



The bidi *Package*

Documentation for *version 17.5*

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 17.5](#)

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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
*
* 2015/07/04, v17.5
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://github.com/persian-tex/bidi/issues
*
* Support: persian-tex@tug.org
*****
```

Part I

\LaTeX Manual

1 Basics

1.1 Loading The Package

You can load the package in the ordinary way;



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

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

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

For instance, consider the following minimal example:

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

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

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

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

1.4 \begin{document}

?
```

1.2 bidi's Symbol

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

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



1.3 Commands for Version number, and Date of The Package

`\bidiversion` `\bididate`

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

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

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

1.4 Turning TeX--XeT features on and off

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

`\TeXXeTOn` `\TeXXeTOff`

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

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

1.5 Options of The Package

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

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

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



```

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

```

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

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

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

☞ `\paragraphfootnotes` typesets footnotes in paragraph format.

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

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

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

1.6 Paragraph Switching Commands

```

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

```

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

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

```

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

```




```

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

```

1.7 Paragraph Switching Environments

```

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

```

☞ With LTR environment, you can typeset LTR paragraphs.

☞ With RTL environment, you can typeset RTL paragraphs.

```

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

```

1.8 Typesetting Short LTR and RTL Texts

```

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

```

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

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



```

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

```

1.9 Footnotes

```

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

```

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



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

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

1.9.1 Footnote Rule

The behavior of footnote rules can also be controlled.

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

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

1.10 Two Column Typesetting

```
\RTLdblcol \LTRdblcol
```

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



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

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 `bidir` 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{bidir}
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
```

`bidir` 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{bidir}
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{\langle length \rangle}
```

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

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

3.5 Typesetting Resumé

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

3.6 Print Two Pages On A Single Page

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

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



3.7 Producing Presentations

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

4 Some Useful Internal Macros and Programming Tips

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

4.1 Equating Conditionals

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

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

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

4.2 RTL Conditional

`\if@RTL`

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

4.3 Main RTL Conditional

`\if@RTLmain`

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

4.4 Latin Conditional

`\if@Latin`

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



4.5 Tags Internal Macro

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

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

4.6 Definition File Loaded Internal Macro

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

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

4.7 Tabular Conditional

```
\if@RTLtab
```

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

4.8 Footnote Conditional

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

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

4.9 Direction Ensuring Macros

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

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

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



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

4.10 Reset Direction Macro

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

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

Part II

Plain T_EX Manual

5 Basics

5.1 Loading The Package

You can load the package in the ordinary way;

```
\input bidi
```

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

5.2 Commands for Version number, and Date of The Package

```
\bidiversion \bididate
```

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

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



5.3 Turning TeX--XeT features on and off

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

`\TeXXeTOn \TeXXeTOff`

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

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

5.4 Paragraph Switching Commands

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

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

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

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

5.5 Paragraph Switching Environments

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

☞ With LTR environment, you can typeset LTR paragraphs.



☞ With RTL environment, you can typeset RTL paragraphs.

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

5.6 Typesetting Short LTR and RTL Texts

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

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

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

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



5.7 Primitive-like commands

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

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

5.8 Something To know about `\hbox`

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

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

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

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

5.9 Typesetting Logos

`\XeTeX`

`bidi` defines Xe \TeX 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}[2013/04/26 v0.8 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\rightright\else\leftskip\fi#3\relax \advance\if@RTL\rightright\else\leftskip\fi#3\relax
13 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27 \hbox to \columnwidth
28 {\beginR \vbox{\kern-.4\p@
29 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
30 \def\left@footnoterule{\kern-.4\p@
31 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35 \insert\footins{%
36 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37 \normalfont\footnotesize
38 \interlinepenalty\interfootnotelinepenalty
39 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
40 \floatingpenalty\@MM \hsize\columnwidth
41 \@parboxrestore \parindent\normalparindent \sloppy
42 \protected@edef\@currentlabel{%
43 \csname p@footnote\endcsname\@thefnmark}%
44 \@makefnmark{%
45 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
46
47 \long\def\@RTLfootnotetext#1{%
48 \insert\footins{%
49 \@RTLtrue%
50 \normalfont\footnotesize
51 \interlinepenalty\interfootnotelinepenalty
52 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
53 \floatingpenalty\@MM \hsize\columnwidth
54 \@parboxrestore \parindent\normalparindent \sloppy
55 \protected@edef\@currentlabel{%
56 \csname p@footnote\endcsname\@thefnmark}%

```



```

57 \makefnintext{%
58 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
59
60
61
62 \long\def\@LTRfootnotetext#1{%
63 \insert\footins{%
64 \RTLfalse%
65 \normalfont\footnotesize
66 \interlinepenalty\interfootnotelinepenalty
67 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
68 \floatingpenalty\@MM \hsize\columnwidth
69 \@parboxrestore \parindent\normalparindent \sloppy
70 \protected@edef\@currentlabel{%
71 \csname p@footnote\endcsname\@thefnmark}%
72 \makefnintext{%
73 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
74
75
76 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
77 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
78 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
79
80 \renewenvironment{thebibliography}[1]{%
81 \bibtitlestyle
82 \normalfont\bibliofont\labelsep .5em\relax
83 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
84 \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   \onx\markboth{\the\toks4
121     \onx\MakeUppercase{\the\toks4}}{\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}[2013/04/26 v0.9 bidi adaptations for amsbook class for XeT
203 \def\tocline#1#2#3#4#5#6#7{\relax
204 \ifnum #1>\c@tocdepth % then omit
205 \else
206 \par \addpenalty\@secpenalty\addvspace{#2}%
207 \begingroup \hyphenpenalty\@M
208 \@ifempty{#4}{%
209 \@tempdima\csname r@tocindent\number#1\endcsname\relax
210 }{%
211 \@tempdima#4\relax
212 }%
213 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\lef
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\right@footnoterule{%
237 \hbox to \columnwidth
238 {\beginR \vbox{\kern-.4\p@
239 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
240 \def\left@footnoterule{\kern-.4\p@
241 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
242
243 \long\def\@footnotetext#1{%
244 \insert\footins{%
245 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
246 \normalfont\footnotesize
247 \interlinepenalty\interfootnotelinepenalty

```



```

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

```



```

298 \sfcode`\.=\@m
299 }{%
300 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
301 \endlist
302 }
303 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
304 \begingroup
305 \fontsize{\@xivpt}{18}\bfseries\centering
306 \ifnum\c@secnumdepth>\m@ne
307 \leavevmode \hskip-\if@RTL\righskip\else\leftskip\fi
308 \rlap{\vbox to\z@{\vss
309 \centerline{\normalsize\mdseries
310 \uppercase\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\@xtitle \do\@title
323 \do\author \do\@xauthor \do\address \do\@xaddress
324 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
325 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
326 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
327 }

```

7.5 amsmath-xetex-bidi.def

```

328 \ProvidesFile{amsmath-xetex-bidi.def}[2014/09/04 v0.9 bidi adaptations for amsmath package for 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\f@size#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}[2010/08/01 v0.2b 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 \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 #1t\vtop \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\vbox\bgroup
400 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
401 \def\endarray{\crcr \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
402 \def\array{\col@sep\arraycolsep
403 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
404 \@RTLtabfalse\@tabarray}

```

7.9 article-xetex-bidi.def

```

405 \ProvidesFile{article-xetex-bidi.def}[2010/07/25 v0.4 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 \hbox to \columnwidth
539 {\beginR \vbox{%
540 \kern-3\p@
541 \hrule\@width.4\columnwidth
542 \kern2.6\p@}\hfil\endR}}
543 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
544 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
545 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
546 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
547 \def\@part[#1]#2{%
548 \ifnum \c@secnumdepth >\m@ne
549 \refstepcounter{part}%
550 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
551 \else
552 \addcontentsline{toc}{part}{#1}%
553 \fi
554 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
555 \interlinepenalty \M
556 \normalfont
557 \ifnum \c@secnumdepth >\m@ne
558 \Large\bfseries \partname\nobreakspace\thepart
559 \par\nobreak
560 \fi
561 \huge \bfseries #2%
562 \markboth{}{}\par}%
563 \nobreak
564 \vskip 3ex
565 \@afterheading}
566 \renewenvironment{thebibliography}[1]
567 {\section*{\refname}%
568 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
569 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
570 \list{\@biblabel{\@arabic\c@enumiv}}%
571 {\settowidth\labelwidth{\@biblabel{#1}}%
572 \leftmargin\labelwidth
573 \advance\leftmargin\labelsep
574 \@openbib@code
575 \usecounter{enumiv}%
576 \let\p@enumiv\@empty
577 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
578 \sloppy
579 \clubpenalty4000
580 \@clubpenalty \clubpenalty
581 \widowpenalty4000%
582 \sfcode`\.\@m}
583 {\def\@noitemerr
584 {\@latex@warning{Empty `thebibliography' environment}}}%

```




```

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

```

7.10 artikel1-xetex-bidi.def

```

601 \ProvidesFile{artikel1-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for artikel1 class for X
602 \renewenvironment{theindex}{\%
603   \if@twocolumn
604     \@restonecolfalse
605   \else
606     \@restonecoltrue
607   \fi
608   \columnseprule \z@
609   \columnsep 35\p@
610   \twocolumn[\section*{\indexname}]\%
611   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}\%
612   \thispagestyle{plain}\parindent\z@
613   \parskip\z@ \@plus .3\p@\relax
614   \let\item\@idxitem
615 }{\%
616   \if@restonecol\onecolumn\else\clearpage\fi}
617 \renewcommand*{\head@style}{\%
618   \interlinepenalty \@M
619   \hyphenpenalty=\@M \exhyphenpenalty=\@M
620   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
621 \if@titlepage
622   \renewenvironment{abstract}{\%
623     \titlepage
624     \null\vfil
625     \section*{\SectFont\abstractname}
626     \noindent\ignorespaces}
627   {\par\vfil\null\endtitlepage}
628 \else
629   \renewenvironment{abstract}{\%
630     \if@twocolumn
631       \section*{\abstractname}\%

```



```

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

```



```

682 \addpenalty\@secpenalty
683 \addvspace{1.0em \@plus\p@}%
684 \setlength\@tempdima{1.5em}%
685 \beginingroup
686 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
687 \parfillskip -\@pnumwidth
688 \leavevmode \bfseries
689 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
690 \hskip -\if@RTL\rightskip\else\leftskip\fi
691 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
692 \endgroup}
693 \else
694 \renewcommand*\l@section{\@regtocline{1}}
695 \fi
696 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
697 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
698 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
699 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
700 \renewenvironment{thebibliography}[1]
701 {
702   \section*\refname}%
703   \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
704   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
705   \list{\@biblabel{\@arabic\c@enumiv}}%
706     {\settowidth\labelwidth{\@biblabel{#1}}%
707     \leftmargin\labelwidth
708     \advance\leftmargin\labelsep
709     \openbib@code
710     \usecounter{enumiv}%
711     \let\p@enumiv\@empty
712     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
713   \sloppy\clubpenalty4000\widowpenalty4000%
714   \sfcode`\.\@m}
715   {\def\@noitemerr
716     {\@latex@warning{Empty `thebibliography' environment}}}%
717   \endlist}
718 \renewcommand*\left@footnoterule{%
719   \kern-3\p@
720   \kern.5\baselineskip
721   \hrule\@width\unitindent
722   \kern.4\baselineskip
723 }
724 \renewcommand*\right@footnoterule{%
725   \hbox to \columnwidth
726   {\beginR \vbox{%
727     \kern-3\p@
728     \kern.5\baselineskip
729     \hrule\@width\unitindent
730     \kern.4\baselineskip}\hfil\endR}
731 }
732 \if@titlepage

```



```

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

```



```

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

```



```

832 }
833 \def\@maketitle{%
834   \newpage
835   \null
836   \vskip 2em%
837   \begin{center}%
838     \let \footnote \thanks
839     {\LARGE \TitleFont \@title \par}%
840     \vskip 1.5em%
841     {\large \TitleFont
842       \lineskip .5em%
843       \begin{tabular}[t]{c}%
844         \@author
845         \end{tabular}\par}%
846     \vskip 1em%
847     {\large \TitleFont \@date}%
848   \end{center}%
849   \par
850   \vskip 1.5em}
851 \fi

```

7.11 artikel2-xetex-bidi.def

```

852 \ProvidesFile{artikel2-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for artikel2 class for X
853 \renewenvironment{theindex}{%
854   \if@twocolumn
855     \@restonecolfalse
856   \else
857     \@restonecoltrue
858   \fi
859   \columnseprule \z@
860   \columnsep 35\p@
861   \twocolumn[\section*{\indexname}]%
862   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
863   \thispagestyle{plain}\parindent\z@
864   \parskip\z@ \@plus .3\p@\relax
865   \let\item\@idxitem
866 }{%
867   \if@restonecol\onecolumn\else\clearpage\fi}
868 \renewcommand*\@regtocline[3]{%
869   \ifnum #1>\c@tocdepth
870   \else
871     \vskip\z@\@plus.2\p@
872     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
873       \if@RTL\righskip\else\leftskip\fi\unitindent
874       \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
875       \parfillskip\z@
876       \@tempdima\unitindent
877       \advance\@tempdima by \othermargin
878       \parindent\z@

```



```

879     \leavevmode
880     \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
881     \hskip 1em \nobreak{\slshape #3}\par
882 }%
883 \fi}
884 \if@oldtoc
885 \renewcommand*\l@section[2]{%
886     \addpenalty\@secpenalty
887     \addvspace{1.0em \@plus\p0}%
888     \setlength\@tempdima{1.5em}%
889     \begingroup
890     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
891     \parfillskip -\@pnumwidth
892     \leavevmode \bfseries
893     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
894     \hskip -\if@RTL\righskip\else\leftskip\fi
895     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
896     \endgroup}
897 \else
898     \renewcommand*\l@section{\@regtocline{1}}
899 \fi
900 \if@oldtoc
901 \renewcommand*\l@part[2]{%
902     \ifnum \c@tocdepth >-2\relax
903         \addpenalty\@secpenalty
904         \addvspace{2.25em \@plus\p0}%
905         \begingroup
906             \setlength\@tempdima{3em}%
907             \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
908             \parfillskip -\@pnumwidth
909             {\leavevmode
910                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
911                 \nobreak
912                 \if@compatibility
913                 \global\@nobreaktrue
914                 \everypar{\global\@nobreakfalse\everypar{}}%
915             \fi
916         \endgroup
917     \fi}
918 \else
919     \renewcommand*\l@part{%
920         \ifnum \c@tocdepth >-2\relax
921             \addpenalty\@secpenalty
922             \addvspace{2.25em \@plus \p0}%
923             \@regtocline{0}%
924         \fi}
925 \fi
926 \renewcommand*\head@style{%
927     \interlinepenalty \@M
928     \hyphenpenalty=\@M \exhyphenpenalty=\@M

```



```

929 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
930 \if@titlepage
931 \renewenvironment{abstract}{%
932 \titlepage
933 \null\vfil
934 \section*{\SectFont\abstractname}%
935 \noindent\ignorespaces}
936 {\par\vfil\null\endtitlepage}
937 \else
938 \renewenvironment{abstract}{%
939 \if@twocolumn
940 \section*{\abstractname}%
941 \else
942 \section*{\hskip\unitindent\small\SectFont\abstractname}%
943 \list{}{\setlength\listparindent{\unitindent}%
944 \setlength\parindent {\z@}%
945 \setlength\leftmargin {\unitindent}%
946 \setlength\rightmargin {\unitindent}%
947 \setlength\parsep {\z@}}%
948 \item[]%
949 \fi}
950 {\if@twocolumn\else\par\endlist\fi}
951 \fi
952 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
953 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
954 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
955 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
956 \renewcommand*\left@footnoterule{%
957 \kern-3\p@
958 \hrule\@width 3\unitindent
959 \kern 2.6\p@
960 }
961 \renewcommand*\right@footnoterule{%
962 \hbox to \columnwidth
963 {\beginR \vbox{%
964 \kern-3\p@
965 \hrule\@width 3\unitindent
966 \kern 2.6\p@}\hfil\endR}
967 }
968 \renewenvironment{thebibliography}[1]
969 {\section*{\refname}%
970 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
971 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
972 \list{\@biblabel{\@arabic\c@enumiv}}%
973 {\settowidth\labelwidth{\@biblabel{#1}}%
974 \leftmargin\labelwidth
975 \advance\leftmargin\labelsep
976 \@openbib@code
977 \usecounter{enumiv}%
978 \let\p@enumiv\@empty

```




```

979         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
980     \sloppy\clubpenalty4000\widowpenalty4000%
981     \sfcode`.\@m}
982     {\def\@noitemerr
983       {\@latex@warning{Empty `thebibliography' environment}}}%
984     \endlist}
985 \if@titlepage
986 \renewcommand*\TitleFont{\rmfamily}
987 \renewcommand*\maketitle{%
988   \begin{titlepage}%
989     \let\footnotesize\small
990     \let\right@footnoterule\relax
991     \let\left@footnoterule\relax
992     \let\textwidth\footnoterule\relax
993     \let \footnote \thanks
994     \long\def\@makefnmark{\parindent\z@
995       \def\labelitemi{\textendash}\@revlabeltrue
996       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
997     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
998     \if@compatibility\setcounter{page}{0}\fi
999     \null\vfil
1000     \vskip 60\p@
1001     \begin{center}%
1002       \TitleFont
1003       {\LARGE \def\\{\penalty -\@M}
1004         \if@allcaps
1005           \expandafter\uc@nothanks\@title\thanks\relax
1006         \else
1007           \@title
1008         \fi\par}%
1009       \vskip 3em%
1010       {\large
1011         \lineskip .75em \parindent\z@
1012         \begin{tabular}[t]{c}%
1013           \if@allcaps
1014             \expandafter\uc@authornothanks\@author\and\relax
1015           \else
1016             \@author
1017           \fi
1018         \end{tabular}\par}%
1019       \vskip 1.5em%
1020       {\large
1021         \if@allcaps
1022           \uppercase\expandafter{\@date}%
1023         \else
1024           \@date
1025         \fi\par}%
1026       \end{center}\par
1027     \@thanks
1028     \vfil\null

```



```

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

```



```

1079 \global\let\@author\@empty
1080 \global\let\@title\@empty
1081 \global\let\@date\@empty
1082 \global\let\title\relax
1083 \global\let\author\relax
1084 \global\let\date\relax
1085 \global\let\and\relax
1086 }
1087 \def\@maketitle{%
1088 \newpage
1089 \null
1090 \vskip 2em%
1091 \begin{center}%
1092 \let \footnote \thanks
1093 {\LARGE \TitleFont \@title \par}%
1094 \vskip 1.5em%
1095 {\large \TitleFont
1096 \lineskip .5em%
1097 \begin{tabular}[t]{c}%
1098 \@author
1099 \end{tabular}\par}%
1100 \vskip 1em%
1101 {\large \TitleFont \@date}%
1102 \end{center}%
1103 \par
1104 \vskip 1.5em}
1105 \fi

```

7.12 artikel3-xetex-bidi.def

```

1106 \ProvidesFile{artikel3-xetex-bidi.def}[2011/08/26 v0.3 bidi adaptations for artikel3 class for X
1107 \renewenvironment{theindex}{%
1108 \if@twocolumn
1109 \@restonecolfalse
1110 \else
1111 \@restonecoltrue
1112 \fi
1113 \columnseprule \z@
1114 \columnsep 35\p@
1115 \twocolumn[\section*{\indexname}]%
1116 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1117 \thispagestyle{plain}\parindent\z@
1118 \parskip\z@ \@plus .3\p@\relax
1119 \let\item\@idxitem
1120 }{%
1121 \if@restonecol\onecolumn\else\clearpage\fi}
1122 \renewcommand*{\head@style}{%
1123 \interlinepenalty \@M
1124 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1125 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```



```

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

```



```

1176 \leavevmode \bfseries
1177 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1178 \hskip -\if@RTL\rightskip\else\leftskip\fi
1179 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1180 \endgroup}
1181 \else
1182 \renewcommand*\l@section{\@regtocline{1}}
1183 \fi
1184 \if@titlepage
1185 \renewenvironment{abstract}{%
1186 \titlepage
1187 \null\vfil
1188 \section*{\SectFont\abstractname}%
1189 \noindent\ignorespaces}
1190 {\par\vfil\null\endtitlepage}
1191 \else
1192 \renewenvironment{abstract}{%
1193 \if@twocolumn
1194 \section*{\abstractname}%
1195 \else
1196 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1197 \section*{\small\SectFont\abstractname}%
1198 \noindent\ignorespaces
1199 \fi}
1200 {\if@twocolumn\else\par\egroup\fi}
1201 \fi
1202 \renewcommand*\left@footnoterule{%
1203 \kern-3\p@
1204 \kern.5\baselineskip
1205 \hrule\@width\unitindent
1206 \kern.4\baselineskip
1207 }
1208 \renewcommand*\right@footnoterule{%
1209 \hbox to \columnwidth
1210 {\beginR \vbox{%
1211 \kern-3\p@
1212 \kern.5\baselineskip
1213 \hrule\@width\unitindent
1214 \kern.4\baselineskip}\hfil\endR}
1215 }
1216 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1217 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1218 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1219 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1220 \renewenvironment{thebibliography}[1]
1221 {\section*{\refname}%
1222 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1223 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1224 \list{\@biblabel{\@arabic\c@enumiv}}%
1225 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

1226         \leftmargin\labelwidth
1227         \advance\leftmargin\labelsep
1228         \@openbib@code
1229         \usecounter{enumiv}%
1230         \let\p@enumiv\@empty
1231         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1232     \sloppy\clubpenalty4000\widowpenalty4000%
1233     \sfcode`.\@m}
1234     {\def\@noitemerr
1235      {\@latex@warning{Empty `thebibliography' environment}}}%
1236     \endlist}
1237 \if@titlepage
1238 \renewcommand*\TitleFont{\rmfamily}
1239 \renewcommand*\maketitle{%
1240   \begin{titlepage}%
1241     \let\footnotesize\small
1242     \let\right@footnoterule\relax
1243     \let\left@footnoterule\relax
1244     \let\textwidth@footnoterule\relax
1245     \let \footnote \thanks
1246     \long\def\@makefnmark##1{\parindent\z@
1247       \def\labelitemi{\textendash}\@revlabeltrue
1248       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1249     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1250     \if@compatibility\setcounter{page}{0}\fi
1251     \null\vfil
1252     \vskip 60\p@
1253     \begin{center}%
1254       \TitleFont
1255       {\LARGE \def\\{\penalty -\@M}
1256         \if@allcaps
1257           \expandafter\uc@nothanks\@title\thanks\relax
1258         \else
1259           \@title
1260         \fi\par}%
1261       \vskip 3em%
1262       {\large
1263         \lineskip .75em \parindent\z@
1264         \begin{tabular}[t]{c}%
1265           \if@allcaps
1266             \expandafter\uc@authornothanks\@author\and\relax
1267           \else
1268             \@author
1269           \fi
1270         \end{tabular}\par}%
1271       \vskip 1.5em%
1272       {\large
1273         \if@allcaps
1274           \uppercase\expandafter{\@date}%
1275         \else

```



```

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

```



```

1326 \setcounter{footnote}{0}%
1327 \global\let\thanks\relax
1328 \global\let\maketitle\relax
1329 \global\let\@maketitle\relax
1330 \global\let\@thanks\@empty
1331 \global\let\@author\@empty
1332 \global\let\@title\@empty
1333 \global\let\@date\@empty
1334 \global\let\title\relax
1335 \global\let\author\relax
1336 \global\let\date\relax
1337 \global\let\and\relax
1338 }
1339 \def\@maketitle{%
1340 \newpage
1341 \null
1342 \vskip 2em%
1343 \if@titlecentered
1344 \begin{center}%
1345 \let \footnote \thanks
1346 {\LARGE \TitleFont \@title \par}%
1347 \vskip 1.5em%
1348 {\large \TitleFont
1349 \lineskip .5em%
1350 \begin{tabular}[t]{c}%
1351 \@author
1352 \end{tabular}\par}%
1353 \vskip 1em%
1354 {\large \TitleFont \@date}%
1355 \end{center}%
1356 \else
1357 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
1358 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1359 \def\and{%% \begin{tabular} has already started
1360 \end{tabular}\hskip 1em plus .17fil
1361 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
1362 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1363 \vskip 1em {\large \TitleFont \@date}
1364 \fi
1365 \par
1366 \vskip 1.5em}
1367 \fi

```

7.13 arydshln-xetex-bidi.def

```

1368 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for
1369 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1370 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
1371 \expandafter\let\csname endtabular*\endcsname\endtabular
1372 \let\adl@array\@array

```




```

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

```



```

1423 \else
1424 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1425     \ifnum \@lastchclass=\thr@@ 5\relax \else
1426         \z@ \if #1c\@chnum \z@ \else
1427             \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1428             \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1429             \@chclass
1430             \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1431             \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1432             \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1433             \if #1@\tw@ \else
1434             \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1435         \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1436
1437 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1438     \or \or \@addamp \or
1439     \@acolampacol \or \@firstampfalse \@acol \fi
1440     \edef\@preamble{\@preamble
1441         \ifcase \@chnum
1442             \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1443             \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1444             \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1445 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1446     \or \or \@addamp \or
1447     \@acolampacol \or \@firstampfalse \@acol \fi
1448     \edef\@preamble{\@preamble
1449         \ifcase \@chnum
1450             \hfil\adl@putlrc{\@sharp\unskip}\hfil
1451             \or \adl@putlrc{\@sharp\unskip}\hfil
1452             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1453 \def\adl@class@start{6}
1454 \def\adl@class@iiiorvii{3}
1455 \fi
1456 \ifpackageloaded{colortbl}{%
1457 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1458 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1459     \let\@endpbox\adl@org@endpbox}
1460 \let\adl@CT@setup\CT@setup
1461 \def\CT@setup{\adl@CT@setup
1462     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1463     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1464     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1465 \let\adl@act@CT@setup\CT@setup
1466 \def\@classz{\@classx
1467     \@tempcnta\count@ \prepnext@tok
1468     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1469     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1470     \expandafter\adl@extract@drsc
1471     \the\toks\@tempcnta\doublerulesepcolor!\@nil
1472     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil

```



```

1473 \addtopreamble{\if@RTL\beginL\fi%
1474 \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1475 \ifcase \@chnum
1476 \hskip\stretch{.5}\kern\z@
1477 \dollarbegin
1478 \insert@column
1479 \dollarend\hskip\stretch{.5}%
1480 \or \dollarbegin \insert@column \dollarend \hfill
1481 \or \hfill \kern\z@ \dollarbegin \insert@column \dollarend
1482 \or $\vcenter
1483 \startpbox{\@nextchar}\insert@column \endpbox $%
1484 \or \vtop \startpbox{\@nextchar}\insert@column \endpbox
1485 \or \vbox \startpbox{\@nextchar}\insert@column \endpbox
1486 \fi
1487 \if@RTL\endR\fi\egroup\egroup
1488 \begingroup
1489 \CT@setup
1490 \CT@column@color
1491 \CT@row@color
1492 \CT@cell@color
1493 \CT@do@color
1494 \endgroup
1495 \@tempdima\ht\z@
1496 \advance\@tempdima\minrowclearance
1497 \vrule\@height\@tempdima\@width\z@
1498 \unhbox\z@\if@RTL\endL\fi}%
1499 \prepnext@tok}
1500 \let\adl@act@classz\@classz
1501 \let\adl@org@classz\@classz
1502 }{}

```

7.14 bidi.sty

```

1503 \NeedsTeXFormat{LaTeX2e}
1504 \def\bididate{2015/07/04}
1505 \def\bidiversion{v17.5}
1506 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1507 Bidirectional typesetting in plain TeX and LaTeX]
1508 \edef\@bidi@info{*****~J%
1509 * ~J%
1510 * bidi package (Bidirectional typesetting in~J%
1511 * plain TeX and LaTeX, using XeTeX engine)~J%
1512 * ~J%
1513 * Description: A convenient interface for~J%
1514 * typesetting bidirectional texts in plain TeX~J%
1515 * and LaTeX. The package includes adaptations~J%
1516 * for use with many other commonly-used packages.~J%
1517 * ~J%
1518 * Copyright (c) 2009--2015 Vafa Khalighi~J%
1519 * ~J%

```



```

1520 * \bididate, \bidiversion^^J%
1521 * ^^J%
1522 * License: LaTeX Project Public License, version^^J%
1523 * 1.3c or higher (your choice)^^J%
1524 * ^^J%
1525 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1526 * ^^J%
1527 * Issue tracker: https://github.com/persian-tex/bidi/issues^^J%
1528 * ^^J%
1529 * Support: persian-tex@tug.org^^J%
1530 *****}
1531 \typeout{\@bidi@info}
1532 \edef\bidi@everyjob{\the\everyjob}
1533 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1534 \RequirePackage{iftex}
1535 \RequireXeTeX
1536 \RequirePackage{biditools}
1537 \RequirePackage{zref-abspage}
1538 \RequirePackage{auxhook}
1539 \RequirePackage{ltxcmds}
1540 \RequirePackage{xkeyval}
1541 \eqnewif{\if@RTLmain}{\if@rlmain}
1542 \eqnewif{\if@RTL}{\if@rl}
1543 \newif\if@Latin
1544 \eqnewif{\if@RTLtab}{\if@tab@rl}
1545 \newif\if@RTLmarginpar
1546 \newif\if@LTRmarginpar
1547 \newif\if@LTRbibitems
1548 \newif\if@RTLbibitems
1549 \newif\if@extrafootnotefeatures
1550 \newif\if@parafootRTL
1551 \newif\if@RTLcolumnfootnotes
1552 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1553 \newif\if@bidi@list@minipage@parbox
1554 \newif\if@bidi@list@minipage@parbox@not@nob
1555 \@RTLmainfalse
1556 \AtBeginDocument{%
1557   \if@RTLmain\else
1558     \if@RTL\@RTLmaintrue%
1559     \else\@RTLmainfalse%
1560     \fi%
1561   \fi%
1562 }
1563 \let\n@xt=\
1564 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1565 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1566 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1567 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1568 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1569 \errmessage{Missing left brace has been substituted}\fi \bgroup}

```



```

1570 \input{latex-xetex-bidi.def}
1571 \input{loadingorder-xetex-bidi.def}
1572 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1573   \ifcase\bidi@tempb\relax
1574     \RTLtrue
1575   \or
1576     \RTLfalse
1577   \fi}
1578 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1579   \ifcase\bidi@tempb\relax
1580     \RTLtrue
1581   \or
1582     \RTLfalse
1583   \fi}
1584 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1585   \ifcase\bidi@tempb\relax
1586     \autofootnoterule
1587   \or
1588     \leftfootnoterule
1589   \or
1590     \rightfootnoterule
1591   \or
1592     \SplitFootnoteRule
1593   \or
1594     \textwidthfootnoterule
1595   \fi}
1596 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefftorig
1597   \ifcase\bidi@tempb\relax
1598     \RTL@footnotetrue
1599   \or
1600     \RTL@footnotefalse
1601   \fi}
1602 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1603   \ifcase\bidi@tempb\relax
1604     \footdir@debugtrue
1605   \or
1606     \footdir@debugfalse
1607   \fi}
1608 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1609   \ifcase\bidi@tempb\relax
1610     \@extrafootnotefeaturestrue
1611   \or
1612     \@extrafootnotefeaturesfalse
1613   \fi}
1614
1615 \ProcessOptionsX
1616
1617 \if@extrafootnotefeatures
1618   \input{extrafootnotefeatures-xetex-bidi.def}
1619 \fi

```



7.15 bidi.tex

```
1620 \def\bididate{2015/07/04}
1621 \def\bidiversion{v0.2}
1622 \catcode\@=11
1623 \let\protect\relax
1624 \newlinechar``^^J
1625 \edef\@bidi@info{*****^^J%
1626 * ^^J%
1627 * bidi package (Bidirectional typesetting in^^J%
1628 * plain TeX and LaTeX, using XeTeX engine)^^J%
1629 * ^^J%
1630 * Description: A convenient interface for^^J%
1631 * typesetting bidirectional texts in plain TeX^^J%
1632 * and LaTeX. The package includes adaptations^^J%
1633 * for use with many other commonly-used packages.^^J%
1634 * ^^J%
1635 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1636 * ^^J%
1637 * \bididate, \bidiversion^^J%
1638 * ^^J%
1639 * License: LaTeX Project Public License, version^^J%
1640 * 1.3c or higher (your choice)^^J%
1641 * ^^J%
1642 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1643 * ^^J%
1644 * Issue tracker: https://github.com/persian-tex/bidi/issues^^J%
1645 * ^^J%
1646 * Support: persian-tex@tug.org^^J%
1647 *****}
1648 \message{\@bidi@info}
1649 \edef\bidi@everyjob{\the\everyjob}
1650 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1651 \input iftex.sty
1652 \RequireXeTeX
1653 \newif\if@RTLmain
1654 \newif\if@RTL
1655 \newif\if@sntdir
1656 \newif\if@RTL@footnote
1657 \@RTLmainfalse
1658 \def\setRTLmain{%
1659   \if@RTLmain\else
1660     \if@RTL\@RTLmaintrue%
1661     \else\@RTLmainfalse%
1662     \fi%
1663   \fi%
1664 }
1665 \let\n@xt=\
1666 \protected\def\LRE{\protect\pLRE}%
1667 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
```



```

1668 \protected\def\RLE{\protect\pRLE}
1669 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1670 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1671 \errmessage{Missing left brace has been substituted}\fi \bgroup}
1672 \input plain-xetex-bidi.def
1673 \catcode\@=12

```

7.16 bidi2in1.sty

```

1674 \NeedsTeXFormat{LaTeX2e}
1675 \ProvidesPackage{bidi2in1}
1676 \pagestyle{plain}
1677 \newcount\evenpage
1678 \newcount\oddpag
1679 \twocolumn
1680 \def\@oddfoot{\evenpage=\thepage%
1681 \multiply\evenpage by 2%
1682 \oddpag=\the\evenpage%
1683 \advance\oddpag by -1%
1684 \hfil\the\evenpage\hfil\hfil\the\oddpag\hfil}%
1685 \def\@evenfoot{\evenpage=\thepage%
1686 \multiply\evenpage by 2%
1687 \oddpag=\the\evenpage%
1688 \advance\oddpag by -1%
1689 \hfil\the\oddpag\hfil\hfil\the\evenpage\hfil}%
1690 \textwidth 9.49in
1691 \textheight 6.7in
1692 \columnsep 0.9in
1693 \columnseprule 0.125pt
1694 \headheight 0cm
1695 \topmargin 0in
1696 \marginparwidth 0in
1697 \marginparsep 0in
1698 \hoffset 0.05in % Corrected
1699 \voffset -0.5in %top margin space is 1.0in by default
1700 \oddsidemargin 0in
1701 \evensidemargin 0in
1702 \headsep 0cm
1703 \topskip 0cm
1704 \parskip 0.15in %
1705 \headsep 0pt
1706 \special{papersize=11.69in,8.26in}
1707 \renewcommand\maketitle{\par
1708 \begingroup
1709 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1710 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1711 \long\def\@makefntext##1{\parindent 1em\noindent
1712 \hb@xt@1.8em{\%
1713 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1714 \@maketitle

```



```

1715 \@thanks
1716 \endgroup
1717 \setcounter{footnote}{0}%
1718 \global\let\thanks\relax
1719 \global\let\maketitle\relax
1720 \global\let\@maketitle\relax
1721 \global\let\@thanks\@empty
1722 \global\let\@author\@empty
1723 \global\let\@date\@empty
1724 \global\let\@title\@empty
1725 \global\let\title\relax
1726 \global\let\author\relax
1727 \global\let\date\relax
1728 \global\let\and\relax
1729 }

```

7.17 `bidicode.sty`

```

1730 \NeedsTeXFormat{LaTeX2e}
1731 \ProvidesPackage{bidicode}
1732 \RequirePackage{xcolor}
1733 \RequirePackage{showexpl}
1734 \definecolor{hellgelb}{rgb}{1,1,0.85}
1735 \definecolor{colKeys}{rgb}{0,0,1}
1736 \definecolor{colIdentifier}{rgb}{0,0,0}
1737 \definecolor{colComments}{rgb}{1,0,0}
1738 \definecolor{colString}{rgb}{0,0.5,0}
1739 \lstset{
1740     language=[LaTeX]TEX,
1741     float=hb,
1742     basicstyle=\ttfamily\small,
1743     identifierstyle=\color{colIdentifier},
1744     keywordstyle=\color{colKeys},
1745     stringstyle=\color{colString},
1746     commentstyle=\color{colComments},
1747     columns=flexible,
1748     tabsize=4,
1749     gobble =1,
1750     extendedchars=true,
1751     showspaces=false,
1752     showstringspaces=false,
1753     numbers=left,
1754     numbersep=0.9em,
1755     numberstyle=\tiny, %
1756     frame=single,
1757     captionpos=b,
1758     xleftmargin=1em,
1759     breaklines=true,
1760     breakautoindent=false,
1761     breakindent=0pt,

```




```

1762     escapeinside=**,
1763     pos=r,
1764     explpreset={%
1765         xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1766     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1767 }
1768 \newcommand\HLON{%
1769     \gdef\lst@alloverstyle##1{%
1770         \fboxrule=0pt
1771         \fboxsep=0pt
1772         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1773     }}
1774 \newcommand\HLOFF{%
1775     \xdef\lst@alloverstyle##1{##1}%
1776 }
1777 \newcommand\Larg [1]{\{\normalfont\itshape#1\}/}
1778 \newcommand\Larga[1]{\{$\langle$\Larg{#1}$\rangle$}
1779 \newcommand\Largb[1]{\{\lcb\Larg{#1}\rcb}
1780 \newcommand\Largs[1]{\{\lsb\Larg{#1}\rsb}
1781 \newcommand\Largr[1]{\{\lrb\Larg{#1}\rrb}
1782 \newcommand\LBEG[1]{\{\normalfont\ttfamily\bs{}\begin\lcb#1\rcb}}
1783 \newcommand\LEND[1]{\{\normalfont\ttfamily\bs{}\end\lcb#1\rcb}}
1784
1785 \DeclareRobustCommand\bs{\{\normalfont\ttfamily\symbol{92}\}}
1786 \DeclareRobustCommand\lcb{\{\normalfont\ttfamily\char`{\}}
1787 \DeclareRobustCommand\rcb{\{\normalfont\ttfamily\char`{\}}
1788 \DeclareRobustCommand\lsb{\{\normalfont\ttfamily[\}}
1789 \DeclareRobustCommand\rsb{\{\normalfont\ttfamily]\}}
1790 \DeclareRobustCommand\lrb{\{\normalfont\ttfamily(\}}
1791 \DeclareRobustCommand\rrb{\{\normalfont\ttfamily)\}}
1792
1793 \def\Lcs#1{\nxLcs{#1}}
1794 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1795 \def\nxLcs#1{\texttt{\symbol{92}{#1}}
1796
1797 \def\Coordx#1{$x_{#1}$}
1798 \def\Coordy#1{$y_{#1}$}
1799 \def\Coordz#1{$z_{#1}$}
1800 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1801 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1802 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1803 \def\CAny{\Coordx{\},\kern 1pt\Coordy{\}}
1804 \def\CIIIAny{\Coordx{\},\kern 1pt\Coordy{\},\kern 1pt\Coordz{\}}
1805 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
1806 \def\coordin{(\Coordx{n},\kern 1pt\Coordy{n})}
1807 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
1808 \def\coordx#1{($x_{#1}$)}
1809 \def\coordy#1{($y_{#1}$)}
1810 \def\coordz#1{($z_{#1}$)}
1811 \def\cAny{(\Coordx{\},\kern 1pt\Coordy{\})}

```



```

1812 \def\ciiiiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
1813
1814 \newsavebox{\boxdef}
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
1822   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1823   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1824 }
1825
1826 \newenvironment{BDef*}
1827   {\begin{lrbox}\boxdef
1828     \def\arraystretch{1.0}
1829     \begin{tabular}{@{}l@{}l@{}l@{}}
1830   }
1831   {\end{tabular}\end{lrbox}}
1832   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
1833   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1834 }
1835 \newenvironment{BCmd}{
1836   \@beginparpenalty-\@lowpenalty
1837   \topsep\BDefaboveskip
1838   \fbboxsep3pt
1839   \flushleft}
1840 {\@endparpenalty\@M
1841   \@topsepadd\BDefbelowskip
1842   \endflushleft}
1843
1844 \newenvironment{BCmd*}{
1845   \@beginparpenalty\@M
1846   \topsep\BDefinlineskip
1847   \fbboxsep3pt
1848   \flushleft}
1849 {\@endparpenalty5000
1850   \endflushleft}
1851
1852 \newskip\BDefaboveskip
1853 \newskip\BDefbelowskip
1854 \newskip\BDefinlineskip
1855 \setlength\BDefaboveskip{10pt plus 4pt}
1856 \setlength\BDefbelowskip{6pt}
1857 \setlength\BDefinlineskip{6pt}
1858
1859 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
1860 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
1861 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}

```



```

1862 \def\OptArg@iii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

7.18 bidiftnxtra.sty

```

1863 \NeedsTeXFormat{LaTeX2e}
1864 \ProvidesPackage{bidiftnxtra}
1865 \newtoks\bidip@ftn
1866 \let\FN@sffootnote\footnote
1867 \let\FN@sffootnote\LTRfootnote
1868 \let\FN@sffootnote\RTLfootnote
1869 \def\footnote{\ifx\protect\@typeset@protect
1870   \expandafter\FN@sffootnote
1871   \else
1872     \expandafter\FN@sfgobble@opt
1873   \fi
1874 }
1875 \def\LTRfootnote{\ifx\protect\@typeset@protect
1876   \expandafter\FN@sffootnote
1877   \else
1878     \expandafter\FN@sfgobble@opt
1879   \fi
1880 }
1881 \def\RTLfootnote{\ifx\protect\@typeset@protect
1882   \expandafter\FN@sffootnote
1883   \else
1884     \expandafter\FN@sfgobble@opt
1885   \fi
1886 }
1887 \edef\FN@sfgobble@opt{\noexpand\protect
1888   \expandafter\noexpand\csname FN@sfgobble@opt \endcsname}
1889 \expandafter\def\csname FN@sfgobble@opt \endcsname{%
1890   \@ifnextchar[%]
1891     \FN@sfgobble@twobracket
1892     \@gobble
1893 }
1894 \def\FN@sfgobble@twobracket[#1]#2{}
1895 \let\FN@sffootnotemark\footnotemark
1896 \def\footnotemark{\ifx\protect\@typeset@protect
1897   \expandafter\FN@sffootnotemark
1898   \else
1899     \expandafter\FN@sfgobble@optonly
1900   \fi
1901 }
1902 \edef\FN@sfgobble@optonly{\noexpand\protect
1903   \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
1904 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
1905   \@ifnextchar[%]
1906     \FN@sfgobble@bracket
1907     {}%
1908 }

```



```

1909 \def\FN@sfgobble@bracket[#1]{%
1910 \def\@tabular{\if@RTL\global\@RTLtabtrue\fi
1911 \leavevmode \hbox \bgroup
1912 \let\@footnotetext\@bidi@p@ftntext
1913 \let\@LTRfootnotetext\@bidi@p@LTRftntext
1914 \let\@RTLfootnotetext\@bidi@p@RTLftntext
1915 \let\@xfootnotenext\@bidi@p@xftntext
1916 \let\@xfootnote\@bidi@p@xfootnote
1917 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
1918 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
1919 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
1920 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
1921 \if@RTLtab\beginR \fi
1922 $\let\@acol\@tabacol
1923 \let\@classz\@tabclassz
1924 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
1925 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
1926 \egroup $\if@RTLtab\endR\fi\egroup
1927 \ifx\@capytype\@undefined
1928 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi%
1929 \global\@RTLtabfalse}
1930 \long\def\@bidi@p@ftntext#1{%
1931 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
1932 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
1933 \long\def\@bidi@p@LTRftntext#1{%
1934 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
1935 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
1936 \long\def\@bidi@p@RTLftntext#1{%
1937 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
1938 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
1939
1940
1941 \long\def\@bidi@p@xftntext[#1]#2{%
1942 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
1943
1944 \long\def\@bidi@p@xLTRftntext[#1]#2{%
1945 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
1946
1947 \long\def\@bidi@p@xRTLftntext[#1]#2{%
1948 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
1949
1950
1951 \def\@bidi@p@xfootnote[#1]{%
1952 \begingroup
1953 \csname c@\@mpfn\endcsname #1\relax
1954 \unrestored@protected@xdef\@thefnmark{\thempfn}%
1955 \endgroup
1956 \@footnotemark\@bidi@p@xftntext[#1]}
1957
1958

```



