
16702 \renewcommand{\newlistentry}[4][\@empty]{%
16703 \@ifundefined{c@#2}{% check & set the counter
16704 \ifx \@empty#1\relax
16705 \newcounter{#2}
16706 \else
16707 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
16708 {#1 has no counter for use as a `within'}
16709 \newcounter{#2}}%
16710 {\newcounter{#2}[#1]%
16711 \expandafter\edef\csname the#2\endcsname{%
16712 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
16713 \fi
16714 \setcounter{#2}{0}
16715 }
16716 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
16717
16718 \@namedef{l@#2}##1##2{%
16719 \ifnum \@nameuse{c@#3depth} > #4\relax
16720 \vskip \@nameuse{cftbefore#2skip}
16721 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
16722 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16723 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16724 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
16725 \interlinepenalty\@M
16726 \leavevmode
16727 \@tempdima \@nameuse{cft#2numwidth}\relax
16728 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
16729 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
16730 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
16731 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16732 {\@nameuse{cft#2font}##1}\nobreak
16733 \@nameuse{cft#2fillnum}{##2}}
16734 \fi
16735 } % end of l@#2
16736
16737 \expandafter\newlength\csname cftbefore#2skip\endcsname
16738 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}

```



```

16739 \expandafter\newlength\csname cft#2indent\endcsname
16740 \expandafter\newlength\csname cft#2numwidth\endcsname
16741 \ifcase #4\relax % 0
16742   \setlength{\@nameuse{cft#2indent}}{0em}
16743   \setlength{\@nameuse{cft#2numwidth}}{1.5em}
16744 \or % 1
16745   \setlength{\@nameuse{cft#2indent}}{1.5em}
16746   \setlength{\@nameuse{cft#2numwidth}}{2.3em}
16747 \or % 2
16748   \setlength{\@nameuse{cft#2indent}}{3.8em}
16749   \setlength{\@nameuse{cft#2numwidth}}{3.2em}
16750 \or % 3
16751   \setlength{\@nameuse{cft#2indent}}{7.0em}
16752   \setlength{\@nameuse{cft#2numwidth}}{4.1em}
16753 \else % anything else
16754   \setlength{\@nameuse{cft#2indent}}{10.0em}
16755   \setlength{\@nameuse{cft#2numwidth}}{5.0em}
16756 \fi
16757 \@namedef{cft#2font}{\normalfont}
16758 \@namedef{cft#2presnum}{}
16759 \@namedef{cft#2aftersnum}{}
16760 \@namedef{cft#2aftersnumb}{}
16761 \@namedef{cft#2dotsep}{\cftdotsep}
16762 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
16763 \@namedef{cft#2pagefont}{\normalfont}
16764 \@namedef{cft#2afterpnum}{}
16765 \@namedef{toclevel@#2}{#4}
16766 \@namedef{cft#2fillnum}##1{%
16767   {\@nameuse{cft#2leader}}\nobreak
16768   \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
16769 } % end \newlistentry
16770 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
16771   {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
16772   \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
16773   \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
16774   \textit{#1}\protect\par}}}

```

7.114 tocstyle-xetex-bidi.def

```

16775 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for]
16776 \renewcommand*{\tocstyle@dottedtocline}[5]{%
16777   \let\numberline\tocstyle@numberline
16778   \ifnum #1>\c@tocdepth \else
16779     \if@tocstyle@penalties
16780       \begingroup
16781         \@tempcnta 20010
16782         \advance \@tempcnta by -#1
16783         \ifnum \@tempcnta>\lastpenalty
16784           \aftergroup\penalty\aftergroup\@lowpenalty
16785         \fi

```



```

16786     \endgroup
16787 \fi
16788 \edef\tocstyledepth{#1}%
16789 \tocstyle@activate@features
16790 \ifx\tocstyle@feature@entryvskip\relax
16791     \vskip \z@ \@plus.2\p@
16792 \else
16793     \addvspace{\tocstyle@feature@entryvskip}%
16794 \fi
16795 {%
16796 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
16797 \tocstyle@feature@raggedhook
16798 \@tempdima #3\relax
16799 \@tempdimb #2\relax
16800 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
16801 \ifnum #1>\z@\relax
16802     \@tempcnta #1\relax \advance\@tempcnta \m@ne
16803 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16804 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16805     \@tempdimb
16806     \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16807     \advance\@tempdimb
16808     \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16809     \fi
16810 \fi
16811 \fi
16812 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16813 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
16814 \ifdim \@tempdimb>
16815     \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
16816     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
16817         @#1\endcsname{\the\@tempdimb}%
16818 \fi
16819 \else
16820     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
16821         @#1\endcsname{\the\@tempdimb}%
16822 \fi
16823 \iftocstyle@autolength
16824     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
16825     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
16826     \relax
16827 \fi
16828     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
16829     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
16830     \relax
16831 \fi
16832     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
16833     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16834 \else
16835     \@tempdimb #2\relax

```



```

16836      \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16837    \fi
16838    \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
16839      \ifdim \@tempdima>
16840        \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
16841        \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
16842          @\endcsname{\the\@tempdima}%
16843      \fi
16844    \else
16845      \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
16846        @\endcsname{\the\@tempdima}%
16847    \fi
16848    \ifcase\tocstyle@indentstyle\relax\else
16849      \@tempdimb \z@
16850      \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
16851      \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
16852        \relax
16853      \fi
16854      \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
16855      \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16856    \fi
16857    \advance\parindent \@tempdimb\@afterindenttrue
16858    \advance\if@RTL\rightskip\else\leftskip\fi \parindent
16859    \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
16860    \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16861    \ifx\tocstyle@feature@parfillskip\relax\else
16862      \advance\parfillskip \tocstyle@feature@parfillskip\relax
16863    \fi
16864    \interlinepenalty\@M
16865    \leavevmode
16866    \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16867    \null\nobreak
16868    \iftocstyle@indentnotnumbered\else
16869      \hskip -\if@RTL\rightskip\else\leftskip\fi
16870    \fi
16871    \tocstyle@feature@entryhook
16872    {#4}\nobreak
16873    \ifx\tocstyle@feature@leaders\relax
16874      \leaders\hbox{$\m@th
16875        \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
16876        \mkern \@dotsep mu$}\hfill
16877    \else
16878      \tocstyle@feature@leaders
16879    \fi
16880    \nobreak
16881    \ifx\tocstyle@feature@pagenumberbox\relax
16882      \hbxt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
16883    \else
16884      \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
16885    \fi

```