```

1959 \def\ bidi@p@xLTRfootnote[#1]{%
1960   \begingroup
1961     \csname c@\mpfn\endcsname #1\relax
1962     \unrestored@protected@xdef\@thefnmark{\thempfn}%
1963   \endgroup
1964   \@footnotemark\ bidi@p@xLTRftntext[#1]}
1965
1966
1967 \def\ bidi@p@xRTLfootnote[#1]{%
1968   \begingroup
1969     \csname c@\mpfn\endcsname #1\relax
1970     \unrestored@protected@xdef\@thefnmark{\thempfn}%
1971   \endgroup
1972   \@footnotemark\ bidi@p@xRTLftntext[#1]}
1973
1974 \def\@xfloat #1[#2]{%
1975   \@nodocument
1976   \def \@capttype {#1}%
1977   \def \@fps {#2}%
1978   \@onelevel@sanitize \@fps
1979   \def \reserved@b {!}%
1980   \ifx \reserved@b \@fps
1981     \@fpsadddefault
1982   \else
1983     \ifx \@fps \@empty
1984       \@fpsadddefault
1985     \fi
1986   \fi
1987   \ifhmode
1988     \@bsphack
1989     \@floatpenalty -\@Mii
1990   \else
1991     \@floatpenalty-\@Miii
1992   \fi
1993   \ifinner
1994     \@parmoderr\@floatpenalty\z@
1995   \else
1996     \@next\@currbox\@freelist
1997     {%
1998       \@tempcnta \sixt@@n
1999       \expandafter \@tfor \expandafter \reserved@a
2000       \expandafter :\expandafter =\@fps
2001       \do
2002       {%
2003         \if \reserved@a h%
2004           \ifodd \@tempcnta
2005             \else
2006               \advance \@tempcnta \@ne
2007             \fi
2008           \fi

```



```

2009         \if \reserved@a t%
2010             \setfpsbit \tw@
2011         \fi
2012         \if \reserved@a b%
2013             \setfpsbit 4%
2014         \fi
2015         \if \reserved@a p%
2016             \setfpsbit 8%
2017         \fi
2018         \if \reserved@a !%
2019             \ifnum \@tempcnta>15
2020                 \advance\@tempcnta -\sixt@@n\relax
2021             \fi
2022         \fi
2023     }%
2024     \@tempcntb \csname ftype@\@capttype \endcsname
2025     \multiply \@tempcntb \@xxxii
2026     \advance \@tempcnta \@tempcntb
2027     \global \count\@currbox \@tempcnta
2028 }%
2029 \@fltovf
2030 \fi
2031 \global \setbox\@currbox
2032     \color@vbox
2033     \normalcolor
2034     \vbox \bgroup
2035     \let\@footnotetext\@bidi@p@ftntext
2036     \let\@LTRfootnotetext\@bidi@p@LTRftntext
2037     \let\@RTLfootnotetext\@bidi@p@RTLftntext
2038     \let\@xfootnotenext\@bidi@p@xftntext
2039     \let\@xfootnote\@bidi@p@xfootnote
2040     \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2041     \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2042     \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2043     \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2044     \hsize\columnwidth
2045     \@parboxrestore
2046     \@floatboxreset
2047 }
2048 \def \@endfloatbox{%
2049     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2050     \@minipagefalse
2051     \outer@nobreak
2052     \egroup                %% end of vbox
2053     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2054     \color@endbox
2055 }

```

7.19 bidi-longtable.sty



```

2056 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
2057 \def\longtable{\if@RTL\@RTLtabtrue\fi%
2058   \par
2059   \ifx\multicols\@undefined
2060   \else
2061     \ifnum\col@number>\@ne
2062     \@twocolumntrue
2063     \fi
2064   \fi
2065   \if@twocolumn
2066     \LT@err{longtable not in 1-column mode}\@ehc
2067   \fi
2068   \begingroup
2069   \@ifnextchar[\LT@array{\LT@array[x]}%
2070 \def\endlongtable{%
2071   \crr
2072   \noalign{%
2073     \let\LT@entry\LT@entry@chop
2074     \xdef\LT@save@row{\LT@save@row}}%
2075   \LT@echunk
2076   \LT@start
2077   \unvbox\z@
2078   \LT@get@widths
2079   \if@files
2080     {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2081       \gdef\expandafter\@noexpand
2082       \csname LT@romannumeral\c@LT@tables\endcsname
2083       {\LT@save@row}}}%
2084   \fi
2085   \ifx\LT@save@row\LT@save@row
2086   \else
2087     \LT@warn{Column \@width s have changed\MessageBreak
2088       in table \thetable}%
2089     \LT@final@warn
2090   \fi
2091   \endgraf\penalty -\LT@end@pen
2092   \endgroup
2093   \global\@mparbottom\z@
2094   \pagegoal\vsiz
2095   \endgraf\penalty\z@\addvspace\LTpost
2096   \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2097 \def\LT@output{%
2098   \ifnum\outputpenalty <-\@Mi
2099     \ifnum\outputpenalty > -\LT@end@pen
2100       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2101     \else
2102       \setbox\z@\vbox{\unvbox\@cclv}%
2103       \ifdim \ht\LT@lastfoot>\ht\LT@foot
2104         \dimen@pagegoal
2105         \advance\dimen@-\ht\LT@lastfoot

```



```

2106         \ifdim\dimen@<\ht\z@
2107             \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2108             \@makecol
2109             \@outputpage
2110             \setbox\z@\vbox{\box\LT@head}%
2111         \fi
2112     \fi
2113     \global\@colroom\@colht
2114     \global\vsizel\@colht
2115     \vbox
2116     {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastf
2117     \fi
2118     \else
2119     \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RTLta
2120     \@makecol
2121     \@outputpage
2122     \global\vsizel\@colroom
2123     \copy\LT@head\nobreak
2124     \fi}

```

7.20 bidimoderncv.cls

```

2125 \NeedsTeXFormat{LaTeX2e}
2126 \ProvidesClass{bidimoderncv}
2127 \newif\if@DEBUG\@DEBUGfalse
2128 \DeclareOption{a4paper}{
2129     \setlength\paperheight{297mm}
2130     \setlength\paperwidth{210mm}}
2131 \DeclareOption{a5paper}{
2132     \setlength\paperheight{210mm}
2133     \setlength\paperwidth{148mm}}
2134 \DeclareOption{b5paper}{
2135     \setlength\paperheight{250mm}
2136     \setlength\paperwidth{176mm}}
2137 \DeclareOption{letterpaper}{
2138     \setlength\paperheight{11in}
2139     \setlength\paperwidth{8.5in}}
2140 \DeclareOption{legalpaper}{
2141     \setlength\paperheight{14in}
2142     \setlength\paperwidth{8.5in}}
2143 \DeclareOption{executivepaper}{
2144     \setlength\paperheight{10.5in}
2145     \setlength\paperwidth{7.25in}}
2146 \DeclareOption{landscape}{
2147     \setlength\@tempdima{\paperheight}
2148     \setlength\paperheight{\paperwidth}
2149     \setlength\paperwidth{\@tempdima}}
2150 \newcommand\@ptsize{}
2151 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2152 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}

```




```

2153 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2154 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2155 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2156 \newif\if@colour\@colourtrue
2157 \DeclareOption{nocolour}{\@colourfalse}
2158 \ExecuteOptions{a4paper,11pt,colour,final}
2159 \ProcessOptions\relax
2160 \input{size1\@ptsize.clo}
2161 \RequirePackage{color}
2162 \RequirePackage{graphicx}
2163 \RequirePackage{ifthen}
2164 \RequirePackage{marvosym}
2165 \addtolength{\oddsidemargin}{-54pt}
2166 \addtolength{\textwidth}{109pt}
2167 \addtolength{\topmargin}{-70pt}
2168 \addtolength{\textheight}{122pt}
2169 \addtolength{\marginparsep}{-5pt}
2170 \addtolength{\marginparwidth}{-10pt}
2171 \RequirePackage{url}
2172 \RequirePackage{hyperref}
2173 \hypersetup{%
2174   breaklinks,
2175   baseurl      = http://,%
2176   pdfborder    = 0 0 0,%
2177   pdfpagemode  = UseNone,%
2178   pdfstartpage = 1}
2179 \AtEndOfClass{%
2180   \AtBeginDocument{%
2181     \hypersetup{%
2182       pdfauthor      = \@firstname-\@familyname,%
2183       pdftitle       = \@title,%
2184       pdfsubject     = \@firstname-\@familyname,%
2185       pdfkeywords    = \@resumename-\@firstname-\@familyname}}}
2186 \urlstyle{tt}
2187 \RequirePackage{fancyhdr}
2188 \fancypagestyle{plain}{%
2189   \renewcommand{\headrulewidth}{0pt}
2190   \renewcommand{\footrulewidth}{0pt}
2191   \fancyhf{}}
2192 \pagestyle{plain}
2193 \setlength\lineskip{1\p@}
2194 \setlength\normallineskip{1\p@}
2195 \renewcommand\baselinestretch{}
2196 \setlength{\parindent}{0pt}
2197 \setlength{\parskip}{0pt}
2198 \setlength\columnsep{10\p@}
2199 \setlength\columnseprule{0\p@}
2200 \pagestyle{empty}
2201 \pagenumbering{arabic}
2202 \raggedbottom

```



```

2203 \onecolumn
2204 \providecommand*\listitemsymbol{\textbullet}
2205 \providecommand*\addresssymbol{}
2206 \providecommand*\mobilesymbol{\Mobilefone}
2207 \providecommand*\phonesymbol{\Telefon}
2208 \providecommand*\faxsymbol{\FAX}
2209 \providecommand*\emailsymbol{\Letter}
2210 \definecolor{firstnamecolour}{rgb}{0,0,0}
2211 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2212 \def\familynamcolour#1{\gdef\@familynamcolour{\addfontfeature{Color=#1}}}
2213 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2214 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2215 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2216 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2217 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2218 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2219 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2220 \providecommand*\firstnamefont{}
2221 \providecommand*\familynamefont{}
2222 \providecommand*\titlefont{}
2223 \providecommand*\addressfont{}
2224 \providecommand*\quotefont{}
2225 \providecommand*\sectionfont{}
2226 \providecommand*\subsectionfont{}
2227 \providecommand*\hintfont{\small}
2228 \providecommand*\firstnamestyle[1]{\{\@firstnamefont\@firstnamecolour#1\}}
2229 \providecommand*\familynamestyle[1]{\{\@familynamefont\@familynamcolour#1\}}
2230 \providecommand*\titlestyle[1]{\{\@titlefont\@titlecolour#1\}}
2231 \providecommand*\addresstyle[1]{\{\@addressfont\@addresscolour#1\}}
2232 \providecommand*\quotestyle[1]{\{\@quotefont\@quotecolour#1\}}
2233 \providecommand*\sectionstyle[1]{\{\@sectionfont\@sectiontitlecolour#1\}}
2234 \providecommand*\subsectionstyle[1]{\{\@subsectionfont\@subsectioncolour#1\}}
2235 \providecommand*\hintstyle[1]{\{\@hintfont\@hintcolour#1\}}
2236 \newcommand*\cvtheme[2][{}]{
2237   \def\@cvtheme#2
2238   \def\@cvthemeoptions#1
2239   \cvtheme{bidi-casual}
2240   \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2241   \newcommand*\resumename[1]{\def\@resumename#1}
2242   \newcommand*\firstname[1]{\def\@firstname#1}
2243   \newcommand*\familyname[1]{\def\@familyname#1}
2244   \renewcommand*\title[1]{\def\@title#1}
2245   \newcommand*\address[1]{\def\@address#1}
2246   \newcommand*\mobile[1]{\def\@mobile#1}
2247   \newcommand*\phone[1]{\def\@phone#1}
2248   \renewcommand*\fax[1]{\def\@fax#1}
2249   \newcommand*\email[1]{\def\@email#1}
2250   \newcommand*\extrainfo[1]{\def\@extrainfo#1}
2251   \def\@photowidth{0pt}
2252   \newcommand*\photo[2][64pt]{\def\@photowidth#1\def\@photo#2}

```



```

2253 \newcommand*{\quote}[1]{\def\@quote{#1}}
2254 \newlength{\quotewidth}
2255 \newlength{\hintscolumnwidth}
2256 \newlength{\separatorcolumnwidth}
2257 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2258 \newlength{\maincolumnwidth}
2259 \newlength{\doubleitemmaincolumnwidth}
2260 \newlength{\listitemsymbolwidth}
2261 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2262 \newlength{\listitemmaincolumnwidth}
2263 \newlength{\listdoubleitemmaincolumnwidth}
2264 \newcommand*{\recomputethemelengths}{}
2265 \newcommand*{\recomputelengths}{%
2266 \setlength{\quotewidth}{0.65\textwidth}%
2267 \setlength{\maincolumnwidth}{\textwidth}%
2268 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2269 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2270 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2271 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2272 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2273 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2274 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2275 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2276 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2277 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2278 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2279 \renewcommand{\headwidth}{\textwidth}%
2280 \recomputethemelengths}
2281 \setlength{\hintscolumnwidth}{0.15\textwidth}
2282 \recomputelengths
2283 \title{}
2284 \renewcommand*{\maketitle}{}
2285 \newcommand*{\section}[1]{%
2286 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2287 \phantomsection}%
2288 \addcontentsline{toc}{part}{#1}%
2289 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}
2290 \hspace{\separatorcolumnwidth}%
2291 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]}
2292 \newcommand*{\subsection}[1]{%
2293 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2294 \newcommand*{\cvline}[3][.25em]{%
2295 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}
2296 \bidi@raggedleft\hintfont{#2} \&{#3}%
2297 \end{tabular}}\[\[1]}
2298 \newcommand*{\cvdoubleitem}[4]{%
2299 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2300 \hfill%
2301 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\se
2302 \newcommand*{\cvlistitem}[2][\listitemsymbol]{}%

```



```

2303 \cvline[0pt]{\#1~\begin{minipage}[t]{\listitemmaincolumnwidth}\#2\end{minipage}}
2304 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{\%
2305 \cvline[0pt]{\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}\#2\end{minipage}}%
2306 \hfill%
2307 \ifthenelse{\equal{\#3}{}}{
2308 }{
2309 \#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}\#3\end{minipage}}
2310 \newcommand*{\cventry}[6]{\%
2311 \cvline{\#1}{\%
2312 {\bfseries\#2}%
2313 \ifx\#3\else{, {\slshape\#3}}\fi%
2314 \ifx\#4\else{, \#4}\fi%
2315 \ifx\#5\else{, \#5}\fi%
2316 .%
2317 \ifx\#6\else{\newline}\begin{minipage}[t]{\linewidth}\small\#6\end{minipage}}\fi
2318 }
2319 \newcommand*{\cvlanguage}[3]{\%
2320 \cvline{\#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{\#2}\end{minipage}}\hfill\begin{m
2321 \newcommand*{\cvcomputer}[4]{\%
2322 \cdoubleitem{\#1}{\small\#2}{\#3}{\small\#4}}
2323 \newcommand*{\link}[2][\%
2324 \ifthenelse{\equal{\#1}{}}{
2325 {\href{\#2}{\#2}}
2326 {\href{\#2}{\#1}}}
2327 \newcommand*{\httplink}[2][\%
2328 \ifthenelse{\equal{\#1}{}}{
2329 {\href{http://\#2}{\#2}}
2330 {\href{http://\#2}{\#1}}}
2331 \newcommand*{\emailink}[2][\%
2332 \ifthenelse{\equal{\#1}{}}{
2333 {\href{mailto:\#2}{\#2}}
2334 {\href{mailto:\#2}{\#1}}}
2335 \newif\if@displaypagenumbers\@displaypagenumberstrue
2336 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2337 \AtBeginDocument{\%
2338 \if@displaypagenumbers%
2339 \@ifundefined{r@lastpage}{\%
2340 \ifthenelse{\pageref{lastpage} > 1}{\%
2341 \fancypagestyle{plain}{\%
2342 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref
2343 \pagestyle{plain}}}{\%
2344 \AtEndDocument{\label{lastpage}}%
2345 \fi}
2346 \newlength{\bibindent}
2347 \setlength{\bibindent}{1.5em}
2348 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2349 \newenvironment{thebibliography}[1]{\%
2350 {\%
2351 \section{\refname}%
2352 \small%

```



```

2353 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
2354 \begin{list}{\bibliographyitemlabel}%
2355     {%
2356         \setlength{\topsep}{0pt}%
2357         \setlength{\labelwidth}{\hintscolumnwidth}%
2358         \setlength{\labelsep}{\separatorcolumnwidth}%
2359         \leftmargin\labelwidth%
2360         \advance\leftmargin\labelsep%
2361         \@openbib@code%
2362         \usecounter{enumiv}%
2363         \let\p@enumiv\@empty%
2364         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2365         \sloppy\clubpenalty4000\widowpenalty4000%
2366     }%
2367     {%
2368         \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2369         \end{list}%
2370     }
2371 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2372 \let\@openbib@code\@empty

```

7.21 biditools.sty

```

2373 \NeedsTeXFormat{LaTeX2e}
2374 \ProvidesPackage{biditools}[2015/06/29 v0.5 Programming tools for bidi package]
2375 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
2376     \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2377     \ifx\@tempa\@tempb \global\let#2#1%
2378     \else
2379         \edef\@tempb{\meaning#2}%
2380         \ifx\@tempa\@tempb
2381             \else
2382                 \@latex@error{Unable to properly define \string#2; primitive
2383                 \noexpand#1no longer primitive}\@eha
2384             \fi
2385         \fi
2386     \endgroup}
2387 \def\@tagsextension{clo}
2388 \def\@definitionfileextension{def}
2389 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2390 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2391 \def\eqnewif#1#2{%
2392     \count@\escapechar \escapechar\m@ne
2393     \let#1\iffalse
2394     \let#2\iffalse
2395     \eq@if#1#2\iftrue
2396     \eq@if#1#2\iffalse
2397     \escapechar\count@}
2398 \def\eq@if#1#2#3{%
2399     \expandafter\def\c@name\expandafter\@gobbletwo\string#1%

```



```

2400             \expandafter\@gobbletwo\string#3\endcsname
2401             {\let#1#3%
2402             \let#2#3}%
2403 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2404             \expandafter\@gobbletwo\string#3\endcsname
2405             {\let#2#3%
2406             \let#1#3}}
2407 \def\@bidi@removefromreset#1#2{%
2408 \expandafter\let\csname c@#1\endcsname\@removefromreset
2409 \def\@elt##1{%
2410 \expandafter\ifx\csname c@##1\endcsname\@removefromreset
2411 \else
2412 \noexpand\@elt{##1}%
2413 \fi}%
2414 \expandafter\xdef\csname cl@#2\endcsname{%
2415 \csname cl@#2\endcsname}}
2416 \newcommand*{\if@bidi@csdef}[1]{%
2417 \ifcsname#1\endcsname
2418 \expandafter\@firstoftwo
2419 \else
2420 \expandafter\@secondoftwo
2421 \fi}
2422 \newcommand*{\if@bidi@csundef}[1]{%
2423 \ifcsname#1\endcsname
2424 \expandafter\ifx\csname#1\endcsname\relax
2425 \expandafter\expandafter
2426 \expandafter\@firstoftwo
2427 \else
2428 \expandafter\expandafter
2429 \expandafter\@secondoftwo
2430 \fi
2431 \else
2432 \expandafter\@firstoftwo
2433 \fi}
2434 \newcommand{\if@bidi@def}[1]{%
2435 \ifdefined#1%
2436 \expandafter\@firstoftwo
2437 \else
2438 \expandafter\@secondoftwo
2439 \fi}
2440 \newcommand{\if@bidi@undef}[1]{%
2441 \ifdefined#1%
2442 \ifx#1\relax
2443 \expandafter\expandafter
2444 \expandafter\@firstoftwo
2445 \else
2446 \expandafter\expandafter
2447 \expandafter\@secondoftwo
2448 \fi
2449 \else

```



```

2450 \expandafter\@firstoftwo
2451 \fi}
2452 \newcommand{\if@bidi@blank}[1]{% from url.sty
2453 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2454 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2455 \newcommand{\bidi@notblank}[1]{%
2456 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2457 \newcommand{\if@bidi@defmacro}{%
2458 \long\edef\if@bidi@defmacro#1{%
2459 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2460 \noexpand\meaning#1\detokenize{macro}:&}
2461 \edef\bidi@ifdefmacro{%
2462 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2463 \bidi@ifdefmacro{\bidi@notblank{#2}}
2464 \newcommand*\{\if@bidi@csmacro}[1]{%
2465 \if@bidi@csdef{#1}
2466 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2467 {\@secondoftwo}}
2468 \newcommand{\if@bidi@defprimitive}[1]{%
2469 \ifprimitive#1%
2470 \expandafter\@firstoftwo
2471 \else
2472 \expandafter\@secondoftwo
2473 \fi}
2474 \newcommand{\if@bidi@csprimitive}[1]{%
2475 \begingroup\expandafter\expandafter\endgroup%
2476 \expandafter\ifprimitive\csname#1\endcsname%
2477 \expandafter\@firstoftwo
2478 \else
2479 \expandafter\@secondoftwo
2480 \fi}
2481 \newcommand*\{\bidi@csdefcs}[2]{%
2482 \expandafter\@ifdefinable \csname#1\endcsname{%
2483 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}}%
2484 \newcommand*\{\bidi@csletcs}[2]{%
2485 \expandafter\@ifdefinable \csname#1\endcsname{%
2486 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}%
2487 \newcommand*\{\bidi@cslet}[2]{%
2488 \expandafter\@ifdefinable \csname#1\endcsname{%
2489 \expandafter\let\csname#1\endcsname#2}}
2490 \newcommand{\bidi@namelongdef}[1]{%
2491 \long\expandafter\def\csname #1\endcsname}
2492 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2493 \def\bidi@ensure@new@command#1{%
2494 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2495 \expandafter\if@bidi@csundef\@gtempa
2496 {\new@command#1}{\relax%
2497 \let\@ifdefinable\@rc@ifdefinable%
2498 \new@command#1}}
2499 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}

```



```

2500
2501 \protected\def\biderror{\PackageError{bidi}}
2502 \protected\def\bidwarning{\PackageWarning{bidi}}
2503 \protected\def\bidinfo{\PackageInfo{bidi}}
2504
2505 \newcommand*{\bidi@newrobustcmd}{}
2506 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2507
2508 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2509
2510 \def\bidi@newcommand#1[#2]{%
2511   \@ifnextchar[%]
2512     {\bidi@xargdef#1[#2]}
2513     {\ifx\l@ngrel@x\relax
2514       \let\l@ngrel@x\protected
2515       \else
2516         \protected\def\l@ngrel@x{\protected\long}%
2517       \fi
2518       \@argdef#1[#2]}}
2519
2520 \long\def\bidi@xargdef#1[#2][#3]#4{%
2521   \@ifdefinable#1{%
2522     \expandafter\protected
2523     \expandafter\def
2524     \expandafter#1%
2525     \expandafter{%
2526       \expandafter\@testopt
2527       \csname\string#1\endcsname{#3}}%
2528     \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}
2529
2530 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2531
2532 \def\bidi@renew@command#1{%
2533   \if@bidi@undef{#1}
2534     {\biderror{\string#1 undefined}\@ehc}
2535     {}%
2536   \let\@ifdefinable\@rc@ifdefinable
2537   \bidi@new@command#1}
2538
2539
2540
2541 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2542
2543 \def\bidi@provide@command#1{%
2544   \if@bidi@undef{#1}
2545     {\def\reserved@a{\bidi@new@command#1}}
2546     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2547   \reserved@a}
2548
2549 \newcommand*{\bidi@csuse}[1]{%

```




```

2550 \ifcsname#1\endcsname
2551 \csname#1\expandafter\endcsname
2552 \fi}
2553
2554 \newcommand{\bidi@expandonce}[1]{%
2555 \unexpanded\expandafter{#1}}
2556
2557 \def\bidi@protected{%
2558 \let\@protect\protect
2559 \let\protect\@unexpandable@protect
2560 \afterassignment\restore@protect}
2561
2562 \bidi@newrobustcmd{\bidi@appto}[2]{%
2563 \if@bidi@undef{#1}
2564 {\edef#1{\unexpanded{#2}}}
2565 {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2566 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2567 \if@bidi@undef{#1}
2568 {\edef#1{#2}}
2569 {\edef#1{\bidi@expandonce#1#2}}}
2570 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2571 \if@bidi@undef{#1}
2572 {\xdef#1{\unexpanded{#2}}}
2573 {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2574 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2575 \if@bidi@undef{#1}
2576 {\xdef#1{#2}}
2577 {\xdef#1{\bidi@expandonce#1#2}}}
2578
2579 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2580 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2581
2582
2583
2584 \bidi@newrobustcmd{\bidi@preto}[2]{%
2585 \if@bidi@undef{#1}
2586 {\edef#1{\unexpanded{#2}}}
2587 {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2588 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2589 \if@bidi@undef{#1}
2590 {\edef#1{#2}}
2591 {\edef#1{#2\bidi@expandonce#1}}}
2592 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2593 \if@bidi@undef{#1}
2594 {\xdef#1{\unexpanded{#2}}}
2595 {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2596 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2597 \if@bidi@undef{#1}
2598 {\xdef#1{#2}}
2599 {\xdef#1{#2\bidi@expandonce#1}}}

```



```

2600
2601 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2602 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2603
2604
2605
2606 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2607 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2608 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2609 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2610 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2611 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2612
2613
2614
2615 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2616 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2617 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2618 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2619 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2620 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2621
2622
2623
2624 \bidi@newrobustcmd{\if@bidi@patchable}{%
2625   \bidi@dbg@trce\if@bidi@patchable
2626   \begingroup
2627   \@makeother\#%
2628   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2629
2630 \long\def\bidi@ifpatchable#1#2{%
2631   \endgroup
2632   \bidi@dbg@init#1%
2633   \if@bidi@undef{#1}
2634     {\bidi@dbg@fail{def}}\@secondoftwo}
2635   {\bidi@dbg@info{def}}%
2636     \if@bidi@defmacro{#1}
2637       {\bidi@dbg@info{mac}}%
2638       \bidi@ifscanable{#1}
2639         {\bidi@ifhashcheck{#2}
2640           {\bidi@dbg@info{tok}}%
2641           \bidi@ifpattern#1{#2}
2642             {\bidi@dbg@info{pat}}%
2643             \bidi@dbg@info{pos}\@firstoftwo}
2644           {\bidi@dbg@fail{pat}}\@secondoftwo}}
2645         {\bidi@dbg@fail{hsh}}\@secondoftwo}}
2646       {\bidi@dbg@fail{tok}}\@secondoftwo}}
2647     {\bidi@dbg@fail{mac}}\@secondoftwo}}}
2648
2649 \long\def\bidi@ifpatchable@i#1{%

```



```

2650 \endgroup
2651 \bidi@dbg@init#1%
2652 \if@bidi@undef{#1}
2653   {\bidi@dbg@fail{def}\@secondoftwo}
2654   {\bidi@dbg@info{def}%
2655     \if@bidi@defmacro{#1}
2656     {\bidi@dbg@info{mac}%
2657       \if@bidi@defparam{#1}
2658       {\bidi@dbg@info{prm}%
2659         \bidi@ifscanable{#1}
2660         {\bidi@dbg@info{tok}%
2661           \bidi@dbg@info{pos}\@firstoftwo}
2662         {\bidi@dbg@fail{tok}\@secondoftwo}}
2663       {\bidi@dbg@info{prl}%
2664         \if@bidi@defprotected{#1}
2665         {\bidi@dbg@info{pro}}
2666         {}%
2667       \bidi@dbg@info{pos}\@firstoftwo}}
2668     {\bidi@dbg@fail{mac}\@secondoftwo}}}
2669
2670 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2671   \bidi@dbg@trce\bidi@patchcmd
2672   \begingroup
2673   \@makeother\#%
2674   \bidi@@patchcmd}
2675
2676 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2677   \bidi@ifpatchable#2{#3}
2678   {\bidi@dbg@succ{ret}%
2679     \begingroup
2680     \edef\bidi@resrvda{%
2681       \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2682         #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2683       \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2684         ####1\detokenize{#4}####2}%
2685       \edef\noexpand\bidi@resrvda{%
2686         \noexpand\bidi@resrvda\meaning#2&}}%
2687     \bidi@resrvda
2688     \bidi@patchcmd@scantoks\bidi@resrvda
2689     \let#2\bidi@resrvda
2690     \bidi@undef\bidi@resrvda
2691     \@firstoftwo}
2692   {\@secondoftwo}}
2693
2694 \def\bidi@patchcmd@scantoks#1{%
2695   \edef\bidi@resrvda{\endgroup
2696     \unexpanded{\makeatletter\scantokens}{#1}%
2697     \catcode\number`\@=\the\catcode`\@\\relax}%
2698   \bidi@resrvda}
2699

```



```

2700 \newcommand\bid@isloaded[2][]{
2701   \expandafter\ifx\csname if@bid@#2loaded@endcsname\relax
2702     \expandafter\newif\csname if@bid@#2loaded@endcsname
2703   \fi
2704   \@ifpackageloaded{#2}
2705     {\csname @bid@#2loaded@true\endcsname #1}
2706     {\csname @bid@#2loaded@false\endcsname}}
2707
2708 \protected\def\bid@ifscanable#1{%
2709   \begingroup
2710   \edef\bid@resrvda{%
2711     \def\noexpand\bid@resrvda####1\detokenize{macro}:####2->####3&{%
2712       ####1\def\string\bid@resrvda####2{####3}}}%
2713   \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda\meaning#1&}}%
2714   \bid@resrvda
2715   \makeatletter
2716   \scantokens\expandafter{\bid@resrvda}%
2717   \expandafter\endgroup\ifx#1\bid@resrvda
2718     \expandafter\@firstoftwo
2719   \else
2720     \expandafter\@secondoftwo
2721   \fi}
2722
2723
2724 \protected\long\def\bid@ifhashcheck#1{%
2725   \begingroup
2726   \edef\bid@resrvda{\detokenize{#1}}%
2727   \expandafter\endgroup
2728   \expandafter\bid@ifhashcheck@i\meaning\bid@resrvda&}
2729
2730 \edef\bid@ifhashcheck@i#1&{%
2731   \noexpand\expandafter
2732   \noexpand\bid@ifhashcheck@ii
2733   \noexpand\strip@prefix#1\string#\string#&}
2734
2735 \edef\bid@ifhashcheck@ii{%
2736   \def\noexpand\bid@ifhashcheck@ii##1\string#\string###2&{
2737     \bid@ifhashcheck@ii{\if@bid@blank{#2}}
2738   }
2739
2740 \protected\long\def\bid@ifpattern#1#2{%
2741   \begingroup
2742   \edef\bid@resrvda{%
2743     \def\noexpand\bid@resrvda####1\detokenize{#2}####2&{%
2744       \endgroup\noexpand\noexpand\noexpand\if@bid@blank{####2}}}%
2745   \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda
2746     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
2747   \noexpand\bid@resrvda}
2748   \bid@resrvda\@secondoftwo\@firstoftwo}
2749

```



```

2750
2751 \newcommand{\if@bidi@defparam}{%
2752 \long\edef\if@bidi@defparam#1{%
2753 \noexpand\expandafter\noexpand\bidi@ifdefparam
2754 \noexpand\meaning#1\detokenize{macro}:->&}
2755 \edef\bidi@ifdefparam{%
2756 \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
2757 \bidi@ifdefparam{\bidi@notblank{#2}}
2758
2759
2760 \newcommand{\if@bidi@defprotected}{%
2761 \long\edef\if@bidi@defprotected#1{%
2762 \noexpand\expandafter\noexpand\bidi@ifdefprotected
2763 \noexpand\meaning#1\string\protected&}
2764 \edef\bidi@ifdefprotected{%
2765 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
2766 \bidi@ifdefprotected{\bidi@notblank{#2}}
2767
2768
2769 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
2770
2771 \let\bidi@dbg@trce\@gobble
2772 \let\bidi@dbg@init\@gobble
2773 \let\bidi@dbg@info\@gobble
2774 \let\bidi@dbg@succ\@gobble
2775 \let\bidi@dbg@fail\@gobble
2776
2777
2778
2779 \bidi@newrobustcmd*{\bidi@apptocmd}{%
2780 \bidi@dbg@trce\bidi@apptocmd
2781 \begingroup
2782 \@makeother\#%
2783 \bidi@hooktocmd\bidi@append}
2784
2785
2786
2787 \bidi@newrobustcmd*{\bidi@pretocmd}{%
2788 \bidi@dbg@trce\bidi@pretocmd
2789 \begingroup
2790 \@makeother\#%
2791 \bidi@hooktocmd\bidi@prepend}
2792
2793 \long\def\bidi@hooktocmd#1#2#3{%
2794 \endgroup
2795 \bidi@dbg@init#2%
2796 \if@bidi@undef{#2}
2797 {\bidi@dbg@fail{def}\@secondoftwo}
2798 {\bidi@dbg@info{def}%
2799 \if@bidi@defmacro{#2}

```



```

2800     {\bidi@dbg@info{mac}%
2801     \if@bidi@defparam{#2}
2802         {\bidi@dbg@info{prm}%
2803         \bidi@ifscanable{#2}
2804             {\bidi@ifhashcheck{#3}
2805                 {\bidi@dbg@info{tok}%
2806                 \bidi@dbg@succ{ret}%
2807                 \bidi@hooktocmd@i#1#2{#3}%
2808                 \@firstoftwo}
2809                 {\bidi@dbg@fail{hsh}\@secondoftwo}}
2810             {\bidi@dbg@fail{tok}\@secondoftwo}}
2811     {\bidi@dbg@info{prl}%
2812     \if@bidi@defprotected{#2}
2813         {\bidi@dbg@info{pro}%
2814         \bidi@dbg@succ{red}%
2815         \protected}
2816         {\bidi@dbg@succ{red}}}%
2817     \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
2818     \@firstoftwo}}
2819     {\bidi@dbg@fail{mac}\@secondoftwo}}}}
2820
2821 \long\def\bidi@hooktocmd@i#1#2#3{%
2822     \begingroup
2823     \edef\bidi@resrvda{%
2824         \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2825             ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
2826     \edef\noexpand\bidi@resrvda{%
2827         \noexpand\bidi@resrvda\meaning#2&}}%
2828     \bidi@resrvda
2829     \bidi@patchcmd@scantoks\bidi@resrvda
2830     \let#2\bidi@resrvda
2831     \bidi@undef\bidi@resrvda}
2832
2833 \long\def\bidi@append#1#2{#1#2}
2834 \long\def\bidi@prepend#1#2{#2#1}
2835
2836 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
2837 \newcommand*{\bidi@endpreamblehook}{}
2838
2839 \bidi@preto\document{%
2840     \endgroup
2841     \let\bidi@AtEndPreamble\@firstofone
2842     \bidi@endpreamblehook
2843     \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
2844     \bidi@undef\bidi@endpreamblehook
2845     \begingroup}
2846
2847 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
2848 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
2849

```



```

2850 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
2851 \newcommand*{\bidi@afterendpreamblehook}{%
2852
2853 \bidi@appto\document{%
2854   \let\bidi@AfterEndPreamble\@firstofone
2855   \bidi@afterendpreamblehook
2856   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
2857   \bidi@undef\bidi@afterendpreamblehook
2858   \ignorespaces}
2859
2860 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
2861
2862 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterendddocumenthook}
2863 \newcommand*{\bidi@afterendddocumenthook}{%
2864
2865 \bidi@patchcmd\enddocument
2866   {\deadcycles}
2867   {\let\bidi@AfterEndDocument\@firstofone
2868     \bidi@afterendddocumenthook
2869     \deadcycles}
2870   {}
2871   {\let\bidi@@end\@end
2872     \def\@end{%
2873       \let\bidi@AfterEndDocument\@firstofone
2874       \bidi@afterendddocumenthook
2875       \bidi@@end}}
2876
2877 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
2878   \bidi@csgappto{\bidi@begin@#1@hook}}
2879
2880 \bidi@patchcmd\begin
2881   {\csname #1\endcsname}
2882   {\bidi@csuse{\bidi@begin@#1@hook}%
2883     \csname #1\endcsname}
2884   {}
2885   {\bidi@warning{%
2886     Patching '\string\begin' failed!\MessageBreak
2887     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
2888
2889
2890
2891 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
2892   \bidi@csgappto{\bidi@end@#1@hook}}
2893
2894 \bidi@patchcmd\end
2895   {\csname end#1\endcsname}
2896   {\bidi@csuse{\bidi@end@#1@hook}%
2897     \csname end#1\endcsname}
2898   {}
2899   {\bidi@warning{%

```



```

2900     Patching '\string\end' failed!\MessageBreak
2901     '\string\bidi@AtEndEnvironment' will not work\@gobble}}
2902
2903
2904
2905 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
2906   \bidi@csgappto{\bidi@beforebegin@#1@hook}}
2907
2908 \bidi@pretocmd\begin
2909   {\bidi@csuse{\bidi@beforebegin@#1@hook}}
2910   {}
2911   {\bidi@warning{%
2912     Patching '\string\begin' failed!\MessageBreak
2913     '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
2914
2915
2916
2917 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
2918   \bidi@csgappto{\bidi@afterend@#1@hook}}
2919
2920 \bidi@patchcmd\end
2921   {\if@ignore}
2922   {\bidi@csuse{\bidi@afterend@#1@hook}%
2923     \if@ignore}
2924   {}
2925   {\bidi@warning{%
2926     Patching '\string\end' failed!\MessageBreak
2927     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
2928
2929 \CheckCommand{\InputIfFileExists}[2]{%
2930   \IfFileExists{#1}%
2931     {#2\@addtofilelist{#1}\@input \@filef@und}}
2932
2933 \renewcommand{\InputIfFileExists}[2]{%
2934   \begingroup\expandafter\expandafter\expandafter\endgroup
2935   \expandafter\ifx\csname #1-\bidi@alias\endcsname\relax
2936     \expandafter\@secondoftwo
2937   \else
2938     \bidi@replacefile@msg{\csname #1-\bidi@alias\endcsname}{#1}%
2939     \expandafter\@firstoftwo
2940   \fi
2941   {%
2942     \expandafter\InputIfFileExists\expandafter{\csname
2943       #1-\bidi@alias\endcsname}{#2}%
2944   }%
2945   {\IfFileExists{#1}{%
2946     \bidi@load@hook{before}{#1}%
2947     #2\@addtofilelist{#1}%
2948     \@input \@filef@und
2949     \bidi@load@hook{after}{#1}%

```




```

2950    }}%
2951 }
2952
2953 \newcommand*{\bidi@loadwithoptions}{}
2954 \newcommand*{\bidi@loadwithoptions}{}
2955 \let\bidi@loadwithoptions\@loadwithoptions
2956
2957 \renewcommand*{\@loadwithoptions}[3]{%
2958   \begingroup\expandafter\expandafter\expandafter\endgroup
2959   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
2960     \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
2961   \else
2962     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
2963     \def\bidi@loadwithoptions{%
2964       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}}%
2965     }%
2966   \fi
2967   \bidi@loadwithoptions
2968 }
2969
2970 \newcommand*{\bidi@onefilewithoptions}{}
2971 \let\bidi@onefilewithoptions\@onefilewithoptions
2972 \def\@onefilewithoptions#1[#2][#3]#4{%
2973   \begingroup\expandafter\expandafter\expandafter\endgroup
2974   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
2975     \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
2976   \else
2977     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
2978     \edef\bidi@onefilewithoptions{%
2979       \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
2980   \fi
2981   \bidi@onefilewithoptions[#{#2}][#{#3}]{#4}%
2982   \bidi@load@hook{lateafter}{#1.#4}%
2983 }
2984
2985 \newcommand*{\bidi@ReplaceInput}[2]{%
2986   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
2987 }
2988
2989 \newcommand*{\bidi@UnReplaceInput}[1]{%
2990   \ifcsname #1-@bidi@alias\endcsname
2991     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
2992   \fi
2993 }
2994
2995 \newcommand*{\@bidi@replacefilewithext}[3]{%
2996   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
2997 }
2998 \newcommand*{\bidi@ReplacePackage}[2]{%
2999   \@bidi@replacefilewithext{#1}{#2}\@pkgextension

```



```

3000 }
3001 \newcommand*{\bidi@ReplaceClass}[2]{%
3002   \@bidi@replacefilewithext{#1}{#2}\@clsextension
3003 }
3004 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3005   \ifcsname #1.#2-@bidi@aliasname\endcsname
3006     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3007   \fi
3008 }
3009 \newcommand*{\bidi@UnReplacePackage}[1]{%
3010   \@bidi@unreplacefilewithext{#1}\@pkgextension
3011 }
3012 \newcommand*{\bidi@UnReplaceClass}[1]{%
3013   \@bidi@unreplacefilewithext{#1}\@clsextension
3014 }
3015 \newcommand*{\bidi@replacefile@msg}[2]{%
3016   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3017 }
3018
3019 \newcommand*{\bidi@load@hook}[2]{%
3020   \@ifundefined{#2-@#1}{}%
3021   \@nameuse{#2-@#1}%
3022   \expandafter\let\csname #2-@#1\endcsname=\relax}}
3023 \newcommand*{\bidi@set@load@hook}[2]{%
3024   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{}%
3025   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3026 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3027 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3028 \newcommand*{\bidi@BeforeClass}[1]{%
3029   \bidi@set@load@hook{before}{#1.\@clsextension}}
3030 \newcommand*{\bidi@AfterClass}{%
3031   \@ifstar {\@s@bidi@AfterClass}{%
3032     \@ifnextchar +\@@bidi@AfterClass{%
3033       \@ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3034     }%
3035   }%
3036 }
3037
3038 \newcommand*{\@@@bidi@AfterClass}[2]{%
3039   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3040     \aftergroup\@s@bidi@AfterClass
3041   \else
3042     \aftergroup\bidi@AfterAtEndOfClass
3043   \fi
3044   \endgroup{#2}%
3045 }
3046
3047 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3048   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3049 \newcommand*{\@@bidi@AfterClass}[2]{%

```



```

3050 \begingroup
3051 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3052 \aftergroup\@s@bidi@AfterClass
3053 \else
3054 \aftergroup\@bidi@AfterClass
3055 \fi
3056 \endgroup{#2}%
3057 }
3058
3059 \newcommand*{\@bidi@AfterClass}[1]{%
3060 \bidi@set@load@hook{after}{#1.\@clsextension}}
3061 \newcommand*{\@s@bidi@AfterClass}[1]{%
3062 \begingroup
3063 \@ifclassloaded{#1}{%
3064 \aftergroup\@secondoftwo
3065 }{%
3066 \aftergroup\@bidi@AfterClass
3067 }%
3068 \endgroup
3069 {#1}%
3070 }
3071
3072
3073 \newcommand*{\bidi@BeforePackage}[1]{%
3074 \bidi@set@load@hook{before}{#1.\@pkgextension}}
3075 \newcommand*{\bidi@AfterPackage}{%
3076 \@ifstar {\@s@bidi@AfterPackage}{%
3077 \@ifnextchar +\@bidi@AfterPackage{%
3078 \@ifnextchar !\@bidi@AfterPackage\@bidi@AfterPackage
3079 }%
3080 }%
3081 }
3082 \newcommand*{\@bidi@AfterPackage}[2]{%
3083 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3084 \aftergroup\@s@bidi@AfterPackage
3085 \else
3086 \aftergroup\bidi@AfterAtEndOfPackage
3087 \fi
3088 \endgroup{#2}%
3089 }
3090 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
3091 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3092 \newcommand*{\@bidi@AfterPackage}[2]{%
3093 \begingroup
3094 \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3095 \aftergroup\@s@bidi@AfterPackage
3096 \else
3097 \aftergroup\@bidi@AfterPackage
3098 \fi
3099 \endgroup{#2}%

```



```

3100 }
3101 \newcommand*{\@bidi@AfterPackage}[1]{%
3102   \bidi@set@load@hook{after}{#1.\@pkgextension}}
3103 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3104   \begingroup
3105     \ifpackageloaded{#1}{%
3106       \aftergroup\@secondoftwo
3107     }{%
3108       \aftergroup\@bidi@AfterPackage
3109     }%
3110   \endgroup
3111   {#1}%
3112 }
3113
3114 \newcommand*{\bidi@excludedpackages}{}
3115 \let\bidi@excludedpackages\@empty
3116 \newcommand*{\bidi@saved@RequirePackage}{}
3117 \newcommand*{\bidi@PreventPackageFromLoading}{%
3118   \ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3119     {\@bidi@PreventPackageFromLoading\PackageWarning}%
3120 }
3121 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3122   \ifnextchar [%]
3123     {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
3124 }
3125 \newcommand*{\@bidi@PreventPackageFromLoading}{}
3126
3127 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3128   \edef\reserved@a{\zap@space#3 \@empty}%
3129   \ifx \reserved@a\@empty
3130     #1{biditytools}{%
3131       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3132       argument ignored%
3133     }%
3134   \else
3135     \ifx\bidi@excludedpackages\@empty
3136       \let\bidi@saved@RequirePackage\RequirePackage
3137       \let\RequirePackage\bidi@RequirePackage
3138       \def\reserved@a##1##{%
3139         \@latex@error
3140         {\noexpand \usepackage before \string\documentclass}%
3141         {\noexpand \usepackage may only appear in the document
3142          preamble, i.e.,\MessageBreak
3143          between \noexpand\documentclass and
3144          \string\begin{document}.}%
3145         \@gobble}%
3146       \ifx\reserved@a\usepackage\else
3147         \ifx\usepackage\bidi@saved@RequirePackage\else
3148           \PackageWarning{biditytools}{%
3149             Maybe serious problem: unexpected definition of\MessageBreak

```



```

3150         \string\usepackage
3151     }%
3152 \fi
3153 \let\usepackage\RequirePackage
3154 \fi
3155 \fi
3156 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3157 \reserved@b\do {%
3158     \ifx\reserved@a\@empty
3159         #1{biditools}{%
3160             empty package argument for
3161             \string\bid@PreventPackageFromLoading\MessageBreak
3162             ignored%
3163         }%
3164     \else
3165         \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3166             #1{biditools}{%
3167                 package `\'reserved@a' already loaded.\MessageBreak
3168                 Cannot prevent it from being loaded%
3169             }%
3170         }{%
3171             \edef\bid@excludedpackages{\bid@excludedpackages,%
3172                 \reserved@a}%
3173             \if\relax\detokenize{#2}\relax\else
3174                 \@ifundefined{bid@exclude@package@\reserved@a @do}{%
3175                     \@namedef{bid@exclude@package@\reserved@a @do}{}%
3176                 }{%
3177                     \expandafter\def
3178                     \csname bid@exclude@package@\reserved@a
3179                         @do\expandafter\expandafter\expandafter\endcsname
3180                     \expandafter\expandafter\expandafter{%
3181                         \csname bid@exclude@package@\reserved@a @do\endcsname
3182                         #2%
3183                     }%
3184                 \fi
3185             }%
3186         \fi
3187     }%
3188 \ifx\bid@excludedpackages\@empty
3189     \bid@ResetPreventPackageFromLoading
3190 \fi
3191 \fi
3192 }
3193
3194 \@onlypreamble\bid@PreventPackageFromLoading
3195 \newcommand*{\bid@ResetPreventPackageFromLoading}{%
3196     \let\bid@excludedpackages\@empty
3197     \ifx\RequirePackage\bid@RequirePackage
3198         \ifx\usepackage\RequirePackage
3199             \let\usepackage\bid@saved@RequirePackage

```



```

3200     \fi
3201     \let\RequirePackage\@bidi@saved@RequirePackage
3202     \fi
3203 }
3204 \@onlypreamble\@bidi@ResetPreventPackageFromLoading
3205 \newcommand*{\@bidi@StorePreventPackageFromLoading}[1]{%
3206   \let#1\@bidi@excludedpackages
3207 }
3208 \@onlypreamble\@bidi@StorePreventPackageFromLoading
3209 \newcommand*{\@bidi@UnPreventPackageFromLoading}{%
3210   \@ifstar {\@tempswatrue\@bidi@UnPreventPackageFromLoading}%
3211             {\@tempswafalse\@bidi@UnPreventPackageFromLoading}%
3212 }
3213
3214 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
3215   \edef\reserved@b{\zap@space#1 \@empty}%
3216   \if@tempswa
3217     \@for\reserved@a:=\reserved@b\do {%
3218       \ifx\reserved@a\@empty \else
3219         \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
3220           \expandafter\let
3221           \csname bidi@exclude@package@\reserved@a @do\endcsname
3222           \undefined
3223       \fi
3224     }%
3225   \fi
3226   \ifcsname bidi@excludedpackages\endcsname
3227     \let\reserved@a\@bidi@excludedpackages
3228     \let\@bidi@excludedpackages\@empty
3229     \expandafter\@for\expandafter\reserved@c
3230     \expandafter:\expandafter=\reserved@a
3231     \do{%
3232       \ifx\reserved@c\@empty\else
3233         \@expandtwoargs\in{,\reserved@c,}{,\reserved@b,}%
3234         \ifin@
3235         \else
3236           \edef\@bidi@excludedpackages{%
3237             \@bidi@excludedpackages,\reserved@c
3238           }%
3239         \fi
3240       \fi
3241     }%
3242   \ifx\@bidi@excludedpackages\@empty\@bidi@ResetPreventPackageFromLoading\fi
3243   \fi
3244 }
3245 }
3246
3247
3248 \newcommand*{\@bidi@RequirePackage}[2][1]{%
3249   \let\reserved@c\@empty

```



```

3250 \let\reserved@d\@empty
3251 \edef\reserved@b{\zap@space#2 \@empty}%
3252 \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3253 \do {%
3254   \begingroup
3255     \@tempswatrue
3256     \@for\reserved@a:=\bidi@excludedpackages\do {%
3257       \ifx\reserved@a\reserved@b
3258         \@tempswafalse
3259       \fi
3260     }%
3261     \if@tempswa
3262       \xdef\reserved@c{\reserved@c,\reserved@b}%
3263     \else
3264       \ifx\reserved@b\@empty\else
3265         \PackageInfo{biditools}{Excluding package '\reserved@b'\MessageBreak
3266           from loading}%
3267         \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
3268           }{%
3269             \expandafter\g@addto@macro\expandafter\reserved@d
3270             \csname bidi@exclude@package@\reserved@b @do\endcsname
3271           }%
3272         \fi
3273       \fi
3274     \endgroup
3275   }%
3276   \ifx\reserved@c\@empty
3277     \let\reserved@a\bidi@gobbleopt
3278   \else
3279     \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
3280       \expandafter\@gobble\reserved@c\@empty}}%
3281   \fi
3282   \expandafter\reserved@d
3283   \reserved@a
3284 }
3285
3286 \newcommand{\bidi@gobbleopt}[1] [] {}
3287 \AtEndDocument{%
3288   \let\bidi@saved@checkend=\@checkend
3289   \renewcommand*{\@checkend}[1] {%
3290     \def\reserved@a{#1}\def\reserved@b{document}%
3291     \bidi@saved@checkend{#1}%
3292     \ifx\reserved@a\reserved@b
3293       \let\bidi@saved@clearpage=\clearpage
3294       \renewcommand*{\clearpage}{\bidi@saved@clearpage
3295         \bidi@hook@bcma
3296         \bidi@restore@newpage
3297         \let\clearpage=\bidi@saved@clearpage}%
3298     \fi%
3299     \let\bidi@saved@dofilelist\@dofilelist

```



```

3300 \def\@dofilelist{%
3301     \bidi@hook@acma
3302     \let\@dofilelist\bidi@samed@dofilelist
3303     \bidi@samed@dofilelist
3304 }%
3305 }%
3306 }
3307
3308
3309 \newcommand*\bidi@samed@checkend{}
3310 \newcommand*\bidi@samed@dofilelist{}
3311 \newcommand*\bidi@redefine@newpage{%
3312     \let\bidi@samed@newpage\newpage
3313     \def\bidi@restore@newpage{%
3314         \renewcommand*\bidi@newpage{%
3315             \PackageWarningNoLine{
3316                 bidiutils%
3317             }{%
3318                 \string\newpage\space at main aux file!\MessageBreak
3319                 You have output material at the main aux file.\MessageBreak
3320                 Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3321                 are processed before the output from aux file%
3322             }%
3323             \let\newpage\bidi@samed@newpage
3324             \newpage
3325         }%
3326     }%
3327     \renewcommand*\bidi@newpage{%
3328         \PackageError{
3329             bidiutils%
3330         }{%
3331             \string\newpage\space at \string\bidi@BeforeClosingMainAux
3332         }{%
3333             You should never use \string\newpage\space or
3334             \string\clear(double)page or other output material at the\MessageBreak
3335             argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
3336             If you'll continue, the \string\newpage\space will be ignored to
3337             avoid corruption of\MessageBreak
3338             every prior use of \string\bidi@BeforeClosingMainAux.
3339         }%
3340     }%
3341 }
3342
3343 \newcommand*\bidi@restore@newpage{}
3344 \newcommand*\bidi@hook@bcma{}
3345 \newcommand*\bidi@hook@acma{}
3346 \newcommand*\bidi@BeforeClosingMainAux{%
3347     \ifx\bidi@hook@bcma\@empty
3348         \gdef\bidi@hook@bcma{%
3349             \renewcommand*\bidi@BeforeClosingMainAux}[1]{###1}%

```




```

3350     \let\protected@write\bidiprotected@immediate@write
3351     \bidiredefine@newpage
3352   }%
3353 \fi
3354 \g@addto@macro\bidihook@bcma%
3355 }
3356
3357 \newcommand*{\bidipatch@counter}{0}%
3358 \ifx\bidihook@acma\@empty
3359   \gdef\bidihook@acma{%
3360     \renewcommand*{\bidipatch@counter}[1]{###1}%
3361     \let\protected@write\bidiprotected@immediate@write
3362   }%
3363 \fi
3364 \g@addto@macro\bidihook@acma%
3365 }
3366
3367 \long\def\bidiprotected@immediate@write#1#2#3{%
3368   \begingroup
3369     #2%
3370     \let\protect\@unexpandable@protect
3371     \edef\reserved@a{\immediate\write#1{#3}}%
3372     \reserved@a
3373   \endgroup
3374   \if@nobreak\ifvmode\nobreak\fi\fi
3375 }
3376
3377 \def\bidipatch@counter{0}%
3378 \if@bidicsundef{numexpr}{%
3379   \def\bidipatch@stepcounter{%
3380     \begingroup
3381       \count@\bidipatch@counter\relax
3382       \advance\count@\@ne\relax
3383     \edef\x{\endgroup
3384       \noexpand\def\noexpand\bidipatch@counter{\the\count@}}%
3385   }%
3386   \x
3387 }%
3388 }{%
3389   \def\bidipatch@stepcounter{%
3390     \edef\bidipatch@counter{%
3391       \the\numexpr\bidipatch@counter+\@ne\relax
3392     }%
3393   }%
3394 }
3395 \def\bidipatch@list{}
3396 \def\bidipatch@Add{%
3397   \bidipatch@list
3398 }
3399 \def\bidipatch@AfterPackage#1{%

```



```

3400 \@ifpackageloaded{#1}{%
3401   \@firstofone
3402 }{%
3403   \bidi@patch@AfterPackage{#1}%
3404 }%
3405 }
3406 \def\bidi@patch@AfterPackage#1{%
3407   \edef\bidi@patch@temp{#1}%
3408   \bidi@patch@stepcounter
3409   \expandafter\bidi@patch@@AfterPackage
3410   \csname bidi@patch@\bidi@patch@counter\expandafter\endcsname{%
3411     \bidi@patch@temp
3412   }%
3413 }
3414 \def\bidi@patch@@AfterPackage#1#2#3{%
3415   \begingroup
3416     \toks@{#3}%
3417     \xdef\bidi@patch@gtemp{%
3418       \noexpand\@ifpackageloaded{#2}{%
3419         \noexpand\let\noexpand#1\noexpand\relax
3420         \the\toks@
3421       }{%
3422       }%
3423     \endgroup
3424     \let#1\bidi@patch@gtemp
3425     \bidi@patch@Add#1%
3426     \bidi@patch@try{bidi@AfterPackage}{#2}#1%
3427 }
3428
3429 \def\bidi@patch@try#1#2#3{%
3430   \if@bidi@csundef{#1}{-}{%
3431     \csname #1\endcsname{#2}{#3}%
3432   }%
3433 }
3434
3435 \AtBeginDocument{\bidi@patch@list}
3436
3437 \bidi@AtEndPreamble{\bidi@patch@list}%
3438
3439 \bidi@AfterEndPreamble{%
3440   \let\bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
3441   \let\bidi@patch@OrgIfPackageLater\@ifpackagelater
3442   \let\bidi@patch@OrgIfClassLoaded\@ifclassloaded
3443   \let\bidi@patch@OrgIfClassLater\@ifclasslater
3444   \bidi@patch@list
3445   \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
3446   \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
3447   \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
3448   \let\@ifclasslater\bidi@patch@OrgIfClassLater
3449 }%

```



7.22 biduntfloat.sty

```
3450 \NeedsTeXFormat{LaTeX2e}
3451 \ProvidesPackage{biduntfloat}[2011/06/14 v0.1
3452 bidi implementation of tufte float]
3453 \RequirePackage{xifthen}
3454 \newcommand{\@biduntfloat@pkgname}{biduntfloat}
3455 \newcommand{\biduntfloatError}[2]{\PackageError{\@biduntfloat@pkgname}{#1}{#2}}
3456 \newcommand{\biduntfloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@biduntfloat@debug}}{\bidi
3457 \newcommand{\biduntfloatInfoNL}[1]{\PackageInfo{\@biduntfloat@pkgname}{#1\@gobble}}
3458 \newboolean{\@biduntfloat@RTLgeometry}
3459 \setboolean{\@biduntfloat@RTLgeometry}{true}
3460 \DeclareOption{RTLgeometry}{\setboolean{\@biduntfloat@RTLgeometry}{true}}
3461 \DeclareOption{LTRgeometry}{\setboolean{\@biduntfloat@RTLgeometry}{false}}
3462 \newboolean{\@biduntfloat@a4paper}
3463 \DeclareOption{a4paper}{\setboolean{\@biduntfloat@a4paper}{true}}
3464 \newboolean{\@biduntfloat@b5paper}
3465 \DeclareOption{b5paper}{\setboolean{\@biduntfloat@b5paper}{true}}
3466 \newboolean{\@biduntfloat@symmetric}
3467 \newboolean{\@biduntfloat@twoside}
3468 \DeclareOption{twoside}{%
3469 \@twoside true \@mparswitch true%
3470 \setboolean{\@biduntfloat@twoside}{true}%
3471 \setboolean{\@biduntfloat@symmetric}{true}%
3472 }
3473 \DeclareOption{oneside}{%
3474 \@twoside false \@mparswitch false%
3475 \setboolean{\@biduntfloat@twoside}{false}%
3476 \setboolean{\@biduntfloat@symmetric}{false}%
3477 }
3478 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3479 \newboolean{\@biduntfloat@debug}
3480 \newcommand*{\@biduntfloat@caption@justification}{\@biduntfloat@justification@autodetect}
3481 \ProcessOptions
3482 %% Globally sets the length
3483 \newcommand*{\gsetlength}[2]{%
3484 \setlength{#1}{#2}%
3485 \global#1=#1\relax%
3486 }
3487 %% Globally sets a boolean
3488 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
3489 \lowercase{\def\@tempa{#2}}%
3490 \@ifundefined{\@tempswa\@tempa}%
3491 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
3492 {\@ifundefined{#1\@tempa}%
3493 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3494 {\global\csname#1\@tempa\endcsname}%
3495 }%
3496 }
3497 %% Set the font sizes and baselines to match biduntfloat's books
```



```

3498 \renewcommand\normalsize{%
3499   \@setfontsize\normalsize\@xpt{14}%
3500   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3501   \abovedisplayshortskip \z@ \@plus3\p@
3502   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3503   \belowdisplayskip \abovedisplayskip
3504   \let\@listi\@listI}
3505 \normalbaselineskip=14pt
3506 \normalsize
3507 \renewcommand\footnotesize{%
3508   \@setfontsize\footnotesize\@viipt{10}%
3509   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3510   \abovedisplayshortskip \z@ \@plus\p@
3511   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
3512   \def\@listi{\leftmargin\leftmargini
3513             \topsep 3\p@ \@plus\p@ \@minus\p@
3514             \parsep 2\p@ \@plus\p@ \@minus\p@
3515             \itemsep \parsep}%
3516   \belowdisplayskip \abovedisplayskip
3517 }
3518 %% Paragraph indentation and separation for marginal text
3519 \newcommand{\@bidiutefloat@margin@par}{%
3520   \setlength{\RaggedRightParindent}{0.5pc}%
3521   \setlength{\JustifyingParindent}{0.5pc}%
3522   \setlength{\parindent}{0.5pc}%
3523   \setlength{\parskip}{0pt}%
3524 }
3525 \RequirePackage{ragged2e}
3526 \ifthenelse{\boolean{@bidiutefloat@RTLgeometry}}{%
3527 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=
3528 \ifthenelse{\boolean{@bidiutefloat@afourpaper}}
3529   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=
3530   {}
3531 \ifthenelse{\boolean{@bidiutefloat@bfivepaper}}
3532   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,m
3533   {}}%
3534 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=
3535 \ifthenelse{\boolean{@bidiutefloat@afourpaper}}
3536   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=
3537   {}
3538 \ifthenelse{\boolean{@bidiutefloat@bfivepaper}}
3539   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,ma
3540   {}
3541 \ifthenelse{\boolean{@bidiutefloat@symmetric}}
3542   {}
3543   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
3544 \setlength\marginparpush{10pt}
3545 %% Font for margin items
3546 \newcommand{\@bidiutefloat@marginfont}{\normalfont\footnotesize}
3547 \newcommand*{\@bidiutefloat@caption@font}{\@bidiutefloat@marginfont}

```



```

3548 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidiutfefloat@caption@font}{#1}}
3549 \newcommand{\@bidiutfefloat@justification}{\justifying}%
3550 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3551 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3552 \newboolean{\@bidiutfefloat@changepage}
3553 \IfFileExists{changepage.sty}{%
3554   \bidiutfefloatDebugInfoNL{Found changepage.sty}
3555   \RequirePackage[strict]{changepage}
3556   \setboolean{\@bidiutfefloat@changepage}{true}
3557 }{%
3558   \bidiutfefloatDebugInfoNL{Found chngpage.sty}
3559   \RequirePackage[strict]{chngpage}
3560   \setboolean{\@bidiutfefloat@changepage}{false}
3561 }
3562 \newboolean{\@bidiutfefloat@odd@page}
3563 \setboolean{\@bidiutfefloat@odd@page}{true}
3564 \newcommand*{\@bidiutfefloat@checkoddpag}{%
3565   \checkoddpag%
3566   \ifthenelse{\boolean{\@bidiutfefloat@changepage}}{%
3567     \ifoddpag%
3568       \setboolean{\@bidiutfefloat@odd@page}{true}%
3569     \else%
3570       \setboolean{\@bidiutfefloat@odd@page}{false}%
3571     \fi%
3572   }{%
3573     \ifcpoddpag%
3574       \setboolean{\@bidiutfefloat@odd@page}{true}%
3575     \else%
3576       \setboolean{\@bidiutfefloat@odd@page}{false}%
3577     \fi%
3578   }%
3579 }
3580 \newlength{\@bidiutfefloat@overhang}% used by the fullwidth environment and the running heads
3581 \newlength{\@bidiutfefloat@fullwidth}
3582 \newlength{\@bidiutfefloat@caption@fill}
3583 \newcommand{\@bidiutfefloatRecalculate}{%
3584   \setlength{\@bidiutfefloat@overhang}{\marginparwidth}
3585   \addtolength{\@bidiutfefloat@overhang}{\marginparsep}
3586
3587   \setlength{\@bidiutfefloat@fullwidth}{\textwidth}
3588   \addtolength{\@bidiutfefloat@fullwidth}{\marginparsep}
3589   \addtolength{\@bidiutfefloat@fullwidth}{\marginparwidth}
3590
3591   \setlength{\@bidiutfefloat@caption@fill}{\textwidth}
3592   \addtolength{\@bidiutfefloat@caption@fill}{\marginparsep}
3593 }
3594 \AtBeginDocument{\@bidiutfefloatRecalculate}
3595 \RequirePackage{optparams}% provides multiple optional arguments for commands
3596 \RequirePackage{placeins}
3597 \newsavebox{\@bidiutfefloat@margin@floatbox}

```



```

3598 \newenvironment{@biditytfloat@margin@float}[2][{-1.2ex}%
3599   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3600   \begin{lrbox}{\@biditytfloat@margin@floatbox}%
3601   \begin{minipage}{\marginparwidth}%
3602     \@biditytfloat@caption@font%
3603     \def\@capttype{#2}%
3604     \hbox{\vspace*{#1}%
3605     \@biditytfloat@caption@justification%
3606     \@biditytfloat@margin@par%
3607     \noindent%
3608   }
3609   {\end{minipage}%
3610   \end{lrbox}%
3611   \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
3612 }
3613 \newenvironment{marginfigure}[1][{-1.2ex}%
3614   {\begin{@biditytfloat@margin@float}[#1]{figure}}
3615   {\end{@biditytfloat@margin@float}}}
3616 \newenvironment{margintable}[1][{-1.2ex}%
3617   {\begin{@biditytfloat@margin@float}[#1]{table}}
3618   {\end{@biditytfloat@margin@float}}}
3619 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
3620
3621 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is
3622 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
3623   \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}%
3624     {\def\@biditytfloat@float@debug@info{#1}}%
3625     {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
3626 }
3627 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3628 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug
3629 \newboolean{@biditytfloat@float@recto}
3630 \newcommand{\forcerectofloat}{\gsetboolean{@biditytfloat@float@recto}{true}\@biditytfloat
3631 \newcommand{\forceversofloat}{\gsetboolean{@biditytfloat@float@recto}{false}\@biditytfloat
3632 \newsavebox{\@biditytfloat@figure@box}
3633 \newsavebox{\@biditytfloat@caption@box}
3634 \let\@biditytfloat@orig@float\@float
3635 \let\@biditytfloat@orig@endfloat\endfloat
3636 \newlength{\@biditytfloat@caption@vertical@offset}
3637 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
3638 \newcommand{\@biditytfloat@stored@shortcaption}{%
3639 \newcommand{\@biditytfloat@stored@caption}{%
3640 \newcommand{\@biditytfloat@stored@label}{%
3641 \long\def\@biditytfloat@caption[#1][#2]#3{%
3642   \ifthenelse{\isempty{#1}}%
3643     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
3644     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
3645   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3646   \gdef\@biditytfloat@stored@caption{#3}%
3647 }

```



```

3648 \newcommand{\@bidiutfefloat@label}[1]{%
3649   \gdef\@bidiutfefloat@stored@label{#1}%
3650 }
3651 \newcommand{\@bidiutfefloat@fps}{}
3652 \newboolean{@bidiutfefloat@float@star}
3653 \newlength{\@bidiutfefloat@float@contents@width}
3654 \newenvironment{@bidiutfefloat@float}[3][htbp]%
3655   {% begin @bidiutfefloat@float
3656     % Should this float be full-width or just text-width?
3657     \ifthenelse{\equal{#3}{star}}{%
3658       {\gsetboolean{@bidiutfefloat@float@star}{true}}%
3659       {\gsetboolean{@bidiutfefloat@float@star}{false}}%
3660     % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3661     \@bidiutfefloat@checkoddpag%
3662     \ifthenelse{\boolean{@bidiutfefloat@odd@page}}{%
3663       {\gsetboolean{@bidiutfefloat@float@recto}{true}}\@bidiutfefloat@float@debug{Detected page
3664       {\gsetboolean{@bidiutfefloat@float@recto}{false}}\@bidiutfefloat@float@debug{Detected pag
3665     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3666     \renewcommand{\@bidiutfefloat@fps}{#1}%
3667     \@bidiutfefloat@float@debug{Allowed positions: [#1]}%
3668     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
3669       {\renewcommand{\floatalignment}{b}}\@bidiutfefloat@float@debug{Presumed position: [bottom]}
3670       {\renewcommand{\floatalignment}{t}}\@bidiutfefloat@float@debug{Presumed position: [top]}}%
3671     % Capture the contents of the \caption and \label commands to use later
3672     \global\let\@bidiutfefloat@orig@caption\caption%
3673     \global\let\@bidiutfefloat@orig@label\label%
3674     \renewcommand{\caption}{\optparams{\@bidiutfefloat@caption}{[] [Opt]}}%
3675     \renewcommand{\label}[1]{\@bidiutfefloat@label{##1}}%
3676     % Handle subfigure package compatibility
3677     \ifthenelse{\boolean{@bidiutfefloat@packages@subfigure}}{%
3678       % don't move the label while inside a \subfigure or \subtable command
3679       \global\let\label\@bidiutfefloat@orig@label%
3680     }{% subfigure package is not loaded
3681       \@bidiutfefloat@orig@float{#2}[#1}%
3682       \ifthenelse{\boolean{@bidiutfefloat@float@star}}{%
3683         {\setlength{\@bidiutfefloat@float@contents@width}{\@bidiutfefloat@fullwidth}}%
3684         {\setlength{\@bidiutfefloat@float@contents@width}{\textwidth}}%
3685       }
3686       \begin{lrbox}{\@bidiutfefloat@figure@box}%
3687       \begin{minipage}{\floatalignment}{\@bidiutfefloat@float@contents@width}\hbox{}%
3688     }{% end @bidiutfefloat@float
3689       \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% align
3690       \end{minipage}%
3691       \end{lrbox}%
3692       % build the caption box
3693       \begin{lrbox}{\@bidiutfefloat@caption@box}%
3694       \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
3695       \ifthenelse{\NOT\equal{\@bidiutfefloat@stored@caption}{}}{\@bidiutfefloat@orig@caption
3696       \ifthenelse{\NOT\equal{\@bidiutfefloat@stored@label}{}}{\@bidiutfefloat@orig@label{\@b
3697       \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
3698       \end{minipage}%

```



```

\end{lrbox}}%
3698 % now typeset the stored boxes
3700 \begin{fullwidth}%
3701   \begin{minipage}[\floatalignment]{\linewidth}%
3702     \ifthenelse{\boolean{@bidutefloat@float@star}}{%
3703       {\@bidutefloat@float@fullwidth[\@bidutefloat@caption@vertical@offset]}{\@bidutefloat@float@textwidth[\@bidutefloat@caption@vertical@offset]}\@bidutefloat@float@debug@info}%
3704     {\@bidutefloat@float@textwidth[\@bidutefloat@caption@vertical@offset]}\@bidutefloat@float@debug@info}%
3705   \end{minipage}%
3706 \end{fullwidth}%
3707 \@bidutefloat@orig@endfloat% end original LaTeX float environment
3708 % output debug info
3709 \ifthenelse{\boolean{@bidutefloat@debug}}{%
3710   \typeout{{^J^^J----- bidutefloat package float information -----}}%
3711   \ifthenelse{\equal{\@bidutefloat@stored@label}{}}{%
3712     {\typeout{Warning: Float unlabeled!}}%
3713     {\typeout{Float label: [\@bidutefloat@stored@label]]}%
3714   }{\typeout{Page number: [\the page]]}%
3715   \def\MessageBreak{{^J}}%
3716   \typeout{\@bidutefloat@float@debug@info}%
3717   \ifthenelse{\boolean{@bidutefloat@schematic}}{%
3718     {\typeout{Schematic: [true]}}%
3719     {\typeout{Schematic: [false]}}%
3720   }\typeout{-----^^J^^J}%
3721 }{}%
3722 % reset commands and temp boxes and captions
3723 \gdef\@bidutefloat@float@debug@info{}%
3724 \let\caption\@bidutefloat@orig@caption%
3725 \let\label\@bidutefloat@orig@label%
3726 \begin{lrbox}{\@bidutefloat@figure@box}\hbox{}\end{lrbox}%
3727 \begin{lrbox}{\@bidutefloat@caption@box}\hbox{}\end{lrbox}%
3728 \gdef\@bidutefloat@stored@shortcaption{}%
3729 \gdef\@bidutefloat@stored@caption{}%
3730 \gdef\@bidutefloat@stored@label{}%
3731 \gsetlength{\@bidutefloat@caption@vertical@offset}{0pt}% reset caption offset
3732 }
3733 \newcommand{\@bidutefloat@float@textwidth}[3][Opt]{%
3734 \ifthenelse{\NOT\boolean{@bidutefloat@schematic}\OR\boolean{@bidutefloat@float@recto}}{%
3735   % asymmetric or page is odd, so caption is on the right
3736   \hbox{%
3737     \usebox{#2}%
3738     \hspace{\marginparsep}%
3739     \smash{\raisebox{#1}{\usebox{#3}}}%
3740   }
3741   \@bidutefloat@float@debug{Caption position: [right]]%
3742 }{% symmetric pages and page is even, so caption is on the left
3743   \hbox{%
3744     \smash{\raisebox{#1}{\usebox{#3}}}%
3745     \hspace{\marginparsep}%
3746     \usebox{#2}%
3747   }

```




```

3748 \@bittuftefloat@float@debug{Caption position: [left]]%
3749 }%
3750 }
3751 \newcommand{\@bittuftefloat@float@fullwidth}[3][Opt]{%
3752 \ifthenelse{\equal{\floatalignment}{b}}{%
3753 {% place caption above figure
3754 \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}}\OR\boolean{@bittuftefloat@float@rect}
3755 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bittuftefloat@float@debug{Cap
3756 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bittuftefloat@float@debug{Cap
3757 }}% place caption below figure
3758 \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}}\OR\boolean{@bittuftefloat@float@rect}
3759 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bittuftefloat@float@debug{Cap
3760 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bittuftefloat@float@debug{Cap
3761 }%
3762 }
3763 \renewenvironment{figure}[1][htbp]{%
3764 {\ifvmode\else\unskip\fi\begin{@bittuftefloat@float}[#1]{figure}{}}
3765 {\end{@bittuftefloat@float}}
3766 \renewenvironment{table}[1][htbp]{%
3767 {\ifvmode\else\unskip\fi\begin{@bittuftefloat@float}[#1]{table}{}}
3768 {\end{@bittuftefloat@float}}
3769 \renewenvironment{figure*}[1][htbp]{%
3770 {\ifvmode\else\unskip\fi\begin{@bittuftefloat@float}[#1]{figure}{star}}
3771 {\end{@bittuftefloat@float}}
3772 \renewenvironment{table*}[1][htbp]{%
3773 {\ifvmode\else\unskip\fi\begin{@bittuftefloat@float}[#1]{table}{star}}
3774 {\end{@bittuftefloat@float}}
3775 \newenvironment{fullwidth}
3776 {\ifthenelse{\boolean{@bittuftefloat@symmetric}}{%
3777 {\ifthenelse{\boolean{@bittuftefloat@changepage}}{\begin{adjustwidth*}}{-\@bittuftefloat@
3778 {\begin{adjustwidth}}{-\@bittuftefloat@overhang}}}%
3779 }%
3780 {\ifthenelse{\boolean{@bittuftefloat@symmetric}}{%
3781 {\ifthenelse{\boolean{@bittuftefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
3782 {\end{adjustwidth}}}%
3783 }
3784 \long\def\caption#1[#2]#3{%
3785 \par%
3786 \addcontentsline{\csname ext@#1\endcsname}{#1}%
3787 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
3788 \begingroup%
3789 \@parboxrestore%
3790 \if@minipage%
3791 \@setminipage%
3792 \fi%
3793 \@bittuftefloat@caption@font\@bittuftefloat@caption@justification%
3794 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
3795 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
3796 \endgroup}
3797 %%

```



```

3798 % Turns newlines into spaces. Based on code from the `titlesec' package.
3799 \DeclareRobustCommand{\@bidiutfteheading@newlinetospace}{%
3800   \@ifstar{\@bidiutfteheading@newlinetospace@i}{\@bidiutfteheading@newlinetospace@i}%
3801 }
3802 \def\@bidiutfteheading@newlinetospace@i{%
3803   \ifdim\lastskip>\z@\else\space\fi
3804   \ignorespaces%
3805 }
3806 \DeclareRobustCommand{\newlinetospace}[1]{%
3807   \let\@bidiutfteheading@orig@cr\\% save the original meaning of \\
3808   \def\\{\@bidiutfteheading@newlinetospace}% turn \\ and \\* into \space
3809   \let\newline\\% turn \newline into \space
3810   #1%
3811   \let\\\\@bidiutfteheading@orig@cr% revert to original meaning of \\
3812 }
3813 \RequirePackage{fancyhdr}
3814 \pagestyle{fancy}
3815 \AtBeginDocument{%
3816   \ifthenelse{\boolean{@bidiutftefloat@symmetric}}
3817     {\fancyhfoffset[LE,RO]{\@bidiutftefloat@overhang}}
3818     {\fancyhfoffset[RE,RO]{\@bidiutftefloat@overhang}}
3819 }
3820 % The running heads/feet don't have rules
3821 \renewcommand{\headrulewidth}{0pt}
3822 \renewcommand{\footrulewidth}{0pt}
3823 % The 'fancy' page style is the default style for all pages.
3824 \fancyhf{} % clear header and footer fields
3825   \ifthenelse{\boolean{@bidiutftefloat@symmetric}}
3826     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
3827     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3828     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3829 % The 'plain' page style is used on chapter opening pages.
3830 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
3831 % bottom of pages -- the folios are unexpressed.
3832 \fancypagestyle{plain}{
3833   \fancyhf{} % clear header and footer fields
3834   % Uncomment the following five lines of code if you want the opening page
3835   % of the chapter to express the folio in the lower outside corner.
3836   % \ifthenelse{\boolean{@bidiutftefloat@symmetric}}
3837   %   {\fancyfoot[LE,RO]{\thepage}}
3838   %   {\fancyfoot[RE,RO]{\thepage}}
3839 }
3840 % The 'empty' page style suppresses all headers and footers.
3841 % It's used on title pages and 'intentionally blank' pages.
3842 \fancypagestyle{empty}{
3843   \fancyhf{} % clear header and footer fields
3844 }
3845 \def\morefloats{% provides a total of 52 floats
3846   \ifthenelse{\isundefined{\bx@S}}{%
3847     \bidiutftefloatDebugInfoNL{Adding 34 more float slots.}

```



```

3848 \newinsert\bx@S
3849 \newinsert\bx@T
3850 \newinsert\bx@U
3851 \newinsert\bx@V
3852 \newinsert\bx@W
3853 \newinsert\bx@X
3854 \newinsert\bx@Y
3855 \newinsert\bx@Z
3856 \newinsert\bx@a
3857 \newinsert\bx@b
3858 \newinsert\bx@c
3859 \newinsert\bx@d
3860 \newinsert\bx@e
3861 \newinsert\bx@f
3862 \newinsert\bx@g
3863 \newinsert\bx@h
3864 \newinsert\bx@i
3865 \newinsert\bx@j
3866 \newinsert\bx@k
3867 \newinsert\bx@l
3868 \newinsert\bx@m
3869 \newinsert\bx@n
3870 \newinsert\bx@o
3871 \newinsert\bx@p
3872 \newinsert\bx@q
3873 \newinsert\bx@r
3874 \newinsert\bx@s
3875 \newinsert\bx@t
3876 \newinsert\bx@u
3877 \newinsert\bx@v
3878 \newinsert\bx@w
3879 \newinsert\bx@x
3880 \newinsert\bx@y
3881 \newinsert\bx@z
3882 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
3883 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
3884 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
3885 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
3886 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
3887 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
3888 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3889 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3890 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
3891 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3892 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3893 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
3894 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
3895 \ifthenelse{\isundefined{\bx@AA}}{%
3896 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
3897 \newinsert\bx@AA

```



```

3898 \newinsert\bx@BB
3899 \newinsert\bx@CC
3900 \newinsert\bx@DD
3901 \newinsert\bx@EE
3902 \newinsert\bx@FF
3903 \newinsert\bx@GG
3904 \newinsert\bx@HH
3905 \newinsert\bx@II
3906 \newinsert\bx@JJ
3907 \newinsert\bx@KK
3908 \newinsert\bx@LL
3909 \newinsert\bx@MM
3910 \newinsert\bx@NN
3911 \newinsert\bx@OO
3912 \newinsert\bx@PP
3913 \newinsert\bx@QQ
3914 \newinsert\bx@RR
3915 \newinsert\bx@SS
3916 \newinsert\bx@TT
3917 \newinsert\bx@UU
3918 \newinsert\bx@VV
3919 \newinsert\bx@WW
3920 \newinsert\bx@XX
3921 \newinsert\bx@YY
3922 \newinsert\bx@ZZ
3923 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
3924 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
3925 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
3926 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
3927 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
3928 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
3929 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3930 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3931 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
3932 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3933 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3934 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
3935 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
3936 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
3937 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
3938 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
3939 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
3940 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
3941 }{%
3942 \bidiutfefloatError{You may only call \string\morefloats\space twice. See the\MessageBreak
3943 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\MessageBreak
3944 }%
3945 }%
3946 }
3947 \newboolean{@bidiutfefloat@packages@subfigure}

```



```

3948 \setboolean{@biditytfloat@packages@subfigure}{false}
3949 \AtBeginDocument{%
3950   \ifpackageloaded{subfigure}
3951     {\gsetboolean{@biditytfloat@packages@subfigure}{true}}
3952     {\gsetboolean{@biditytfloat@packages@subfigure}{false}}%
3953 }
3954 \AtBeginDocument{%
3955   \ifpackageloaded{float}{%
3956     % Save the redefined float environment (instead of the LaTeX float environment)
3957     \let\@biditytfloat@orig@float\@float
3958     \let\@biditytfloat@orig@endfloat\endfloat
3959
3960     % Define Tufte float styles (with the caption in the margin)
3961     \newcommand{\floatc@biditytfloatplain}[2]{%
3962       \begin{lrbox}{\@biditytfloat@caption@box}%
3963         \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
3964           \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
3965         \end{minipage}%
3966       \end{lrbox}%
3967       \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
3968     }
3969     \newcommand{\fs@biditytfloatplain}{%
3970       \def\@fs@cfont{\@biditytfloat@caption@font}%
3971       \let\@fs@capt\floatc@biditytfloatplain%
3972       \def\@fs@pre{}%
3973       \def\@fs@post{}%
3974       \def\@fs@mid{}%
3975       \let\@fs@iftopcapt\iftrue%
3976     }
3977     \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
3978     \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
3979     \newcommand\floatc@biditytfloatruled[2]{%
3980       {\@fs@cfont #1} #2\par%
3981     }
3982     \newcommand\fs@biditytfloatruled{%
3983       \def\@fs@cfont{\@biditytfloat@caption@font}%
3984       \let\@fs@capt\floatc@biditytfloatplain%
3985       \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
3986       \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
3987       \def\@fs@mid{}%
3988       \let\@fs@iftopcapt\iftrue%
3989     }
3990     \newcommand\fs@biditytfloatboxed{%
3991       \def\@fs@cfont{}%
3992       \let\@fs@capt\floatc@biditytfloatplain%
3993       \def\@fs@pre{%
3994         \setbox\@currbox\vbox{\hbadness10000
3995           \moveleft3.4pt\vbox{\advance\hsize by6.8pt
3996             \hrule \hbox to\hsize{\vrule\kern3pt
3997               \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}

```



```

3998     }%
3999     \def\@fs@mid{\kern2pt}%
4000     \def\@fs@post{}%
4001     \let\@fs@iftopcapt\iftrue%
4002   }
4003 }{%
4004   % Nothing to do
4005 }
4006 }
4007 \AtBeginDocument{%
4008   \@ifpackageloaded{algorithm}{%
4009     % Set the float style to the TufTian version
4010     \ifthenelse{equal{\ALG@floatstyle}{plain}}{OR\equal{\ALG@floatstyle}{ruled}}{OR\equal{\ALG@floatstyle}{tufte}}{
4011       \bidituftesfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to \ALG@floatstyle}%
4012       \floatstyle{bidituftesfloat\ALG@floatstyle}%
4013       \restylefloat{algorithm}%
4014     }{}%
4015   }{%
4016     % Nothing to do
4017   }
4018 }
4019 \PassOptionsToPackage{caption=false}{subfig}

```

7.23 bidituftesidenote.sty

```

4020 \NeedsTeXFormat{LaTeX2e}
4021 \ProvidesPackage{bidituftesidenote}[2015/04/30 v0.3
4022   bidi implementation of tufte sidenote]
4023 \RequirePackage{xifthen}
4024 \RequirePackage{ragged2e}
4025 \RequirePackage{setspace}
4026 \RequirePackage{biditools}
4027 \def\bidituftesidenotemarginpar{%
4028   \ifhmode
4029     \@bsphack
4030     \@floatpenalty -\@Mii
4031   \else
4032     \@floatpenalty-\@Miii
4033   \fi
4034   \ifinner
4035     \@parmoderr
4036     \@floatpenalty\z@
4037   \else
4038     \@next\@currbox\@freelist{}{}%
4039     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4040     {\@floatpenalty\z@
4041       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4042   \fi
4043   \ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
4044 \long\def\@bidituftesidenotexmpar[#1]#2{%

```



```

4045 \@bidityftesidenotesavemarbox\@marbox{#1}%
4046 \@bidityftesidenotesavemarbox\@currbox{#2}%
4047 \@xympar}
4048 \long\def\@bidityftesidenoteympar#1{%
4049 \@bidityftesidenotesavemarbox\@marbox{#1}%
4050 \global\setbox\@currbox\copy\@marbox
4051 \@xympar}
4052 \long\def \@bidityftesidenotesavemarbox #1#2{%
4053 \global\setbox #1%
4054 \color@vbox
4055 \vtop{%
4056 \hsize\marginparwidth
4057 \@parboxrestore
4058 \@bidityftesidenotemarginparreset
4059 #2%
4060 \@minipagefalse
4061 \outer@nobreak
4062 }%
4063 \color@endbox
4064 }
4065 \def \@bidityftesidenotemarginparreset {%
4066 \reset@font
4067 \normalsize
4068 \@minipagetrue
4069 \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
4070 }
4071 \def\LTRbidityftesidenotemarginpar{%
4072 \ifhmode
4073 \@bsphack
4074 \@floatpenalty -\@Mii
4075 \else
4076 \@floatpenalty-\@Miii
4077 \fi
4078 \ifinner
4079 \@parmoderr
4080 \@floatpenalty\z@
4081 \else
4082 \@next\@currbox\@freelist{}}}%
4083 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4084 {\@floatpenalty\z@
4085 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4086 \fi
4087 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4088 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4089 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4090 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4091 \@xympar}
4092 \long\def\@LTRbidityftesidenoteympar#1{%
4093 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4094 \global\setbox\@currbox\copy\@marbox

```



```

4095 \@xympar}
4096 \long\def \@LTRbiditytesidenotesavemarbox #1#2{%
4097 \global\setbox #1%
4098 \color@vbox
4099 \vtop{%
4100 \hsize\marginparwidth
4101 \@parboxrestore
4102 \@LTRbiditytesidenotemarginparreset
4103 #2%
4104 \@minipagefalse
4105 \outer@nobreak
4106 }%
4107 \color@endbox
4108 }
4109 \def \@LTRbiditytesidenotemarginparreset {%
4110 \reset@font
4111 \normalsize
4112 \@minipagetrue
4113 \everypar{\@minipagefalse\everypar{}\beginL}%
4114 }
4115 \def\RTLbiditytesidenotemarginpar{%
4116 \ifhmode
4117 \@bsphack
4118 \@floatpenalty -\@Mii
4119 \else
4120 \@floatpenalty-\@Miii
4121 \fi
4122 \ifinner
4123 \@parmoderr
4124 \@floatpenalty\z@
4125 \else
4126 \@next\@currbox\@freelist{}\}%
4127 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4128 {\@floatpenalty\z@
4129 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4130 \fi
4131 \@ifnextchar [\@RTLbiditytesidenotexmpar\@RTLbiditytesidenoteympar}
4132 \long\def\@RTLbiditytesidenotexmpar[#1]#2{%
4133 \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
4134 \@RTLbiditytesidenotesavemarbox\@currbox{#2}%
4135 \@xympar}
4136 \long\def\@RTLbiditytesidenoteympar#1{%
4137 \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
4138 \global\setbox\@currbox\copy\@marbox
4139 \@xympar}
4140 \long\def \@RTLbiditytesidenotesavemarbox #1#2{%
4141 \global\setbox #1%
4142 \color@vbox
4143 \vtop{%
4144 \hsize\marginparwidth

```