```

16886     \par
16887 }%
16888 \if@tocstyle@penalties
16889     \bgroup
16890     \@tempcnta 20009
16891     \advance\@tempcnta by -#1
16892     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
16893     \reserved@a
16894     \fi
16895 \fi}
16896 \renewcommand*{\tocstyle@numberline}[1]{%
16897     \begingroup
16898     \ifx\tocstyle@feature@spaceafternumber\relax
16899         \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
16900     \else
16901         \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
16902         \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
16903     \fi
16904     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
16905         \ifdim \@tempdima >
16906             \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
16907             \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
16908                 @\tocstyledepth\endcsname{\the\@tempdima}%
16909         \fi
16910     \else
16911         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
16912             @\tocstyledepth\endcsname{\the\@tempdima}%
16913     \fi
16914 \endgroup
16915 \iftocstyle@indentnotnumbered
16916     \hskip -\if@RTL\rightskip\else\leftskip\fi
16917 \fi
16918 \ifcase \tocstyle@indentstyle
16919     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
16920 \or
16921     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
16922 \else
16923     \ifx\tocstyle@feature@spaceafternumber\relax
16924         \hbox{\tocstyle@@numberline{#1}\enskip}%
16925     \else
16926         \hbox{\tocstyle@@numberline{#1}\hskip
16927             \tocstyle@feature@spaceafternumber\relax}%
16928     \fi
16929 \fi
16930 }
16931 \AtBeginDocument{%
16932     \ifcsname l@part\endcsname
16933     \ifcsname l@chapter\endcsname
16934         \setbox\@tempboxa\vbox{\hsize\maxdimen
16935             \l@part{\tocstyle@l@define{part}{-1}}{}}%

```



```

16936 \else
16937 \setbox\@tempboxa\vbox{\hsize\maxdimen
16938 \l@part{\tocstyle@l@define{part}{0}}{}}%
16939 \fi
16940 \fi
16941 \ifcsname l@chapter\endcsname
16942 \setbox\@tempboxa\vbox{\hsize\maxdimen
16943 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
16944 \fi
16945 \ifcsname l@section\endcsname
16946 \setbox\@tempboxa\vbox{\hsize\maxdimen
16947 \l@section{\tocstyle@l@define{section}{1}}{}}%
16948 \fi
16949 \ifcsname l@subsection\endcsname
16950 \setbox\@tempboxa\vbox{\hsize\maxdimen
16951 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
16952 \fi
16953 \ifcsname l@subsubsection\endcsname
16954 \setbox\@tempboxa\vbox{\hsize\maxdimen
16955 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
16956 \fi
16957 \ifcsname l@paragraph\endcsname
16958 \setbox\@tempboxa\vbox{\hsize\maxdimen
16959 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
16960 \fi
16961 \ifcsname l@subparagraph\endcsname
16962 \setbox\@tempboxa\vbox{\hsize\maxdimen
16963 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
16964 \fi
16965 \ifcsname l@table\endcsname
16966 \setbox\@tempboxa\vbox{\hsize\maxdimen
16967 \l@table{\tocstyle@l@define{table}{1}}{}}%
16968 \fi
16969 \ifcsname l@figure\endcsname
16970 \setbox\@tempboxa\vbox{\hsize\maxdimen
16971 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
16972 \fi
16973 \def\@tempa#1#2#3#4#5{%
16974 \ifnum #1>\c@tocdepth \else
16975 \vskip \z@ \@plus.2\p@
16976 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16977 \parindent #2\relax\@afterindenttrue
16978 \interlinepenalty\@M
16979 \leavevmode
16980 \@tempdima #3\relax
16981 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
16982 {#4}\nobreak
16983 \leaders\hbox{$\m@th
16984 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
16985 mu$}\hfill

```



```

16986      \nobreak
16987      \hb@xt@{\pnumwidth{\hfildfont \normalfont \normalcolor #5}}%
16988      \par}%
16989      \fi}%
16990      \ifx\@dottedtocline\@tempa\else
16991      \tocstyle@macrochangewarning\@dottedtocline
16992      \fi
16993      \let\tocstyle@saved\@dottedtocline\@dottedtocline
16994      \def\@tempa#1{\hb@xt@{\@tempdima{#1\autodot\hfildfont}}%
16995      \ifx\@numberline\@tempa\else
16996      \def\@tempa#1{\hb@xt@{\@tempdima{#1\hfildfont}}%
16997      \ifx\@numberline\@tempa\else
16998      \tocstyle@macrochangewarning\@numberline
16999      \fi
17000      \fi
17001      \let\tocstyle@saved\@numberline\@numberline
17002 }
17003 \renewcommand*{\tocstyle@l@define}[2]{%
17004 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
17005 \edef\@tempa{%
17006 \noexpand\global\noexpand\let
17007 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
17008 \expandafter\noexpand\csname l@#1\endcsname
17009 \noexpand\gdef
17010 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
17011 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
17012 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
17013 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
17014 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
17015 }%
17016 }%
17017 \PackageInfo{tocstyle}{prepare \expandafter\string
17018 \csname l@#1\endcsname\space for redefinition}%
17019 \@tempa
17020 }

```

7.115 todonotes-xetex-bidi.def

```

17021 \ProvidesFile{todonotes-xetex-bidi.def}[2015/06/17 v0.3 bidi adaptations for todonotes package]
17022 \newif\if@bidi@todonotes@textdirection@RTL
17023 \newif\if@bidi@todonotes@figposition@right
17024 \newcommand{\@bidi@todonotes@align}{}%
17025 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
17026 \newcommand{\@bidi@todonotes@textdirection}{}%
17027 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right|
17028 \ifcase\@bidi@todonotes@tempb\relax
17029 \@bidi@todonotes@textdirection@RTLtrue
17030 \let\@bidi@todonotes@textdirection\@RTL
17031 \or
17032 \@bidi@todonotes@textdirection@RTLfalse

```