```

4145         \@parboxrestore
4146         \@RTLbidityftesidenotemarginparreset
4147         #2%
4148         \@minipagefalse
4149         \outer@nobreak
4150     }%
4151     \color@endbox
4152 }
4153 \def \@RTLbidityftesidenotemarginparreset {%
4154     \reset@font
4155     \normalsize
4156     \@minipagetrue
4157     \everypar{\@minipagefalse\everypar{}\beginR}%
4158 }
4159 \newcommand{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4160 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4161 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4162 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4163 \newcommand*{\@bidityftesidenote@LTRsidenote@citation@font}{\@bidityftesidenote@marginfont}
4164 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4165 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4166 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4167 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@citation@font}{#1}}
4168 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@au}
4169 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@au}
4170 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@au}
4171 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4172 \newcommand{\@bidityftesidenote@margin@par}{%
4173     \setlength{\RaggedRightParindent}{0.5pc}%
4174     \setlength{\JustifyingParindent}{0.5pc}%
4175     \setlength{\parindent}{0.5pc}%
4176     \setlength{\parskip}{0pt}%
4177 }
4178 %%
4179 % Globally sets the length
4180 \ifundefined{gsetlength}{%
4181     \newcommand*{gsetlength}[2]{%
4182         \setlength{#1}{#2}%
4183         \global#1=#1\relax%
4184     }%
4185 }{}
4186 %%
4187 % Globally sets a boolean
4188 \ifundefined{gsetboolean}{%
4189     \newcommand*{gsetboolean}[2]{% based on code from ifthen pkg
4190         \lowercase{\def\@tempa{#2}}%
4191         \ifundefined{\@tempa}{%
4192             {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
4193             {\@tempa}%
4194             {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%

```



```

4195     {\global\csname#1\@tempa\endcsname}%
4196   }%
4197 }%
4198 }-{}
4199 %%
4200 % A function that removes leading and trailing spaces from the supplied macro.
4201 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4202 % Executing \@bidityftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4203 % being trimmed of leading and trailing white space.
4204 \catcode`\Q=3
4205 \def\@bidityftesidenote@trim@spaces#1{%
4206   % Use grouping to emulate a multi-token afterassignment queue
4207   \begingroup%
4208   % Put ``\toks 0 {' into the afterassignment queue
4209   \aftergroup\toks\aftergroup0\aftergroup{%
4210   % Apply \trimb to the replacement text of #1, adding a leading
4211   % \noexpand to prevent brace stripping and to serve another purpose
4212   % later.
4213   \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4214   % Transfer the trimmed text back into #1.
4215   \edef#1{\the\toks0}%
4216 }
4217 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4218 % clean up any leftover bizarre Qs, and trim a leading space. In
4219 % order for \trimc to work properly we need to put back a Q first.
4220 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4221 % Execute \vfuzz assignment to remove leading space; the \noexpand
4222 % will now prevent unwanted expansion of a macro or other expandable
4223 % token at the beginning of the trimmed text. The \endgroup will feed
4224 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4225 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4226 \catcode`\Q=11
4227 %%
4228 % Citations should go in the margin as sidenotes
4229
4230 \RequirePackage{natbib}
4231 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environment
4232 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4233 \renewcommand\BR@b@bibitem[2] []{%
4234   \ifthenelse{\isempty{#1}}{%
4235     {\BR@b@bibitem{#2}}%
4236     {\BR@b@bibitem[#1]{#2}}%
4237   \BR@c@bibitem{#2}%
4238 }
4239 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4240 %%
4241 % Normal \cite behavior
4242 \newcounter{@bidityftesidenote@num@bibkeys}%
4243 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt]{%
4244   % Snag the last bibentry in the list for later comparison

```



```

4245 \let\@temp@last@bibkey\@empty%
4246 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4247 \sidenote[] [#1]{%
4248 % Loop through all the bibentries, separating them with semicolons and spaces
4249 \normalsize\normalfont\@bituftesidenote@citation@font%
4250 \setcounter{@bituftesidenote@num@bibkeys}{0}%
4251 \@for\@temp@bibkeyx:=#2\do{%
4252 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4253 {\ifthenelse{\equal{\value{@bituftesidenote@num@bibkeys}}{0}}{\and\ }%
4254 \@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4255 \bibentry{\@temp@bibkeyx}}%
4256 {\@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4257 \bibentry{\@temp@bibkeyx};\ }%
4258 \stepcounter{@bituftesidenote@num@bibkeys}%
4259 }%
4260 }%
4261 }
4262 \newcommand{\@bituftelTRSidenote@normal@cite}[2][Opt]{%
4263 % Snag the last bibentry in the list for later comparison
4264 \let\@temp@last@bibkey\@empty%
4265 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4266 \LTRsidenote[] [#1]{%
4267 % Loop through all the bibentries, separating them with semicolons and spaces
4268 \normalsize\normalfont\@bituftelTRSidenote@citation@font%
4269 \setcounter{@bituftesidenote@num@bibkeys}{0}%
4270 \@for\@temp@bibkeyx:=#2\do{%
4271 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4272 {\ifthenelse{\equal{\value{@bituftesidenote@num@bibkeys}}{0}}{\and\ }%
4273 \@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4274 \bibentry{\@temp@bibkeyx}}%
4275 {\@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4276 \bibentry{\@temp@bibkeyx};\ }%
4277 \stepcounter{@bituftesidenote@num@bibkeys}%
4278 }%
4279 }%
4280 }
4281 \newcommand{\@bituftertLSidenote@normal@cite}[2][Opt]{%
4282 % Snag the last bibentry in the list for later comparison
4283 \let\@temp@last@bibkey\@empty%
4284 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4285 \RTLsidenote[] [#1]{%
4286 % Loop through all the bibentries, separating them with semicolons and spaces
4287 \normalsize\normalfont\@bituftesidenote@citation@font%
4288 \setcounter{@bituftesidenote@num@bibkeys}{0}%
4289 \@for\@temp@bibkeyx:=#2\do{%
4290 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4291 {\ifthenelse{\equal{\value{@bituftesidenote@num@bibkeys}}{0}}{\and\ }%
4292 \@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4293 \bibentry{\@temp@bibkeyx}}%
4294 {\@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey

```



```

4295         \bibentry{\@temp@bibkeyx};\ }%
4296         \stepcounter{@bidityftesidenote@num@bibkeys}%
4297     }%
4298 }%
4299 }
4300 %%
4301 % Macros for holding the list of cite keys until after the \sidenote
4302 \gdef\@bidityftesidenote@citations{ }% list of cite keys
4303 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4304     \ifx\@bidityftesidenote@citations\@empty\else
4305         \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
4306     \fi
4307     \g@addto@macro\@bidityftesidenote@citations{#1}
4308 }
4309 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4310     % Snag the last bibentry in the list for later comparison
4311     \let\@temp@last@bibkey\@empty%
4312     \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4313     \marginpar{%
4314         \hbox{\vspace*{#1}}%
4315         \@bidityftesidenote@citation@font%
4316         \@bidityftesidenote@citation@justification%
4317         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4318         \vspace*{-1\baselineskip}%
4319         % Loop through all the bibentries, separating them with semicolons and spaces
4320         \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4321         \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4322             \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4323                 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{ }{and\ }}%
4324                 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4325                 \bibentry{\@temp@bibkeyx}}%
4326                 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4327                 \bibentry{\@temp@bibkeyx};\ }%
4328             \stepcounter{@bidityftesidenote@num@bibkeys}%
4329         }%
4330     }%
4331 }
4332 %%
4333 % \cite behavior when executed within a sidenote
4334 \newcommand{\@bidityftesidenote@sidenote@citations}{ }% contains list of \cites in sidenote
4335 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
4336     \@bidityftesidenote@add@citation{#1}
4337 }
4338 %%
4339 % Set the default \cite style. This is set and reset by the \sidenote command.
4340 \let\cite\@bidityftesidenote@normal@cite
4341 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
4342 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
4343 %%
4344 % Transform existing \footnotes into \sidenotes

```



```

4345 % Sidenote: ``Where God meant footnotes to go.' ' ---bidityftesidenote
4346 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4347 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@
4348 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@
4349 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4350 % sidenote's text block.
4351 \bidityft@patch@AfterPackage{bidity}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@
4352 % Set the in-text footnote mark in the same typeface as the body text itself.
4353 \bidityft@patch@AfterPackage{bidity}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotes
4354 \providecommand*\multiplefootnotemarker}{3sp}
4355 \providecommand*\multfootsep}{,}
4356 \bidityft@patch@AfterPackage{bidity}{%
4357 \renewcommand{\@footnotemark}{%
4358 \leavevmode%
4359 \ifhmode%
4360 \edef\@x@sf{\the\spacefactor}%
4361 \@bidityftesidenote@check@multiple@sidenotes%
4362 \nobreak%
4363 \fi%
4364 \@makefnmark%
4365 \ifhmode\spacefactor\@x@sf\fi%
4366 \relax%
4367 }%
4368 }
4369 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
4370 \ifdim\lastkern=\multiplefootnotemarker\relax%
4371 \edef\@x@sf{\the\spacefactor}%
4372 \unkern%
4373 \textsuperscript{\multfootsep}%
4374 \spacefactor\@x@sf\relax%
4375 \fi
4376 }
4377 \bidityft@patch@AfterPackage{bidity}{%
4378 \renewcommand\@footnotetext[2][0pt]{%
4379 \bidityftesidenotemarginpar{%
4380 \hbox{\vspace*{#1}}%
4381 \def\baselinestretch {\setspace@singlespace}%
4382 \reset@font\footnotesize%
4383 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4384 \vspace*{-1\baselineskip}\noindent%
4385 \protected@edef\@currentlabel{%
4386 \csname p@footnote\endcsname\@thefnmark%
4387 }%
4388 \color@begingroup%
4389 \makefnmark{%
4390 \ignorespaces#2%
4391 }%
4392 \color@endgroup%
4393 }%
4394 }%

```



```

4395 \renewcommand\@LTRfootnotetext[2][Opt]{%
4396   \LTRbidityftesidenotemarginpar{%
4397     \hbox{}\vspace*{#1}%
4398     \def\baselinestretch {\setspace@singlespace}%
4399     \reset@font\footnotesize%
4400     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4401     \vspace*{-1\baselineskip}\noindent%
4402     \protected@edef\@currentlabel{%
4403       \csname p@footnote\endcsname\@thefnmark%
4404     }%
4405     \color@begingroup%
4406       \makefnintext{%
4407         \ignorespaces#2%
4408       }%
4409     \color@endgroup%
4410   }%
4411 }%
4412 \renewcommand\@RTLfootnotetext[2][Opt]{%
4413   \RTLbidityftesidenotemarginpar{%
4414     \hbox{}\vspace*{#1}%
4415     \def\baselinestretch {\setspace@singlespace}%
4416     \reset@font\footnotesize%
4417     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4418     \vspace*{-1\baselineskip}\noindent%
4419     \protected@edef\@currentlabel{%
4420       \csname p@footnote\endcsname\@thefnmark%
4421     }%
4422     \color@begingroup%
4423       \makefnintext{%
4424         \ignorespaces#2%
4425       }%
4426     \color@endgroup%
4427   }%
4428 }%
4429 }
4430 %
4431 % Define \sidenote command. Can handle \cite.
4432 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
4433 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
4434 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4435 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
4436   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4437   \gdef\@bidityftesidenote@citations{}% clear out any old citations
4438   \ifthenelse{\NOT\isempty{#2}}{%
4439     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4440   }{%
4441     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4442   }%
4443   \ifthenelse{\isempty{#1}}{%
4444     % no specific footnote number provided

```



```

4445 \stepcounter\@mpfn%
4446 \protected@xdef\@thefnmark{\thempfn}%
4447 \@footnotemark\@footnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4448 }{%
4449 % specific footnote number provided
4450 \begingroup%
4451 \csname c@\@mpfn\endcsname #1\relax%
4452 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4453 \endgroup%
4454 \@footnotemark\@footnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4455 }%
4456 \@bidiuftesidenote@print@citations% print any citations
4457 \let\cite\@bidiuftesidenote@normal@cite% go back to using normal in-text \cite command
4458 \let\LTRcite\@bidiufteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4459 \let\RTLcite\@bidiufteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4460 \unskip\ignorespaces% remove extra white space
4461 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4462 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4463 }
4464 \long\def\@LTRbidiuftesidenote@sidenote[#1][#2]#3{%
4465 \let\cite\@bidiuftesidenote@infootnote@cite% use the in-sidenote \cite command
4466 \gdef\@bidiuftesidenote@citations{}% clear out any old citations
4467 \ifthenelse{\NOT\isempty{#2}}{%
4468 \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{#2}%
4469 }{%
4470 \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}%
4471 }%
4472 \ifthenelse{\isempty{#1}}{%
4473 % no specific footnote number provided
4474 \stepcounter\@mpfn%
4475 \protected@xdef\@thefnmark{\thempfn}%
4476 \@footnotemark\@LTRfootnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4477 }{%
4478 % specific footnote number provided
4479 \begingroup%
4480 \csname c@\@mpfn\endcsname #1\relax%
4481 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4482 \endgroup%
4483 \@footnotemark\@LTRfootnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4484 }%
4485 \@bidiuftesidenote@print@citations% print any citations
4486 \let\cite\@bidiuftesidenote@normal@cite% go back to using normal in-text \cite command
4487 \let\LTRcite\@bidiufteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4488 \let\RTLcite\@bidiufteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4489 \unskip\ignorespaces% remove extra white space
4490 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4491 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4492 }
4493 \long\def\@RTLbidiuftesidenote@sidenote[#1][#2]#3{%
4494 \let\cite\@bidiuftesidenote@infootnote@cite% use the in-sidenote \cite command

```



```

4495 \gdef\@bidiuftesidenote@citations{}%          clear out any old citations
4496 \ifthenelse{\NOT\isempty{#2}}{%
4497   \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{#2}%
4498 }{%
4499   \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}%
4500 }%
4501 \ifthenelse{\isempty{#1}}{%
4502   % no specific footnote number provided
4503   \stepcounter{\@mpfn}%
4504   \protected@xdef\@thefnmark{\thempfn}%
4505   \@footnotemark\@RTLfootnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4506 }{%
4507   % specific footnote number provided
4508   \begingroup%
4509     \csname c@\@mpfn\endcsname #1\relax%
4510     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4511   \endgroup%
4512   \@footnotemark\@RTLfootnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4513 }%
4514 \@bidiuftesidenote@print@citations%          print any citations
4515 \let\cite\@bidiuftesidenote@normal@cite%      go back to using normal in-text \cite command
4516 \let\LTRcite\@bidiufteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4517 \let\RTLcite\@bidiufteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4518 \unskip\ignorespaces%          remove extra white space
4519 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
4520 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4521 }
4522 \newcommand{\sidenote}{\@optparams{\@bidiuftesidenote@sidenote}{[] [Opt]}}
4523 \newcommand{\LTRsidenote}{\@optparams{\@LTRbidiuftesidenote@sidenote}{[] [Opt]}}
4524 \newcommand{\RTLsidenote}{\@optparams{\@RTLbidiuftesidenote@sidenote}{[] [Opt]}}
4525 \bidi@patch@AfterPackage{bidi}{%
4526 \renewcommand{\footnote}{\@optparams{\@bidiuftesidenote@sidenote}{[] [Opt]}}%
4527 \renewcommand{\LTRfootnote}{\@optparams{\@LTRbidiuftesidenote@sidenote}{[] [Opt]}}%
4528 \renewcommand{\RTLfootnote}{\@optparams{\@RTLbidiuftesidenote@sidenote}{[] [Opt]}}%
4529 }
4530 %%
4531 % Sidenote without the footnote mark
4532 \newcommand\marginnote[2] [Opt]{%
4533   \let\cite\@bidiuftesidenote@infootnote@cite% use the in-sidenote \cite command
4534   \gdef\@bidiuftesidenote@citations{}%          clear out any old citations
4535   \bidiuftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidiuftesidenote@marginnote@font\@bidiuft
4536   \@bidiuftesidenote@print@citations%          print any citations
4537   \let\cite\@bidiuftesidenote@normal@cite%      go back to using normal in-text \cite command
4538   \let\LTRcite\@bidiufteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4539   \let\RTLcite\@bidiufteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4540 }
4541 \newcommand\LTRmarginnote[2] [Opt]{%
4542   \let\cite\@bidiuftesidenote@infootnote@cite% use the in-sidenote \cite command
4543   \gdef\@bidiuftesidenote@citations{}%          clear out any old citations
4544   \LTRbidiuftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidiuftesidenote@marginnote@font\@bidi

```




```

4545 \@bidityftesidenote@print@citations%          print any citations
4546 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
4547 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4548 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4549 }
4550 \newcommand\RTLmarginnote[2][Opt]{%
4551 \let\cite\@bidityftesidenote@infootnote@cite%  use the in-sidenote \cite command
4552 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
4553 \RTLbidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidity
4554 \@bidityftesidenote@print@citations%          print any citations
4555 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
4556 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4557 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4558 }

```

7.24 bidityftetoc.sty

```

4559 \NeedsTeXFormat{LaTeX2e}
4560 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
4561 bidi implementation of tufte toc]
4562 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
4563 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
4564 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
4565 %%
4566 % Turn off section numbering
4567 \setcounter{secnumdepth}{-1}
4568 \newboolean{@bidityftetoc@toc}
4569 \setboolean{@bidityftetoc@toc}{true}
4570 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
4571 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
4572 \ProcessOptions
4573 %%
4574 % Make Tufte-style section headings and TOC formatting
4575 \bidity@patch@AfterPackage{bidi}{%
4576 \titleformat{\chapter}%
4577 [display]% shape
4578 {\relax\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format app
4579 {\itshape\huge\thechapter}% label
4580 {0pt}% horizontal separation between label and title body
4581 {\huge\rmfamily\itshape}% before the title body
4582 [\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the title bo
4583 \titleformat{\section}%
4584 [hang]% shape
4585 {\normalfont\Large\itshape}% format applied to label+text
4586 {\thesection}% label
4587 {1em}% horizontal separation between label and title body
4588 {}% before the title body
4589 []% after the title body
4590 \titleformat{\subsection}%
4591 [hang]% shape

```



```

4592 {\normalfont\large\itshape}% format applied to label+text
4593 {\thesubsection}% label
4594 {1em}% horizontal separation between label and title body
4595 {}% before the title body
4596 []% after the title body
4597 \titleformat{\paragraph}%
4598 [runin]% shape
4599 {\normalfont\itshape}% format applied to label+text
4600 {\theparagraph}% label
4601 {1em}% horizontal separation between label and title body
4602 {}% before the title body
4603 []% after the title body
4604 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4605 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4606 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
4607 }
4608 % Subsubsection and following section headings shouldn't be used.
4609 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4610 \renewcommand\subsubsection{%
4611 \bidityftocError{\noexpand\subsubsection is undefined by this class.%
4612 \MessageBreak See Robert Bringhurst's _The Elements of
4613 \MessageBreak Typographic Style_, section 4.2.2.
4614 \MessageBreak \noexpand\subsubsection was used}
4615 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4616 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4617 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftoc.com/.}
4618 }
4619 \renewcommand\subparagraph{%
4620 \bidityftocError{\noexpand\subparagraph is undefined by this class.%
4621 \MessageBreak See Robert Bringhurst's _The Elements of
4622 \MessageBreak Typographic Style_, section 4.2.2.
4623 \MessageBreak \noexpand\subparagraph was used}
4624 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4625 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4626 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftoc.com/.}
4627 }
4628 % Formatting for main TOC (printed in front matter)
4629 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4630 \ifthenelse{\boolean{@bidityftoc@toc}}{%
4631 \bidi@patch@AfterPackage{bidi}{%
4632 \titlecontents{part}% FIXME
4633 [0em] % distance from left margin
4634 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4635 {\contentslabel{2em}} % before w/label (label = ``II'')
4636 {} % before w/o label
4637 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4638 [\end{fullwidth}] % after
4639 \titlecontents{chapter}%
4640 [0em] % distance from left margin
4641 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)

```



```

4642     {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4643     {\hspace*{0em}} % before w/o label
4644     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4645     [\end{fullwidth}] % after
4646 \titlecontents{section}% FIXME
4647     [0em] % distance from left margin
4648     {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting)
4649     {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4650     {\hspace*{2em}} % before w/o label
4651     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4652     [\end{fullwidth}] % after
4653 \titlecontents{subsection}% FIXME
4654     [0em] % distance from left margin
4655     {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting)
4656     {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
4657     {\hspace*{4em}} % before w/o label
4658     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4659     [\end{fullwidth}] % after
4660 \titlecontents{paragraph}% FIXME
4661     [0em] % distance from left margin
4662     {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global formatting)
4663     {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4664     {\hspace*{6em}} % before w/o label
4665     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4666     [\end{fullwidth}] % after
4667 }%
4668 }{}
4669 %%
4670 % Format lists of figures/tables
4671 \renewcommand\listoffigures{%
4672     \@ifundefined{chapter}%
4673     {\section*{\listfigurename}}%
4674     {\chapter*{\listfigurename}}%
4675 % \begin{fullwidth}%
4676 % \@starttoc{lof}%
4677 % \end{fullwidth}%
4678 }
4679 \renewcommand\listoftables{%
4680     \@ifundefined{chapter}%
4681     {\section*{\listtablename}}%
4682     {\chapter*{\listtablename}}%
4683 % \begin{fullwidth}%
4684 % \@starttoc{lot}%
4685 % \end{fullwidth}%
4686 }
4687 \newcommand{\@bidiuftetoc@lof@line}[2]{%
4688     % #1 is the figure/table number and its caption text
4689     % #2 is the page number on which the figure/table appears
4690     \leftskip 0.0em
4691     \rightskip 0em

```



```

4692 \parfillskip 0em plus 1fil
4693 \parindent 0.0em
4694 \@afterindenttrue
4695 \interlinepenalty\@M
4696 \leavevmode
4697 \@tempdima 2.0em
4698 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
4699 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
4700 {#1}\nobreak\qqquad\nobreak#2%
4701 \par%
4702 }
4703 \renewcommand*\l@figure{\@bittuftetoc@lof@line}
4704 \let\l@table\l@figure

```

7.25 bidiuftegeneralstructure.sty

```

4705 \NeedsTeXFormat{LaTeX2e}
4706 \ProvidesPackage{bidiuftegeneralstructure}[2011/06/18 v0.1
4707 bidi implementation of tufte general structure]
4708 \renewcommand\small{%
4709   \@setfontsize\small\@ixpt{12}%
4710   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
4711   \abovedisplayshortskip \z@ \@plus2\p@
4712   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
4713   \def\@listi{\leftmargin\leftmargini
4714     \topsep 4\p@ \@plus2\p@ \@minus2\p@
4715     \parsep 2\p@ \@plus\p@ \@minus\p@
4716     \itemsep \parsep}%
4717   \belowdisplayskip \abovedisplayskip
4718 }
4719 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
4720 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
4721 \renewcommand\large{\@setfontsize\large\@xipt{15}}
4722 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
4723 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
4724 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
4725 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
4726 \setlength\leftmargini {1pc}
4727 \setlength\leftmarginii {1pc}
4728 \setlength\leftmarginiii {1pc}
4729 \setlength\leftmarginiv {1pc}
4730 \setlength\leftmarginv {1pc}
4731 \setlength\leftmarginvi {1pc}
4732 \setlength\labelsep {0.5pc}
4733 \setlength\labelwidth {\leftmargini}
4734 \addtolength\labelwidth{-\labelsep}
4735 \setlength{\parindent}{1.0pc}%
4736 \setlength{\parskip}{0pt}%
4737 \RequirePackage{ragged2e}
4738 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hspace}

```



```

4739 % Paragraph indentation and separation for normal text
4740 \newcommand{\@bidiuftgeneralstructure@reset@par}{%
4741   \setlength{\RaggedRightParindent}{1.0pc}%
4742   \setlength{\JustifyingParindent}{1.0pc}%
4743   \setlength{\parindent}{1pc}%
4744   \setlength{\parskip}{0pt}%
4745 }
4746 \@bidiuftgeneralstructure@reset@par
4747 % Require paralist package for tighter lists
4748 \RequirePackage{paralist}
4749 % Add rightmargin to compactenum
4750 \def\@compactenum{%
4751   \expandafter\list\csname label\@enumctr\endcsname{%
4752     \usecounter{\@enumctr}%
4753     \rightmargin=2em% added this
4754     \parsep\plparsep
4755     \itemsep\plitemsep
4756     \topsep\pltopsep
4757     \partopsep\plpartopsep
4758     \def\makelabel##1{\hss\llap{##1}}}}
4759 %%
4760 % An environment for paragraph-style section
4761 \providecommand\newthought[1]{%
4762   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
4763   \noindent\textbf{#1}%
4764 }
4765 %%
4766 % Redefine the display environments (quote, quotation, etc.)
4767 \renewenvironment{verse}
4768   {\let\\\@centercr
4769    \list{}{\itemsep      \z@
4770            \itemindent   -1pc%
4771            \listparindent\itemindent
4772            \rightmargin  \leftmargin
4773            \advance\leftmargin 1pc}%
4774    \small%
4775    \item\relax}
4776   {\endlist}
4777 \renewenvironment{quotation}
4778   {\list{}{\listparindent 1pc%
4779            \itemindent     \listparindent
4780            \rightmargin     \leftmargin
4781            \parsep          \z@ \@plus\p@}%
4782    \small%
4783    \item\relax\noindent\ignorespaces}
4784   {\endlist}
4785 \renewenvironment{quote}
4786   {\list{}{\rightmargin\leftmargin}%
4787    \small%
4788    \item\relax}

```



```

4789             {\endlist}
4790 % Italicize description run-in headings (instead of the default bold)
4791 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
4792 %%
4793 % Redefine \bibsection to not mark the running heads.
4794 % (Code modified from natbib.sty.)
4795 \ifundefined{chapter}%
4796   {\renewcommand\bibsection{\section*{\refname}}}
4797   {\ifundefined{NAT@sectionbib}%
4798     {\renewcommand\bibsection{\chapter{\bibname}}}
4799     {\renewcommand\bibsection{\section*{\bibname}}}}
4800 \RequirePackage{multicol}
4801 \renewenvironment{theindex}{%
4802 \ifundefined{chapter}%
4803   {\section*{\indexname}}%
4804   {\chapter{\indexname}}%
4805 \begin{fullwidth}%
4806 \small%
4807 \parskip0pt%
4808 \parindent0pt%
4809 \let\item\@idxitem%
4810 \begin{multicols}{3}%
4811 }{%
4812 \end{multicols}%
4813 \end{fullwidth}%
4814 }
4815 \AtBeginDocument{%
4816 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
4817 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
4818 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
4819 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
4820 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

7.26 bidentuftehyperref.sty

```

4821 \NeedsTeXFormat{LaTeX2e}
4822 \ProvidesPackage{bidentuftehyperref}[2011/06/18 v0.1
4823 bidi implementation of tufte hyperref]
4824 %%
4825 % Color
4826 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
4827 \newboolean{@bidentuftehyperref@loadhyper}
4828 \setboolean{@bidentuftehyperref@loadhyper}{true}
4829 \DeclareOption{hyper}{\setboolean{@bidentuftehyperref@loadhyper}{true}}
4830 \DeclareOption{nohyper}{\setboolean{@bidentuftehyperref@loadhyper}{false}}
4831 \ProcessOptions
4832 %% Loads the hyperref package and sets some default options.
4833 \newcommand{\bidentuftehyperrefLoadHyperref}{%
4834 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
4835 \hypersetup{%

```



```

4836     bookmarksdepth = section,
4837     citecolor = DarkGreen,
4838     linkcolor = DarkBlue,
4839 %     pagecolor = DarkBlue,
4840     urlcolor = DarkGreen,
4841 }%
4842 }
4843 \ifthenelse{\boolean{@biditytftt@loadhyper}}{%
4844   \biditytftt@loadhyper%
4845 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
4846   \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
4847 }

```

7.27 biditytftt.sty

```

4848 \NeedsTeXFormat{LaTeX2e}
4849 \ProvidesPackage{biditytftt}[2011/06/18 v0.1
4850 bidi implementation of tufte title]
4851 \RequirePackage{biditytools}
4852 %%
4853 % `titlepage' option -- creates a full title page with \maketitle
4854 \newboolean{@biditytftt@titlepage}
4855 \DeclareOption{titlepage}{\setboolean{@biditytftt@titlepage}{true}}
4856 \DeclareOption{notitlepage}{\setboolean{@biditytftt@titlepage}{false}}
4857 % Default `book' and `handout' options
4858 \ifclassloaded{book}{%
4859   \ExecuteOptions{titlepage}}{%
4860   \@ifclassloaded{article}{%
4861     \ExecuteOptions{notitlepage}}%
4862   {}
4863 \ProcessOptions
4864 %%
4865 % Modified \title, \author, and \date commands. These store the
4866 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
4867 \newcommand{\plaintitle}{}% plain-text-only title
4868 \newcommand{\plainauthor}{}% plain-text-only author
4869 \newcommand{\plainpublisher}{}% plain-text-only publisher
4870 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
4871 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
4872 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
4873 \newcommand{\@publisher}{}% full publisher with \thanks{}
4874 \newcommand{\thedate}{\today}
4875 \bidity@patch@AfterPackage{bidi}{%
4876   \renewcommand{\thanks}[1]{\footnote{#1}}
4877   \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
4878   \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
4879 }
4880 \renewcommand{\title}[2]{}%
4881 \gdef\@title{#2}%
4882 \begingroup%

```



```

4883 % TODO store contents of \thanks command
4884 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4885 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4886 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4887 \protected@xdef\thanklesstitle{#2}%
4888 \endgroup%
4889 \ifthenelse{\isempty{#1}}%
4890 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
4891 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
4892 \@ifundefined{hypersetup}%
4893 {}% hyperref is not loaded; do nothing
4894 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
4895 }
4896 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
4897 \renewcommand{\author}[2][{}]{%
4898 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
4899 \begingroup%
4900 % TODO store contents of \thanks command
4901 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4902 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4903 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4904 \protected@xdef\thanklessauthor{#2}%
4905 \endgroup%
4906 \ifthenelse{\isempty{#1}}%
4907 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
4908 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
4909 \@ifundefined{hypersetup}%
4910 {}% hyperref is not loaded; do nothing
4911 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
4912 }
4913 \renewcommand{\date}[1]{%
4914 \gdef\@date{#1}%
4915 \begingroup%
4916 % TODO store contents of \thanks command
4917 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4918 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4919 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4920 \protected@xdef\thedata{#1}%
4921 \endgroup%
4922 }
4923 %%
4924 % Provides a \publisher command to set the publisher
4925 \newcommand{\publisher}[2][{}]{%
4926 \gdef\@publisher{#2}%
4927 \begingroup%
4928 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4929 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4930 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4931 \protected@xdef\thanklesspublisher{#2}%
4932 \endgroup%

```




```

4933 \ifthenelse{\isempty{#1}}
4934 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
4935 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
4936 }
4937 %%
4938 % Produces a full title page
4939 \newcommand{\maketitlepage}[0]{%
4940 \cleardoublepage%
4941 {%
4942 \bfseries%
4943 \begin{fullwidth}%
4944 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
4945 \vspace{11.5pc}%
4946 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
4947 \vfill%
4948 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
4949 \end{fullwidth}%
4950 }
4951 \thispagestyle{empty}%
4952 \clearpage%
4953 }
4954 %%
4955 % Title block
4956 \bidi@AfterEndPreamble{%
4957 \renewcommand{\maketitle}{%
4958 \newpage%
4959 \global\@topnum\z@% prevent floats from being placed at the top of the page
4960 \begin{group}%
4961 \setlength{\parindent}{0pt}%
4962 \setlength{\parskip}{4pt}%
4963 \let\@title\empty%
4964 \let\@author\empty%
4965 \let\@date\empty%
4966 \gdef\@title{\LARGE\itshape\@title\par}%
4967 \gdef\@author{\Large\itshape\@author\par}%
4968 \gdef\@date{\Large\itshape\@date\par}%
4969 \@title%
4970 \@author%
4971 \@date%
4972 \end{group}%
4973 \thispagestyle{plain}}% suppress the running head
4974 }%
4975 }
4976 %%
4977 % Title page (if the 'titlepage' option was passed to the bidentuftetitle-handout
4978 % class.)
4979 \bidi@AfterEndPreamble{%
4980 \ifthenelse{\boolean{@bidentuftetitle@titlepage}}
4981 {\renewcommand{\maketitle}{\maketitlepage}}
4982 {}

```



```

4983 }
4984 %%
4985 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
4986 % without headers and footers
4987 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
4988   \hbox{}
4989   %\vspace*{\fill}
4990   %\begin{center}
4991   % This page intentionally contains only this sentence.
4992   %\end{center}
4993   %\vspace{\fill}
4994   \thispagestyle{empty}
4995   \newpage
4996   \if@twocolumn\hbox{}\newpage\fi\fi\fi

```

7.28 biditufte-handout.cls

```

4997 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
4998 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
4999 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5000 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5001 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5002 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5003 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5004 \ProcessOptions\relax
5005 \LoadClass{article}
5006 \RequirePackage{bidituftefloat}
5007 \RequirePackage{bidituftesidenote}
5008 \RequirePackage{bidituftetoc}
5009 \RequirePackage{bidituftegeneralstructure}
5010 \RequirePackage{bidituftehyperref}
5011 \RequirePackage{bidituftetitle}
5012 \renewenvironment{abstract}
5013   {\begin{quotation}}
5014   {\end{quotation}}
5015 \AtBeginDocument{%
5016 \IfFileExists{biditufte-handout.cfg}{
5017   {\input{biditufte-handout.cfg}}
5018   \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5019   {}%
5020 }

```

7.29 biditufte-book.cls

```

5021 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5022 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5023 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5024 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5025 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5026 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5027 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}

```



```

5028 \ProcessOptions\relax
5029 \LoadClass{book}
5030 \RequirePackage{bidiuttfefloat}
5031 \RequirePackage{bidiutftesidenote}
5032 \RequirePackage{bidiuftetoc}
5033 \RequirePackage{bidiutftegeneralstructure}
5034 \RequirePackage{bidiutftehyperref}
5035 \RequirePackage{bidiuftetitle}
5036 %%
5037 % Set up any book-specific stuff now
5038 %%
5039 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5040 % to the opening page of Chapter 1. The running heads, when they appear,
5041 % contain only the (arabic) page number in the outside corner.
5042 %\newif\if@mainmatter \@mainmattertrue
5043 \renewcommand\frontmatter{%
5044   \cleardoublepage%
5045   \@mainmatterfalse%
5046   \pagenumbering{arabic}%
5047   %\pagestyle{plain}%
5048   \fancyhf{}%
5049   \ifthenelse{\boolean{@bidiuttfefloat@twoside}}{%
5050     {\fancyhead[LE,R0]{\thepage}}%
5051     {\fancyhead[RE,R0]{\thepage}}%
5052   }
5053   %%
5054 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5055 % numbering---it continues where it left off in the front matter.
5056 \renewcommand\mainmatter{%
5057   \cleardoublepage%
5058   \@mainmattertrue%
5059   \fancyhf{}%
5060   \ifthenelse{\boolean{@bidiuttfefloat@twoside}}{%
5061     {\renewcommand\chaptermark[1]{\markboth{##1}{}}}%
5062     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5063     {\fancyhead[R0]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}}% chapter title
5064     {\fancyhead[RE,R0]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5065   }
5066   %%
5067 % The back matter contains appendices, indices, glossaries, endnotes,
5068 % bibliographies, list of contributors, illustration credits, etc.
5069 \renewcommand\backmatter{%
5070   \if@openright%
5071     \cleardoublepage%
5072   \else%
5073     \clearpage%
5074   \fi%
5075   \@mainmatterfalse%
5076 }
5077 %%

```



```

5078 % Only show the chapter titles in the table of contents
5079 \setcounter{tocdepth}{0}
5080 \AtBeginDocument{%
5081 \IfFileExists{biditufte-book.cfg}
5082 {\input{biditufte-book.cfg}
5083 \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5084 {}%
5085 }

```

7.30 bidipoem.sty

```

5086 \NeedsTeXFormat{LaTeX2e}
5087 \ProvidesPackage{bidipoem}%
5088 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5089
5090 % Usage:
5091 %
5092 % \Setversedim #1#2 % define the layout (within a group):
5093 % #1 = length of both half-verses
5094 % #2 = separation distance = length of a connection, if present
5095 % Variant:
5096 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5097 % #1 = length of first (=right) half-verse
5098 % #2 = length of second (=left) half-verse
5099 % #3 = separation distance = length of a connection, if present
5100 %
5101 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5102 % #1 = text of first (=right) half-verse
5103 % #2 = text of second (=left) half-verse
5104 % Variant:
5105 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5106 % #1 = text of first (=right) half-verse
5107 % #2 = text of connection
5108 % #3 = text of second (=left) half-verse
5109 %
5110 % Alternative (if preferred):
5111 %
5112 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5113
5114
5115 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5116
5117 % define the layout, verses will be centered
5118
5119 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5120 \newdimen \bidipoem@hvind \newdimen \bidipoem@chvlen
5121
5122 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5123 \bidipoem@hvind \textwidth
5124 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen

```



```

5125 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []\else
5126 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
5127
5128 \def \bidipoem@set@verseI [#1]{% optional parameter
5129 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5130
5131 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5132 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5133 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5134
5135 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5136 \ifdim Opt > \bidipoem@hvind %
5137 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
5138 \else
5139 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5140 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5141 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
5142 \par }
5143
5144 % macro for two half verses
5145 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5146 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}}}%
5147 \else \def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5148 \bidipoem@half@verses@next}
5149
5150 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5151 \traditionalconnverses {#1}{#2}{#3}}
5152
5153
5154 {\catcode\^^M=\active % these lines must end with %
5155 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
5156 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5157 {\catcode\^^M=\active % these lines must end with %
5158 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
5159 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5160 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5161 \def\poemmarginsskip{1em plus 1fil minus 1em}
5162 \def\poemextrabaselineskip{0\baselineskip}
5163 \def\poemskip{\medskip}
5164 \newcommand{\bidipoem@openbox}{\leavevmode
5165 \hbox to.77778em{%
5166 \hfil\vrule
5167 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5168 \vrule\hfil}}
5169 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5170 \newdimen\versewidth
5171 \newtoks\bidipoem@p@ftn
5172 \def\poem@verse#1{%
5173 \ifdim\wd#1>\new@poem@width
5174 \xdef\new@poem@width{\the\wd#1}%

```



```

5175 \ifdim\new@poem@width>\poem@width
5176 \xdef\poem@width{\new@poem@width}%
5177 \global\let\poem@needrun\relax
5178 \fi
5179 \fi
5180 \hbox to\poem@width{\unhbox#1}%
5181 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5182 }
5183 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmarginsskip\relax}
5184 \def\poem@lineend{\nobreak\hskip\poemmarginsskip\hskip\@flushglue\vadjust{}}
5185 \def\poem@lineversesep{%
5186 \nobreak
5187 \hskip\z@ plus 1filll%
5188 \penalty600%
5189 \hskip\poemcolsepskip
5190 \hskip\z@ plus -2filll%
5191 \vadjust{}}%
5192 \nobreak
5193 \hskip\z@ plus 1filll%
5194 }
5195 \def\poem@lineparsebegin{%
5196 \halign\bgroup
5197 \global\setbox\verse@i=\hbox{%
5198 \let\@footnotetext\bidipoem@p@ftntext%
5199 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5200 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5201 \let\@xfootnotenext\bidipoem@p@xftntext%
5202 \let\@xfootnote\bidipoem@p@xfootnote%
5203 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5204 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5205 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5206 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5207 \ignorespaces##\unskip}&&
5208 \global\setbox\verse@ii=\hbox{%
5209 \let\@footnotetext\bidipoem@p@ftntext%
5210 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5211 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5212 \let\@xfootnotenext\bidipoem@p@xftntext%
5213 \let\@xfootnote\bidipoem@p@xfootnote%
5214 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5215 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5216 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5217 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5218 \ignorespaces##\unskip}
5219 \cr
5220 }
5221 \def\poem@lineparseend{%
5222 \crcr\egroup
5223 \vskip-\baselineskip
5224 }

```



```

5225 \def\traditionalpoem@cr{%
5226   \cr\poem@line
5227 }
5228 \newbox\verse@i
5229 \newbox\verse@ii
5230 \newif\ifpoem@started
5231
5232 \def\poem@line{%
5233   \poem@lineparseend
5234   \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5235   \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5236   \ifpoem@started
5237     \ifdim\wd\verse@ii>\z@\else
5238       \nopagebreak[3]
5239       \fi
5240       \leavevmode
5241       \poem@linebegin
5242       \poem@verse\verse@i
5243       \ifdim\wd\verse@ii>\z@
5244         \poem@lineversesep
5245         \poem@verse\verse@ii
5246       \fi
5247       \poem@lineend
5248 %   \nopagebreak
5249       \par
5250       \vskip\poemextrabaselineskip
5251     \fi
5252   \poem@lineparsebegin
5253 }
5254 \def\@traditionalpoem{%
5255   \stepcounter{poem@no}
5256   \ifnum\max@poem@no<\number\c@poem@no%
5257     \xdef\poem@width{\z@}%
5258   \else
5259     \xdef\poem@width{\poem@prop{poem@width}}%
5260   \fi
5261   \xdef\new@poem@width{\z@}%
5262   \global\versewidth=\poem@width
5263   \poemskip\par
5264   \begingroup
5265   \tabskip=\z@
5266   \parskip=\z@
5267   \parindent=\z@
5268   \parfillskip=\z@
5269   \rightskip=\z@
5270   \leftskip=\z@
5271   \widowpenalty=10000% No break between verses of the same line.
5272   \clubpenalty=10000% Same as above. Not really needed.
5273   \def\newblock{\hfil\poemblocksep\hfil\null}%

```



```

5274 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5275 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
5276 \global\poem@startedfalse
5277 \csname poem@obeylines\endcsname
5278 \let\poem@obeylines\relax
5279 \poem@lineparsebegin
5280 }
5281 \def\@endtraditionalpoem{%
5282 \cr
5283 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5284 \noalign{%
5285 \skip0=\poemextrabaselineskip
5286 \vskip-\skip0
5287 \vskip-\baselineskip
5288 }%
5289 \fi\fi
5290 \poem@lineparseend
5291 \endgroup
5292 \par
5293 \vskip\baselineskip
5294 \poemskip
5295 \if@nopalrlist \else
5296 \ifdim\lastskip >\z@
5297 \@tempskipa\lastskip \vskip -\lastskip
5298 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5299 \vskip\@tempskipa
5300 \fi
5301 \@endparenv
5302 \fi
5303 \ifdim\new@poem@width<\poem@width
5304 \global\let\poem@needrun\relax
5305 \fi
5306 \poem@write@aux{\poem@width\romannumeral\c@poem@no}{\new@poem@width}%
5307 \ifx\AtEndDocument\undefined\poem@finish\fi
5308 }
5309
5310
5311 \long\def\bidipoem@p@ftntext#1{%
5312 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
5313 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
5314 \long\def\bidipoem@p@LTRftntext#1{%
5315 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
5316 \global\bidipoem@p@ftn\expandafter{\@tempxi{x{#1}}}%
5317 \long\def\bidipoem@p@RTLftntext#1{%
5318 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
5319 \global\bidipoem@p@ftn\expandafter{\@tempxii{x{#1}}}%
5320
5321 \long\def\bidipoem@p@xftntext[#1]#2{%
5322 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5323

```




```

5324 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5325   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}
5326
5327 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5328   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}
5329
5330 \def\bidipoem@p@xfootnote[#1]{%
5331   \begingroup
5332     \csname c@{\mpfn}\endcsname #1\relax
5333     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5334   \endgroup
5335   \@footnotemark\bidipoem@p@xftntext[#1]}
5336
5337 \def\bidipoem@p@xLTRfootnote[#1]{%
5338   \begingroup
5339     \csname c@{\mpfn}\endcsname #1\relax
5340     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5341   \endgroup
5342   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5343
5344 \def\bidipoem@p@xRTLfootnote[#1]{%
5345   \begingroup
5346     \csname c@{\mpfn}\endcsname #1\relax
5347     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5348   \endgroup
5349   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5350
5351
5352
5353 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5354 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
5355 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5356 \def\poem@finish{%
5357 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5358 \ifx\poem@needrun\relax
5359 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5360 \global\let\poem@needrun\undefined
5361 \fi
5362 }
5363 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5364 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5365 \ifx\max@poem@no\undefined
5366   \def\max@poem@no{0}%
5367 \fi
5368 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
5369 \newcommand{\poem@write@aux}[2]{%
5370   \def\@x{\immediate\write\auxout{\global\noexpand\@namedef{#1}{#2}}}%
5371   \@x
5372 }
5373 \def\@modernpoem{%

```



```

5374 \par
5375 \begingroup
5376 \parskip=\z@
5377 \parindent=\z@
5378 \def\[{ \@settab\@tabplus\ignorespaces}%
5379 \def\]\{ \@tabminus\ignorespaces}%
5380 \def\newblock{\poemblocksep}%
5381 \let\newpoem@tabcr\@tabcr
5382 \def\modernpoem@par{% Redefine \par for possible \obeylines
5383   \ifpoem@started\else
5384     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5385       \@stopfield
5386     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5387     \@contfield
5388   \fi
5389 \fi
5390 \ifpoem@started\newpoem@tabcr\fi}%
5391 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5392 \global\poem@startedfalse
5393 \csname poem@obeylines\endcsname
5394 \let\poem@obeylines\relax
5395 \begin{tabbing}%
5396 }
5397 \def\@endmodernpoem{%
5398 \global\poem@startedfalse
5399 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5400   \@stopfield
5401 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5402 \contfield
5403 \fi
5404 \ifpoem@started\else\let\@stopline\@stopfield\fi
5405 \end{tabbing}%
5406 \endgroup
5407 \par
5408 \if@nolist \else
5409   \ifdim\lastskip >\z@
5410     \@tempkipa\lastskip \vskip -\lastskip
5411     \advance\@tempkipa\parskip \advance\@tempkipa -\outerparskip
5412     \vskip\@tempkipa
5413   \fi
5414   \@endparenv
5415 \fi
5416 }
5417 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5418 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@par}
5419 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5420 \gdef\@startfield{%
5421 \global\setbox\@curfield\hbox\bgroup%
5422 \let\@footnotetext\bidipoem@p@ftntext%
5423 \let\@LTrfootnotetext\bidipoem@p@LTrftntext%

```



```

5424 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5425 \let\@xfootnotenext\bidipoem@p@xftntext%
5426 \let\@xfootnote\bidipoem@p@xfootnote%
5427 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5428 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5429 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5430 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5431 \color@begingroup}
5432 \gdef\@stopfield{%
5433   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
5434 \gdef\@contfield{%
5435   \global\setbox\@curfield\hbox\bgroup%
5436   \let\@footnotetext\bidipoem@p@ftntext%
5437   \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5438   \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5439   \let\@xfootnotenext\bidipoem@p@xftntext%
5440   \let\@xfootnote\bidipoem@p@xfootnote%
5441   \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5442   \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5443   \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5444   \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5445   \color@begingroup\unhbox\@curfield}

```

7.31 boek3-xetex-bidi.def

```

5446 \ProvidesFile{boek3-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for boek3 class for XeTeX e
5447 \renewenvironment{theindex}{%
5448   \if@twocolumn
5449     \@restonecolfalse
5450   \else
5451     \@restonecoltrue
5452   \fi
5453   \columnseprule \z@
5454   \columnsep 35\p@
5455   \twocolumn[\@makeschapterhead{\indexname}]%
5456   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5457   \thispagestyle{plain}\parindent\z@
5458   \parskip\z@ \@plus .3\p@\relax
5459   \let\item\@idxitem
5460 }{%
5461   \if@restonecol\onecolumn\else\clearpage\fi}
5462 \renewcommand*{\head@style}{%
5463   \interlinepenalty \@M
5464   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5465   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5466 \renewcommand*{\@regtocline}[3]{%
5467   \ifnum #1>\c@tocdepth
5468   \else
5469     \vskip\z@ \@plus .2\p@
5470     {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M

```



```

5471 \if@RTL\rightrightskip\else\leftskip\fi\unitindent
5472 \if@RTL\leftskip\else\rightrightskip\fi\unitindent\@plus 1fil
5473 \parfillskip\z@
5474 \@tempdima\unitindent
5475 \parindent\z@
5476 \leavevmode
5477 \hbox{}\hskip -\if@RTL\rightrightskip\else\leftskip\fi\relax#2\nobreak
5478 \hskip 1em \nobreak{\slshape #3}\par
5479 }%
5480 \fi}
5481 \if@oldtoc
5482 \renewcommand*\l@part[2]{%
5483 \ifnum \c@tocdepth >-2\relax
5484 \addpenalty{-\@highpenalty}%
5485 \addvspace{2.25em \@plus\p@}%
5486 \begingroup
5487 \setlength\@tempdima{3em}%
5488 \parindent \z@ \if@RTL\leftskip\else\rightrightskip\fi \@pnumwidth
5489 \parfillskip -\@pnumwidth
5490 {\leavevmode
5491 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5492 \nobreak
5493 \global\@nobreaktrue
5494 \everypar{\global\@nobreakfalse\everypar{}}}%
5495 \endgroup
5496 \fi}
5497 \else
5498 \renewcommand*\l@part{%
5499 \ifnum \c@tocdepth >-2\relax
5500 \addpenalty{-\@highpenalty}%
5501 \addvspace{2.25em \@plus\p@}%
5502 \@regtocline{0}%
5503 \fi}
5504 \fi
5505 \if@oldtoc
5506 \renewcommand*\l@chapter[2]{%
5507 \addpenalty{-\@highpenalty}%
5508 \vskip 1.0em \@plus\p@
5509 \setlength\@tempdima{1.5em}%
5510 \begingroup
5511 \parindent \z@ \if@RTL\leftskip\else\rightrightskip\fi \@pnumwidth
5512 \parfillskip -\@pnumwidth
5513 \leavevmode \bfseries
5514 \advance\if@RTL\rightrightskip\else\leftskip\fi\@tempdima
5515 \hskip -\if@RTL\rightrightskip\else\leftskip\fi
5516 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5517 \penalty\@highpenalty
5518 \endgroup}
5519 \else
5520 \renewcommand*\l@chapter{\@regtocline{0}}

```



```

5521 \fi
5522 \renewenvironment{abstract}{%
5523     \titlepage
5524     \null\vfil
5525     \section*{\SectFont \abstractname}
5526     \noindent\ignorespaces}
5527     {\par\vfil\null\endtitlepage}
5528 \renewenvironment{thebibliography}[1]
5529     {\chapter*{\bibname}%
5530     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5531     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
5532     \list{\@biblabel{\@arabic\c@enumiv}}%
5533         {\settowidth\labelwidth{\@biblabel{#1}}%
5534         \leftmargin\labelwidth
5535         \advance\leftmargin\labelsep
5536         \@openbib@code
5537         \usecounter{enumiv}%
5538         \let\p@enumiv\@empty
5539         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5540     \sloppy\clubpenalty4000\widowpenalty4000%
5541     \sfcode`. \m}
5542     {\def\@noitemerr
5543     {\@latex@warning{Empty `thebibliography' environment}}%
5544     \endlist}
5545 \renewcommand*\left@footnoterule{%
5546     \kern-3\p@
5547     \kern.5\baselineskip
5548     \hrule\@width\unitindent
5549     \kern.4\baselineskip
5550 }
5551 \renewcommand*\right@footnoterule{%
5552     \hbox to \columnwidth
5553     {\beginR \vbox{%
5554         \kern-3\p@
5555         \kern.5\baselineskip
5556         \hrule\@width\unitindent
5557         \kern.4\baselineskip}\hfil\endR}
5558 }
5559 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5560 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
5561 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
5562 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
5563 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
5564 \renewcommand*\theequation{%
5565     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5566 \renewcommand*\thefigure{%
5567     \ifnum\c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
5568 \renewcommand*\thetable{%
5569     \ifnum\c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
5570 \renewcommand*\maketitle{%

```



```

5571 \begin{titlepage}%
5572 \let\footnotesize\small
5573 \let\right@footnoterule\relax
5574 \let\left@footnoterule\relax
5575 \let\textwidth@footnoterule\relax
5576 \let \footnote \thanks
5577 \long\def\@makefntext##1{\parindent\z@
5578 \def\labelitemi{\textendash}\@revlabeltrue
5579 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5580 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5581 \if@compatibility\setcounter{page}{0}\fi
5582 \null\vfil
5583 \vskip 60\p@
5584 \begin{center}%
5585 \TitleFont
5586 {\LARGE \def\\{\penalty -\@M}
5587 \if@allcaps
5588 \expandafter\uc@nothanks\@title\thanks\relax
5589 \else
5590 \@title
5591 \fi\par}%
5592 \vskip 3em%
5593 {\large
5594 \lineskip .75em \parindent\z@
5595 \begin{tabular}[t]{c}%
5596 \if@allcaps
5597 \expandafter\uc@authornothanks\@author\and\relax
5598 \else
5599 \@author
5600 \fi
5601 \end{tabular}\par}%
5602 \vskip 1.5em%
5603 {\large
5604 \if@allcaps
5605 \uppercase\expandafter{\@date}%
5606 \else
5607 \@date
5608 \fi\par}%
5609 \end{center}\par
5610 \@thanks
5611 \vfil\null
5612 \end{titlepage}%
5613 \setcounter{footnote}{0}%
5614 \global\let\thanks\relax
5615 \global\let\maketitle\relax
5616 \global\let\@thanks\@empty
5617 \global\let\@author\@empty
5618 \global\let\@title\@empty
5619 \global\let\@date\@empty
5620 \global\let\title\relax

```



```

5621 \global\let\author\relax
5622 \global\let\date\relax
5623 \global\let\and\relax
5624 }

```

7.32 boek-xetex-bidi.def

```

5625 \ProvidesFile{boek-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for boek class for XeTeX eng
5626 \renewenvironment{theindex}{%
5627   \if@twocolumn
5628     \@restonecolfalse
5629   \else
5630     \@restonecoltrue
5631   \fi
5632   \columnseprule \z@
5633   \columnsep 35\p@
5634   \twocolumn[\@makeschapterhead{\indexname}]%
5635   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5636   \thispagestyle{plain}\parindent\z@
5637   \parskip\z@ \@plus .3\p@\relax
5638   \let\item\@idxitem
5639   }{%
5640   \if@restonecol\onecolumn\else\clearpage\fi}
5641 \renewcommand*{\head@style}{%
5642   \interlinepenalty \@M
5643   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5644   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5645 \renewcommand*{\regtocline}[3]{%
5646   \ifnum #1>\c@tocdepth
5647   \else
5648     \vskip\z@\@plus.2\p@
5649     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5650     \if@RTL\rightskip\else\leftskip\fi\unitindent
5651     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5652     \parfillskip\z@
5653     \@tempdima\unitindent
5654     \parindent\z@
5655     \leavevmode
5656     \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5657     \hskip 1em \nobreak{\slshape #3}\par
5658     }%
5659   \fi}
5660 \if@oldtoc
5661 \renewcommand*{\l@part}[2]{%
5662   \ifnum \c@tocdepth >-2\relax
5663     \addpenalty{-\@highpenalty}%
5664     \addvspace{2.25em \@plus\p@}%
5665     \begingroup
5666       \setlength{\@tempdima}{3em}%
5667       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

5668 \parfillskip -\@pnumwidth
5669 {\leavevmode
5670 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5671 \nobreak
5672 \global\@nobreaktrue
5673 \everypar{\global\@nobreakfalse\everypar{}}%
5674 \endgroup
5675 \fi}
5676 \else
5677 \renewcommand*\l@part{%
5678 \ifnum \c@tocdepth >-2\relax
5679 \addpenalty{-\@highpenalty}%
5680 \addvspace{2.25em \@plus \p@}%
5681 \@regtocline{0}%
5682 \fi}
5683 \fi
5684 \if@oldtoc
5685 \renewcommand*\l@chapter[2]{%
5686 \addpenalty{-\@highpenalty}%
5687 \vskip 1.0em \@plus \p@
5688 \setlength\@tempdima{1.5em}%
5689 \begingroup
5690 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5691 \parfillskip -\@pnumwidth
5692 \leavevmode \bfseries
5693 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5694 \hskip -\if@RTL\rightskip\else\leftskip\fi
5695 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5696 \penalty\@highpenalty
5697 \endgroup}
5698 \else
5699 \renewcommand*\l@chapter{\@regtocline{0}}
5700 \fi
5701 \renewcommand*\left@footnoterule{%
5702 \kern-3\p@
5703 \kern.5\baselineskip
5704 \hrule\@width\unitindent
5705 \kern.4\baselineskip
5706 }
5707 \renewcommand*\right@footnoterule{%
5708 \hbox to \columnwidth
5709 {\beginR \vbox{%
5710 \kern-3\p@
5711 \kern.5\baselineskip
5712 \hrule\@width\unitindent
5713 \kern.4\baselineskip}\hfil\endR}
5714 }
5715 \renewenvironment{abstract}{%
5716 \titlepage
5717 \null\vfil

```




```

5718 \section*{\SectFont \abstractname}
5719 \noindent\ignorespaces}
5720 {\par\vfil\null\endtitlepage}
5721 \renewenvironment{thebibliography}[1]
5722 {\chapter*{\bibname}%
5723 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5724 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLBibitems\@RTLtrue\else\fi\fi
5725 \list{\@biblabel{\@arabic\c@enumiv}}%
5726 {\settowidth\labelwidth{\@biblabel{#1}}%
5727 \leftmargin\labelwidth
5728 \advance\leftmargin\labelsep
5729 \@openbib@code
5730 \usecounter{enumiv}%
5731 \let\p@enumiv\@empty
5732 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5733 \sloppy\clubpenalty4000\widowpenalty4000%
5734 \sfcode`. \m}
5735 {\def\@noitemerr
5736 {\@latex@warning{Empty `thebibliography' environment}}}%
5737 \endlist}
5738 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5739 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5740 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5741 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5742 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5743 \renewcommand*\theequation{%
5744 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5745 \renewcommand*\thefigure{%
5746 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
5747 \renewcommand*\thetable{%
5748 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
5749 \renewcommand*\maketitle{%
5750 \begin{titlepage}%
5751 \let\footnotesize\small
5752 \let\right@footnoterule\relax
5753 \let\left@footnoterule\relax
5754 \let\textwidth\footnoterule\relax
5755 \let \footnote \thanks
5756 \long\def\@makefnmark##1{\parindent\z@
5757 \def\labelitemi{\textendash}\@revlabeltrue
5758 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5759 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5760 \if@compatibility\setcounter{page}{0}\fi
5761 \null\vfil
5762 \vskip 60\p@
5763 \begin{center}%
5764 \TitleFont
5765 {\LARGE \def\{\penalty -\@M}
5766 \if@allcaps
5767 \expandafter\uc@nothanks\@title\thanks\relax

```



```

5768         \else
5769             \@title
5770         \fi\par}%
5771     \vskip 3em%
5772     {\large
5773         \lineskip .75em \parindent\z@
5774         \begin{tabular}[t]{c}%
5775             \if@allcaps
5776                 \expandafter\uc@authornothanks\@author\and\relax
5777             \else
5778                 \@author
5779             \fi
5780         \end{tabular}\par}%
5781     \vskip 1.5em%
5782     {\large
5783         \if@allcaps
5784             \uppercase\expandafter{\@date}%
5785         \else
5786             \@date
5787         \fi\par}%
5788     \end{center}\par
5789     \@thanks
5790     \vfil\null
5791 \end{titlepage}%
5792 \setcounter{footnote}{0}%
5793 \global\let\thanks\relax
5794 \global\let\maketitle\relax
5795 \global\let\@thanks\@empty
5796 \global\let\@author\@empty
5797 \global\let\@title\@empty
5798 \global\let\@date\@empty
5799 \global\let\title\relax
5800 \global\let\author\relax
5801 \global\let\date\relax
5802 \global\let\and\relax
5803 }

```

7.33 bookest-xetex-bidi.def

```

5804 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeT
5805 \def\@makechapterhead#1{%
5806     \vspace*{20\p@}
5807     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
5808         \ifnum \c@secnumdepth >\m@ne
5809             \if@mainmatter
5810                 {\colorA\huge\scshape \@chapapp\space \thechapter}
5811                 \par\nobreak
5812                 \vskip 10\p@
5813             \fi
5814         \fi

```



```

5815 \interlinepenalty\@M
5816 {\colorB\hrule}
5817 \vskip 15\p@
5818 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
5819 {\colorA\Huge \bfseries #1}\par\nobreak
5820 \if@RTL\end{flushleft}\else\end{flushright}\fi
5821 \vskip 5\p@
5822 {\colorB\hrule}
5823 \vskip 30\p@
5824 }}
5825 \def\@makeschapterhead#1{%
5826 \vspace*{20\p@}
5827 {\parindent \z@ \raggedright \normalfont
5828 {\colorB\hrule}
5829 \vskip 15\p@
5830 \begin{center}
5831 {\colorA\Huge \bfseries #1}\par\nobreak
5832 \end{center}
5833 \vskip 5\p@
5834 {\colorB\hrule}
5835 \vskip 30\p@
5836 }}

```

7.34 book-xetex-bidi.def

```

5837 \ProvidesFile{book-xetex-bidi.def}[2011/08/26 v0.8 bidi adaptations for standard book class for ]
5838 \renewenvironment{theindex}
5839 {\if@twocolumn
5840 \@restonecolfalse
5841 \else
5842 \@restonecoltrue
5843 \fi
5844 \columnseprule \z@
5845 \columnsep 35\p@
5846 \twocolumn[\@makeschapterhead{\indexname}]}%
5847 \mkboth{\MakeUppercase\indexname}%
5848 {\MakeUppercase\indexname}%
5849 \thispagestyle{plain}\parindent\z@
5850 \parskip\z@ \@plus .3\p@\relax
5851 \let\item\@idxitem}
5852 {\if@restonecol\onecolumn\else\clearpage\fi}
5853 \@ifclassloaded{bookest}{\}{\%
5854 \if@titlepage
5855 \renewcommand\maketitle{\begin{titlepage}%
5856 \let\footnotesize\small
5857 \let\right@footnoterule\relax
5858 \let\left@footnoterule\relax
5859 \let\textwidth\footnoterule\relax
5860 \let \footnote \thanks
5861 \let \LTRfootnote \LTRthanks

```



```

5862 \let \RTLfootnote \RTLthanks
5863 \null\vfil
5864 \vskip 60\p@
5865 \begin{center}%
5866   {\LARGE \@title \par}%
5867   \vskip 3em%
5868   {\large
5869     \lineskip .75em%
5870     \begin{tabular}[t]{c}%
5871       \@author
5872     \end{tabular}\par}%
5873   \vskip 1.5em%
5874   {\large \@date \par}%           % Set date in \large size.
5875 \end{center}\par
5876 \@thanks
5877 \vfil\null
5878 \end{titlepage}%
5879 \setcounter{footnote}{0}%
5880 \global\let\thanks\relax
5881 \global\let\LTRthanks\relax
5882 \global\let\RTLthanks\relax
5883 \global\let\maketitle\relax
5884 \global\let\@thanks\@empty
5885 \global\let\@author\@empty
5886 \global\let\@date\@empty
5887 \global\let\@title\@empty
5888 \global\let\title\relax
5889 \global\let\author\relax
5890 \global\let\date\relax
5891 \global\let\and\relax
5892 }
5893 \else
5894 \renewcommand\maketitle{\par
5895   \begingroup
5896     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
5897     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
5898     \long\def\@makefntext##1{\parindent 1em\noindent
5899       \hb@xt@1.8em{%
5900         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
5901     \if@twocolumn
5902       \ifnum \col@number=\@ne
5903         \@maketitle
5904       \else
5905         \twocolumn[\@maketitle]%
5906       \fi
5907     \else
5908       \newpage
5909       \global\@topnum\z@      % Prevents figures from going at top of page.
5910       \@maketitle
5911     \fi

```



```

5912 \thispagestyle{plain}\@thanks
5913 \endgroup
5914 \setcounter{footnote}{0}%
5915 \global\let\thanks\relax
5916 \global\let\LTRthanks\relax
5917 \global\let\RTLthanks\relax
5918 \global\let\maketitle\relax
5919 \global\let\@maketitle\relax
5920 \global\let\@thanks\@empty
5921 \global\let\@author\@empty
5922 \global\let\@date\@empty
5923 \global\let\@title\@empty
5924 \global\let\title\relax
5925 \global\let\author\relax
5926 \global\let\date\relax
5927 \global\let\and\relax
5928 }
5929 \def\@maketitle{%
5930 \newpage
5931 \null
5932 \vskip 2em%
5933 \begin{center}%
5934 \let \footnote \thanks
5935 \let \LTRfootnote \LTRthanks
5936 \let \RTLfootnote \RTLthanks
5937 {\LARGE \@title \par}%
5938 \vskip 1.5em%
5939 {\large
5940 \lineskip .5em%
5941 \begin{tabular}[t]{c}%
5942 \@author
5943 \end{tabular}\par}%
5944 \vskip 1em%
5945 {\large \@date}%
5946 \end{center}%
5947 \par
5948 \vskip 1.5em}
5949 \fi}
5950 \renewcommand*{\l@part[2]{%
5951 \ifnum \c@tocdepth >-2\relax
5952 \addpenalty{-\@highpenalty}%
5953 \addvspace{2.25em \@plus\p@}%
5954 \setlength\@tempdima{3em}%
5955 \begingroup
5956 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
5957 \parfillskip -\@pnumwidth
5958 {\leavevmode
5959 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5960 \nobreak
5961 \global\@nobreaktrue

```



```

5962         \everypar{\global\@nbreakfalse\everypar{}}%
5963     \endgroup
5964 \fi}
5965 \renewcommand*{\l@chapter[2]{%
5966     \ifnum \c@tocdepth >\m@ne
5967         \addpenalty{-\@highpenalty}%
5968         \vskip 1.0em \@plus\p@
5969         \setlength\@tempdima{1.5em}%
5970         \begingroup
5971             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5972             \parfillskip -\@pnumwidth
5973             \leavevmode \bfseries
5974             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5975             \hskip -\if@RTL\rightskip\else\leftskip\fi
5976             #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5977             \penalty\@highpenalty
5978         \endgroup
5979 \fi}
5980 \renewcommand\left@footnoterule{%
5981     \kern-3\p@
5982     \hrule\@width.4\columnwidth
5983     \kern2.6\p@}
5984 \renewcommand\right@footnoterule{%
5985     \hbox to \columnwidth
5986     {\beginR \vbox{%
5987         \kern-3\p@
5988         \hrule\@width.4\columnwidth
5989         \kern2.6\p@}\hfil\endR}}
5990 \renewcommand\theequation
5991     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
5992 \renewcommand \thefigure
5993     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
5994 \renewcommand \thetable
5995     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
5996 \renewcommand \thechapter {\@arabic\c@chapter}
5997 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
5998 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
5999 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6000 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6001 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6002 \def\@makechapterhead#1{%
6003     \vspace*{50\p@}%
6004     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6005         \ifnum \c@secnumdepth >\m@ne
6006             \if@mainmatter
6007                 \huge\bfseries \@chapapp\space \thechapter
6008                 \par\nobreak
6009                 \vskip 20\p@
6010             \fi
6011         \fi}

```



```

6012 \interlinepenalty\@M
6013 \Huge \bfseries #1\par\nobreak
6014 \vskip 40\p@
6015 }}
6016 \def\@makeschapterhead#1{%
6017 \vspace*{50\p@}%
6018 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6019 \normalfont
6020 \interlinepenalty\@M
6021 \Huge \bfseries #1\par\nobreak
6022 \vskip 40\p@
6023 }}
6024 \renewcommand\backmatter{%
6025 \if@openright
6026 \cleardoublepage
6027 \else
6028 \clearpage
6029 \fi
6030 \@mainmatterfalse}
6031 \renewenvironment{thebibliography}[1]
6032 {\chapter*{\bibname}%
6033 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6034 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6035 \list{\@biblabel{\@arabic\c@enumiv}}%
6036 {\settowidth\labelwidth{\@biblabel{#1}}%
6037 \leftmargin\labelwidth
6038 \advance\leftmargin\labelsep
6039 \@openbib@code
6040 \usecounter{enumiv}%
6041 \let\p@enumiv\@empty
6042 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6043 \sloppy
6044 \clubpenalty4000
6045 \@clubpenalty \clubpenalty
6046 \widowpenalty4000%
6047 \sfcode`. \@m}
6048 {\def\@noitemerr
6049 {\@latex@warning{Empty `thebibliography' environment}}%
6050 \endlist}

```

7.35 breqn-xetex-bidi.def

```

6051 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for XeTeX]
6052 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6053 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6054 \if@noskipsec \leavevmode \fi
6055 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6056 \if\eq@group\else\eq@prelim\fi
6057 \setkeys{breqn}{#1}%
6058 \the\eqstyle

```



```

6059 \eq@setnumber
6060 \begingroup
6061 \eq@setup@a
6062 \eq@startup
6063 }
6064 \def\@dgroup[#1]{\ifRTL\@RTLfalse\fi%
6065 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6066 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6067 \global\let\GRP@label\@empty
6068 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6069 \global\grp@linewidth\z@\global\grp@wdNum\z@
6070 \global\let\grp@eqs@numbered\@False
6071 \global\let\grp@aligned\@True
6072 \global\let\grp@shiftnumber\@False
6073 \eq@prelim
6074 \setkeys{breqn}{#1}%
6075 \if\grp@hasNumber \grp@setnumber \fi
6076 }
6077 \def\@dseries[#1]{\ifRTL\@RTLfalse\fi%
6078 \let\display@setup\dseries@display@setup
6079 % Question: should this be the default for dseries???
6080 \global\eq@wdCond\z@
6081 \@dmath[layout={M},#1]%
6082 \mathsurround\z@\@math \penalty\@Mi
6083 \let\endmath\ends@math
6084 \def\premath{%
6085 \ifdim\lastskip<.3em \unskip
6086 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6087 }%
6088 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6089 \ignorespaces
6090 }
6091 \def\eqnumform#1{\if@Latin\else\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@Latin\else\endR\fi}
6092 \renewenvironment{dsuspend}{%
6093 \global\setbox\EQ@box\vbox\bgroup\if@Latin\else\@RTLtrue\fi \@parboxrestore
6094 \parshape 1 \displayindent \displaywidth\relax
6095 \hsize=\columnwidth \noindent\ignorespaces
6096 }{%
6097 \par\egroup
6098 \global\setbox\GRP@box\vbox{%
6099 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}}%
6100 \unvbox\GRP@box
6101 }%
6102 \global\GRP@queue\exp{\the\GRP@queue
6103 \elt{\let\eq@isIntertext\@True}}%
6104 }%
6105 }

```

7.36 cals-xetex-bidi.def




```

6106 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX e
6107 \renewenvironment{calstable}[1][c]{%
6108 \if@RTL\@RTLtabtrue\cals@activate@rtl\fi
6109 \if l#1%
6110 \if@RTLtab\leftskip\fill \rightskip\z@ \else\leftskip\z@ \rightskip\fill\fi
6111 \else\if r#1%
6112 \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
6113 \else\if c#1%
6114 \leftskip\fill \rightskip\fill
6115 \fi\fi\fi
6116 \let\cals@thead@tokens=\relax
6117 \let\cals@tfoot@tokens=\relax
6118 \let\cals@tbreak@tokens=\relax
6119 \cals@tfoot@height=0pt \relax
6120 \let\cals@last@context=n%
6121 \let\cals@current@context=b%
6122 \parindent=0pt %
6123 \cals@setpadding{Ag}\cals@setcellprevdepth{A1}\cals@set@tohsize%
6124 %% Alignment inside is independent on center/flushright outside
6125 \parfillskip=0pt plus1fil\relax
6126 \let\cals@borderL=\relax
6127 \let\cals@borderR=\relax
6128 \let\cals@borderT=\relax
6129 \let\cals@borderB=\relax
6130 }{% End of the table
6131 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
6132
6133 \renewcommand\alignL{%
6134 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fill\else\cals@paddingL=\dimen0\
6135 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
6136
6137 \renewcommand\alignR{%
6138 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\
6139 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

7.37 caption-xetex-bidi.def

```

6140 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for X
6141 \let\@makecaption\caption@makecaption

```

7.38 caption3-xetex-bidi.def

```

6142 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6143 \renewcommand*\caption@par{%
6144 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

7.39 colortbl-xetex-bidi.def

```

6145 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6146 \def\CT@setup{%
6147 \@tempdimb\col@sep
6148 \@tempdimc\col@sep

```



```

6149 \def\CT@color{%
6150   \global\let\CT@do@color\CT@@do@color
6151   \bidicolor}}
6152 \def\@classz{\@classx
6153   \@tempcnta \count@
6154   \prepnext@tok
6155 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6156 \@addtopreamble{\if@RTLtab\beginL\fi%
6157   \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6158   \ifcase \@chnum
6159     \hskip\stretch{.5}\kern\z@
6160     \dollarbegin
6161     \insert@column
6162     \dollarend\hskip\stretch{.5}\or
6163     \dollarbegin \insert@column \dollarend \hfill \or
6164     \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
6165     $\vcenter
6166     \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6167     \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6168     \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6169   \fi
6170 \if@RTLtab\endR\fi\egroup\egroup
6171 \begingroup
6172 \CT@setup
6173 \CT@column@color
6174 \CT@row@color
6175 \CT@cell@color
6176 \CT@do@color
6177 \endgroup
6178   \@tempdima\ht\z@
6179   \advance\@tempdima\minrowclearance
6180   \vrule\@height\@tempdima\@width\z@
6181   \unhbox\z@\if@RTLtab\endL\fi}%
6182 \prepnext@tok}

```

7.40 color-xetex-bidi.def

```

6183 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX]
6184 \long\def\color@b@x#1#2#3{%
6185   \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6186   \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi\kern\fbboxsep}%
6187   \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6188   \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6189   {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6190     \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
6191 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6192 \DeclareRobustCommand\color{%
6193   \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]
6194   \def\@declaredcolor#1{%
6195     \ifundefined{string@color @#1}%

```



```

6196 {\c@lor@error{`#1'}}}%
6197 {\expandafter\let\expandafter\current@color
6198 \csname\string\color @#1\endcsname
6199 \set@color}%
6200 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6201 \def\@undeclaredcolor[#1]#2{%
6202 \ifundefined{color@#1}%
6203 {\c@lor@error{model `#1'}}}%
6204 {\csname color@#1\endcsname\current@color{#2}%
6205 \set@color}%
6206 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6207 \DeclareRobustCommand\bidicolor{%
6208 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
6209 \def\@bidiundeclaredcolor[#1]#2{%
6210 \@ifundefined{color@#1}%
6211 {\c@lor@error{model `#1'}}}%
6212 {\csname color@#1\endcsname\current@color{#2}%
6213 \set@color}%
6214 \ignorespaces}
6215 \def\@bidideclaredcolor#1{%
6216 \@ifundefined{\string\color @#1}%
6217 {\c@lor@error{`#1'}}}%
6218 {\expandafter\let\expandafter\current@color
6219 \csname\string\color @#1\endcsname
6220 \set@color}%
6221 \ignorespaces}
6222 \def\color@b@x#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6223 \def\color@f@x#1#2#3{%
6224 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6225 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.41 combine-xetex-bidi.def

```

6226 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeT
6227 \renewcommand{\c@ll@chapsecii}[2]{%
6228 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6229 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6230 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6231 }
6232 \renewcommand{\c@ll@chapseci}{%
6233 \setlength\@tempdima{0em}%
6234 \begingroup
6235 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6236 \parfillskip -\@pnumwidth
6237 \leavevmode
6238 }
6239 \renewenvironment{tocindent}[1]{%
6240 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

7.42 crop-xetex-bidi.def



```

6241 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX e
6242 \renewcommand*\CROP@ulc{%
6243   \if@RTLmain%
6244     \begin{picture}(0,0)
6245       \unitlength\p@\thinlines
6246       \put(-40,0){\circle{10}}
6247       \put(-30,-5){\line(0,1){10}}
6248       \put(-35,0){\line(1,0){30}}
6249       \put(-10,30){\circle{10}}
6250       \put(-5,30){\line(1,0){10}}
6251       \put(0,35){\line(0,-1){30}}
6252     \end{picture}%
6253   \else%
6254     \begin{picture}(0,0)
6255       \unitlength\p@\thinlines
6256       \put(-30,0){\circle{10}}
6257       \put(-30,-5){\line(0,1){10}}
6258       \put(-35,0){\line(1,0){30}}
6259       \put(0,30){\circle{10}}
6260       \put(-5,30){\line(1,0){10}}
6261       \put(0,35){\line(0,-1){30}}
6262     \end{picture}%
6263   \fi%
6264 }
6265 \renewcommand*\CROP@urc{%
6266   \if@RTLmain%
6267     \begin{picture}(0,0)
6268       \unitlength\p@\thinlines
6269       \put(20,0){\circle{10}}
6270       \put(30,-5){\line(0,1){10}}
6271       \put(35,0){\line(-1,0){30}}
6272       \put(-10,30){\circle{10}}
6273       \put(-5,30){\line(1,0){10}}
6274       \put(0,35){\line(0,-1){30}}
6275     \end{picture}%
6276   \else%
6277     \begin{picture}(0,0)
6278       \unitlength\p@\thinlines
6279       \put(30,0){\circle{10}}
6280       \put(30,-5){\line(0,1){10}}
6281       \put(35,0){\line(-1,0){30}}
6282       \put(0,30){\circle{10}}
6283       \put(-5,30){\line(1,0){10}}
6284       \put(0,35){\line(0,-1){30}}
6285     \end{picture}%
6286   \fi%
6287 }
6288 \renewcommand*\CROP@llc{%
6289   \if@RTLmain%
6290     \begin{picture}(0,0)

```



```

6291         \unitlength\p@\thinlines
6292         \put(-40,0){\circle{10}}
6293         \put(-30,-5){\line(0,1){10}}
6294         \put(-35,0){\line(1,0){30}}
6295         \put(-10,-30){\circle{10}}
6296         \put(-5,-30){\line(1,0){10}}
6297         \put(0,-35){\line(0,1){30}}
6298     \end{picture}%
6299 \else%
6300     \begin{picture}(0,0)
6301         \unitlength\p@\thinlines
6302         \put(-30,0){\circle{10}}
6303         \put(-30,-5){\line(0,1){10}}
6304         \put(-35,0){\line(1,0){30}}
6305         \put(0,-30){\circle{10}}
6306         \put(-5,-30){\line(1,0){10}}
6307         \put(0,-35){\line(0,1){30}}
6308     \end{picture}%
6309 \fi%
6310 }
6311 \renewcommand*\CROP@lrc{%
6312     \if@RTLmain%
6313         \begin{picture}(0,0)
6314             \unitlength\p@\thinlines
6315             \put(20,0){\circle{10}}
6316             \put(30,-5){\line(0,1){10}}
6317             \put(35,0){\line(-1,0){30}}
6318             \put(-10,-30){\circle{10}}
6319             \put(-5,-30){\line(1,0){10}}
6320             \put(0,-35){\line(0,1){30}}
6321         \end{picture}%
6322     \else%
6323         \begin{picture}(0,0)
6324             \unitlength\p@\thinlines
6325             \put(30,0){\circle{10}}
6326             \put(30,-5){\line(0,1){10}}
6327             \put(35,0){\line(-1,0){30}}
6328             \put(0,-30){\circle{10}}
6329             \put(-5,-30){\line(1,0){10}}
6330             \put(0,-35){\line(0,1){30}}
6331         \end{picture}%
6332     \fi%
6333 }
6334 \ifpackagewith{crop}{cam}{%
6335 \CROP@execopt{cam}%
6336 }{}

```

7.43 cutwin-xetex-bidi.def

6337 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeT



```

6338 \renewcommand*{\c@twcompctr}[2]{%
6339   \def\c@twfirst{1}
6340   \loop\advance\c@twwinlines\m@ne
6341   \setbox\c@twslicea=\vsplit#1 to\baselineskip
6342   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6343   \c@twprune{\c@twslicea}{\c@twlftside}%
6344   \c@twprune{\c@twsliceb}{\c@twrtside}%
6345   \ifnum\c@twfirst=\@ne
6346     \setbox#2=\vbox{\unvbox#2\hbox
6347       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twsl
6348     \else
6349       \setbox#2=\vbox{\unvbox#2\hbox
6350       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
6351     \fi
6352   \def\c@twfirst{2}
6353   \ifnum\c@twwinlines>\z@\repeat}
6354 \renewcommand*{\c@twcompodctr}[2]{%
6355   \def\c@twrounds{1}
6356   \def\c@twfirst{1}
6357   \@for\c@twlspec:=\c@twb\do{%
6358     \ifnum\c@twrounds=1
6359       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6360       \c@twprune{\c@twslicea}{\c@twlspec}%
6361       \def\c@twrounds{2}
6362     \else
6363       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6364       \c@twprune{\c@twsliceb}{\c@twlspec}%
6365       \ifnum\c@twfirst=1
6366         \setbox#2=\vbox{\unvbox#2\hbox
6367         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box
6368         \def\c@twfirst{2}
6369       \else
6370         \setbox#2=\vbox{\unvbox#2\hbox
6371         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
6372       \fi
6373       \def\c@twrounds{1}
6374     \fi}}

```

7.44 cuted-xetex-bidi.def

```

6375 \ProvidesFile{cuted-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for cuted package for XeTeX
6376 \def\RTL@outputdblcol{%
6377   \if@firstcolumn \global\@firstcolumnfalse
6378   \global\setbox\@leftcolumn \box\@outputbox
6379   \else
6380     \global\@firstcolumntrue
6381     \setbox\@outputbox \vbox {\hbox to\textwidth {%
6382       \hskip \columnwidth
6383       \hfil \vrule width\columnseprule \hfil
6384       \hbox to\columnwidth {\box\@leftcolumn \hss}%

```



```

6385 \hskip -\textwidth
6386 \hbox to\columnwidth{\box\@outputbox \hss}%
6387 \hskip \columnsep
6388 \hskip \columnwidth }}%
6389 \ifvoid\hold@viper
6390 \else
6391 \setbox\@outputbox \vbox to\textheight{%
6392 \box\hold@viper
6393 \box\@outputbox
6394 \vss
6395 }%
6396 \fi
6397 \@combinedblfloats \@outputpage
6398 \begingroup \@dblfloatplacement \@startdblcolumn
6399 \@whilesw\if@fcolmade \fi
6400 {\@outputpage \@startdblcolumn }%
6401 \ifvoid\@viper
6402 \else
6403 \global\setbox\@viper\vbox{%
6404 \vskip-\stripsep
6405 \unvbox\@viper
6406 }%
6407 \@viperoutput
6408 \fi
6409 \endgroup
6410 \fi}
6411 \def\LTR@outputdblcol{%
6412 \if@firstcolumn
6413 \global \@firstcolumnfalse
6414 \global \setbox\@leftcolumn \box\@outputbox
6415 \else
6416 \global \@firstcolumntrue
6417 \setbox\@outputbox \vbox {%
6418 \hb@xt@\textwidth {%
6419 \hb@xt@\columnwidth {%
6420 \box\@leftcolumn \hss}%
6421 \hfil
6422 \vrule \@width\columnseprule
6423 \hfil
6424 \hb@xt@\columnwidth {%
6425 \box\@outputbox \hss}%
6426 }%
6427 }%
6428 \ifvoid\hold@viper
6429 \else
6430 \setbox\@outputbox \vbox to\textheight{%
6431 \box\hold@viper
6432 \box\@outputbox
6433 \vss
6434 }%

```



```

6435 \fi
6436 \@combinedblfloats
6437 \@outputpage
6438 \beginingroup
6439 \@dblfloatplacement
6440 \@startdblcolumn
6441 \@whilesw\if@fcolmade \fi
6442 {\@outputpage
6443 \@startdblcolumn}%
6444 \ifvoid\@viper
6445 \else
6446 \global\setbox\@viper\vbox{%
6447 \vskip-\stripsep
6448 \unvbox\@viper
6449 }%
6450 \@viperoutput
6451 \fi
6452 \endgroup
6453 \fi
6454 }
6455 \def \@addviper {%
6456 \if@firstcolumn
6457 \@insertfalse
6458 \@reqcolroom .5\@pageht
6459 \ht@viper\@reqcolroom
6460 \advance \@reqcolroom \ht\@viper
6461 \advance \@reqcolroom \stripsep
6462 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
6463 %%
6464 \@tempdimb \ht@viper
6465 \loop
6466 \setbox\v@aaa\copy\@holdpg
6467 \setbox\v@ccc\vbox to\@tempdimb{%
6468 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
6469 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6470 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6471 \loop
6472 \setbox\v@aaa\copy\@holdpg
6473 \setbox\v@ccc\vbox to\@tempdimb{%
6474 \vsplit\v@aaa to\@tempdimb\vss}%
6475 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
6476 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
6477 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6478 \setbox\v@ccc\vbox to\@tempdimb{%
6479 \vsplit\@holdpg to\@tempdimb\vss}%
6480 %%
6481 \setbox\@tempboxa \vbox {%
6482 \hb@xt@\textwidth {%
6483 \if@RTLmain%
6484 \hskip \columnwidth

```




```

6485 \hfil \vrule width\columnseprule \hfil
6486 \hb@xt@\columnwidth {%
6487 \vbox to\ht@viper{\box\vccc\vss} \hss}%
6488 \hskip -\textwidth
6489 \hb@xt@\columnwidth {%
6490 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6491 \hskip \columnsep
6492 \hskip \columnwidth
6493 \else%
6494 \hb@xt@\columnwidth {%
6495 \vbox to\ht@viper{\box\vccc\vss} \hss}%
6496 \hfil
6497 \vrule \@width\columnseprule
6498 \hfil
6499 \hb@xt@\columnwidth {%
6500 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6501 \fi}%
6502 }%
6503 \ifvoid\hold@viper
6504 \global\setbox\hold@viper \vbox {%
6505 \unvbox\@tempboxa
6506 \penalty\interlinepenalty
6507 \vskip\stripsep
6508 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6509 \outputpenalty \z@
6510 }%
6511 \else
6512 \global\setbox\hold@viper \vbox {%
6513 \unvbox\hold@viper
6514 \unvbox\@tempboxa
6515 \penalty\interlinepenalty
6516 \vskip\stripsep
6517 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6518 \outputpenalty \z@
6519 }%
6520 \fi
6521 \ifdim \@colroom>\@reqcolroom
6522 \global\setbox\hold@viper \vbox {%
6523 \unvbox\hold@viper
6524 \box\@viper
6525 \penalty\interlinepenalty
6526 \vskip\stripsep
6527 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6528 \outputpenalty \z@
6529 }%
6530 \@inserttrue
6531 \advance\@tempdima by-\ht\hold@viper
6532 \global \advance \@colht \@tempdima
6533 \ifdim \@colht<2.5\baselineskip
6534 \@latex@warning@no@line {Optional argument of \noexpand\twocolumn

```



```

6535         too tall on page \thepage (1 stulpelis))%
6536         \@emptycol
6537         \if@firstcolumn
6538         \else
6539             \@emptycol
6540         \fi
6541         \global\@lastvipertrue
6542     \else
6543         \global \vsize \@colht
6544         \global \@colroom \@colht
6545         \check@floats
6546         \ifdim\@tempdima>\z@
6547             \global\advance\@colroom by-\@tempdima
6548         \fi
6549         \ifdim\@colroom<\z@
6550             \global\@colroom 1pt
6551             \ifdim\@tempdima>\@colht
6552                 \latex@warning@no@line {TOP ir/ar BOT FLOAT's
6553                     netelpa lape \thepage (1 stulpelis))}%
6554             \fi
6555             \@emptycol
6556             \if@firstcolumn
6557             \else
6558                 \@emptycol
6559             \fi
6560             \global\@lastvipertrue
6561         \fi
6562     \fi
6563 \fi
6564 \else
6565     \@insertfalse
6566     \@reqcolroom\@colht
6567     \advance\@reqcolroom \@pageht
6568     \ht@viper.5\@reqcolroom
6569     \@reqcolroom\ht@viper
6570     \advance \@reqcolroom \ht@viper
6571     \advance \@reqcolroom \stripsep
6572     \if@flushend@auto@baselineskip
6573         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
6574             \global\lastskip@d\lastskip
6575             \global\lastskip@b\lastskip
6576         \loop
6577             \global\lastskip@a\lastskip@b
6578             \unskip\unpenalty
6579             \global\lastskip@b\lastskip
6580             \global\advance\lastskip@d by\lastskip
6581         \ifdim\lastskip@b=-\lastskip@a
6582             \global\advance\lastskip@d by-\lastskip
6583         \else
6584             \repeat

```



```

6585         \ifdim\lastskip@b=-\lastskip@a
6586         \ifdim\lastskip@b=\z@
6587             \setbox\lastbox@a\lastbox
6588             \global\advance\lastskip@d by\ht\lastbox@a
6589             \global\advance\lastskip@d by\lastskip
6590             \unskip\unpenalty
6591             \setbox\lastbox@a\lastbox
6592             \global\advance\lastskip@d by\dp\lastbox@a
6593         \else
6594             \global\lastskip@d\lastskip
6595             \global\advance\lastskip@d by\topskip
6596         \fi
6597     \fi
6598     \global\advance\lastskip@d by-\topskip
6599 }%
6600 \ifdim\ht\@holdpg>\@colht
6601 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
6602     \par\eject
6603     \vbox to \@colht{\unvbox\@holdpg\unskip}}%
6604 }%
6605 \else
6606     \global\setbox\@holdpg\vbox{%
6607         \unvbox\@leftcolumn\unskip\unpenalty
6608         \vskip\lastskip@d
6609         \the\At@ViperColsBreak
6610         \unvbox\@holdpg
6611         \unskip
6612     }%
6613 \fi
6614 \else
6615     \global\setbox\@holdpg\vbox{%
6616         \unvbox\@leftcolumn
6617         \setbox\@tempboxa\lastbox
6618         \on@stripcols@break
6619         \the\At@ViperColsBreak
6620         \unvbox\@holdpg
6621     }%
6622 \fi
6623 \global\At@ViperColsBreak{}%
6624 \ht@viper .5\ht\@holdpg
6625 \ifdim \ht@viper>\@colht
6626     \ht@viper \@colht
6627 \fi
6628 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
6629 %%
6630 \@tempdimb \ht@viper
6631 \loop
6632     \setbox\v@aaa\copy\@holdpg
6633     \setbox\v@ccc\vbox to\@tempdimb{%
6634         \vsplit\v@aaa to\@tempdimb