```

17033 \let\@bidi@todonotes@textdirection\LRE
17034 \fi}
17035 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,1
17036 \ifcase\bidi@todonotes@tempb\relax
17037 \@bidi@todonotes@figposition@righttrue
17038 \or
17039 \@bidi@todonotes@figposition@rightfalse
17040 \fi}
17041 \if@todonotes@disabled%
17042 \else % \if@todonotes@disabled
17043 \renewcommand{\@todonotes@drawInlineNote}{%
17044 \if@todonotes@dviStyle%
17045 {\par\noindent\begin{tikzpicture}[remember picture]%
17046 \draw node[inlinenotestyle] {}; \end{tikzpicture}\par}%
17047 \if@todonotes@authorgiven%
17048 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
17049 \else%
17050 {\noindent \@todonotes@sizecommand \@todonotes@text}%
17051 \fi
17052 {\par\noindent\begin{tikzpicture}[remember picture]%
17053 \draw node[inlinenotestyle] {}; \end{tikzpicture}\par}%
17054 \else%
17055 {\par\noindent\begin{tikzpicture}[remember picture]%
17056 \if\bidi@todonotes@textdirection@RTL\else\setLTR\fi%
17057 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{%
17058 \if@todonotes@authorgiven%
17059 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
17060 \else%
17061 {\noindent \@todonotes@sizecommand \@todonotes@text}%
17062 \fi};%
17063 \end{tikzpicture}\par}%
17064 \fi}%
17065 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
17066 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
17067 \node [coordinate] (inText) {}; %
17068 \end{tikzpicture}%
17069 \marginpar[ {% Draw note in left margin
17070 \@todonotes@drawMarginNote%
17071 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
17072 }]{% Draw note in right margin
17073 \@todonotes@drawMarginNote%
17074 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
17075 }%
17076 }%
17077 \renewcommand{\@todonotes@drawMarginNote}{%
17078 \if@todonotes@dviStyle%
17079 \begin{tikzpicture}[remember picture]%
17080 \draw node[notestyle] {}; %
17081 \end{tikzpicture}\\%
17082 \begin{minipage}{\@todonotes@textwidth}%

```




```

17083 \if@todonotes@authorgiven%
17084 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
17085 \else%
17086 \@todonotes@sizecommand \@todonotes@text%
17087 \fi%
17088 \end{minipage}}\%
17089 \begin{tikzpicture}[remember picture]%
17090 \draw node[notestyle] (inNote) {};%
17091 \end{tikzpicture}%
17092 \else%
17093 \let\originalHbadness\hbadness%
17094 \hbadness 100000%
17095 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
17096 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
17097 \node(X){\vphantom{X}};%
17098 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align%
17099 {\@todonotes@text}};%
17100 \if@todonotes@authorgiven%
17101 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align%
17102 {\@todonotes@sizecommand\@todonotes@author}};%
17103 \node(Y)[below=of X]{};%
17104 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align%
17105 {\@todonotes@text}};%
17106 \else%
17107 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align%
17108 {\@todonotes@text}};%
17109 \fi%
17110 \end{tikzpicture}%
17111 \hbadness \originalHbadness%
17112 \fi}%
17113 \renewcommand{\missingfigure}[2] []{%
17114 \setkeys{todonotes}{#1}%
17115 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
17116 \par
17117 \noindent
17118 \begin{tikzpicture}
17119 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
17120 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
17121 \if@bidi@todonotes@figposition@right%
17122 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
17123 \fi%
17124 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
17125 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
17126 \if@bidi@todonotes@figposition@right%
17127 \end{scope}
17128 \begin{scope}[xshift=-3.8cm]
17129 \fi%
17130 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
17131 \draw (2, -0.3) node[right, text
17132 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};

```



```

17133 \if@bidi@todonotes@figposition@right%
17134 \end{scope}
17135 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
17136 \fi%
17137 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
17138 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
17139 \if@bidi@todonotes@figposition@right%
17140 \end{scope}
17141 \fi%
17142 \end{tikzpicture}}\hfill
17143 }% Ending \missingfigure command
17144 \fi % Ending \@todonotes@ifdisabled
17145 \presetkeys%
17146     {todonotes}%
17147     {align=left,%
17148     textdirection=lefttoright,%
17149     figposition=left}{}%

```

7.116 wrapfig-xetex-bidi.def

```

17150 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for X
17151 \let\WF@@everypar\@everypar
17152 \def\WF@putfigmaybe{%
17153 \ifinner
17154 \vskip-\parskip \global\WF@floatfalse
17155 \let\pagetotal\maxdimen % kludge flag for "not top of page"
17156 \else % outer page
17157 \@tempdima\pagedepth % save page depth
17158 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
17159 \penalty\interlinepenalty % update pg. parameters
17160 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
17161 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
17162 \global\WF@floatfalse
17163 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
17164 \else
17165 \ifdim\WF@size>\@tempdimb
17166 \ifWF@float \dimen@.5\baselineskip \else \dimen@2\baselineskip\fi
17167 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
17168 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
17169 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
17170 \advance\dimen@.5\baselineskip
17171 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
17172 \global\WF@floatfalse \pagebreak
17173 \fi
17174 \else % \WF@info{Fits in \the\@tempdimb;}%
17175 \global\WF@floatfalse
17176 \fi\fi
17177 \vskip\@tempdima\relax % (return erased page depth)
17178 \fi
17179 \noindent

```