```



```

6635         \vss
6636         \vsplit\v@aaa to\@tempdimb
6637         }%
6638         \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6639     \ifvoid\v@aaa
6640     \else
6641         \advance\@tempdimb 1\p@
6642     \repeat
6643     \loop
6644         \setbox\v@aaa\copy\@holdpg
6645         \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
6646         \wlog{(2)Left:\the\ht\v@ccc\space
6647             Right:\the\ht\v@aaa\space
6648             Output:\the\@tempdimb
6649             }%
6650     \ifdim\ht\v@ccc<\ht\v@aaa
6651         \@tempdimb \the\ht\v@aaa
6652     \repeat
6653     \wlog{- LAST -^^JLeft:\the\ht\v@ccc
6654             ^^JRight:\the\ht\v@aaa
6655             ^^JOutput:\the\@tempdimb
6656             }%
6657     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
6658     \setbox\@tempboxa\vbox{%
6659         \hb@xt@\textwidth {%
6660             \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6661             \hfil
6662             \vrule \@width\columnseprule
6663             \hfil
6664             \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6665             }%
6666     }%
6667     \ifvoid\hold@viper
6668         \global\setbox\hold@viper \vbox {%
6669             \unvbox\@tempboxa
6670             \penalty\interlinepenalty
6671             \vskip\stripsep
6672             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6673             \outputpenalty \z@
6674             }%
6675     \else
6676         \global\setbox\hold@viper \vbox {%
6677             \unvbox\hold@viper
6678             \unvbox\@tempboxa
6679             \penalty\interlinepenalty
6680             \vskip\stripsep
6681             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6682             \outputpenalty \z@
6683             }%
6684     \fi

```



```

6685 \ifdim \@colht>\@reqcolroom
6686 \global\setbox\hold@viper \vbox {%
6687 \unvbox\hold@viper
6688 \box\@viper
6689 \penalty\interlinepenalty
6690 \vskip\stripsep
6691 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6692 \outputpenalty \z@
6693 }%
6694 \@inserttrue
6695 \global\@firstcolumntrue
6696 \advance\@tempdima by-\ht\hold@viper
6697 \global \advance \@colht \@tempdima
6698 \ifdim \@colht<2.5\baselineskip
6699 \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6700 too tall on page \thepage (2 stulpelis)}}%
6701 \emptycol
6702 \if@firstcolumn
6703 \else
6704 \emptycol
6705 \fi
6706 \global\@lastvipertrue
6707 \else
6708 \global \vsize \@colht
6709 \global \@colroom \@colht
6710 \check@floats
6711 \ifdim\@tempdima>\z@
6712 \global\advance\@colroom by-\@tempdima
6713 \fi
6714 \ifdim\@colroom<\z@
6715 \global\@colroom 1pt
6716 \ifdim\@tempdima>\colht
6717 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6718 netelpla lape \thepage (2 stulpelis)}}%
6719 \fi
6720 \emptycol
6721 \if@firstcolumn
6722 \else
6723 \emptycol
6724 \fi
6725 \global\@lastvipertrue
6726 \fi
6727 \fi
6728 \fi
6729 \if@insert
6730 \else
6731 \advance\@tempdima by-\ht\hold@viper
6732 \global \advance \@colht \@tempdima
6733 \global\setbox\hold@viper \vbox {%

```



```

6735                                     \unvbox\hold@viper
6736                                     \csname viper@top@hook\endcsname
6737                                     \vsplit\@viper to \@colht
6738                                     \vss
6739                                     }%
6740     \vbox{}%
6741     \global\@firstcolumnfalse
6742     \newpage
6743 \fi
6744 }

```

7.45 cvthemebidicasual.sty

```

6745 \NeedsTeXFormat{LaTeX2e}
6746 \ProvidesPackage{cvthemebidicasual}
6747 \DeclareOption{blue}{}
6748 \newif\if@colourorange\@colourorangefalse
6749 \DeclareOption{orange}{\@colourorange>true}
6750 \newif\if@colourgreen\@colourgreenfalse
6751 \DeclareOption{green}{\@colourgreentrue}
6752 \newif\if@colourred\@colourredfalse
6753 \DeclareOption{red}{\@colourred>true}
6754 \newif\if@colourgrey\@colourgreyfalse
6755 \DeclareOption{grey}{\@colourgrey>true}
6756 \DeclareOption*{
6757   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
6758 \ExecuteOptions{colour}
6759 \ProcessOptions\relax
6760 \renewcommand*{\listitemsymbol}{\textbullet}
6761 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
6762 \familynamecolour{808080}
6763 \firstnamecolour{A9A9A9}
6764 \quotecolour{696969}
6765 \addresscolour{696969}
6766 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
6767 \sectiontitlecolour{1E90FF}
6768 \subsectioncolour{4682B4}
6769 \definecolor{rulecolour}{gray}{0.6}
6770 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
6771 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
6772 \if@colourorange
6773   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6774   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6775   \sectiontitlecolour{FF8C00}
6776   \subsectioncolour{FF8C00}
6777   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
6778   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
6779 \if@colourgreen
6780   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6781   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}

```



```

6782 \sectiontitlecolour{008000}
6783 \subsectioncolour{008000}
6784 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
6785 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
6786 \if@coloured
6787 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6788 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6789 \sectiontitlecolour{FF0000}
6790 \subsectioncolour{FF0000}
6791 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
6792 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
6793 \if@colourgrey
6794 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6795 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6796 \sectiontitlecolour{808080}
6797 \subsectioncolour{808080}
6798 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
6799 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
6800 \renewcommand*{\ttdefault}{pcr}
6801 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
6802 \renewcommand*{\familynamefont}{\firstnamefont}
6803 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6804 \renewcommand*{\quoteontop}{\large\slshape}
6805 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6806 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6807 \renewcommand*{\maketitle}{%
6808   {%
6809     \ifthenelse{\isundefined{\@photo}}{%
6810       {}%
6811       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}}%
6812     \hfill%
6813     \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
6814     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
6815     \ifthenelse{\isundefined{\@quote}}{%
6816       {}%
6817       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em]}%
6818     }%
6819 \newif\if@firstfooterelement\@firstfooterelementtrue
6820 \providecommand*{\footersymbol}{%
6821 \renewcommand*{\footersymbol}{%
6822 \if@firstfooterelement%
6823 \else%
6824 {~~\color{footersymbolcolor}\textbullet~~}\fi}
6825 \providecommand*{\makefooter}{%
6826 \renewcommand*{\makefooter}{%
6827 \fancypagestyle{plain}{%
6828 \fancyfoot[c]{%
6829 \parbox{0.8\textwidth}{%
6830 \centering%
6831 \addressfont\@addresscolour%

```



```

6832     \ifthenelse{\isundefined{\@address}}{\}%
6833     \addresssymbol~\@address\\%
6834     \@firstfooterelementfalse}%
6835     \ifthenelse{\isundefined{\@mobile}}{\}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
6836     \ifthenelse{\isundefined{\@phone}}{\}{\footersymbol\phonesymbol~\@phone\@firstfooterelemen
6837     \ifthenelse{\isundefined{\@fax}}{\}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}
6838     \ifthenelse{\isundefined{\@email}}{\}{\footersymbol\emailsymbol~\email\@first
6839     \ifthenelse{\isundefined{\@extrainfo}}{\}{\footersymbol\@extrainfo\@firstfooterelementfals
6840 }%
6841 \pagestyle{plain}}
6842 \AtBeginDocument{\makefooter}

```

7.46 cvthemebidiclassic.sty

```

6843 \NeedsTeXFormat{LaTeX2e}
6844 \ProvidesPackage{cvthemebidiclassic}
6845 \DeclareOption{blue}{\}
6846 \newif\if@colourorange\@colourorangefalse
6847 \DeclareOption{orange}{\@colourorange>true}
6848 \newif\if@colourgreen\@colourgreenfalse
6849 \DeclareOption{green}{\@colourgreentrue}
6850 \newif\if@colourred\@colourredfalse
6851 \DeclareOption{red}{\@colourred>true}
6852 \newif\if@colourgrey\@colourgreyfalse
6853 \DeclareOption{grey}{\@colourgrey>true}
6854 \DeclareOption*{
6855   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
6856 \ExecuteOptions{colour}
6857 \ProcessOptions\relax
6858 \renewcommand*{\listitemsymbol}{\textbullet}
6859 \firstnamecolour{}
6860 \familynamecolour{}
6861 \titlecolour{808080}
6862 \quotecolour{696969}
6863 \addresscolour{696969}
6864 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
6865 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
6866 \sectiontitlecolour{1E90FF}
6867 \subsectioncolour{4682B4}
6868 \if@colourorange
6869   \addresscolour{FF8C00}
6870   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
6871   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
6872   \sectiontitlecolour{FF8C00}
6873   \subsectioncolour{FF8C00}\fi
6874 \if@colourgreen
6875   \addresscolour{008000}
6876   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6877   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6878   \sectiontitlecolour{008000}

```




```

6879 \subsectioncolour{008000}\fi
6880 \if@coloured
6881 \addresscolour{FF0000}
6882 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6883 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6884 \sectiontitlecolour{FF0000}
6885 \subsectioncolour{FF0000}\fi
6886 \if@colourgrey
6887 \addresscolour{808080}
6888 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6889 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6890 \sectiontitlecolour{808080}
6891 \subsectioncolour{808080}\fi
6892 \renewcommand*{\ttdefault}{pcr}
6893 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
6894 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
6895 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6896 \renewcommand*{\familynamefont}{\firstnamefont}
6897 \renewcommand*{\quoteftfont}{\large\slshape}
6898 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6899 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6900 \newlength{\maketitlenamemaxwidth}
6901 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
6902 \newlength{\maketitlenamefullwidth}
6903 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
6904 \newlength{\maketitlenamewidth}
6905 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}\fi
6906 \newlength{\maketitlepicturewidth}
6907 \setlength{\maketitlepicturewidth}{\@photowidth}
6908 \newlength{\maketitledetailwidth}
6909 \renewcommand*{\recomputethemelengths}{%
6910 \setlength{\maketitledetailwidth}{\textwidth}%
6911 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
6912 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
6913 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}%
6914 \recomputethemelengths}
6915 \newif\if@firstdetailselement\@firstdetailselementtrue
6916 \newcommand*{\maketitledetailsnewline}{%
6917 \if@firstdetailselement%
6918 \@firstdetailselementfalse%
6919 \else%
6920 \[\.2em]\fi}
6921 \renewcommand*{\maketitle}{%
6922 % name and title
6923 \begin{minipage}[b]{\maketitlenamewidth}%
6924 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
6925 \ifthenelse{\equal{\@title}{}}{\[\[1.25em]\titlestyle{\@title}}{}%
6926 \end{minipage}%
6927 % optional data
6928 \begin{minipage}[b]{\maketitledetailwidth}%

```



```

6929 \bidi@raggedleft\addressfont\@addresscolour%
6930 \ifthenelse{\isundefined{\@address}}{\}%
6931 \maketitledetailsnewline%
6932 \addresssymbol~\\@address}%
6933 \ifthenelse{\isundefined{\@mobile}}{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
6934 \ifthenelse{\isundefined{\@phone}}{\}\maketitledetailsnewline\phonesymbol~\@phone}%
6935 \ifthenelse{\isundefined{\@fax}}{\}\maketitledetailsnewline\faxsymbol~\@fax}%
6936 \ifthenelse{\isundefined{\@email}}{\}\maketitledetailsnewline\emailsymbol~\emailink{\@email}%
6937 \ifthenelse{\isundefined{\@extrainfo}}{\}\maketitledetailsnewline\@extrainfo}%
6938 \end{minipage}%
6939 % optional photo
6940 \ifthenelse{\isundefined{\@photo}}{\}%
6941 {}%
6942 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitledetailswidth]{\@photo}}}%
6943 % optional quote
6944 \ifthenelse{\isundefined{\@quote}}{\}%
6945 {}%
6946 {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}}\[2.5ex]{}%
6947 }

```

7.47 dblfnote-xetex-bidi.def

```

6948 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for xetex]
6949 \let\autofooterule\relax
6950 \let\rightfootnoterule\relax
6951 \let\leftfootnoterule\relax
6952 \let\textwidthfootnoterule\relax
6953 \let\LRfootnoterule\relax
6954 \def\footnoterule{\kern-3\p@
6955 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
6956 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}
6957 \let\@footnotetext\dfn@footnotetext}
6958 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
6959 \let\insert\dfn@gobble
6960 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
6961 \def\@makefnmark{\smash{\dfn@makefnmark}}
6962 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
6963 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
6964 \ifdim\dfn@dima>\z@else
6965 \dfn@dima1sp\relax
6966 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
6967 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
6968 \ifvoid\dfn@ins\else
6969 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
6970 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
6971 \setbox\dfn@boxa\copy\dfn@ins
6972 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6973 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
6974 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
6975 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%

```



```

6976 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
6977 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
6978 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
6979 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
6980 \let\insert\dfn@gobble
6981 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
6982 \def\@makefnmark{\smash{\dfn@makefnmark}}
6983 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
6984 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
6985 \ifdim\dfn@dima>z@\else
6986 \dfn@dima1sp\relax
6987 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
6988 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
6989 \ifvoid\dfn@ins\else
6990 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
6991 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
6992 \setbox\dfn@boxa\copy\dfn@ins
6993 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6994 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
6995 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
6996 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}}%
6997 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
6998 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
6999 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7000 \def\dfn@RTLmakecol{\ifvoid\footins\else
7001 \dfn@dima\ht\footins
7002 \@tempcnta\z@ \dfn@countins
7003 \@tempdima\z@ \let\@elt\dfn@elt@getht
7004 \dfn@list\@nil
7005 \ifdim\@tempdima=z@\else
7006 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7007 \global\setbox\dfn@ins\box\dfn@ins
7008 \@tempwattrue
7009 \ifdfn@trysingle
7010 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7011 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7012 \advance\@tempdima-\skip\footins
7013 \advance\@tempdima-\ht\dfn@boxa
7014 \ifdim\@tempdima<z@\else \@tempwafalse
7015 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7016 \footnoterule \unvbox\dfn@boxa}\fi\fi
7017 \if@tempswa
7018 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7019 \global\setbox\footins\vbox{\hbox{%
7020 \hskip \DFNcolumnwidth
7021 \hskip\DFNcolumnsep
7022 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7023 \unvbox\dfn@boxb\vss}\hss}
7024 \hskip -\textwidth
7025 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else

```



```

7026         \vbox to\@tempdima{
7027             \setbox\@tempboxa\vbox{\footnoterule}
7028             \ifdfn@ruleboth \unvbox\@tempboxa
7029             \else \@tempdima\ht\@tempboxa
7030                 \advance\@tempdima\dp\@tempboxa
7031                 \vskip\@tempdima
7032                 \prevdepth\dp\@tempboxa \fi
7033             \unvbox\dfn@boxa\vss}\fi\hss}
7034             \hskip \DFNcolumnsep
7035             \hskip \DFNcolumnwidth}}\fi\fi
7036 \global\dfn@fnht\z@
7037 \ifx\dfn@list\@empty\else
7038     \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7039     \dfn@list \global\advance\dfn@fnht\dfn@dimb
7040     \let\@elt\relax
7041     \ifdim\dfn@dimb>\z@
7042         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7043         \insert\footins{\floatingpenalty\@MM
7044             \vbox to\dfn@dimb{}}\fi
7045     \ifdim\dfn@fnht>\@tempdima
7046         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7047         \global\dfn@fnht\@tempdima
7048         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7049         \xdef\dfn@afteroutput{\insert\footins{
7050             \floatingpenalty\@MM
7051             \vbox to\number\@tempdimb sp{}}}%
7052         \global\let\noexpand\dfn@afteroutput\relax}%
7053     \fi\fi
7054 \fi}%
7055 \let\footnoterule\relax \dfn@latex@makecol
7056 \let\footnoterule\dfn@footnoterule}
7057 \def\dfn@LTRmakecol{\ifvoid\footins\else
7058     \dfn@dima\ht\footins
7059     \@tempcnta\z@ \dfn@countins
7060     \@tempdima\z@ \let\@elt\dfn@elt@getht
7061     \dfn@list\@nil
7062     \ifdim\@tempdima=\z@\else
7063         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7064         \global\setbox\dfn@ins\box\dfn@ins
7065         \@tempswatrue
7066         \ifdfn@trysingle
7067             \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7068             \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7069             \advance\@tempdima\skip\footins
7070             \advance\@tempdima-\ht\dfn@boxa
7071             \ifdim\@tempdima<\z@\else \@tempswafalse
7072                 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7073                     \footnoterule \unvbox\dfn@boxa}\fi\fi
7074         \if@tempswa
7075         \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep

```



```

7076 \global\setbox\footins\ vbox{\ hbox{%
7077 \ hbox to\DFNcolumnwidth{\ vbox to\@tempdima{\footnoterule
7078 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7079 \ hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7080 \ vbox to\@tempdima{
7081 \setbox\@tempboxa\ vbox{\footnoterule}
7082 \ifdfn@ruleboth \unvbox\@tempboxa
7083 \else \@tempdima\ht\@tempboxa
7084 \advance\@tempdima\dp\@tempboxa
7085 \vskip\@tempdima
7086 \prevdepth\dp\@tempboxa \fi
7087 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7088 \global\dfn@fnht\z@
7089 \ifx\dfn@list\@empty\else
7090 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7091 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7092 \let\@elt\relax
7093 \ifdim\dfn@dimb>\z@
7094 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7095 \insert\footins{\floatingpenalty\@MM
7096 \ vbox to\dfn@dimb{}}\fi
7097 \ifdim\dfn@fnht>\@tempdima
7098 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7099 \global\dfn@fnht\@tempdima
7100 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7101 \xdef\dfn@afteroutput{\insert\footins{
7102 \floatingpenalty\@MM
7103 \ vbox to\number\@tempdimb sp{}}}%
7104 \global\let\noexpand\dfn@afteroutput\relax}%
7105 \fi\fi
7106 \fi}%
7107 \let\footnoterule\relax \dfn@latex@makecol
7108 \let\footnoterule\dfn@footnoterule}
7109 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7110 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7111 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7112 \DFNalwaysdouble

```

7.48 draftwatermark-xetex-bidi.def

```

7113 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar
7114 \renewcommand\SetWatermarkText[1]{%
7115 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.49 eso-pic-xetex-bidi.def

```

7116 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for X
7117 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7118 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}%
7119
7120 \ESO@isMEMOIR{%

```



```

7121 \renewcommand\AtTextUpperLeft[1]{%
7122 \begingroup
7123 \ifodd\c@page
7124 \@tempdima=\spinemargin
7125 \else
7126 \@tempdima=\paperwidth
7127 \advance\@tempdima-\textwidth
7128 \advance\@tempdima-\spinemargin
7129 \fi
7130 \@tempdimb=-\uppermargin
7131 \AtPageUpperLeft{%
7132 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7133 }%
7134 \endgroup
7135 }
7136 }%
7137 \renewcommand\AtTextUpperLeft[1]{%
7138 \begingroup
7139 \@tempdima=1in\relax
7140 \ifodd\c@page
7141 \advance\@tempdima\oddsidemargin
7142 \else
7143 \advance\@tempdima\evensidemargin
7144 \fi
7145 \@tempdimb=-1in\relax
7146 \advance\@tempdimb-\topmargin
7147 \advance\@tempdimb-\headheight
7148 \advance\@tempdimb-\headsep
7149 \AtPageUpperLeft{%
7150 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7151 }%
7152 \endgroup
7153 }
7154 }

```

7.50 empheq-xetex-bidi.def

```

7155 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
7156 \MHInternalSyntaxOn
7157 \def\EQ_tag_plus_endmark:{%
7158 \iftagsleft@
7159 \gdef\maketag@@@#1{%
7160 \hfuzz\displaywidth
7161 \if@RTL\makebox[\widthof{#1}][r]{%
7162 \hbox to \displaywidth{\m@th\normalfont#1\hss
7163 \raisebox{-\dp\EQ_mathdisplay_box
7164 -\depthof{\EQ_outerbox:}}{
7165 {\PotEndMark{\hss}}}}
7166 \else\makebox[\widthof{#1}][l]{%
7167 \hbox to \displaywidth{\m@th\normalfont#1\hss

```



```

7168         \raisebox{-\dp\EQ_mathdisplay_box
7169             -\depthof{\EQ_outerbox: {}}}{
7170             {\PotEndMark{\hss}}}\fi}%
7171 \else:
7172 \gdef\maketag@@@##1{%
7173     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{
7174         \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
7175         \MH_addtolength:dn \@tempdima
7176         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7177         \setlength{\@tempdimb}
7178         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox: {}}
7179         +\depthof{\EQ_innerbox: {}}}}
7180     \if_dim:w \@tempdima>\@tempdimb
7181         \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7182         -\@tempdima+\g_EQ_bottomrow_depth_dim}
7183         \addtolength{\@tempdima}{\depthof{\EQ_innerbox: {}}}%
7184         \def\EQ_next:{\raisebox{\@tempdima}}%
7185     \else:
7186         \def\EQ_next:{
7187             \raisebox{-\dp\EQ_mathdisplay_box
7188             -\depthof{\EQ_outerbox: {}}}%
7189         \fi:\EQ_next:}}}%
7190 \fi:}
7191 \def\EQ_post_process:{%
7192 \EQ_initialize:
7193 \EQ_begin_equation:
7194 \MH_if_boolean:nT {outer_mult}{
7195     \setkeys{\MT_options_name:}{
7196         firstline-afterskip=0pt,
7197         lastline-preskip=0pt,
7198         multlined-width=0pt,
7199     }
7200     \ifodd \l_EQ_alignmentmode_int
7201         \setkeys{\MT_options_name:}{multlined-pos=b}
7202     \else:
7203         \setkeys{\MT_options_name:}{multlined-pos=t}
7204     \fi:
7205     \g@addto@macro\EQ_complete_mathdisplay:{
7206         \begin{MTmultlined}\relax}
7207 }
7208 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7209 \MH_if_boolean:nT {outer_mult}{
7210     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7211 }
7212 \EQ_end_equation:
7213 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7214 \savecounters@
7215 \EQ_typeset_tags:
7216 \edef\l_EQ_equation_fint{\number\c@equation}
7217 \restorecounters@

```



```

7218 \Hy@linkcounter=\EQ_hyperref_link_fint
7219 \settowidth\l_EQ_totalwidth_dim{%
7220   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
7221 \MH_if_boolean:nTF {outer_mult}
7222   { \def\EQ_next:{_mult} }
7223   { \def\EQ_next:{} }
7224 \@nameuse{EQ_modify_linewidth_
7225   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7226 \EQ_typeset_display:
7227 \@nameuse{find_displaywidth_
7228   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7229 \MH_addtolength:dn
7230 \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7231 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7232   $\EQ_left_side:
7233   \EQ_innerbox:{%
7234     \if_case:w \l_EQ_alignmentmode_int\or:
7235       \makebox[\l_EQ_displaywidth_dim][c]
7236       {\usebox{\EQ_mathdisplay_box}}%
7237     \or:
7238       \makebox[\l_EQ_displaywidth_dim][c]
7239       {\usebox{\EQ_mathdisplay_box}}%
7240     \or:
7241       \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7242         \if_num:w \l_EQ_equationtype_int=5 \else:
7243           \if_num:w \l_EQ_equationtype_int=6 \else:
7244             \kern-\@mathmargin
7245             \fi:
7246             \fi:
7247             \usebox{\EQ_mathdisplay_box}}%
7248         \else\makebox[\l_EQ_displaywidth_dim][l]{%
7249           \if_num:w \l_EQ_equationtype_int=5 \else:
7250             \if_num:w \l_EQ_equationtype_int=6 \else:
7251               \kern-\@mathmargin
7252               \fi:
7253               \fi:
7254               \usebox{\EQ_mathdisplay_box}}\fi%
7255         \or:
7256           \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7257             \if_num:w \l_EQ_equationtype_int=5 \else:
7258               \if_num:w \l_EQ_equationtype_int=6 \else:
7259                 \kern-\@mathmargin
7260                 \fi:
7261                 \fi:
7262                 \usebox{\EQ_mathdisplay_box}}
7263             \else\makebox[\l_EQ_displaywidth_dim][l]{%
7264               \if_num:w \l_EQ_equationtype_int=5 \else:
7265                 \if_num:w \l_EQ_equationtype_int=6 \else:
7266                   \kern-\@mathmargin
7267                   \fi:

```




```

7268         \fi:
7269         \usebox{\EQ_mathdisplay_box}}\fi%
7270     \fi:}%
7271     \EQ_right_side:$}%
7272 \begin{AmSequation*}
7273 \@nameuse{EQ_place_display_
7274         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7275 \if_dim:w \g_EQ_widesttag_dim>\z@
7276 \MH_set_boolean_T:n {show_manual_tags}
7277 \if_case:w \l_EQ_alignmentmode_int
7278 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
7279 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
7280 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7281 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
7282 \fi:
7283 \fi:
7284 \end{AmSequation*}
7285 \global\c@equation=\l_EQ_equation_fint\relax
7286 }
7287 \AtBeginDocument{%
7288 \@ifpackageloaded{fancybox}{%
7289 \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7290 {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
7291 \renewcommand*{\shadowbox{%
7292 \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
7293 \VerbBox\EQ_shadowbox:n}
7294 {\MH_set_boolean_F:n {shadowbox_star}
7295 \VerbBox\EQ_shadowbox:n}}
7296 \def\EQ_shadowbox:n #1{%
7297 \sbox{\z@}{\fbox{#1}}%
7298 \MH_if_boolean:nTF {shadowbox_star}{
7299 \MH_setlength:dn \@tempdima{\z@}%
7300 }{
7301 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
7302 }
7303 \raisebox{\@tempdima}{%
7304 \if@RTL\makebox[\z@][r]{%
7305 \kern\shadowsize \textcolor{shadowcolor}{%
7306 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7307 }%
7308 \else\makebox[\z@][l]{%
7309 \kern\shadowsize \textcolor{shadowcolor}{%
7310 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7311 }%
7312 \usebox\z@\textcolor{shadowcolor}{%
7313 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
7314 }{}%
7315 }
7316 \MHInternalSyntaxOff

```



7.51 extarticle-xetex-bidi.def

```

7317 \ProvidesFile{extarticle-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for extarticle class f
7318 \renewcommand*\l@section[2]{%
7319   \ifnum \c@tocdepth >\z@
7320     \addpenalty\@secpenalty
7321     \addvspace{1.0em \@plus\p@}%
7322     \setlength\@tempdima{1.5em}%
7323     \begingroup
7324       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7325       \parfillskip -\@pnumwidth
7326       \leavevmode \bfseries
7327       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
7328       \hskip -\if@RTL\rightskip\else\leftskip\fi
7329       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7330     \endgroup
7331   \fi}
7332 \renewcommand*\l@part[2]{%
7333   \ifnum \c@tocdepth >-2\relax
7334     \addpenalty\@secpenalty
7335     \addvspace{2.25em \@plus\p@}%
7336     \begingroup
7337       \setlength\@tempdima{3em}%
7338       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7339       \parfillskip -\@pnumwidth
7340       {\leavevmode
7341         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7342       \nobreak
7343     \endgroup
7344   \fi}
7345 \def\@part[#1]#2{%
7346   \ifnum \c@secnumdepth >\m@ne
7347     \refstepcounter{part}%
7348     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7349   \else
7350     \addcontentsline{toc}{part}{#1}%
7351   \fi
7352   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7353     \interlinepenalty \@M
7354     \normalfont
7355     \ifnum \c@secnumdepth >\m@ne
7356       \Large\bfseries \partname~\thepart
7357     \par\nobreak
7358     \fi
7359     \huge \bfseries #2%
7360     \markboth{}{}\par}%
7361   \nobreak
7362   \vskip 3ex
7363   \@afterheading}
7364 \def\@spart#1{%

```



```

7365 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7366 \interlinepenalty \@M
7367 \normalfont
7368 \huge \bfseries #1\par}%
7369 \nobreak
7370 \vskip 3ex
7371 \@afterheading}
7372 \renewenvironment{thebibliography}[1]
7373 {\section*{\refname
7374 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7375 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7376 \list{\@biblabel{\@arabic\c@enumiv}}%
7377 {\settowidth\labelwidth{\@biblabel{#1}}%
7378 \leftmargin\labelwidth
7379 \advance\leftmargin\labelsep
7380 \@openbib@code
7381 \usecounter{enumiv}%
7382 \let\p@enumiv\@empty
7383 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7384 \sloppy\clubpenalty4000\widowpenalty4000%
7385 \sfcode`.\@m}
7386 {\def\@noitemerr
7387 {\@latex@warning{Empty `thebibliography' environment}}%
7388 \endlist}
7389 \renewcommand\left@footnoterule{%
7390 \kern-3\p@
7391 \hrule\@width.4\columnwidth
7392 \kern2.6\p@}
7393 \renewcommand\right@footnoterule{%
7394 \hbox to \columnwidth
7395 {\beginR \vbox{%
7396 \kern-3\p@
7397 \hrule\@width.4\columnwidth
7398 \kern2.6\p@}\hfil\endR}}
7399 \if@titlepage
7400 \renewcommand\maketitle{\begin{titlepage}%
7401 \let\footnotesize\small
7402 \let\right@footnoterule\relax
7403 \let\left@footnoterule\relax
7404 \let\textwidth\footnoterule\relax
7405 \let \footnote \thanks
7406 \null\vfil
7407 \vskip 60\p@
7408 \begin{center}%
7409 {\LARGE \@title \par}%
7410 \vskip 3em%
7411 {\large
7412 \lineskip .75em%
7413 \begin{tabular}[t]{c}%
7414 \@author

```



```

7415     \end{tabular}\par}%
7416     \vskip 1.5em%
7417     {\large \@date \par}%           % Set date in \large size.
7418 \end{center}\par
7419 \@thanks
7420 \vfil\null
7421 \end{titlepage}%
7422 \setcounter{footnote}{0}%
7423 \global\let\thanks\relax
7424 \global\let\maketitle\relax
7425 \global\let\@thanks\@empty
7426 \global\let\@author\@empty
7427 \global\let\@date\@empty
7428 \global\let\@title\@empty
7429 \global\let\title\relax
7430 \global\let\author\relax
7431 \global\let\date\relax
7432 \global\let\and\relax
7433 }
7434 \else
7435 \renewcommand\maketitle{\par
7436   \begingroup
7437     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7438     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7439     \long\def\@makefntext##1{\parindent 1em\noindent
7440       \hb@xt@1.8em{%
7441         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7442     \if@twocolumn
7443       \ifnum \col@number=\@ne
7444         \@maketitle
7445       \else
7446         \twocolumn[\@maketitle]%
7447       \fi
7448     \else
7449       \newpage
7450       \global\@topnum\z@    % Prevents figures from going at top of page.
7451       \@maketitle
7452     \fi
7453     \thispagestyle{plain}\@thanks
7454   \endgroup
7455   \setcounter{footnote}{0}%
7456   \global\let\thanks\relax
7457   \global\let\maketitle\relax
7458   \global\let\@maketitle\relax
7459   \global\let\@thanks\@empty
7460   \global\let\@author\@empty
7461   \global\let\@date\@empty
7462   \global\let\@title\@empty
7463   \global\let\title\relax
7464   \global\let\author\relax

```



```

7465 \global\let\date\relax
7466 \global\let\and\relax
7467 }
7468 \def\@maketitle{%
7469 \newpage
7470 \null
7471 \vskip 2em%
7472 \begin{center}%
7473 \let \footnote \thanks
7474 {\LARGE \@title \par}%
7475 \vskip 1.5em%
7476 {\large
7477 \lineskip .5em%
7478 \begin{tabular}[t]{c}%
7479 \@author
7480 \end{tabular}\par}%
7481 \vskip 1em%
7482 {\large \@date}%
7483 \end{center}%
7484 \par
7485 \vskip 1.5em}
7486 \fi
7487 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7488 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7489 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7490 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

7.52 extbook-xetex-bidi.def

```

7491 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
7492 \if@titlepage
7493 \renewcommand\maketitle{\begin{titlepage}%
7494 \let\footnotesize\small
7495 \let\right@footnoterule\relax
7496 \let\left@footnoterule\relax
7497 \let\textwidth@footnoterule\relax
7498 \let \footnote \thanks
7499 \let \LTRfootnote \LTRthanks
7500 \let \RTLfootnote \RTLthanks
7501 \null\vfil
7502 \vskip 60\p@
7503 \begin{center}%
7504 {\LARGE \@title \par}%
7505 \vskip 3em%
7506 {\large
7507 \lineskip .75em%
7508 \begin{tabular}[t]{c}%
7509 \@author
7510 \end{tabular}\par}%
7511 \vskip 1.5em%

```



```

7512     {\large \@date \par}%           % Set date in \large size.
7513 \end{center}\par
7514 \@thanks
7515 \vfil\null
7516 \end{titlepage}%
7517 \setcounter{footnote}{0}%
7518 \global\let\thanks\relax
7519 \global\let\LTRthanks\relax
7520 \global\let\RTLthanks\relax
7521 \global\let\maketitle\relax
7522 \global\let\@thanks\@empty
7523 \global\let\@author\@empty
7524 \global\let\@date\@empty
7525 \global\let\@title\@empty
7526 \global\let\title\relax
7527 \global\let\author\relax
7528 \global\let\date\relax
7529 \global\let\and\relax
7530 }
7531 \else
7532 \renewcommand\maketitle{\par
7533 \begingroup
7534   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7535   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7536   \long\def\@makefntext##1{\parindent 1em\noindent
7537     \hb@xt@1.8em{%
7538       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7539   \if@twocolumn
7540     \ifnum \col@number=\@ne
7541       \@maketitle
7542     \else
7543       \twocolumn[\@maketitle]%
7544     \fi
7545   \else
7546     \newpage
7547     \global\@topnum\z@    % Prevents figures from going at top of page.
7548     \@maketitle
7549     \fi
7550     \thispagestyle{plain}\@thanks
7551 \endgroup
7552 \setcounter{footnote}{0}%
7553 \global\let\thanks\relax
7554 \global\let\LTRthanks\relax
7555 \global\let\RTLthanks\relax
7556 \global\let\maketitle\relax
7557 \global\let\@maketitle\relax
7558 \global\let\@thanks\@empty
7559 \global\let\@author\@empty
7560 \global\let\@date\@empty
7561 \global\let\@title\@empty

```



```

7562 \global\let\title\relax
7563 \global\let\author\relax
7564 \global\let\date\relax
7565 \global\let\and\relax
7566 }
7567 \def\@maketitle{%
7568 \newpage
7569 \null
7570 \vskip 2em%
7571 \begin{center}%
7572 \let \footnote \thanks
7573 \let \LTRfootnote \LTRthanks
7574 \let \RTLfootnote \RTLthanks
7575 {\LARGE \@title \par}%
7576 \vskip 1.5em%
7577 {\large
7578 \lineskip .5em%
7579 \begin{tabular}[t]{c}%
7580 \@author
7581 \end{tabular}\par}%
7582 \vskip 1em%
7583 {\large \@date}%
7584 \end{center}%
7585 \par
7586 \vskip 1.5em}
7587 \fi
7588 \renewcommand*\l@part[2]{%
7589 \ifnum \c@tocdepth >-2\relax
7590 \addpenalty{-\@highpenalty}%
7591 \addvspace{2.25em \@plus\p@}%
7592 \begingroup
7593 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \pnumwidth
7594 \parfillskip -\pnumwidth
7595 {\leavevmode
7596 \large \bfseries #1\hfil \hb@xt@\pnumwidth{\hss #2}}\par
7597 \nobreak
7598 \global\@nobreaktrue
7599 \everypar{\global\@nobreakfalse\everypar{}}%
7600 \endgroup
7601 \fi}
7602 \renewcommand\theequation
7603 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7604 \renewcommand \thefigure
7605 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7606 \renewcommand \thetable
7607 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7608 \renewcommand \thechapter {\@arabic\c@chapter}
7609 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7610 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7611 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}

```



```

7612 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7613 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
7614 \def\@makechapterhead#1{%
7615   \vspace*{50\p@}%
7616   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7617     \ifnum \c@secnumdepth >\m@ne
7618       \if@mainmatter
7619         \huge\bfseries \@chapapp\space \thechapter
7620         \par\nobreak
7621         \vskip 20\p@
7622       \fi
7623     \fi
7624     \interlinepenalty\@M
7625     \Huge \bfseries #1\par\nobreak
7626     \vskip 40\p@
7627   }}
7628
7629 \def\@makeschapterhead#1{%
7630   \vspace*{50\p@}%
7631   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7632     \normalfont
7633     \interlinepenalty\@M
7634     \Huge \bfseries #1\par\nobreak
7635     \vskip 40\p@
7636   }}
7637 \renewcommand\backmatter{%
7638   \if@openright
7639     \cleardoublepage
7640   \else
7641     \clearpage
7642   \fi
7643   \@mainmatterfalse}
7644 \renewenvironment{thebibliography}[1]
7645   {\chapter*\bibname
7646     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
7647   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7648     \list{\@biblabel{\@arabic\c@enumiv}}%
7649       {\settowidth\labelwidth{\@biblabel{#1}}%
7650        \leftmargin\labelwidth
7651        \advance\leftmargin\labelsep
7652        \@openbib@code
7653        \usecounter{enumiv}%
7654        \let\p@enumiv\@empty
7655        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7656     \sloppy
7657     \clubpenalty4000
7658     \@clubpenalty \clubpenalty
7659     \widowpenalty4000%
7660     \sfcode`\.\@m}
7661   {\def\@noitemerr

```




```

7662      {\@latex@warning{Empty `thebibliography' environment}}}%
7663      \endlist}

```

7.53 extletter-xetex-bidi.def

```

7664 \ProvidesFile{extletter-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for extletter class for
7665 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
7666   \thispagestyle{firstpage}%
7667   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
7668 \else % home address
7669   \thispagestyle{empty}%
7670   {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
7671     \fromaddress \*[2\parskip]%
7672     \@date \end{tabular}\par}%
7673 \fi
7674 \vspace{2\parskip}%
7675 {\if@RTL\raggedleft\else\raggedright\fi \toname \[2\parskip] \toaddress \par}%
7676 \vspace{2\parskip}%
7677 #1\par\nobreak}
7678 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
7679 \stopbreaks
7680 \noindent
7681 \ifx\@empty\fromaddress\else
7682 \hspace*{\longindentation}\fi
7683 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
7684   \ignorespaces #1\[[6\medskipamount]}%
7685   \ifx\@empty\fromsig
7686     \fromname
7687   \else \fromsig \fi\strut}%
7688 \par}
7689 \renewcommand\left@footnoterule{%
7690 \kern-\p@
7691 \hrule \@width .4\columnwidth
7692 \kern .6\p@}
7693 \renewcommand\right@footnoterule{%
7694 \hbox to \columnwidth
7695 {\beginR \vbox{%
7696 \kern-\p@
7697 \hrule \@width .4\columnwidth
7698 \kern .6\p@}\hfil\endR}}

```

7.54 extrafootnotefeatures-xetex-bidi.def

```

7699 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2012/12/12 v0.4 bidi extra footnote feature
7700 \let\autofootnoterule\relax
7701 \let\rightfootnoterule\relax
7702 \let\leftfootnoterule\relax
7703 \let\textwidthfootnoterule\relax
7704 \let\LRfootnoterule\relax
7705 \def\footnoterule{\kern-3\p@
7706 \hrule \@width \columnwidth \kern 2.6\p@}

```



```

7707 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
7708 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
7709 \renewcommand{\@footnotetext}[1]{%
7710     \insert\footins{%
7711         \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7712         \def\baselinestretch{\m@m@footnote@spacing}%
7713         \reset@font
7714         \foottextfont
7715         \@preamfntext
7716         \hsize\columnwidth
7717         \protected@edef\@currentlabel{%
7718             \csname p@footnote\endcsname\@thefnmark}%
7719         \color@begingroup
7720         \@makefntext{%
7721             \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
7722             \@finalstrut\strutbox}%
7723         \color@endgroup}%
7724     \m@mmf@prepare}
7725 \renewcommand{\@RTLfootnotetext}[1]{%
7726     \insert\footins{%
7727         \@RTLtrue%
7728         \def\baselinestretch{\m@m@footnote@spacing}%
7729         \reset@font
7730         \RTLfoottextfont
7731         \@preamfntext
7732         \hsize\columnwidth
7733         \protected@edef\@currentlabel{%
7734             \csname p@footnote\endcsname\@thefnmark}%
7735         \color@begingroup
7736         \@makefntext{%
7737             \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
7738             \@finalstrut\strutbox}%
7739         \color@endgroup}%
7740     \m@mmf@prepare}
7741 \renewcommand{\@LTRfootnotetext}[1]{%
7742     \insert\footins{%
7743         \@RTLfalse%
7744         \def\baselinestretch{\m@m@footnote@spacing}%
7745         \reset@font
7746         \LTRfoottextfont
7747         \@preamfntext
7748         \hsize\columnwidth
7749         \protected@edef\@currentlabel{%
7750             \csname p@footnote\endcsname\@thefnmark}%
7751         \color@begingroup
7752         \@makefntext{%
7753             \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
7754             \@finalstrut\strutbox}%
7755         \color@endgroup}%
7756     \m@mmf@prepare}

```



```

7757 \renewcommand{\@mpfootnotetext}[1]{%
7758   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7759     \unvbox\@mpfootins
7760     \def\baselinestretch{\m@m@footnote@spacing}%
7761     \foottextfont \hsize\columnwidth \@parboxrestore
7762     \protected@edef\@currentlabel{%
7763       \csname p@mpfootnote\endcsname\@thefnmark}%
7764     \color@begingroup
7765     \reset@font%
7766     \@makefntext{%
7767       \rule{z@\footnotesep\ignorespaces}{\foottextfont #1}%
7768       \@finalstrut\strutbox}%
7769     \color@endgroup}}
7770 \renewcommand{\@mpLTRfootnotetext}[1]{%
7771   \global\setbox\@mpfootins\vbox{\@RTLfalse%
7772     \unvbox\@mpfootins
7773     \def\baselinestretch{\m@m@footnote@spacing}%
7774     \LTRfoottextfont \hsize\columnwidth \@parboxrestore
7775     \protected@edef\@currentlabel{%
7776       \csname p@mpfootnote\endcsname\@thefnmark}%
7777     \color@begingroup
7778     \reset@font%
7779     \@makefntext{%
7780       \rule{z@\footnotesep\ignorespaces}{\LTRfoottextfont #1}%
7781       \@finalstrut\strutbox}%
7782     \color@endgroup}}
7783 \renewcommand{\@mpRTLfootnotetext}[1]{%
7784   \global\setbox\@mpfootins\vbox{\@RTLtrue%
7785     \unvbox\@mpfootins
7786     \def\baselinestretch{\m@m@footnote@spacing}%
7787     \RTLfoottextfont \hsize\columnwidth \@parboxrestore
7788     \protected@edef\@currentlabel{%
7789       \csname p@mpfootnote\endcsname\@thefnmark}%
7790     \color@begingroup
7791     \reset@font%
7792     \@makefntext{%
7793       \rule{z@\footnotesep\ignorespaces}{\RTLfoottextfont #1}%
7794       \@finalstrut\strutbox}%
7795     \color@endgroup}}
7796 \let\m@mold@footnotetext\@footnotetext
7797 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
7798 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
7799 \let\m@mold@mpfootnotetext\@mpfootnotetext
7800 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
7801 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
7802 \bidi@ensure@newcommand{\normalfootnotes}{%
7803   \let\@footnotetext\m@mold@footnotetext
7804   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
7805   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
7806   \let\@mpfootnotetext\m@mold@mpfootnotetext