```

17180 \ifWF@float
17181   \WF@fltmes
17182 \else % putting here;
17183   \WF@info{Put \WF@wfname here:}%
17184   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
17185     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
17186     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
17187   \hbox to\z@{\% llap or rlap depending on {l} or {r}; calc effective width
17188     \@tempdima\wd\WF@box \@tempdimb\WF@ovh
17189     \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
17190     \@tempdimb\hsize \advance\@tempdimb-\@tempdima
17191     \xdef\WF@adjlw{\the\@tempdima}%
17192     \ifnum `l=\WF@place % fig on left
17193       \if@RTL%
17194         \kern\@tempdimb \kern\columnsep
17195         \def\@tempa{\hss}% position to left of the gap
17196       \else%
17197         \hss % figure overlaps space to the left
17198         \def\@tempa{\kern\columnsep}% position to left of the gap
17199       \fi%
17200     \else % fig on right
17201       \if@RTL%
17202         \hss
17203         \@tempdima\z@
17204         \def\@tempa{\kern\columnsep}
17205       \else%
17206         \@tempdima\z@ % no left indentation
17207         \kern\@tempdimb \kern\columnsep
17208         \def\@tempa{\hss}% figure overlaps space to the right
17209       \fi%
17210     \fi
17211     \ifdim\@tempdimb<\hsize
17212       \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
17213       \xdef\WF@adjtln{\the\@tempdima}%
17214     \else
17215       \xdef\WF@wrapil{\z@ \the\hsize}%
17216       \xdef\WF@adjlw{\z@}\xdef\WF@adjtln{\z@}%
17217     \fi
17218     \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
17219       \global\advance\WF@size-\intextsep
17220     \else % \WF@info{Putting \WF@wfname in middle of page}%
17221       \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
17222       \fi \dp\WF@box\z@ \box\WF@box \@tempa
17223   }% end \hbox to Opt
17224 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
17225 \fi}

```

7.117 xcolor-xetex-bidi.def

17226 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT



```

17227 \long\def\color@b@x#1#2#3%
17228 {\leavevmode\ifhmode\else\ifRTL\beginL\fi\fi
17229 \setbox\z@hbox{\kern\fbboxsep{\setcolor\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fbboxsep}%
17230 \dimen@ht\z@advance\dimen@\fbboxsepht\z@\dimen@
17231 \dimen@dp\z@advance\dimen@\fbboxsepdp\z@\dimen@
17232 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifhmode\else\ifRTL\endL\fi\fi}
17233 \def\normalcolor{\let\current@color\default@color\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi}
17234 \DeclareRobustCommand\color
17235 {\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}
17236 \def\@undeclaredcolor[#1]#2%
17237 {\begingroup
17238 \let\@cls\@empty
17239 \XC@getmodclr12{#1}{#2}{}%
17240 {\ifblendcolors
17241 \ifx\colorblend\@empty\else
17242 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
17243 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
17244 \fi
17245 \fi
17246 \ifconvertcolorsU
17247 \edef\@tmp{\XC@tgt@mod{\@mod}}%
17248 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
17249 \fi
17250 \ifmaskcolors
17251 \convertcolorspec\@mod\@clr\XC@mmod\@clr
17252 \let\@mod\XC@mmod
17253 \XC@inflate\@mod\XC@mclr\@clr\@tmp
17254 \expandafter\XC@mul\@tmp,\@clr
17255 \fi
17256 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
17257 \expandafter\endgroup\@tmp}}
17258 \def\@declaredcolor#1%
17259 {\XC@edef\XC@tmp{#1}\XC@tstfalse
17260 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
17261 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
17262 \ifconvertcolorsU\XC@tsttrue\fi
17263 \fi
17264 \ifXC@tst
17265 \expandafter\XC@declaredcolor\else
17266 \expandafter\XC@declaredcolor\fi}
17267 \def\XC@undeclaredcolor#1#2%
17268 {\@ifundefinedmodel{#1}%
17269 {\color@error{model `#1'}}%
17270 {\@nameuse{color@#1}\current@color{#2}%
17271 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
17272 \XC@display}\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
17273 \def\XC@declaredcolor
17274 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
17275 \edef\current@color{\XC@current@color}%
17276 \XC@display\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}

```



```

17277 \DeclareRobustCommand\bidicolor
17278 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
17279 \def\@bidiundeclaredcolor[#1]#2%
17280 {\begingroup
17281 \let\@cls\@empty
17282 \XC@getmodclr12{#1}{#2}{}%
17283 {\ifblendcolors
17284 \ifx\colorblend\@empty\else
17285 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
17286 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
17287 \fi
17288 \fi
17289 \ifconvertcolorsU
17290 \edef\@tmp{\XC@tgt@mod{\@mod}}%
17291 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
17292 \fi
17293 \ifmaskcolors
17294 \convertcolorspec\@mod\@clr\XC@mmod\@clr
17295 \let\@mod\XC@mmod
17296 \XC@inflate\@mod\XC@mclr\@clr\@tmp
17297 \expandafter\XC@mul\@tmp,\@clr
17298 \fi
17299 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
17300 \expandafter\endgroup\@tmp}}
17301 \def\XC@bidiundeclaredcolor#1#2%
17302 {\@ifundefinedmodel{#1}%
17303 {\c@lor@error{model `#1'}%
17304 {\@nameuse{color@#1}\current@color{#2}}%
17305 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
17306 \XC@display}}
17307 \def\@bidideclaredcolor#1%
17308 {\XC@edef\XC@tmp{#1}\XC@tstfalse
17309 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
17310 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
17311 \ifconvertcolorsU\XC@tsttrue\fi
17312 \fi
17313 \ifXC@tst
17314 \expandafter\XC@bidideclaredcolor\else
17315 \expandafter\XC@bidideclaredc@lor\fi}
17316 \def\XC@bidideclaredcolor
17317 {\XC@split\XC@tmp
17318 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
17319 \expandafter\endgroup\@tmp}
17320 \def\XC@bidideclaredc@lor
17321 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
17322 \edef\current@color{\XC@current@color}%
17323 \XC@display}
17324 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
17325 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
17326 \def\color@fb@x#1#2#3#4%

```



```

17327 {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
17328 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
17329 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.118 latex-xetex-bidi.def

```

17330 \ProvidesFile{latex-xetex-bidi.def}[2015/11/14 v1.2.4 bidi adaptations for `latex.ltx' for XeTeX]
17331 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
17332 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
17333 \TeXXeTOn
17334 \def\bid@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
17335 \let\bid@o@everypar=\everypar
17336 \newtoks\bid@n@everypar
17337 \bid@n@everypar\expandafter{\the\bid@o@everypar}
17338 \bid@o@everypar{\bid@RTL@everypar\the\bid@n@everypar}
17339 \let\everypar=\bid@n@everypar
17340 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
17341 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
17342 \protected\def\hboxR{\hbox\bgroup
17343 \everyhbox{%
17344 \aftergroup\egroup
17345 \everyhbox{}}%
17346 \beginR
17347 \bgroup
17348 \aftergroup\endR
17349 \aftergroup\egroup
17350 }\hbox}
17351 \protected\def\hboxL{\hbox\bgroup
17352 \everyhbox{%
17353 \aftergroup\egroup
17354 \everyhbox{}}%
17355 \beginL
17356 \bgroup
17357 \aftergroup\endL
17358 \aftergroup\egroup
17359 }\hbox}
17360 \protected\def\vboxR{\vbox\bgroup
17361 \everyvbox{%
17362 \aftergroup\egroup
17363 \everyvbox{}}%
17364 \@RTLtrue
17365 \bgroup
17366 \aftergroup\egroup
17367 }\vbox}
17368 \protected\def\vboxL{\vbox\bgroup
17369 \everyvbox{%
17370 \aftergroup\egroup
17371 \everyvbox{}}%
17372 \@RTLfalse
17373 \bgroup

```



```

17374 \aftergroup\egroup
17375 }\vbox}
17376 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
17377 \def\endLTR{\par}
17378 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
17379 \def\endRTL{\par}
17380 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
17381 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
17382 \let\unsetRTL=\setLTR
17383 \let\unsetLTR=\setRTL
17384 \let\LR=\LRE
17385 \let\RL=\RLE
17386 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
17387 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
17388 \let\@ensure@RL=\@ensure@RTL
17389 \let\@ensure@LR=\@ensure@LTR
17390 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
17391 \let\@ensure@maindir=\@ensure@dir
17392 \def\@RTL{RTL}
17393 \def\@LTR{LTR}
17394 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
17395 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
17396 \let\@TeX\TeX
17397 \def\TeX{\@ensure@LTR{\@TeX}}
17398 \let\@LaTeX\LaTeX
17399 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
17400 \let\@LaTeXe\LaTeXe
17401 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
17402 \long\def\@bidi@reflect@box#1{%
17403 \leavevmode
17404 \setbox\z@\hbox{#1}%
17405 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
17406 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
17407 }
17408 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
17409 \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
17410 \def\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
17411 \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
17412 \let\setRL=\setRTL
17413 \let\setLR=\setLTR
17414 \let\unsetRL=\setLTR
17415 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
17416 \ifpackageloaded{array}{%
17417 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
17418 \leavevmode
17419 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
17420 \let\dollarend\endgroup
17421 \tabarray}
17422 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup\@RTLtabfalse}
17423 }{

```



```

17424 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
17425 \leavevmode \hbox \bgroup
17426 $\left.\let\@acol\@tabacol
17427 \let\@classz\@tabclassz
17428 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
17429
17430 \def\endbidi@tabular@RTLcases{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
17431 \egroup\right\rbrace $\egroup
17432 \@RTLtabfalse}
17433 }
17434 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
17435 \ialign{##\hfil$&\quad{##}\hfil\crcr#1\crcr}}\,,\right\}}
17436 \renewenvironment{RTLcases}{%
17437 \bidi@matrix@check\RTLcases\env@RTLcases
17438 }{%
17439 \endbidi@tabular@RTLcases%
17440 }
17441 \def\env@RTLcases{%
17442 \let\@ifnextchar\bidi@new@ifnextchar
17443 \def\arraystretch{1.2}%
17444 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
17445 }
17446 \def\SepMark#1{\gdef\@SepMark{\if@RTL\fi#1\if@RTL\fi}}
17447 \SepMark{.}
17448 \def\@thmcountersep{\@SepMark}
17449 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
17450 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
17451 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
17452 \def\list#1#2{%
17453 \ifnum \@listdepth >5\relax
17454 \toodeep
17455 \else
17456 \global\advance\@listdepth\@ne
17457 \fi
17458 \rightmargin\z@
17459 \listparindent\z@
17460 \itemindent\z@
17461 \csname @list\romannumeral\the\@listdepth\endcsname
17462 \def\@itemlabel{#1}%
17463 \let\makelabel\@mklab
17464 \@nmbrlistfalse
17465 #2\relax
17466 \@trivlist
17467 \parskip\parsep
17468 \parindent\listparindent
17469 \advance\linewidth -\rightmargin
17470 \advance\linewidth -\leftmargin
17471 \if@bidi@list@minipage@parbox
17472 \if@RTL
17473 \advance\@totalleftmargin \leftmargin

```




```

17474 \else
17475 \advance\@totalleftmargin \rightmargin
17476 \fi
17477 \else
17478 \if@RTLtab
17479 \if@bidi@list@minipage@parbox@not@nob
17480 \if@RTL
17481 \advance\@totalleftmargin \rightmargin
17482 \else
17483 \advance\@totalleftmargin \leftmargin
17484 \fi
17485 \else
17486 \if@RTL
17487 \advance\@totalleftmargin \leftmargin
17488 \else
17489 \advance\@totalleftmargin \rightmargin
17490 \fi\fi
17491 \else
17492 \if@RTL
17493 \advance\@totalleftmargin \rightmargin
17494 \else
17495 \advance\@totalleftmargin \leftmargin
17496 \fi\fi\fi
17497 \parshape \@ne \@totalleftmargin \linewidth
17498 \ignorespaces}
17499 \long\def\@iiiparbox#1#2[#3]#4#5{%
17500 \leavevmode
17501 \@pboxswfalse
17502 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
17503 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
17504 \setlength\@tempdima{#4}%
17505 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
17506 \ifx\relax#2\else
17507 \setlength\@tempdimb{#2}%
17508 \edef\@parboxto{to\the\@tempdimb}%
17509 \fi
17510 \if#1b\vbox
17511 \else\if #1t\vtop
17512 \else\ifmmode\vcenter
17513 \else\@pboxswtrue $\vcenter
17514 \fi\fi\fi
17515 \@parboxto{\let\hss\vss\let\unhbox\unvbox
17516 \csname bm#3\endcsname}%
17517 \if@pboxsw \m@th$\fi
17518 \@end@tempboxa}
17519 \def\bidi@lrbox#1{%
17520 \edef\reserved@a{%
17521 \endgroup
17522 \setbox#1\hbox{%
17523 \begin@group\aftergroup}%