```



```

7807 \let\@mplTRfootnotetext\m@mold@mpLTRfootnotetext
7808 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
7809 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
7810 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestrue}
7811 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotestrue}
7812 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
7813 \def\m@m@singlespace{#1}%
7814 \def\m@m@footnote@spacing{#1}%
7815 \def\m@m@float@spacing{#1} %
7816 }
7817 \setSingleSpace{1}
7818 \newinsert\sideins
7819 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
7820 \bidi@ensure@newcommand*{\m@m@mmf@prepare}{%
7821 \kern-\multiplefootnotemarker
7822 \kern\multiplefootnotemarker\relax}
7823 \bidi@ensure@newlength{\footmarkwidth}
7824 \bidi@ensure@newlength{\footmarksep}
7825 \bidi@ensure@newlength{\footparindent}
7826 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
7827 \bidi@ensure@newcommand{\footfootmark}{%
7828 \ifdim\footmarkwidth < \z@
7829 \llap{\hb@xt@ -\footmarkwidth{%
7830 \hss\normalfont\footscript{\@thefnmark}}}%
7831 \hspace*{-\footmarkwidth}}%
7832 \else
7833 \ifdim\footmarkwidth = \z@
7834 {\normalfont\footscript{\@thefnmark}}%
7835 \else
7836 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
7837 \fi
7838 \fi}
7839 \footmarkstyle{\textsuperscript{#1}}
7840 \setlength{\footmarkwidth}{1.8em}
7841 \setlength{\footparindent}{1em}
7842 \bidi@ensure@newcommand{\m@m@doextrafeet}{\extrafeetins}
7843 \bidi@ensure@newcommand*{\extrafeetins}{%
7844 \setbox\@outputbox \vbox{%
7845 \boxmaxdepth \@maxdepth
7846 \unvbox\@outputbox
7847 \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
7848 \extrafeetinshook}}
7849 \bidi@ensure@newcommand{\extrafeetinshook}{%
7850 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
7851 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
7852 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
7853 \bidi@ensure@newlength{\footinsdim}
7854 \setlength{\footinsdim}{8in} % standard for \dimen\footins
7855 \bidi@ensure@newcommand{\@preamfntext}{%
7856 \interlinepenalty\interfootnotelinepenalty

```



```

7857 \floatingpenalty \@MM
7858 \splittopskip=\footnotesep
7859 \splitmaxdepth=\dp\strutbox
7860 \@parboxrestore}
7861 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
7862 \extrafeetminihook}
7863 \bidi@ensure@newcommand{\extrafeetendmini}{%
7864 \ifvoid\@mpfootinsv@r\else
7865 \vskip\skip\@mpfootins
7866 \normalcolor\footnoterule\mp@footgroupv@r
7867 \fi
7868 \extrafeetendminihook}
7869 \bidi@ensure@newcommand{\extrafeetendminihook}{%
7870 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
7871 \def\endminipage{%
7872 \par
7873 \unskip
7874 \ifvoid\@mpfootins\else
7875 \vskip\skip\@mpfootins
7876 \normalcolor
7877 \footnoterule
7878 \unvbox\@mpfootins
7879 \fi
7880 \m@mdoextrafeetendmini
7881 \@minipagefalse
7882 \color@endgroup
7883 \egroup
7884 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
7885 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
7886 \@namedef{\@footstart#1}{%
7887 \vskip\bigskipamount
7888 \leftskip=\z@
7889 \rightskip=\z@
7890 \footnoterule}}
7891 \newinsert\footinsv@r
7892 \skip\footinsv@r\bigskipamount
7893 \count\footinsv@r=1000 % no magnification
7894 \dimen\footinsv@r=\footinsdim
7895 \m@make@footstart{v@r}
7896 \bidi@ensure@newcommand{\@footgroupv@r}{%
7897 \newinsert\@mpfootinsv@r
7898 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
7899 \newcount\m@m@k \newdimen\m@m@h
7900 \ifpackageloaded{multicol}{%
7901 \bidi@ensure@newcommand*\{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
7902 \hsize\textwidth
7903 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7904 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
7905 }{%
7906 \bidi@ensure@newcommand*\{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3

```



```

7907 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7908 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
7909 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
7910 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
7911 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
7912 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
7913 \setbox2 \vsplit0 to \dimen0
7914 \unvbox2 }
7915 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
7916 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7917 \let\@footnotetext\@twocolfootnotetext
7918 \let\@LTRfootnotetext\@twocolLTRfootnotetext
7919 \let\@RTLfootnotetext\@twocolRTLfootnotetext
7920 \dimen\footinsv@r=2\footinsdim
7921 \count\footinsv@r=500\relax
7922 \m@make@twocol@footgroup{v@r}%
7923 \let\@footgroupv@r\@twocol@footgroupv@r
7924 \let\@mpfootnotetext\@mptwocolfootnotetext
7925 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
7926 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
7927 \m@make@mptwocol@footgroup{v@r}%
7928 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
7929 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
7930 \def\baselinestretch{\m@m@footnote@spacing}%
7931 \reset@font\foottextfont
7932 \@preamfntext
7933 \protected@edef\@currentlabel{%
7934 \csname p@footnote\endcsname\@thefnmark}%
7935 \color@begingroup
7936 \@twocolfootfmt{#1}%
7937 \color@endgroup}%
7938 \m@mmf@prepare}
7939 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
7940 \def\baselinestretch{\m@m@footnote@spacing}%
7941 \reset@font\LTRfoottextfont
7942 \@preamfntext
7943 \protected@edef\@currentlabel{%
7944 \csname p@footnote\endcsname\@thefnmark}%
7945 \color@begingroup
7946 \@twocolLTRfootfmt{#1}%
7947 \color@endgroup}%
7948 \m@mmf@prepare}
7949 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7950 \def\baselinestretch{\m@m@footnote@spacing}%
7951 \reset@font\RTLfoottextfont
7952 \@preamfntext
7953 \protected@edef\@currentlabel{%
7954 \csname p@footnote\endcsname\@thefnmark}%
7955 \color@begingroup
7956 \@twocolRTLfootfmt{#1}%

```



```

7957 \color@endgroup}%
7958 \m@mmf@prepare}
7959 \bidi@ensure@newcommand{\@preamtwofmt}{%
7960 \hsize .45\hsize
7961 \parindent=\z@
7962 \tolerance=5000\relax
7963 \leavevmode}
7964 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
7965 \@preamtwofmt
7966 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7967 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
7968 \@preamtwofmt
7969 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7970 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
7971 \@preamtwofmt
7972 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7973 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
7974 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7975 \unvbox\@mpfootinsv@r
7976 \def\baselinestretch{\m@m@footnote@spacing}%
7977 \reset@font\foottextfont
7978 \hsize\columnwidth \@parboxrestore
7979 \protected@edef\@currentlabel{%
7980 \csname p@mpfootnote\endcsname\@thefnmark}%
7981 \color@begingroup
7982 \@twocolfootfmt{#1}%
7983 \color@endgroup}%
7984 \m@mmf@prepare}
7985 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
7986 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
7987 \unvbox\@mpfootinsv@r
7988 \def\baselinestretch{\m@m@footnote@spacing}%
7989 \reset@font\LTRfoottextfont
7990 \hsize\columnwidth \@parboxrestore
7991 \if@RTLcolumnfootnotes\beginL\fi
7992 \protected@edef\@currentlabel{%
7993 \csname p@mpfootnote\endcsname\@thefnmark}%
7994 \color@begingroup
7995 \@twocolLTRfootfmt{#1}%
7996 \color@endgroup}%
7997 \m@mmf@prepare}
7998 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
7999 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8000 \unvbox\@mpfootinsv@r
8001 \def\baselinestretch{\m@m@footnote@spacing}%
8002 \reset@font\RTLfoottextfont
8003 \hsize\columnwidth \@parboxrestore
8004 \protected@edef\@currentlabel{%
8005 \csname p@mpfootnote\endcsname\@thefnmark}%
8006 \color@begingroup

```



```

8007 \@twocolRTLfootfmt{#1}%
8008 \color@endgroup}%
8009 \m@mmf@prepare}
8010 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8011 \m@make@twocolfootnotetext{#1}%
8012 \m@make@mptwocolfootnotetext{#1}%
8013 \m@make@twocolfootfmt{#1}%
8014 \m@make@twocol@footgroup{#1}%
8015 \m@make@mptwocol@footgroup{#1}%
8016 \m@make@footstart{#1}%
8017 \bidi@namelongdef{@footnotetext#1}##1{%
8018 \nameuse{@twocolfootnotetext#1}{##1}}%
8019 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8020 \nameuse{@mptwocolfootnotetext#1}{##1}}%
8021 \@namedef{@footgroup#1}{\nameuse{@twocol@footgroup#1}}%
8022 \@namedef{@mpfootgroup#1}{\nameuse{@mptwocol@footgroup#1}}%
8023 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8024 \expandafter\count\csname footins#1\endcsname=500\relax}
8025 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8026 \bidi@namelongdef{@twocolfootnotetext#1}##1{%
8027 \insert\nameuse{footins#1}{%
8028 \def\baselinestretch{\m@m@footnote@spacing}%
8029 \reset@font\nameuse{foottextfont#1}%
8030 \@preamfntext
8031 \protected@edef\currentlabel{%
8032 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
8033 \color@begingroup
8034 \nameuse{@twocolfootfmt#1}{##1}%
8035 \color@endgroup}%
8036 \m@mmf@prepare}}
8037 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8038 \bidi@namelongdef{@mptwocolfootnotetext#1}##1{%
8039 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8040 \unvbox\nameuse{@mpfootins#1}
8041 \def\baselinestretch{\m@m@footnote@spacing}%
8042 \reset@font\nameuse{foottextfont#1}%
8043 \hsize\columnwidth \@parboxrestore
8044 \protected@edef\currentlabel{%
8045 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8046 \color@begingroup
8047 \nameuse{@twocolfootfmt#1}{##1}%
8048 \color@endgroup}\m@mmf@prepare}}
8049 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8050 \@namedef{@twocolfootfmt#1}##1{%
8051 \@preamtwofmt
8052 {\nameuse{footfootmark#1}\strut
8053 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8054 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8055 \@namedef{@twocol@footgroup#1}{%
8056 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```




```

8057 \m@rigrigidbodybalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8058 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8059 \@namedef{@mptwocol@footgroup#1}{%
8060 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8061 \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
8062 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8063 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8064 \let\@footnotetext\@threecolfootnotetext
8065 \let\@LTRfootnotetext\@threecolLTRfootnotetext
8066 \let\@RTLfootnotetext\@threecolRTLfootnotetext
8067 \dimen\footinsv@r=3\footinsdim
8068 \count\footinsv@r=333\relax
8069 \m@make@threecol@footgroup{v@r}%
8070 \let\@footgroupv@r\@threecol@footgroupv@r
8071 \let\@mpfootnotetext\@mpthreecolfootnotetext
8072 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8073 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8074 \m@make@mpthreecol@footgroup{v@r}%
8075 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
8076 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8077 \def\baselinestretch{\m@m@footnote@spacing}%
8078 \reset@font\foottextfont
8079 \@preamfntext
8080 \protected@edef\@currentlabel{%
8081 \csname p@footnote\endcsname\@thefnmark}%
8082 \color@begingroup
8083 \@threecolfootfmt{#1}%
8084 \color@endgroup}\m@mmf@prepare}
8085 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8086 \def\baselinestretch{\m@m@footnote@spacing}%
8087 \reset@font\LTRfoottextfont
8088 \@preamfntext
8089 \protected@edef\@currentlabel{%
8090 \csname p@footnote\endcsname\@thefnmark}%
8091 \color@begingroup
8092 \@threecolLTRfootfmt{#1}%
8093 \color@endgroup}\m@mmf@prepare}
8094 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8095 \def\baselinestretch{\m@m@footnote@spacing}%
8096 \reset@font\RTLfoottextfont
8097 \@preamfntext
8098 \protected@edef\@currentlabel{%
8099 \csname p@footnote\endcsname\@thefnmark}%
8100 \color@begingroup
8101 \@threecolRTLfootfmt{#1}%
8102 \color@endgroup}\m@mmf@prepare}
8103 \bidi@ensure@newcommand{\@preamthreelfmt}{%
8104 \hspace{.3\hspace}
8105 \parindent=\z@
8106 \tolerance=5000\relax

```



```

8107 \leavevmode}
8108 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8109 \@preamthreefmt
8110 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8111 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8112 \@preamthreefmt
8113 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8114 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8115 \@preamthreefmt
8116 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8117 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8118 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8119 \unvbox\@mpfootinsv@r
8120 \def\baselinestretch{\m@m@footnote@spacing}%
8121 \reset@font\foottextfont
8122 \hsize\columnwidth \@parboxrestore
8123 \protected@edef\@currentlabel{%
8124 \csname p@mpfootnote\endcsname\@thefnmark}%
8125 \color@begingroup
8126 \@threecolfootfmt{#1}%
8127 \color@endgroup}\m@mmf@prepare}
8128 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8129 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8130 \unvbox\@mpfootinsv@r
8131 \def\baselinestretch{\m@m@footnote@spacing}%
8132 \reset@font\LTRfoottextfont
8133 \hsize\columnwidth \@parboxrestore
8134 \if@RTLcolumnfootnotes\beginL\fi
8135 \protected@edef\@currentlabel{%
8136 \csname p@mpfootnote\endcsname\@thefnmark}%
8137 \color@begingroup
8138 \@threecolLTRfootfmt{#1}%
8139 \color@endgroup}\m@mmf@prepare}
8140 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8141 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8142 \unvbox\@mpfootinsv@r
8143 \def\baselinestretch{\m@m@footnote@spacing}%
8144 \reset@font\RTLfoottextfont
8145 \hsize\columnwidth \@parboxrestore
8146 \protected@edef\@currentlabel{%
8147 \csname p@mpfootnote\endcsname\@thefnmark}%
8148 \color@begingroup
8149 \@threecolRTLfootfmt{#1}%
8150 \color@endgroup}\m@mmf@prepare}
8151 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8152 \m@make@threecolfootnotetext{#1}%
8153 \m@make@mpthreecolfootnotetext{#1}%
8154 \m@make@threecolfootfmt{#1}%
8155 \m@make@threecol@footgroup{#1}%
8156 \m@make@mpthreecol@footgroup{#1}%

```



```

8157 \m@make@footstart{#1}%
8158 \bidi@namelongdef{@footnotetext#1}##1{%
8159   \nameuse{@threecolfootnotetext#1}{##1}}%
8160 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8161   \nameuse{@mpthreecolfootnotetext#1}{##1}}%
8162 \@namedef{@footgroup#1}{\@nameuse{@threecol@footgroup#1}}%
8163 \@namedef{@mp@footgroup#1}{\@nameuse{@mpthreecol@footgroup#1}}%
8164 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8165 \expandafter\count\csname footins#1\endcsname=333\relax}
8166 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8167 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
8168   \insert\@nameuse{footins#1}{%
8169     \def\baselinestretch{\m@m@footnote@spacing}%
8170     \reset@font\@nameuse{foottextfont#1}%
8171     \@preamfntext
8172     \protected@edef\@currentlabel{%
8173       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8174     \color@begingroup
8175       \@nameuse{@threecolfootfmt#1}{##1}%
8176     \color@endgroup}\m@m@mmf@prepare}}
8177 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8178 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
8179   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8180     \unvbox\@nameuse{@mpfootins#1}
8181     \def\baselinestretch{\m@m@footnote@spacing}%
8182     \reset@font\@nameuse{foottextfont#1}%
8183     \hsize\columnwidth \@parboxrestore
8184     \protected@edef\@currentlabel{%
8185       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8186     \color@begingroup
8187       \@nameuse{@threecolfootfmt#1}{##1}%
8188     \color@endgroup}\m@m@mmf@prepare}}
8189 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8190 \bidi@namelongdef{@threecolfootfmt#1}##1{%
8191   \@preamthreefmt
8192   {\@nameuse{footfootmark#1}\strut
8193     {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8194 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8195 \@namedef{@threecol@footgroup#1}{%
8196   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8197   \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
8198 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
8199 \@namedef{@mpthreecol@footgroup#1}{%
8200   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8201   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}}
8202 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8203   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8204   \let\@footnotetext\@fourcolfootnotetext
8205   \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8206   \let\@RTLfootnotetext\@fourcolRTLfootnotetext

```



```

8207 \dimen\footinsv@r=4\footinsdim
8208 \count\footinsv@r=250\relax
8209 \m@make@fourcol@footgroup{v@r}%
8210 \let\@footgroupv@r\@fourcol@footgroupv@r
8211 \let\@mpfootnotetext\@mpfourcolfootnotetext
8212 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8213 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8214 \m@make@mpfourcol@footgroup{v@r}%
8215 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8216 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8217 \def\baselinestretch{\m@m@footnote@spacing}%
8218 \reset@font\foottextfont
8219 \@preamfntext
8220 \protected@edef\@currentlabel{%
8221 \csname p@footnote\endcsname\@thefnmark}%
8222 \color@begingroup
8223 \@fourcolfootfmt{#1}%
8224 \color@endgroup}%
8225 \m@mmf@prepare}
8226 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8227 \def\baselinestretch{\m@m@footnote@spacing}%
8228 \reset@font\LTRfoottextfont
8229 \@preamfntext
8230 \protected@edef\@currentlabel{%
8231 \csname p@footnote\endcsname\@thefnmark}%
8232 \color@begingroup
8233 \@fourcolLTRfootfmt{#1}%
8234 \color@endgroup}%
8235 \m@mmf@prepare}
8236 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8237 \def\baselinestretch{\m@m@footnote@spacing}%
8238 \reset@font\RTLfoottextfont
8239 \@preamfntext
8240 \protected@edef\@currentlabel{%
8241 \csname p@footnote\endcsname\@thefnmark}%
8242 \color@begingroup
8243 \@fourcolRTLfootfmt{#1}%
8244 \color@endgroup}%
8245 \m@mmf@prepare}
8246 \bidi@ensure@newcommand{\@preamfourfmt}{%
8247 \hsize .25\hsize
8248 \parindent=\z@
8249 \tolerance=5000\relax
8250 \leavevmode}
8251 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8252 \@preamfourfmt
8253 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8254 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8255 \@preamfourfmt
8256 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}

```



```

8257 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8258   \@preamfourfmt
8259   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8260 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8261   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8262     \unvbox\@mpfootinsv@r
8263     \def\baselinestretch{\m@m@footnote@spacing}%
8264     \reset@font\foottextfont
8265     \hsize\columnwidth \@parboxrestore
8266     \protected@edef\@currentlabel{%
8267       \csname p@mpfootnote\endcsname\@thefnmark}%
8268     \color@begingroup
8269       \@fourcolfootfmt{#1}%
8270     \color@endgroup}%
8271   \m@mmf@prepare}
8272 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8273   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8274     \unvbox\@mpfootinsv@r
8275     \def\baselinestretch{\m@m@footnote@spacing}%
8276     \reset@font\LTRfoottextfont
8277     \hsize\columnwidth \@parboxrestore
8278     \if@RTLcolumnfootnotes\beginL\fi
8279     \protected@edef\@currentlabel{%
8280       \csname p@mpfootnote\endcsname\@thefnmark}%
8281     \color@begingroup
8282       \@fourcolLTRfootfmt{#1}%
8283     \color@endgroup}%
8284   \m@mmf@prepare}
8285 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8286   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8287     \unvbox\@mpfootinsv@r
8288     \def\baselinestretch{\m@m@footnote@spacing}%
8289     \reset@font\RTLfoottextfont
8290     \hsize\columnwidth \@parboxrestore
8291     \protected@edef\@currentlabel{%
8292       \csname p@mpfootnote\endcsname\@thefnmark}%
8293     \color@begingroup
8294       \@fourcolRTLfootfmt{#1}%
8295     \color@endgroup}%
8296   \m@mmf@prepare}
8297 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
8298   \m@make@fourcolfootnotetext{#1}%
8299   \m@make@mpfourcolfootnotetext{#1}%
8300   \m@make@fourcolfootfmt{#1}%
8301   \m@make@fourcol@footgroup{#1}%
8302   \m@make@mpfourcol@footgroup{#1}%
8303   \m@make@footstart{#1}%
8304   \bidi@namelongdef{\footnotetext#1}##1{%
8305     \@nameuse{\@fourcolfootnotetext#1}{##1}}%
8306   \bidi@namelongdef{\mpfootnotetext#1}##1{%

```



```

8307 \nameuse{@mpfourcolfootnotetext#1}{##1}}%
8308 \@namedef{@footgroup#1}{\nameuse{@fourcol@footgroup#1}}%
8309 \@namedef{mp@footgroup#1}{\nameuse{@mpfourcol@footgroup#1}}%
8310 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8311 \expandafter\count\csname footins#1\endcsname=500\relax}
8312 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8313 \bidi@namelongdef{@fourcolfootnotetext#1}{##1}{%
8314 \insert\nameuse{footins#1}{%
8315 \def\baselinestretch{\m@m@footnote@spacing}%
8316 \reset@font\nameuse{foottextfont#1}}%
8317 \@preamfntext
8318 \protected@edef\@currentlabel{%
8319 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
8320 \color@begingroup
8321 \nameuse{@fourcolfootfmt#1}{##1}}%
8322 \color@endgroup}%
8323 \m@mmf@prepare}}
8324 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8325 \bidi@namelongdef{@mpfourcolfootnotetext#1}{##1}{%
8326 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8327 \unvbox\nameuse{@mpfootins#1}
8328 \def\baselinestretch{\m@m@footnote@spacing}%
8329 \reset@font\nameuse{foottextfont#1}}%
8330 \hsize\columnwidth \parboxrestore
8331 \protected@edef\@currentlabel{%
8332 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8333 \color@begingroup
8334 \nameuse{@fourcolfootfmt#1}{##1}}%
8335 \color@endgroup}\m@mmf@prepare}}
8336 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8337 \@namedef{@fourcolfootfmt#1}{##1}{%
8338 \preamfourfmt
8339 {\nameuse{footfootmark#1}\strut
8340 {\nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
8341 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8342 \@namedef{@fourcol@footgroup#1}{%
8343 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8344 \m@mrigidbalance{\nameuse{footins#1}}{4}{\splittopskip}}}%
8345 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8346 \@namedef{@mpfourcol@footgroup#1}{%
8347 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8348 \m@mrigidbalance{\nameuse{@mpfootins#1}}{4}{\splittopskip}}}%
8349 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
8350 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8351 \let\@footnotetext\@fivecolfootnotetext
8352 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8353 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8354 \dimen\footinsv@r=5\footinsdim
8355 \count\footinsv@r=200\relax
8356 \m@make@fivecol@footgroup{v@r}}%

```



```

8357 \let\@footgroupv@r\@fivecol@footgroupv@r
8358 \let\@mpfootnotetext\@mpfivecolfootnotetext
8359 \let\@mplTRfootnotetext\@mpfivecolLTRfootnotetext
8360 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8361 \m@make@mpfivecol@footgroup{v@r}%
8362 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
8363 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8364 \def\baselinestretch{\m@m@footnote@spacing}%
8365 \reset@font\foottextfont
8366 \@preamfntext
8367 \protected@edef\@currentlabel{%
8368 \csname p@footnote\endcsname\@thefnmark}%
8369 \color@begingroup
8370 \@fivecolfootfmt{#1}%
8371 \color@endgroup}%
8372 \m@mmf@prepare}
8373 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8374 \def\baselinestretch{\m@m@footnote@spacing}%
8375 \reset@font\LTRfoottextfont
8376 \@preamfntext
8377 \protected@edef\@currentlabel{%
8378 \csname p@footnote\endcsname\@thefnmark}%
8379 \color@begingroup
8380 \@fivecolLTRfootfmt{#1}%
8381 \color@endgroup}%
8382 \m@mmf@prepare}
8383 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8384 \def\baselinestretch{\m@m@footnote@spacing}%
8385 \reset@font\RTLfoottextfont
8386 \@preamfntext
8387 \protected@edef\@currentlabel{%
8388 \csname p@footnote\endcsname\@thefnmark}%
8389 \color@begingroup
8390 \@fivecolRTLfootfmt{#1}%
8391 \color@endgroup}%
8392 \m@mmf@prepare}
8393 \bidi@ensure@newcommand{\@preamfivefmt}{%
8394 \hspace .2\hspace
8395 \parindent=\z@
8396 \tolerance=5000\relax
8397 \leavevmode}
8398 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8399 \@preamfivefmt
8400 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8401 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8402 \@preamfivefmt
8403 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8404 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8405 \@preamfivefmt
8406 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}

```



```

8407 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8408   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8409     \unvbox\@mpfootinsv@r
8410     \def\baselinestretch{\m@m@footnote@spacing}%
8411     \reset@font\foottextfont
8412     \hsize\columnwidth \@parboxrestore
8413     \protected@edef\@currentlabel{%
8414       \csname p@mpfootnote\endcsname\@thefnmark}%
8415     \color@begingroup
8416       \@fivecolfootfmt{#1}%
8417     \color@endgroup}%
8418   \m@mmf@prepare}
8419 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8420   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8421     \unvbox\@mpfootinsv@r
8422     \def\baselinestretch{\m@m@footnote@spacing}%
8423     \reset@font\LTRfoottextfont
8424     \hsize\columnwidth \@parboxrestore
8425     \if@RTLcolumnfootnotes\beginL\fi
8426     \protected@edef\@currentlabel{%
8427       \csname p@mpfootnote\endcsname\@thefnmark}%
8428     \color@begingroup
8429       \@fivecolLTRfootfmt{#1}%
8430     \color@endgroup}%
8431   \m@mmf@prepare}
8432 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8433   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8434     \unvbox\@mpfootinsv@r
8435     \def\baselinestretch{\m@m@footnote@spacing}%
8436     \reset@font\RTLfoottextfont
8437     \hsize\columnwidth \@parboxrestore
8438     \protected@edef\@currentlabel{%
8439       \csname p@mpfootnote\endcsname\@thefnmark}%
8440     \color@begingroup
8441       \@fivecolRTLfootfmt{#1}%
8442     \color@endgroup}%
8443   \m@mmf@prepare}
8444 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8445   \m@make@fivecolfootnotetext{#1}%
8446   \m@make@mpfivecolfootnotetext{#1}%
8447   \m@make@fivecolfootfmt{#1}%
8448   \m@make@fivecol@footgroup{#1}%
8449   \m@make@mpfivecol@footgroup{#1}%
8450   \m@make@footstart{#1}%
8451   \bidi@namelongdef{\@footnotetext#1}##1{%
8452     \nameuse{\@fivecolfootnotetext#1}{##1}}%
8453   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8454     \nameuse{\@mpfivecolfootnotetext#1}{##1}}%
8455   \@namedef{\@footgroup#1}{\nameuse{\@fivecol@footgroup#1}}%
8456   \@namedef{\mp@footgroup#1}{\nameuse{\@mpfivecol@footgroup#1}}%

```




```

8457 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8458 \expandafter\count\csname footins#1\endcsname=500\relax}
8459 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8460 \bidi@namelongdef{@fivecolfootnotetext#1}##1{%
8461 \insert\@nameuse{footins#1}{%
8462 \def\baselinestretch{\m@m@footnote@spacing}%
8463 \reset@font\@nameuse{foottextfont#1}%
8464 \@preamfntext
8465 \protected@edef\@currentlabel{%
8466 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8467 \color@begingroup
8468 \@nameuse{@fivecolfootfmt#1}{##1}%
8469 \color@endgroup}%
8470 \m@m@mmf@prepare}}
8471 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8472 \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
8473 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8474 \unvbox\@nameuse{@mpfootins#1}
8475 \def\baselinestretch{\m@m@footnote@spacing}%
8476 \reset@font\@nameuse{foottextfont#1}%
8477 \hsize\columnwidth \@parboxrestore
8478 \protected@edef\@currentlabel{%
8479 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8480 \color@begingroup
8481 \@nameuse{@fivecolfootfmt#1}{##1}%
8482 \color@endgroup}\m@m@mmf@prepare}}
8483 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
8484 \@namedef{@fivecolfootfmt#1}##1{%
8485 \@preamfivefmt
8486 {\@nameuse{footfootmark#1}\strut
8487 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8488 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8489 \@namedef{@fivecol@footgroup#1}{%
8490 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8491 \m@m@rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
8492 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8493 \@namedef{@mpfivecol@footgroup#1}{%
8494 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8495 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
8496 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8497 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8498 \let\@footnotetext\@sixcolfootnotetext
8499 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8500 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8501 \dimen\footinsv@r=6\footinsdim
8502 \count\footinsv@r=166\relax
8503 \m@make@sixcol@footgroup{v@r}%
8504 \let\@footgroupv@r\@sixcol@footgroupv@r
8505 \let\@mpfootnotetext\@mpsixcolfootnotetext
8506 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext

```



```

8507 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8508 \m@make@mpsixcol@footgroup{v@r}%
8509 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
8510 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8511 \def\baselinestretch{\m@m@footnote@spacing}%
8512 \reset@font\foottextfont
8513 \@preamfntext
8514 \protected@edef\@currentlabel{%
8515 \csname p@footnote\endcsname\@thefnmark}%
8516 \color@begingroup
8517 \@sixcolfootfmt{#1}%
8518 \color@endgroup}%
8519 \m@mmf@prepare}
8520 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8521 \def\baselinestretch{\m@m@footnote@spacing}%
8522 \reset@font\LTRfoottextfont
8523 \@preamfntext
8524 \protected@edef\@currentlabel{%
8525 \csname p@footnote\endcsname\@thefnmark}%
8526 \color@begingroup
8527 \@sixcolLTRfootfmt{#1}%
8528 \color@endgroup}%
8529 \m@mmf@prepare}
8530 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8531 \def\baselinestretch{\m@m@footnote@spacing}%
8532 \reset@font\RTLfoottextfont
8533 \@preamfntext
8534 \protected@edef\@currentlabel{%
8535 \csname p@footnote\endcsname\@thefnmark}%
8536 \color@begingroup
8537 \@sixcolRTLfootfmt{#1}%
8538 \color@endgroup}%
8539 \m@mmf@prepare}
8540 \bidi@ensure@newcommand{\@preamsixfmt}{%
8541 \hspace{.16\hspace}
8542 \parindent=\z@
8543 \tolerance=5000\relax
8544 \leavevmode}
8545 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8546 \@preamsixfmt
8547 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8548 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
8549 \@preamsixfmt
8550 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8551 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
8552 \@preamsixfmt
8553 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8554 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\if
8555 \global\setbox\@mpfootinsv@r\vbox{%
8556 \unvbox\@mpfootinsv@r

```



```

8557 \def\baselinestretch{\m@m@footnote@spacing}%
8558 \reset@font\foottextfont
8559 \hsize\columnwidth \@parboxrestore
8560 \protected@edef\@currentlabel{%
8561 \csname p@mpfootnote\endcsname\@thefnmark}%
8562 \color@begingroup
8563 \@sixcolfootfmt{#1}%
8564 \color@endgroup}%
8565 \m@mmf@prepare}
8566 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
8567 \global\setbox\@mpfootinsv@r\vbox{%
8568 \unvbox\@mpfootinsv@r
8569 \def\baselinestretch{\m@m@footnote@spacing}%
8570 \reset@font\LTRfoottextfont
8571 \hsize\columnwidth \@parboxrestore
8572 \if@RTLcolumnfootnotes\beginL\fi
8573 \protected@edef\@currentlabel{%
8574 \csname p@mpfootnote\endcsname\@thefnmark}%
8575 \color@begingroup
8576 \@sixcolLTRfootfmt{#1}%
8577 \color@endgroup}%
8578 \m@mmf@prepare}
8579 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
8580 \global\setbox\@mpfootinsv@r\vbox{%
8581 \unvbox\@mpfootinsv@r
8582 \def\baselinestretch{\m@m@footnote@spacing}%
8583 \reset@font\RTLfoottextfont
8584 \hsize\columnwidth \@parboxrestore
8585 \protected@edef\@currentlabel{%
8586 \csname p@mpfootnote\endcsname\@thefnmark}%
8587 \color@begingroup
8588 \@sixcolRTLfootfmt{#1}%
8589 \color@endgroup}%
8590 \m@mmf@prepare}
8591 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8592 \m@make@sixcolfootnotetext{#1}%
8593 \m@make@mpsixcolfootnotetext{#1}%
8594 \m@make@sixcolfootfmt{#1}%
8595 \m@make@sixcol@footgroup{#1}%
8596 \m@make@mpsixcol@footgroup{#1}%
8597 \m@make@footstart{#1}%
8598 \bidi@namelongdef{\footnotetext#1}##1{%
8599 \@nameuse{\@sixcolfootnotetext#1}{##1}}%
8600 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8601 \@nameuse{\@mpsixcolfootnotetext#1}{##1}}%
8602 \@namedef{\@footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%
8603 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsixcol@footgroup#1}}%
8604 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8605 \expandafter\count\csname footins#1\endcsname=500\relax}
8606 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%

```



```

8607 \bidi@namelongdef{@sixcolfootnotetext#1}##1{%
8608 \insert\@nameuse{footins#1}{%
8609 \def\baselinestretch{\m@m@footnote@spacing}%
8610 \reset@font\@nameuse{foottextfont#1}%
8611 \@preamfntext
8612 \protected@edef\@currentlabel{%
8613 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8614 \color@begingroup
8615 \@nameuse{@sixcolfootfmt#1}##1}%
8616 \color@endgroup}%
8617 \m@m@mmf@prepare}}
8618 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
8619 \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
8620 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8621 \unvbox\@nameuse{@mpfootins#1}
8622 \def\baselinestretch{\m@m@footnote@spacing}%
8623 \reset@font\@nameuse{foottextfont#1}%
8624 \hsize\columnwidth \@parboxrestore
8625 \protected@edef\@currentlabel{%
8626 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8627 \color@begingroup
8628 \@nameuse{@sixcolfootfmt#1}##1}%
8629 \color@endgroup}\m@m@mmf@prepare}}
8630 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
8631 \@namedef{@sixcolfootfmt#1}##1{%
8632 \@preamsixfmt
8633 {\@nameuse{footfootmark#1}\strut
8634 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8635 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
8636 \@namedef{@sixcol@footgroup#1}{%
8637 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8638 \m@m@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
8639 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
8640 \@namedef{@mpsixcol@footgroup#1}{%
8641 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8642 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}}
8643 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
8644 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8645 \let\@footnotetext\@sevendcolfootnotetext
8646 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
8647 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
8648 \dimen\footinsv@r=7\footinsdim
8649 \count\footinsv@r=142\relax
8650 \m@make@sevendcol@footgroup{v@r}%
8651 \let\@footgroupv@r\@sevendcol@footgroupv@r
8652 \let\@mpfootnotetext\@mpsevendcolfootnotetext
8653 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
8654 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
8655 \m@make@mpsevendcol@footgroup{v@r}%
8656 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}

```



```

8657 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8658 \def\baselinestretch{\m@m@footnote@spacing}%
8659 \reset@font\foottextfont
8660 \@preamfntext
8661 \protected@edef\@currentlabel{%
8662 \csname p@footnote\endcsname\@thefnmark}%
8663 \color@begingroup
8664 \@sevendcolfootfmt{#1}%
8665 \color@endgroup}%
8666 \m@mmf@prepare}
8667 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot%
8668 \def\baselinestretch{\m@m@footnote@spacing}%
8669 \reset@font\LTRfoottextfont
8670 \@preamfntext
8671 \protected@edef\@currentlabel{%
8672 \csname p@footnote\endcsname\@thefnmark}%
8673 \color@begingroup
8674 \@sevendcolLTRfootfmt{#1}%
8675 \color@endgroup}%
8676 \m@mmf@prepare}
8677 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8678 \def\baselinestretch{\m@m@footnote@spacing}%
8679 \reset@font\RTLfoottextfont
8680 \@preamfntext
8681 \protected@edef\@currentlabel{%
8682 \csname p@footnote\endcsname\@thefnmark}%
8683 \color@begingroup
8684 \@sevendcolRTLfootfmt{#1}%
8685 \color@endgroup}%
8686 \m@mmf@prepare}
8687 \bidi@ensure@newcommand{\@preamsevenfmt}{%
8688 \hsize .142\hsize
8689 \parindent=\z@
8690 \tolerance=5000\relax
8691 \leavevmode}
8692 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
8693 \@preamsevenfmt
8694 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8695 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
8696 \@preamsevenfmt
8697 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8698 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
8699 \@preamsevenfmt
8700 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8701 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
8702 \global\setbox\@mpfootinsv@r\vbox{%
8703 \unvbox\@mpfootinsv@r
8704 \def\baselinestretch{\m@m@footnote@spacing}%
8705 \reset@font\foottextfont
8706 \hsize\columnwidth \@parboxrestore

```



```

8707 \protected@edef\@currentlabel{%
8708 \csname p@mpfootnote\endcsname\@thefnmark}%
8709 \color@begingroup
8710 \@sevenscolfootfmt{#1}%
8711 \color@endgroup}%
8712 \m@mmf@prepare}
8713 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
8714 \global\setbox\@mpfootinsv@r\vbox{%
8715 \unvbox\@mpfootinsv@r
8716 \def\baselinestretch{\m@m@footnote@spacing}%
8717 \reset@font\LTRfoottextfont
8718 \hsize\columnwidth \@parboxrestore
8719 \if@RTLcolumnfootnotes\beginL\fi
8720 \protected@edef\@currentlabel{%
8721 \csname p@mpfootnote\endcsname\@thefnmark}%
8722 \color@begingroup
8723 \@sevenscolLTRfootfmt{#1}%
8724 \color@endgroup}%
8725 \m@mmf@prepare}
8726 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
8727 \global\setbox\@mpfootinsv@r\vbox{%
8728 \unvbox\@mpfootinsv@r
8729 \def\baselinestretch{\m@m@footnote@spacing}%
8730 \reset@font\RTLfoottextfont
8731 \hsize\columnwidth \@parboxrestore
8732 \protected@edef\@currentlabel{%
8733 \csname p@mpfootnote\endcsname\@thefnmark}%
8734 \color@begingroup
8735 \@sevenscolRTLfootfmt{#1}%
8736 \color@endgroup}%
8737 \m@mmf@prepare}
8738 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
8739 \m@make@sevenscolfootnotetext{#1}%
8740 \m@make@mpsevenscolfootnotetext{#1}%
8741 \m@make@sevenscolfootfmt{#1}%
8742 \m@make@sevenscol@footgroup{#1}%
8743 \m@make@mpsevenscol@footgroup{#1}%
8744 \m@make@footstart{#1}%
8745 \bidi@namelongdef{\@footnotetext#1}##1{%
8746 \@nameuse{\@sevenscolfootnotetext#1}{##1}}%
8747 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8748 \@nameuse{\@mpsevenscolfootnotetext#1}{##1}}%
8749 \@namedef{\@footgroup#1}{\@nameuse{\@sevenscol@footgroup#1}}%
8750 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsevenscol@footgroup#1}}%
8751 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8752 \expandafter\count\csname footins#1\endcsname=500\relax}
8753 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
8754 \bidi@namelongdef{\@sevenscolfootnotetext#1}##1{%
8755 \insert\@nameuse{footins#1}%
8756 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8757 \reset@font\@nameuse{foottextfont#1}%
8758 \@preamfntext
8759 \protected@edef\@currentlabel{%
8760 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8761 \color@begingroup
8762 \@nameuse{sevenscolfootfmt#1}{##1}%
8763 \color@endgroup}%
8764 \m@mfmf@prepare}}
8765 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
8766 \bidi@namelongdef{\m@make@mpsevenscolfootnotetext#1}##1{%
8767 \global\setbox\@nameuse{mpfootins#1}\vbox{%
8768 \unvbox\@nameuse{mpfootins#1}
8769 \def\baselinestretch{\m@m@footnote@spacing}%
8770 \reset@font\@nameuse{foottextfont#1}%
8771 \hsize\columnwidth \@parboxrestore
8772 \protected@edef\@currentlabel{%
8773 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8774 \color@begingroup
8775 \@nameuse{sevenscolfootfmt#1}{##1}%
8776 \color@endgroup}\m@mfmf@prepare}}
8777 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
8778 \@namedef{@sevenscolfootfmt#1}##1{%
8779 \@preamsevenfmt
8780 {\@nameuse{footfootmark#1}\strut
8781 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8782 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
8783 \@namedef{@sevenscol@footgroup#1}{%
8784 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8785 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
8786 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
8787 \@namedef{@mpsevenscol@footgroup#1}{%
8788 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8789 \m@mrigidbalance{\@nameuse{mpfootins#1}}{7}{\splittopskip}}}}
8790 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
8791 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8792 \let\@footnotetext\@eightcolfootnotetext
8793 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
8794 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
8795 \dimen\footinsv@r=8\footinsdim
8796 \count\footinsv@r=125\relax
8797 \m@make@eightcol@footgroup{v@r}%
8798 \let\@footgroupv@r\@eightcol@footgroupv@r
8799 \let\@mpfootnotetext\@mpeightcolfootnotetext
8800 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
8801 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
8802 \m@make@mpeightcol@footgroup{v@r}%
8803 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
8804 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8805 \def\baselinestretch{\m@m@footnote@spacing}%
8806 \reset@font\foottextfont

```



```

8807 \@preamfntext
8808 \protected@edef\@currentlabel{%
8809   \csname p@footnote\endcsname\@thefnmark}%
8810 \color@begingroup
8811   \@eightcolfootfmt{#1}%
8812 \color@endgroup}%
8813 \m@mmf@prepare}
8814 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8815   \def\baselinestretch{\m@m@footnote@spacing}%
8816   \reset@font\LTRfoottextfont
8817   \@preamfntext
8818   \protected@edef\@currentlabel{%
8819     \csname p@footnote\endcsname\@thefnmark}%
8820   \color@begingroup
8821     \@eightcolLTRfootfmt{#1}%
8822   \color@endgroup}%
8823   \m@mmf@prepare}
8824 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8825   \def\baselinestretch{\m@m@footnote@spacing}%
8826   \reset@font\RTLfoottextfont
8827   \@preamfntext
8828   \protected@edef\@currentlabel{%
8829     \csname p@footnote\endcsname\@thefnmark}%
8830   \color@begingroup
8831     \@eightcolRTLfootfmt{#1}%
8832   \color@endgroup}%
8833   \m@mmf@prepare}
8834 \bidi@ensure@newcommand{\@preameightfmt}{%
8835   \hsize .125\hsize
8836   \parindent=\z@
8837   \tolerance=5000\relax
8838   \leavevmode}
8839 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
8840   \@preameightfmt
8841   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8842 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
8843   \@preameightfmt
8844   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8845 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
8846   \@preameightfmt
8847   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8848 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
8849   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8850     \unvbox\@mpfootinsv@r
8851     \def\baselinestretch{\m@m@footnote@spacing}%
8852     \reset@font\foottextfont
8853     \hsize\columnwidth \@parboxrestore
8854     \protected@edef\@currentlabel{%
8855       \csname p@mpfootnote\endcsname\@thefnmark}%
8856     \color@begingroup

```




```

8857 \eightcolfootfmt{#1}%
8858 \color@endgroup}%
8859 \m@mmf@prepare}
8860 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
8861 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8862 \unvbox\@mpfootinsv@r
8863 \def\baselinestretch{\m@m@footnote@spacing}%
8864 \reset@font\LTRfoottextfont
8865 \hsize\columnwidth \@parboxrestore
8866 \ifRTLcolumnfootnotes\beginL\fi
8867 \protected@edef\@currentlabel{%
8868 \csname p@mpfootnote\endcsname\@thefnmark}%
8869 \color@begingroup
8870 \eightcolLTRfootfmt{#1}%
8871 \color@endgroup}%
8872 \m@mmf@prepare}
8873 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
8874 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8875 \unvbox\@mpfootinsv@r
8876 \def\baselinestretch{\m@m@footnote@spacing}%
8877 \reset@font\RTLfoottextfont
8878 \hsize\columnwidth \@parboxrestore
8879 \protected@edef\@currentlabel{%
8880 \csname p@mpfootnote\endcsname\@thefnmark}%
8881 \color@begingroup
8882 \eightcolRTLfootfmt{#1}%
8883 \color@endgroup}%
8884 \m@mmf@prepare}
8885 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
8886 \m@make@eightcolfootnotetext{#1}%
8887 \m@make@mpeightcolfootnotetext{#1}%
8888 \m@make@eightcolfootfmt{#1}%
8889 \m@make@eightcol@footgroup{#1}%
8890 \m@make@mpeightcol@footgroup{#1}%
8891 \m@make@footstart{#1}%
8892 \bidi@namelongdef{\footnotetext#1}##1{%
8893 \@nameuse{\eightcolfootnotetext#1}{##1}}%
8894 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8895 \@nameuse{\mpeightcolfootnotetext#1}{##1}}%
8896 \@namedef{\footgroup#1}{\@nameuse{\eightcol@footgroup#1}}%
8897 \@namedef{\mp@footgroup#1}{\@nameuse{\mpeightcol@footgroup#1}}%
8898 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8899 \expandafter\count\csname footins#1\endcsname=500\relax}
8900 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
8901 \bidi@namelongdef{\eightcolfootnotetext#1}##1{%
8902 \insert\@nameuse{\footins#1}{%
8903 \def\baselinestretch{\m@m@footnote@spacing}%
8904 \reset@font\@nameuse{\foottextfont#1}%
8905 \preamfntext
8906 \protected@edef\@currentlabel{%

```