```



```

17524         \def\noexpand\@currenvir{\@currenvir}%
17525         \def\noexpand\@currenvline{\on@line}}%
17526     \reserved@a
17527     \@endpefalse
17528     \color@begingroup
17529     \ignorespaces}
17530 \def\endbidi@lrbox{\unskip\color@endgroup}
17531 \newenvironment{LTRitems}
17532     {\par\@RTLfalse
17533     \if@bidi@list@minipage@parbox
17534         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
17535         \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17536         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
17537         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
17538         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
17539         \ignorespaces}{\vskip\z@}
17540 \newenvironment{RTLitems}
17541     {\par\@RTLtrue
17542     \if@bidi@list@minipage@parbox
17543         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
17544         \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17545         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
17546         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
17547         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
17548         \ignorespaces}{\vskip\z@}
17549 \newenvironment{LTRbibitems}
17550     {\par\@RTLfalse
17551     \if@bidi@list@minipage@parbox
17552         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
17553         \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17554         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
17555         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
17556         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
17557         \ignorespaces}{\vskip\z@}
17558 \newenvironment{RTLbibitems}
17559     {\par\@RTLtrue
17560     \if@bidi@list@minipage@parbox
17561         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
17562         \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17563         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
17564         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
17565         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
17566         \ignorespaces}{\vskip\z@}
17567 \def\raggedright{%
17568     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
17569     \leftskip\z@skip
17570     \parindent\z@\parfillskip\z@skip}
17571 \let\bidi@orig@raggedleft\raggedleft
17572 \let\bidi@orig@raggedright\raggedright
17573 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@RTLtab\b

```



```

17574 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@RTLtab\b
17575 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
17576 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
17577 \def\centerline#1{%
17578 \if@RTL\@line{\hss\beginR#1\endR\hss}
17579 \else\@line{\hss#1\hss}\fi}
17580 \def\leftline#1{%
17581 \if@RTL\@line{\beginR#1\endR\hss}
17582 \else\@line{#1\hss}\fi}
17583 \def\rightline#1{%
17584 \if@RTL\@line{\hss\beginR#1\endR}
17585 \else\@line{\hss#1}\fi}
17586 \let\bidi@orig@leftline\leftline
17587 \let\bidi@orig@rightline\rightline
17588 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
17589 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\
17590 \def\bidirlap#1{\hb@xt@z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
17591 \def\bidillap#1{\hb@xt@z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
17592 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
17593 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
17594 \def\narrower{%
17595 \advance\if@RTL\rightright\else\leftskip\fi\parindent
17596 \advance\if@RTL\leftskip\else\rightright\fi\parindent}
17597 \def\underline#1{%
17598 \relax
17599 \ifmmode\@underline{#1}%
17600 \else
17601 \if@RTL $\@underline{\hbox{\beginR#1\endR}}\m@th$\relax
17602 \else
17603 $\@underline{\hbox{#1}}\m@th$\relax\fi\fi}
17604 \ifcompatibility
17605 \let\underline=\underline
17606 \fi
17607 \global\@RTLtabfalse
17608 \def\@tabular{\if@RTL\@RTLtabtrue\fi
17609 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
17610 $\let\@acol\@tabacol
17611 \let\@classz\@tabclassz
17612 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
17613 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
17614 \egroup $\if@RTLtab\endR\fi\egroup
17615 \@RTLtabfalse}
17616 \expandafter \let \csname endtabular*\endcsname = \endtabular
17617 \def\@array[#1]#2{%
17618 \if #1t\top \else \if #1b\box \else \vcenter \fi\fi
17619 \bgroup
17620 \setbox\@arstrutbox\hbox{%
17621 \vrule \@height\arraystretch\ht\strutbox
17622 \@depth\arraystretch \dp\strutbox
17623 \@width\z@}%

```



```

17624 \mkpream{#2}%
17625 \edef\@preamble{%
17626   \ialign \noexpand\@halignto
17627     \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17628 \let\startpbox\@startpbox \let\endpbox\@endpbox
17629 \let\tabularnewline\%
17630 \let\par\@empty
17631 \let\@sharp##%
17632 \set@typeset@protect
17633 \lineskip\z@skip\baselineskip\z@skip
17634 \ifhmode \@preamerr\z@ \@@par\fi
17635 \if@RTLtab\hbox\bgroup\beginR\if #1t\top \else \vbox \fi\bgroup\fi
17636 \@preamble}
17637 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
17638   \let\@classiv\@arrayclassiv
17639   \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
17640 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
17641   \ifnum \@lastchclass=3 5 \else
17642     \z@ \if #1c\@chnum \z@ \else
17643       \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
17644       \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
17645       \@chclass \if #1l\@ne \else
17646       \if #1@ \tw@ \else
17647       \if #1p3 \else \z@ \@preamerr 0\fi
17648   \fi \fi \fi \fi \fi \fi
17649 \fi}
17650 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
17651 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
17652 \def\bm@t{\unhbox\@tempboxa\hss}
17653 \def\bm@b{\hss\unhbox\@tempboxa}
17654 \def\@dottedtocline#1#2#3#4#5{%
17655   \ifnum #1>\c@tocdepth \else
17656     \vskip \z@ \@plus.2\p@
17657     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmarg \fi
17658     \parindent #2\relax\@afterindenttrue
17659     \interlinepenalty\@M
17660     \leavevmode
17661     \@tempdima #3\relax
17662     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
17663     {#4}\nobreak
17664     \leaders\hbox{$\m@th
17665       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
17666       mu$}\hfill
17667     \nobreak
17668     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
17669   \par}%
17670 \fi}
17671 \def\RTL@outputdblcol{%
17672   \if@firstcolumn \global\@firstcolumnfalse
17673   \global\setbox\@leftcolumn \box\@outputbox

```



```

17674 \else \global\@firstcolumntrue
17675 \setbox\@outputbox \vbox {\hbox to\textwidth {%
17676 \hskip \columnwidth
17677 \hfil \vrule width\columnseprule \hfil
17678 \hbox to\columnwidth {\box\@leftcolumn \hss}%
17679 \hskip -\textwidth
17680 \hbox to\columnwidth{\box\@outputbox \hss}%
17681 \hskip \columnsep
17682 \hskip \columnwidth }}%
17683 \@combinedblfloats \@outputpage
17684 \begingroup \@dblfloatplacement \@startdblcolumn
17685 \@whiles\if@fcolmade \fi
17686 {\@outputpage \@startdblcolumn }\endgroup
17687 \fi}
17688 \def\LTR@outputdblcol{%
17689 \if@firstcolumn
17690 \global \@firstcolumnfalse
17691 \global \setbox\@leftcolumn \box\@outputbox
17692 \else
17693 \global \@firstcolumntrue
17694 \setbox\@outputbox \vbox {%
17695 \hb@xt@\textwidth {%
17696 \hb@xt@\columnwidth {%
17697 \box\@leftcolumn \hss}%
17698 \hfil
17699 {\normalcolor\vrule \@width\columnseprule}%
17700 \hfil
17701 \hb@xt@\columnwidth {%
17702 \box\@outputbox \hss}%
17703 }%
17704 }%
17705 \@combinedblfloats
17706 \@outputpage
17707 \begingroup
17708 \@dblfloatplacement
17709 \@startdblcolumn
17710 \@whiles\if@fcolmade \fi
17711 {\@outputpage
17712 \startdblcolumn}%
17713 \endgroup
17714 \fi
17715 }
17716 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
17717 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
17718 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
17719 \def\LTRmarginpar{%
17720 \ifhmode
17721 \bsphack
17722 \floatpenalty -\Mii
17723 \else

```



```

17724 \floatpenalty-\@Miii
17725 \fi
17726 \ifinner
17727 \parmoderr
17728 \floatpenalty\z@
17729 \else
17730 \next\@currbox\@freelist{}\}%
17731 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
17732 {\floatpenalty\z@
17733 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
17734 \fi
17735 \ifnextchar [\@LTRxmpar\@LTRYmpar}
17736 \long\def\@LTRxmpar[#1]#2{%
17737 \@LTRsavemarbox\@marbox{#1}%
17738 \@LTRsavemarbox\@currbox{#2}%
17739 \@xympar}
17740 \long\def\@LTRYmpar#1{%
17741 \@LTRsavemarbox\@marbox{#1}%
17742 \global\setbox\@currbox\copy\@marbox
17743 \@xympar}
17744 \long\def \@LTRsavemarbox #1#2{%
17745 \global\setbox #1%
17746 \color@vbox
17747 \vtop{%
17748 \hsize\marginparwidth
17749 \@parboxrestore
17750 \@LTRmarginparreset
17751 #2%
17752 \@minipagefalse
17753 \outer@nobreak
17754 }%
17755 \color@endbox
17756 }
17757 \def \@LTRmarginparreset {%
17758 \reset@font
17759 \normalsize
17760 \@minipagetrue
17761 \everypar{\@minipagefalse\everypar{}\beginL}%
17762 }
17763 \def\RTLmarginpar{%
17764 \ifhmode
17765 \bsphack
17766 \floatpenalty -\@Mii
17767 \else
17768 \floatpenalty-\@Miii
17769 \fi
17770 \ifinner
17771 \parmoderr
17772 \floatpenalty\z@
17773 \else

```



```

17774 \@next\@currbox\@freelist{ }{}%
17775 \@next\@marbox\@freelist{global\count\@marbox\m@ne}%
17776 {\@floatpenalty\z@
17777 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
17778 \fi
17779 \ifnextchar [\@RTLxmpar\@RTLympar}
17780 \long\def\@RTLxmpar[#1]#2{%
17781 \@RTLSavemarbox\@marbox{#1}%
17782 \@RTLSavemarbox\@currbox{#2}%
17783 \@xympar}
17784 \long\def\@RTLympar#1{%
17785 \@RTLSavemarbox\@marbox{#1}%
17786 \global\setbox\@currbox\copy\@marbox
17787 \@xympar}
17788 \long\def \@RTLSavemarbox #1#2{%
17789 \global\setbox #1%
17790 \color@vbox
17791 \vtop{%
17792 \hsize\marginparwidth
17793 \@parboxrestore
17794 \@RTLmarginparreset
17795 #2%
17796 \@minipagefalse
17797 \outer@nobreak
17798 }%
17799 \color@endbox
17800 }
17801 \def \@RTLmarginparreset {%
17802 \reset@font
17803 \normalsize
17804 \@minipagetrue
17805 \everypar{\@minipagefalse\everypar{}\beginR}%
17806 }
17807 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
17808 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
17809 \if@twocolumn
17810 \if@firstcolumn \@tempcnta\m@ne \fi
17811 \else
17812 \if@mparswitch
17813 \ifodd\c@page \else\@tempcnta\m@ne \fi
17814 \fi
17815 \if@reversemargin \@tempcnta -\@tempcnta \fi
17816 \fi
17817 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
17818 \@tempdima\@parbottom
17819 \advance\@tempdima -\@pageht
17820 \advance\@tempdima\ht\@marbox
17821 \ifdim\@tempdima >\z@
17822 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
17823 \else

```



```

17824      \@tempdima\z@
17825      \fi
17826      \global\@mparbottom\@pageht
17827      \global\advance\@mparbottom\@tempdima
17828      \global\advance\@mparbottom\dp\@marbox
17829      \global\advance\@mparbottom\marginparpush
17830      \advance\@tempdima -\ht\@marbox
17831      \global\setbox \@marbox
17832              \vbox {\vskip \@tempdima
17833                      \box \@marbox}%
17834      \global \ht\@marbox \z@
17835      \global \dp\@marbox \z@
17836      \kern -\@pagedp
17837      \nointerlineskip
17838      \hb@xt@\columnwidth
17839      {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
17840       \hskip\columnwidth \hskip\marginparsep
17841       \else
17842       \hskip -\marginparsep \hskip -\marginparwidth
17843       \fi
17844       \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
17845       \nointerlineskip
17846       \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
17847 \long\def\@ympar#1{%
17848   \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
17849   \global\setbox\@currbox\copy\@marbox
17850   \@xympar}
17851 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
17852 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
17853 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
17854 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
17855   \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
17856   \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
17857   \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
17858   \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
17859   \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
17860 \fi}
17861 \def\@outputpage{%
17862 \begingroup          % the \endgroup is put in by \aftergroup
17863   \let \protect \noexpand
17864   \@resetactivechars
17865   \global\let\@@if@newlist\if@newlist
17866   \global\@newlistfalse
17867   \@parboxrestore
17868   \shipout \vbox{%
17869     \set@typeset@protect
17870     \aftergroup \endgroup
17871     \aftergroup \set@typeset@protect
17872     % correct? or just restore by ending
17873     % the group?

```




```

17874 \if@specialpage
17875   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
17876 \fi
17877 \if@twoside
17878   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
17879   \let\@themargin\oddsidemargin
17880   \else \let\@thehead\@evenhead
17881   \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
17882 \fi
17883 \ifx\@thehead\@empty \let\@thehead\hfil \fi
17884 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
17885 \else %% not @twoside
17886 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
17887 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
17888 \fi
17889 \reset@font
17890 \normalsize
17891 \normalsfcodes
17892 \let\label\@gobble
17893 \let\index\@gobble
17894 \let\glossary\@gobble
17895 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
17896 \@begindvi
17897 \vskip \topmargin
17898 \moveright\@themargin \vbox {%
17899   \setbox\@tempboxa \vbox to\headheight{%
17900     \vfil
17901     \color@hbox
17902     \normalcolor
17903     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLmain
17904     \color@endbox
17905     }%
17906     \dp\@tempboxa \z@
17907     \box\@tempboxa
17908     \vskip \headsep
17909     \box\@outputbox
17910     \baselineskip \footskip
17911     \color@hbox
17912     \normalcolor
17913     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLmain
17914     \color@endbox
17915     }%
17916   }%
17917 \global\let\if@newlist\@if@newlist
17918 \global \colht \textheight
17919 \stepcounter{page}%
17920 \let\firstmark\botmark
17921 }
17922 \long\def\@makecaption#1#2{%
17923   \vskip\abovecaptionskip

```



```

17924 \sbox\@tempboxa{#1: #2}%
17925 \ifdim \wd\@tempboxa >\hsize
17926 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
17927 \else
17928 \global \@minipagefalse
17929 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
17930 \fi
17931 \vskip\belowcaptionskip}
17932 \let\@bidi@sav@eqno=\eqno
17933 \let\@bidi@sav@leqno=\leqno
17934 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@leqno \else \@bidi@sav@eqno \fi}
17935 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@eqno \else \@bidi@sav@leqno \fi}
17936 \@ifpackageloaded{amsmath}{%
17937 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
17938 }
17939 \input{footnote-xetex-bidi.def}
17940 \if@twocolumn
17941 \let\autofooterule\relax
17942 \let\leftfootnoterule\relax
17943 \let\rightfootnoterule\relax
17944 \textwidthfootnoterule
17945 \fi
17946 \if@bidi@csundef{@idxitem}{%
17947 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40p}%
17948 }
17949 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
17950 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
17951 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
17952 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
17953 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
17954 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
17955 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
17956 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
17957 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
17958 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
17959 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
17960 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
17961 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
17962 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
17963 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
17964 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
17965 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
17966 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
17967 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
17968 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
17969 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
17970 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
17971 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
17972 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
17973 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}

```



```

17974 \@ifpackageloaded{amsmath}{}{%
17975 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
17976 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
17977 }
17978 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
17979 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
17980 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
17981 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
17982 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
17983 \@ifpackagewith{algorithm2e}{algonl}{%
17984 \renewcommand{\theAlgoLine}{\expandafter\cename the\algocf@float\endcsname\@SepMark\arabic{Alg
17985 }}{}
17986 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
17987 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
17988 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
17989 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
17990 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
17991 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
17992 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
17993 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
17994 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
17995 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
17996 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
17997 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
17998 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
17999 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
18000 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
18001 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
18002 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
18003 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}{}
18004 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
18005 \@ifpackageloaded{xltxtra}{\input{xltxtra-xetex-bidi.def}}{}
18006 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
18007 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
18008 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
18009 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
18010 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
18011 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
18012 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
18013 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
18014 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
18015 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
18016 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
18017 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
18018 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
18019 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
18020 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
18021 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
18022 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
18023 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}

```



```

18024 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
18025 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
18026 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
18027 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
18028 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
18029 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
18030 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
18031 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
18032 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
18033 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
18034 \@ifpackagewith{sidecap}{innercaption}{%
18035   \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
18036     \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} \{{#1}\hspace{\sidecaptionsep}{#2}}\}
18037     \renewcommand*{\SC@justify@caption}{%
18038       \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
18039     \renewcommand*{\SC@FLOAT}[2]{%
18040       \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} \{{#2}\hspace{\sidecaptionsep}{#1}}\}
18041       \renewcommand*{\SC@justify@caption}{%
18042         \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
18043   }{}
18044   \@ifpackagewith{sidecap}{rightcaption}{%
18045     \if@RTL\renewcommand*{\SC@FLOAT}[2]{\{{#1}\hspace{\sidecaptionsep}{#2}}\}
18046     \def\SC@justify@caption{\RaggedLeft}\else%
18047     \renewcommand*{\SC@FLOAT}[2]{\{{#2}\hspace{\sidecaptionsep}{#1}}\}
18048     \def\SC@justify@caption{\RaggedRight}\fi%
18049   }{}
18050   \@ifpackagewith{sidecap}{leftcaption}{%
18051     \if@RTL\renewcommand*{\SC@FLOAT}[2]{\{{#2}\hspace{\sidecaptionsep}{#1}}\}
18052     \def\SC@justify@caption{\RaggedRight}\else%
18053     \renewcommand*{\SC@FLOAT}[2]{\{{#1}\hspace{\sidecaptionsep}{#2}}\}
18054     \def\SC@justify@caption{\RaggedLeft}\fi%
18055   }{}
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18057 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
18058 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
18059 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
18060 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
18061 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
18062 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
18063 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
18064 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
18065 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
18066 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
18067 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
18068 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
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18070 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
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18073 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}

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18075 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
18076 \ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
18077 \ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

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7.119 xltextra-xetex-bidi.def

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18078 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for Xe
18079 \let\@XeTeX\XeTeX
18080 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
18081 \let\@XeLaTeX\XeLaTeX
18082 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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9 Change History

v13.9	General: Added implementaion of the package.	lot, lof, etc with multicol package. 283
v14.2	General: Fixed the wrong order of toc,	v14.3
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