```

8907 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8908 \color@begingroup
8909 \@nameuse{@eightcolfootfmt#1}{##1}%
8910 \color@endgroup}%
8911 \m@mmf@prepare}}
8912 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
8913 \bidi@namelongdef{@mpeightcolfootnotetext#1}##1{%
8914 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8915 \unvbox\@nameuse{@mpfootins#1}
8916 \def\baselinestretch{\m@m@footnote@spacing}%
8917 \reset@font\@nameuse{foottextfont#1}%
8918 \hsize\columnwidth \parboxrestore
8919 \protected@edef\@currentlabel{%
8920 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8921 \color@begingroup
8922 \@nameuse{@eightcolfootfmt#1}{##1}%
8923 \color@endgroup}\m@mmf@prepare}}
8924 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
8925 \@namedef{@eightcolfootfmt#1}##1{%
8926 \@preameightfmt
8927 {\@nameuse{footfootmark#1}\strut
8928 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8929 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
8930 \@namedef{@eightcol@footgroup#1}{%
8931 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8932 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
8933 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
8934 \@namedef{@mpeightcol@footgroup#1}{%
8935 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8936 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}%
8937 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
8938 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8939 \let\@footnotetext\@ninecolfootnotetext
8940 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
8941 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
8942 \dimen\footinsv@r=9\footinsdim
8943 \count\footinsv@r=111\relax
8944 \m@make@ninecol@footgroup{v@r}%
8945 \let\@footgroupv@r\@ninecol@footgroupv@r
8946 \let\@mpfootnotetext\@mpninecolfootnotetext
8947 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
8948 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
8949 \m@make@mpninecol@footgroup{v@r}%
8950 \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
8951 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8952 \def\baselinestretch{\m@m@footnote@spacing}%
8953 \reset@font\foottextfont
8954 \@preamfntext
8955 \protected@edef\@currentlabel{%
8956 \csname p@footnote\endcsname\@thefnmark}%

```



```

8957 \color@begingroup
8958   \@ninecolfootfmt{#1}%
8959 \color@endgroup}%
8960 \m@mmf@prepare}
8961 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8962 \def\baselinestretch{\m@m@footnote@spacing}%
8963 \reset@font\LTRfoottextfont
8964 \@preamfntext
8965 \protected@edef\@currentlabel{%
8966   \csname p@footnote\endcsname\@thefnmark}%
8967 \color@begingroup
8968   \@ninecolLTRfootfmt{#1}%
8969 \color@endgroup}%
8970 \m@mmf@prepare}
8971 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8972 \def\baselinestretch{\m@m@footnote@spacing}%
8973 \reset@font\RTLfoottextfont
8974 \@preamfntext
8975 \protected@edef\@currentlabel{%
8976   \csname p@footnote\endcsname\@thefnmark}%
8977 \color@begingroup
8978   \@ninecolRTLfootfmt{#1}%
8979 \color@endgroup}%
8980 \m@mmf@prepare}
8981 \bidi@ensure@newcommand{\@preamninefmt}{%
8982 \hspace{.1\hspace}
8983 \parindent=\z@
8984 \tolerance=5000\relax
8985 \leavevmode}
8986 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
8987 \@preamninefmt
8988 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8989 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
8990 \@preamninefmt
8991 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8992 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
8993 \@preamninefmt
8994 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8995 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
8996 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8997   \unvbox\@mpfootinsv@r
8998   \def\baselinestretch{\m@m@footnote@spacing}%
8999   \reset@font\foottextfont
9000   \hspace\columnwidth \@parboxrestore
9001   \protected@edef\@currentlabel{%
9002     \csname p@mpfootnote\endcsname\@thefnmark}%
9003 \color@begingroup
9004   \@ninecolfootfmt{#1}%
9005 \color@endgroup}%
9006 \m@mmf@prepare}

```



```

9007 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9008   \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
9009     \unvbox\@mpfootinsv@r
9010     \def\baselinestretch{\m@m@footnote@spacing}%
9011     \reset@font\LTRfoottextfont
9012     \hsize\columnwidth \@parboxrestore
9013     \if@RTLcolumnfootnotes\beginL\fi
9014     \protected@edef\@currentlabel{%
9015       \csname p@mpfootnote\endcsname\@thefnmark}%
9016     \color@begingroup
9017       \@ninecolLTRfootfmt{#1}%
9018     \color@endgroup}%
9019   \m@m@mmf@prepare}
9020 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9021   \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
9022     \unvbox\@mpfootinsv@r
9023     \def\baselinestretch{\m@m@footnote@spacing}%
9024     \reset@font\RTLfoottextfont
9025     \hsize\columnwidth \@parboxrestore
9026     \protected@edef\@currentlabel{%
9027       \csname p@mpfootnote\endcsname\@thefnmark}%
9028     \color@begingroup
9029       \@ninecolRTLfootfmt{#1}%
9030     \color@endgroup}%
9031   \m@m@mmf@prepare}
9032 \bidi@ensure@newcommand{\@ninecolumnfootstyle}[1]{%
9033   \m@make@ninecolfootnotetext{#1}%
9034   \m@make@mpninecolfootnotetext{#1}%
9035   \m@make@ninecolfootfmt{#1}%
9036   \m@make@ninecol@footgroup{#1}%
9037   \m@make@mpninecol@footgroup{#1}%
9038   \m@make@footstart{#1}%
9039   \bidi@namelongdef{\@footnotetext#1}##1{%
9040     \@nameuse{\@ninecolfootnotetext#1}{##1}}%
9041   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9042     \@nameuse{\@mpninecolfootnotetext#1}{##1}}%
9043   \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
9044   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
9045   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9046   \expandafter\count\csname footins#1\endcsname=500\relax}
9047 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9048   \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
9049     \insert\@nameuse{\footins#1}{%
9050       \def\baselinestretch{\m@m@footnote@spacing}%
9051       \reset@font\@nameuse{\foottextfont#1}%
9052       \@preamfntext
9053       \protected@edef\@currentlabel{%
9054         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9055       \color@begingroup
9056         \@nameuse{\@ninecolfootfmt#1}{##1}%

```



```

9057 \color@endgroup}%
9058 \m@m@mmf@prepare}}
9059 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
9060 \bidi@name@longdef{@mpninecolfootnotetext#1}##1{%
9061 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9062 \unvbox\@nameuse{@mpfootins#1}
9063 \def\baselinestretch{\m@m@footnote@spacing}%
9064 \reset@font\@nameuse{foottextfont#1}%
9065 \hsize\columnwidth \@parboxrestore
9066 \protected@edef\@currentlabel{%
9067 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9068 \color@begingroup
9069 \@nameuse{@ninecolfootfmt#1}{##1}%
9070 \color@endgroup}\m@m@mmf@prepare}}
9071 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9072 \@namedef{@ninecol@footfmt#1}##1{%
9073 \@preamninefmt
9074 {\@nameuse{footfootmark#1}\strut
9075 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9076 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9077 \@namedef{@ninecol@footgroup#1}{%
9078 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9079 \m@m@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
9080 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
9081 \@namedef{@mpninecol@footgroup#1}{%
9082 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9083 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}%
9084 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9085 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9086 \let\@footnotetext\@tencolfootnotetext
9087 \let\@LTRfootnotetext\@tencolLTRfootnotetext
9088 \let\@RTLfootnotetext\@tencolRTLfootnotetext
9089 \dimen\footinsv@r=10\footinsdim
9090 \count\footinsv@r=100\relax
9091 \m@make@tencol@footgroup{v@r}%
9092 \let\@footgroupv@r\@tencol@footgroupv@r
9093 \let\@mpfootnotetext\@mptencolfootnotetext
9094 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9095 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9096 \m@make@mptencol@footgroup{v@r}%
9097 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
9098 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9099 \def\baselinestretch{\m@m@footnote@spacing}%
9100 \reset@font\foottextfont
9101 \@preamfntext
9102 \protected@edef\@currentlabel{%
9103 \csname p@footnote\endcsname\@thefnmark}%
9104 \color@begingroup
9105 \@tencolfootfmt{#1}%
9106 \color@endgroup}%

```



```

g107 \m@mmf@prepare}
g108 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
g109 \def\baselinestretch{\m@m@footnote@spacing}%
g110 \reset@font\LTRfoottextfont
g111 \@preamfntext
g112 \protected@edef\@currentlabel{%
g113 \csname p@footnote\endcsname\@thefnmark}%
g114 \color@begingroup
g115 \@tencolLTRfootfmt{#1}%
g116 \color@endgroup}%
g117 \m@mmf@prepare}
g118 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
g119 \def\baselinestretch{\m@m@footnote@spacing}%
g120 \reset@font\RTLfoottextfont
g121 \@preamfntext
g122 \protected@edef\@currentlabel{%
g123 \csname p@footnote\endcsname\@thefnmark}%
g124 \color@begingroup
g125 \@tencolRTLfootfmt{#1}%
g126 \color@endgroup}%
g127 \m@mmf@prepare}
g128 \bidi@ensure@newcommand{\@preamtenfmt}{%
g129 \hsize .1\hsize
g130 \parindent=\z@
g131 \tolerance=5000\relax
g132 \leavevmode}
g133 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
g134 \@preamtenfmt
g135 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
g136 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
g137 \@preamtenfmt
g138 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
g139 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
g140 \@preamtenfmt
g141 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
g142 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
g143 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
g144 \unvbox\@mpfootinsv@r
g145 \def\baselinestretch{\m@m@footnote@spacing}%
g146 \reset@font\foottextfont
g147 \hsize\columnwidth \@parboxrestore
g148 \protected@edef\@currentlabel{%
g149 \csname p@mpfootnote\endcsname\@thefnmark}%
g150 \color@begingroup
g151 \@tencolfootfmt{#1}%
g152 \color@endgroup}%
g153 \m@mmf@prepare}
g154 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
g155 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
g156 \unvbox\@mpfootinsv@r

```



```

9157 \def\baselinestretch{\m@m@footnote@spacing}%
9158 \reset@font\LTRfoottextfont
9159 \hsize\columnwidth \@parboxrestore
9160 \if@RTLcolumnfootnotes\beginL\fi
9161 \protected@edef\@currentlabel{%
9162   \csname p@mpfootnote\endcsname\@thefnmark}%
9163 \color@begingroup
9164   \@tencolLTRfootfmt{#1}%
9165 \color@endgroup}%
9166 \m@mmf@prepare}
9167 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9168 \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
9169   \unvbox\@mpfootinsv}
9170 \def\baselinestretch{\m@m@footnote@spacing}%
9171 \reset@font\RTLfoottextfont
9172 \hsize\columnwidth \@parboxrestore
9173 \protected@edef\@currentlabel{%
9174   \csname p@mpfootnote\endcsname\@thefnmark}%
9175 \color@begingroup
9176   \@tencolRTLfootfmt{#1}%
9177 \color@endgroup}%
9178 \m@mmf@prepare}
9179 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9180 \m@make@tencolfootnotetext{#1}%
9181 \m@make@mptencolfootnotetext{#1}%
9182 \m@make@tencolfootfmt{#1}%
9183 \m@make@tencol@footgroup{#1}%
9184 \m@make@mptencol@footgroup{#1}%
9185 \m@make@footstart{#1}%
9186 \bidi@namelongdef{\@footnotetext#1}##1{%
9187   \@nameuse{\@tencolfootnotetext#1}{##1}}%
9188 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9189   \@nameuse{\@mptencolfootnotetext#1}{##1}}%
9190 \@namedef{\@footgroup#1}{\@nameuse{\@tencol@footgroup#1}}%
9191 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mptencol@footgroup#1}}%
9192 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9193 \expandafter\count\csname footins#1\endcsname=500\relax}
9194 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9195 \bidi@namelongdef{\@tencolfootnotetext#1}##1{%
9196   \insert\@nameuse{\footins#1}{%
9197     \def\baselinestretch{\m@m@footnote@spacing}%
9198     \reset@font\@nameuse{\foottextfont#1}%
9199     \preamfntext
9200     \protected@edef\@currentlabel{%
9201       \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9202     \color@begingroup
9203       \@nameuse{\@tencolfootfmt#1}{##1}%
9204     \color@endgroup}%
9205     \m@mmf@prepare}}
9206 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%

```



```

9207 \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
9208   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9209     \unvbox\@nameuse{@mpfootins#1}
9210     \def\baselinestretch{\m@mfootnote@spacing}%
9211     \reset@font\@nameuse{foottextfont#1}%
9212     \hsize\columnwidth \@parboxrestore
9213     \protected@edef\@currentlabel{%
9214       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9215     \color@begingroup
9216       \@nameuse{@tencolfootfmt#1}-##1}%
9217     \color@endgroup}\m@mmf@prepare}}
9218 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9219   \@namedef{@tencolfootfmt#1}##1{%
9220     \@preamtenfmt
9221     {\@nameuse{footfootmark#1}\strut
9222       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9223 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9224   \@namedef{@tencol@footgroup#1}{%
9225     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9226     \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
9227 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9228   \@namedef{@mptencol@footgroup#1}{%
9229     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9230     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}%
9231 \bidi@ensure@newcommand{\m@munvxh}[1]{%
9232   \setbox0=\vbox{\unvbox#1%
9233     \global\setbox1=\lastbox}%
9234   \unhbox1
9235   \unskip
9236   \unskip
9237   \unpenalty
9238   \hskip\m@mipn@skip}
9239 \bidi@ensure@newcommand{\m@mungebox}{%
9240   \setbox0=\hbox{\m@munvxh0}%
9241   \dp0=\z@
9242   \ht0=\footfudgefactor\wd0
9243   \box0
9244   \penalty0}
9245 \newskip\m@mipn@skip
9246 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
9247   {\foottextfont\global\m@mipn@skip=#1\relax}}
9248 \m@minterparanoteglue{1em plus.4em minus.4em}
9249 \ifpackageloaded{multicol}{%
9250 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9251   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9252   \hsize\textwidth%
9253   \setbox0=\hbox{}%
9254   \loop
9255     \unpenalty
9256     \setbox2=\lastbox

```




```

9257 \ifhbox2
9258 \setbox0=\hbox{\box2\unhbox0}
9259 \repeat}
9260 }{
9261 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{
9262 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi
9263 \setbox0=\hbox{}
9264 \loop
9265 \unpenalty
9266 \setbox2=\lastbox
9267 \ifhbox2
9268 \setbox0=\hbox{\box2\unhbox0}
9269 \repeat}}
9270 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
9271 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
9272 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
9273 \bidi@ensure@newcommand{\paragraphfootnotes}{
9274 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9275 \let\@footnotetext\@parafootnotetext
9276 \let\@LTRfootnotetext\@paraLTRfootnotetext
9277 \let\@RTLfootnotetext\@paraRTLfootnotetext
9278 \dimen\footinsv@r=\footinsdim
9279 \count\footinsv@r=1000\relax
9280 \m@make@para@footgroup{v@r}%
9281 \let\@footgroupv@r\@para@footgroupv@r
9282 \let\@mpfootnotetext\@mpparafootnotetext
9283 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
9284 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9285 \m@make@mppara@footgroup{v@r}%
9286 \let\mp@footgroupv@r\@mppara@footgroupv@r
9287 {\foottextfont
9288 \dimen0=\baselineskip
9289 \multiply\dimen0 by 1024
9290 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9291 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}
9292 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{\@RTLfalse
9293 \def\baselinestretch{\m@m@footnote@spacing}%
9294 \reset@font\foottextfont
9295 \@preamfntext
9296 \protected@edef\@currentlabel{
9297 \csname p@footnote\endcsname\@thefnmark}%
9298 \setbox0=\vbox{\hsize=\maxdimen
9299 \color@begingroup
9300 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9301 \color@endgroup}%
9302 \m@mungebox}\m@m@prepare}
9303 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{\@RTLfalse
9304 \def\baselinestretch{\m@m@footnote@spacing}%
9305 \reset@font\LTRfoottextfont
9306 \@preamfntext

```



```

9307 \protected@edef\@currentlabel{%
9308 \csname p@footnote\endcsname\@thefnmark}%
9309 \setbox0=\vbox{\hsize=\maxdimen
9310 \color@begingroup
9311 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9312 \color@endgroup}%
9313 \m@mungebox}\m@mmf@prepare}
9314 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLfalse
9315 \def\baselinestretch{\m@m@footnote@spacing}%
9316 \reset@font\RTLfoottextfont
9317 \@preamfntext
9318 \protected@edef\@currentlabel{%
9319 \csname p@footnote\endcsname\@thefnmark}%
9320 \setbox0=\vbox{\hsize=\maxdimen
9321 \color@begingroup
9322 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9323 \color@endgroup}%
9324 \m@mungebox}\m@mmf@prepare}
9325 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
9326 \parindent=\z@
9327 \parfillskip=Opt \@plus 1fil
9328 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9329 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
9330 \parindent=\z@
9331 \parfillskip=Opt \@plus 1fil
9332 {\footfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9333 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
9334 \parindent=\z@
9335 \parfillskip=Opt \@plus 1fil
9336 {\footfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9337 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9338 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9339 \unvbox\@mpfootinsv@r
9340 \def\baselinestretch{\m@m@footnote@spacing}%
9341 \reset@font\foottextfont
9342 \hsize\columnwidth \@parboxrestore
9343 \protected@edef\@currentlabel{%
9344 \csname p@mpfootnote\endcsname\@thefnmark}%
9345 \setbox0=\vbox{\hsize=\maxdimen
9346 \color@begingroup
9347 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9348 \color@endgroup}%
9349 \m@mungebox}\m@mmf@prepare}
9350 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9351 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9352 \unvbox\@mpfootinsv@r
9353 \def\baselinestretch{\m@m@footnote@spacing}%
9354 \reset@font\LTRfoottextfont
9355 \hsize\columnwidth \@parboxrestore
9356 \protected@edef\@currentlabel{%

```



```

9357 \csname p@mpfootnote\endcsname\@thefnmark}%
9358 \setbox0=\vbox{\hsize=\maxdimen
9359 \color@begingroup
9360 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9361 \color@endgroup}%
9362 \m@mungebox}\m@mmf@prepare}
9363 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9364 \global\setbox\@mpfootinsv\@r\vbox{\@RTLfalse%
9365 \unvbox\@mpfootinsv@r
9366 \def\baselinestretch{\m@m@footnote@spacing}%
9367 \reset@font\RTLfoottextfont
9368 \hsize\columnwidth \@parboxrestore
9369 \protected@edef\@currentlabel{%
9370 \csname p@mpfootnote\endcsname\@thefnmark}%
9371 \setbox0=\vbox{\hsize=\maxdimen
9372 \color@begingroup
9373 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9374 \color@endgroup}%
9375 \m@mungebox}\m@mmf@prepare}
9376 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9377 \m@make@parafootnotetext{#1}%
9378 \m@make@mpparafootnotetext{#1}%
9379 \m@make@parafootfmt{#1}%
9380 \m@make@para@footgroup{#1}%
9381 \m@make@mppara@footgroup{#1}%
9382 \m@make@para@footstart{#1}%
9383 \bidi@namelongdef{\@footnotetext#1}##1{%
9384 \@nameuse{\@parafootnotetext#1}{##1}}%
9385 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9386 \@nameuse{\@mpparafootnotetext#1}{##1}}%
9387 \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
9388 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
9389 \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
9390 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9391 \expandafter\count\csname footins#1\endcsname=1000\relax
9392 {\@nameuse{\foottextfont#1}%
9393 \dimen0=\baselineskip
9394 \multiply\dimen0 by 1024
9395 \divide\dimen0 by \hsize \multiply\dimen0 by 64
9396 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9397 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9398 \bidi@namelongdef{\@parafootnotetext#1}##1{%
9399 \insert\@nameuse{\footins#1}{
9400 \def\baselinestretch{\m@m@footnote@spacing}%
9401 \reset@font\@nameuse{\foottextfont#1}%
9402 \@preamfntext
9403 \protected@edef\@currentlabel{%
9404 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9405 \setbox0=\vbox{\hsize=\maxdimen
9406 \color@begingroup

```



```

9407      \noindent \@nameuse{@parafootfmt#1}{##1}%
9408      \color@endgroup}%
9409      \m@ungebox}\m@mmf@prepare}}
9410 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9411 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
9412 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9413 \unvbox\@nameuse{@mpfootins#1}
9414 \def\baselinestretch{\m@m@footnote@spacing}%
9415 \reset@font\@nameuse{foottextfont#1}%
9416 \hsize\columnwidth \@parboxrestore
9417 \protected@edef\@currentlabel{%
9418 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9419 \setbox0=\vbox{\hsize=\maxdimen
9420 \color@begingroup
9421 \noindent \@nameuse{@parafootfmt#1}{##1}%
9422 \color@endgroup}%
9423 \m@ungebox}\m@mmf@prepare}}
9424 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9425 \bidi@namelongdef{@parafootfmt#1}##1{%
9426 \parindent=\z@
9427 \parfillskip=Opt \@plus 1fil
9428 {\@nameuse{footfootmark#1}\strut
9429 {\@nameuse{foottextfont#1}##1}\penalty-10}}
9430 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9431 \@namedef{@para@footgroup#1}{%
9432 \unvbox\@nameuse{footins#1}
9433 \m@mmakehboxofhboxes
9434 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9435 \@nameuse{foottextfont#1}%
9436 \noindent\unhbox0\par}}
9437 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9438 \@namedef{@mppara@footgroup#1}{%
9439 \unvbox\@nameuse{@mpfootins#1}
9440 \m@mmakehboxofhboxes
9441 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9442 \@nameuse{foottextfont#1}%
9443 \noindent\unhbox0\par}}
9444 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9445 \@namedef{@para@footstart#1}{%
9446 \vskip\bigskipamount
9447 \leftskip=\z@
9448 \rightskip=\z@
9449 \parindent=\z@
9450 \vskip\skip\@nameuse{footins#1}%
9451 \footnoterule}}
9452 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
9453 \xdef\@freelist{\@freelist\@midlist}%
9454 \global\let\@midlist\@empty
9455 \@combinefloats}
9456 \bidi@ensure@newcommand*{\m@m@makecoltext}{%

```



```

9457 \ifvbox\@kludgeins
9458 \@makespecialcolbox
9459 \else
9460 \setbox\@outputbox \vbox to\@colht{%
9461 \@texttop
9462 \dimen@ \dp\@outputbox
9463 \unvbox \@outputbox
9464 \vskip -\dimen@
9465 \@textbottom}%
9466 \fi}
9467 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
9468 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
9469 \boxmaxdepth\@maxdepth
9470 \@tempdima\dp\@cclv
9471 \unvbox\@cclv
9472 \vskip-\@tempdima
9473 \vskip \skip\footins
9474 \color@begingroup
9475 \normalcolor
9476 \footnoterule
9477 \unvbox \footins
9478 \color@endgroup}}
9479 \bidi@ensure@newcommand*{\m@mopsidebar}{%
9480 \ifvoid\sideins\else
9481 \setbox\@outputbox \vbox{%
9482 \sidecontents
9483 \unvbox\@outputbox}
9484 \fi}
9485 \gdef\mem@m@makecol{%
9486 \m@m@makecolintro
9487 \ifvoid\footins
9488 \setbox\@outputbox \box\@cclv
9489 \else
9490 \m@mopfootnote
9491 \fi
9492 \m@m@doextrafeet
9493 \m@m@m@makecolfloats
9494 \m@mopsidebar
9495 \m@m@m@makecoltext
9496 \global \maxdepth \@maxdepth}
9497 \bidi@ensure@newcommand{\feetabovelfloat}{\gdef\@makecol{\mem@m@makecol}}
9498 \feetabovelfloat%

```

7.55 extreport-xetex-bidi.def

```

9499 \ProvidesFile{extreport-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for extreport class for
9500 \renewcommand*\l@part[2]{%
9501 \ifnum \c@tocdepth >-2\relax
9502 \addpenalty{-\@highpenalty}%
9503 \addvspace{2.25em \@plus\p@}%

```



```

9504 \begingroup
9505 \setlength\@tempdima{3em}%
9506 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9507 \parfillskip -\@pnumwidth
9508 {\leavevmode
9509 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9510 \nobreak
9511 \global\@nobreaktrue
9512 \everypar{\global\@nobreakfalse\everypar{}}%
9513 \endgroup
9514 \fi}
9515 \renewcommand*\l@chapter[2]{%
9516 \ifnum \c@tocdepth >\m@ne
9517 \addpenalty{-\@highpenalty}%
9518 \vskip 1.0em \@plus\p@
9519 \setlength\@tempdima{1.5em}%
9520 \begingroup
9521 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9522 \parfillskip -\@pnumwidth
9523 \leavevmode \bfseries
9524 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9525 \hskip -\if@RTL\rightskip\else\leftskip\fi
9526 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9527 \penalty\@highpenalty
9528 \endgroup
9529 \fi}
9530 \def\@makechapterhead#1{%
9531 \vspace*{50\p@}%
9532 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9533 \ifnum \c@secnumdepth >\m@ne
9534 \huge\bfseries \@chapapp\space \thechapter
9535 \par\nobreak
9536 \vskip 20\p@
9537 \fi
9538 \interlinepenalty\@M
9539 \Huge \bfseries #1\par\nobreak
9540 \vskip 40\p@
9541 }}
9542 \def\@makeschapterhead#1{%
9543 \vspace*{50\p@}%
9544 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9545 \normalfont
9546 \interlinepenalty\@M
9547 \Huge \bfseries #1\par\nobreak
9548 \vskip 40\p@
9549 }}
9550 \renewcommand\left@footnoterule{%
9551 \kern-3\p@
9552 \hrule\@width.4\columnwidth
9553 \kern2.6\p@}

```



```

9554 \renewcommand\right@footnoterule{%
9555   \hbox to \columnwidth
9556   {\beginR \vbox{%
9557     \kern-3\p@
9558     \hrule\@width.4\columnwidth
9559     \kern2.6\p@\hfil\endR}}
9560 \renewenvironment{thebibliography}[1]
9561   {\chapter*{\bibname
9562     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9563   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9564   \list{\@biblabel{\@arabic\c@enumiv}}%
9565     {\settowidth\labelwidth{\@biblabel{#1}}%
9566     \leftmargin\labelwidth
9567     \advance\leftmargin\labelsep
9568     \@openbib@code
9569     \usecounter{enumiv}%
9570     \let\p@enumiv\@empty
9571     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9572   \sloppy\clubpenalty4000\widowpenalty4000%
9573   \sfcode`.\@m}
9574   {\def\@noitemerr
9575     {\@latex@warning{Empty `thebibliography' environment}}%
9576   \endlist}
9577 \if@titlepage
9578 \renewcommand\maketitle{\begin{titlepage}%
9579 \let\footnotesize\small
9580 \let\right@footnoterule\relax
9581 \let\left@footnoterule\relax
9582 \let\textwidth\footnoterule\relax
9583 \let \footnote \thanks
9584 \null\vfil
9585 \vskip 60\p@
9586 \begin{center}%
9587   {\LARGE \@title \par}%
9588   \vskip 3em%
9589   {\large
9590     \lineskip .75em%
9591     \begin{tabular}[t]{c}%
9592       \@author
9593     \end{tabular}\par}%
9594     \vskip 1.5em%
9595     {\large \@date \par}%           % Set date in \large size.
9596 \end{center}\par
9597 \thanks
9598 \vfil\null
9599 \end{titlepage}%
9600 \setcounter{footnote}{0}%
9601 \global\let\thanks\relax
9602 \global\let\maketitle\relax
9603 \global\let\@thanks\@empty

```



```

9604 \global\let\@author\@empty
9605 \global\let\@date\@empty
9606 \global\let\@title\@empty
9607 \global\let\title\relax
9608 \global\let\author\relax
9609 \global\let\date\relax
9610 \global\let\and\relax
9611 }
9612 \else
9613 \renewcommand\maketitle{\par
9614 \begingroup
9615 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9616 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9617 \long\def\@makefntext##1{\parindent 1em\noindent
9618 \hb@xt@1.8em{%
9619 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9620 \if@twocolumn
9621 \ifnum \col@number=\@ne
9622 \@maketitle
9623 \else
9624 \twocolumn[\@maketitle]%
9625 \fi
9626 \else
9627 \newpage
9628 \global\@topnum\z@ % Prevents figures from going at top of page.
9629 \@maketitle
9630 \fi
9631 \thispagestyle{plain}\@thanks
9632 \endgroup
9633 \setcounter{footnote}{0}%
9634 \global\let\thanks\relax
9635 \global\let\maketitle\relax
9636 \global\let\@maketitle\relax
9637 \global\let\@thanks\@empty
9638 \global\let\@author\@empty
9639 \global\let\@date\@empty
9640 \global\let\@title\@empty
9641 \global\let\title\relax
9642 \global\let\author\relax
9643 \global\let\date\relax
9644 \global\let\and\relax
9645 }
9646 \def\@maketitle{%
9647 \newpage
9648 \null
9649 \vskip 2em%
9650 \begin{center}%
9651 \let \footnote \thanks
9652 {\LARGE \@title \par}%
9653 \vskip 1.5em%

```




```

9654     {\large
9655       \lineskip .5em%
9656       \begin{tabular}[t]{c}%
9657         \@author
9658       \end{tabular}\par}%
9659     \vskip 1em%
9660     {\large \@date}%
9661   \end{center}%
9662   \par
9663   \vskip 1.5em}
9664 \fi
9665 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
9666 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9667 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9668 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9669 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9670 \renewcommand\theequation{%
9671   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9672 \renewcommand\thefigure{%
9673   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9674 \renewcommand\thetable{%
9675   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

7.56 fancybox-xetex-bidi.def

```

9676 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
9677 \def\fancy@oval#1#2#3{%
9678   \boxmaxdepth \maxdimen
9679   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
9680   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
9681   \@ovxx#1\relax
9682   \advance\@ovxx-\@wholewidth
9683   \@ovyy#2\relax
9684   \advance\@ovyy-\@wholewidth
9685   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
9686   \advance\@tempdimb-2\p@
9687   \ifdim\@tempdimb>\the@cornersize\relax
9688     \@tempdimb=\the@cornersize
9689   \fi
9690   \@getcirc\@tempdimb
9691   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
9692   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
9693   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
9694   \@circlefnt
9695   \setbox\@tempboxa\hbox{\beginL%
9696     \if@ovr \@ovvert32\kern -\@tempdima \fi
9697     \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
9698     \if@ovt \@ovhorz \kern -\@ovxx \fi
9699     \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
9700   \advance\@ovdx\@ovro

```



```

9701 \advance\@ovdy\@ovro
9702 \advance\@ovxx\@wholewidth
9703 \wd\@tempboxa=\@ovxx
9704 \dp\@tempboxa=\z@}

```

7.57 fancyhdr-xetex-bidi.def

```

9705 \ProvidesFile{fancyhdr-xetex-bidi.def}[2012/04/18 v0.4 bidi adaptations for fancyhdr package for
9706 \let\fnch@everypar\everypar%
9707 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
9708 \@fancyvbox\headheight{\hbox
9709 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
9710 \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else
9711 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma
9712 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
9713 \@fancyvbox\footskip{\footrule
9714 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
9715 \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else
9716 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma

```

7.58 fix2col-xetex-bidi.def

```

9717 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for X
9718 \def\RTL@outputdblcol{%
9719 \if@firstcolumn
9720 \global\@firstcolumnfalse
9721 \global\setbox\@leftcolumn\copy\@outputbox
9722 \splitmaxdepth\maxdimen
9723 \vbadness\maxdimen
9724 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9725 \toks@{\expandafter{\topmark}}%
9726 \xdef\@firstcoltopmark{\the\toks@}%
9727 \toks@{\expandafter{\splitfirstmark}}%
9728 \xdef\@firstcolfirstmark{\the\toks@}%
9729 \ifx\@firstcolfirstmark\@empty
9730 \global\let\@setmarks\relax
9731 \else
9732 \gdef\@setmarks{%
9733 \let\firstmark\@firstcolfirstmark
9734 \let\topmark\@firstcoltopmark}%
9735 \fi
9736 \else \global\@firstcolumntrue
9737 \setbox\@outputbox \vbox {\hbox to\textwidth {%
9738 \hskip \columnwidth
9739 \hfil \vrule width\columnseprule \hfil
9740 \hbox to\columnwidth {\box\@leftcolumn \hss}%
9741 \hskip -\textwidth
9742 \hbox to\columnwidth{\box\@outputbox \hss}%
9743 \hskip \columnsep
9744 \hskip \columnwidth }}%
9745 \@combinedblfloats \@setmarks \@outputpage

```



```

9746 \begingroup \@dblfloatplacement \@startdblcolumn
9747 \@whilesw\if@fcolmade \fi
9748 {\@outputpage \@startdblcolumn }\endgroup
9749 \fi}
9750 \def\LTR@outputdblcol{%
9751   \if@firstcolumn
9752     \global\@firstcolumnfalse
9753     \global\setbox\@leftcolumn\copy\@outputbox
9754     \splitmaxdepth\maxdimen
9755     \vbadness\maxdimen
9756     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9757     \toks@{\expandafter{\topmark}}%
9758     \xdef\@firstcoltopmark{\the\toks@}%
9759     \toks@\expandafter{\splitfirstmark}%
9760     \xdef\@firstcolfirstmark{\the\toks@}%
9761     \ifx\@firstcolfirstmark\@empty
9762       \global\let\@setmarks\relax
9763     \else
9764       \gdef\@setmarks{%
9765         \let\firstmark\@firstcolfirstmark
9766         \let\topmark\@firstcoltopmark}%
9767     \fi
9768   \else
9769     \global\@firstcolumntrue
9770     \setbox\@outputbox\vbox{%
9771       \hb@xt@\textwidth{%
9772         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
9773         \hfil
9774         \vrule \@width\columnseprule
9775         \hfil
9776         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
9777   \@combinedblfloats
9778   \@setmarks
9779   \@outputpage
9780   \begingroup
9781     \@dblfloatplacement
9782     \@startdblcolumn
9783     \@whilesw\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
9784   \endgroup
9785 \fi}

```

7.59 fleqn-xetex-bidi.def

```

9786 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX eng
9787 \renewcommand\[{ \relax
9788   \ifmmode\@badmath
9789   \else
9790     \begin{trivlist}%
9791       \@beginparpenalty\predisplaypenalty
9792       \endparpenalty\postdisplaypenalty

```



```

9793             \item[]\leavevmode
9794             \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
9795             \hskip\mathindent\bgroup
9796         \fi}
9797 \renewcommand\]{\relax
9798         \ifmmode
9799             \egroup $\hfil% $
9800             \endL\egroup
9801             \end{trivlist}%
9802         \else \@badmath
9803         \fi}
9804 \renewenvironment{equation}%
9805     {\@beginparpenalty\predisplaypenalty
9806     \@endparpenalty\postdisplaypenalty
9807     \refstepcounter{equation}%
9808     \trivlist \item[]\leavevmode
9809     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
9810     \displaystyle
9811     \hskip\mathindent}%
9812     {$\hfil % $
9813     \displaywidth\linewidth\hbox{\@eqnnum}%
9814     \endL\egroup
9815     \endtrivlist}

```

7.60 float-xetex-bidi.def

```

9816 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
9817 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
9818 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
9819 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
9820 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
9821     \expandafter\edef\csname the#1\endcsname{%
9822     \expandafter\noexpand\csname
9823     the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
9824     {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

7.61 floatrow-xetex-bidi.def

```

9825 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeTeX]
9826 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
9827     \expandafter\edef\csname theFB@captype\endcsname{%
9828     \expandafter\noexpand\csname
9829     the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}

```

7.62 flowfram-xetex-bidi.def

```

9830 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for XeTeX]
9831 \def\@outputdblcol{%
9832     \@nxtcol=\c@thisframe
9833     \c@curpg=\c@page
9834     \@g@tnextcol{\@nxtcol}%
9835     \if@ff@nwp@ % next flow frame starts on new page

```



```

9836 \global\@firstcolumntrue
9837 \@setcolbox\c@thisframe
9838 \if@specialpage
9839   \global\@specialpagefalse
9840   \@nameuse{ps@\@specialstyle}\relax
9841 \fi
9842 \if@twoside
9843   \ifodd\count\z@
9844     \let\@thehead\@oddhead
9845     \let\@thefoot\@oddfoot
9846   \else
9847     \let\@thehead\@evenhead
9848     \let\@thefoot\@evenfoot
9849   \fi
9850 \else
9851   \let\@thehead\@oddhead
9852   \let\@thefoot\@oddfoot
9853 \fi
9854 \@begindvi
9855 \@dodynamicthehead\@dodynamicthefoot
9856 \vbadness=\@M
9857 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}}%
9858 \@combinedblfloats
9859 \@outputpage
9860 \advance\c@curpg by -\c@page\relax
9861 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
9862   \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}}%
9863 \@outputpage}
9864 \begingroup
9865   \@dblfloatplacement
9866   \@startdblcolumn
9867   \@whilesw \if@fcolmade \fi
9868     {\@outputpage \@startdblcolumn }\endgroup
9869 \@resetst@tics
9870 \@resetdyn@mics
9871 \else % still on same page, save contents of box255
9872   \global\@firstcolumnfalse
9873   \@setcolbox\c@thisframe
9874 \fi
9875 \global\c@thisframe=\@nxtcol
9876 \@setcol{\c@thisframe}\relax
9877 \global\@colht\vsiz
9878 }
9879 \def\@outputpage{%
9880 \begingroup
9881   \let\protect\noexpand
9882   \@resetactivechars
9883   \global\let\@@if@newlist\if@newlist
9884   \global\@newlistfalse\@parboxrestore
9885   \shipout\vbox{\set@typeset@protect

```



```

9886 \aftergroup
9887 \endgroup
9888 \aftergroup
9889 \set@typeset@protect
9890 \reset@font\normalsize\normalsfcodes
9891 \let\label\@gobble
9892 \let\index\@gobble
9893 \let\glossary\@gobble
9894 \baselineskip\z@skip
9895 \lineskip\z@skip
9896 \lineskiplimit\z@
9897 \vskip\topmargin\moveright\@themargin
9898 \vbox{%
9899 \vskip\headheight
9900 \vskip\headsep
9901 \box\@outputbox
9902 }%
9903 \global\let\if@newlist\@if@newlist
9904 \stepcounter{page}%
9905 \setcounter{displayedframe}{0}%
9906 \let\firstmark\botmark}
9907
9908
9909 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
9910 \expandafter\bidicolor\ff@txtcol}}
9911
9912 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
9913 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
9914
9915
9916 \renewcommand*{\@docolbox}[1]{%
9917 \edef\ff@frametype{%
9918 \csname @ff@frametype@\romannumeral#1\endcsname}%
9919 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
9920 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
9921 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
9922 \@ff@setoffset{#1}%
9923 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
9924 \ifthenelse{\boolean{columnframe\romannumeral#1}}{\}%
9925 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
9926 {\csname colheight\romannumeral#1\endcsname}{%
9927 \expandafter\box\csname column\romannumeral#1\endcsname}{%
9928 \csname\ff@frametype\endcsname}%
9929 }{%
9930 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
9931 {\csname colheight\romannumeral#1\endcsname}{%
9932 \expandafter\box\csname column\romannumeral#1\endcsname}%
9933 }}%
9934 \ifclassloaded{book}{%
9935 \renewcommand\theequation

```



```

9936 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9937 \renewcommand \thefigure
9938     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9939 \renewcommand \thetable
9940     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9941 \renewcommand \thechapter {\@arabic\c@chapter}
9942 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9943 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9944 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
9945 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9946 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
9947 \@ifclassloaded{report}{%
9948 \renewcommand \theequation
9949     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9950 \renewcommand \thefigure
9951     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9952 \renewcommand \thetable
9953     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9954 \renewcommand \thechapter {\@arabic\c@chapter}
9955 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9956 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9957 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
9958 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9959 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
9960 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
9961 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
9962 \else
9963 #2\relax
9964 \fi}

```

7.63 footnote-xetex-bidi.def

```

9965 \ProvidesFile{footnote-xetex-bidi.def}[2013/04/26 v0.8 bidi footnote macros for XeTeX engine]
9966 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
9967 \newif\ifbidi@autofooterule
9968 \def\bidi@mpfootnoterule{\footnoterule}
9969 \newcounter{footdir@label}
9970 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
9971 \newcommand*{\footdir@write}{%
9972 \stepcounter{footdir@label}%
9973 \zref@labelbyprops{\thefootdir@label}{abspage}%
9974 }
9975 \newif\iffootdir@debug
9976 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
9977 \newtoks\footdir@toks
9978 \newcommand*{\footdir@debug}[1]{%
9979 \iffootdir@debug
9980 \typeout{[footdir] #1}%
9981 \fi
9982 }

```



```

9983 \@ifpackagelater{zref-abspage}{2012/10/27}{%
9984   \newcommand*{\footdir@LeftRightElse}{%
9985     \ltx@ifundefined{footdir@the\value{zabspage}}{%
9986       \footdir@debug{abspage \the\value{zabspage}: else}%
9987       \ltx@thirdofthree
9988     }{%
9989       \if\csname footdir@the\value{zabspage}\endcsname L%
9990         \footdir@debug{abspage \the\value{zabspage}: left}%
9991         \expandafter\ltx@firstofthree
9992       \else
9993         \footdir@debug{abspage \the\value{zabspage}: right}%
9994         \expandafter\ltx@secondofthree
9995       \fi
9996     }%
9997   }%
9998 }{%
9999   \providecommand*{\c@zabspage}{\c@abspage}%
10000   \newcommand*{\footdir@LeftRightElse}{%
10001     \footdir@write
10002     \zifrefundefined{\thefootdir@label}{%
10003       \footdir@debug{abspage ??: else}%
10004       \ltx@thirdofthree
10005     }{%
10006       \edef\footdir@abspage{%
10007         \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10008       }%
10009       \ltx@ifundefined{footdir@\footdir@abspage}{%
10010         \footdir@debug{\footdir@abspage: else}%
10011         \ltx@thirdofthree
10012       }{%
10013         \if\csname footdir@\footdir@abspage\endcsname L%
10014           \footdir@debug{\footdir@abspage: left}%
10015           \expandafter\ltx@firstofthree
10016         \else
10017           \footdir@debug{\footdir@abspage: right}%
10018           \expandafter\ltx@secondofthree
10019         \fi
10020       }%
10021     }%
10022   }%
10023 }
10024 \newcommand*{\footdir@fntext}[1]{%
10025   \zifrefundefined{\thefootdir@label}{%
10026   }{%
10027     \edef\footdir@name{%
10028       footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10029     }%
10030     \@ifundefined{\footdir@name}{%
10031       \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10032     }{}%

```




```

10033 }%
10034 }
10035
10036 \newcommand*{\footdir@temp}[3]{%
10037   \@ifdefinable{#1}{%
10038     \let#1#2%
10039     \renewcommand{#2}[1]{%
10040       \footdir@write
10041       \footdir@fntext{#3}%
10042       \stepcounter{footdir@label}%
10043       \footdir@fntext{#3}%
10044       \footdir@toks{##1}%
10045       \footdir@toks\expandafter{%
10046         \the\expandafter\footdir@toks
10047         \expandafter
10048         \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
10049       }%
10050       \expandafter#1\expandafter{\the\footdir@toks}%
10051     }%
10052   }%
10053 }
10054
10055 \def\right@footnoterule{%
10056   \hbox to \columnwidth
10057   {\beginR \vbox{\kern -3\p@
10058     \hrule width .4\columnwidth \kern2.6\p@\hfil\endR}}
10059 \def\left@footnoterule{%
10060   \hrule width .4\columnwidth\kern 2.6\p@}
10061 \def\textwidth@footnoterule{\kern-3\p@
10062   \hrule \@width \columnwidth \kern 2.6\p@}
10063 \def\leftfootnoterule{%
10064   \bidi@autofootnoterulefalse%
10065   \def\footnoterule{\left@footnoterule}}
10066 \let\LRfootnoterule=\leftfootnoterule
10067 \def\rightfootnoterule{%
10068   \bidi@autofootnoterulefalse%
10069   \def\footnoterule{\right@footnoterule}}
10070 \def\textwidthfootnoterule{%
10071   \bidi@autofootnoterulefalse%
10072   \def\footnoterule{\textwidth@footnoterule}}
10073
10074
10075
10076 \def\auto@footnoterule{%
10077   \footdir@LeftRightElse%
10078   \left@footnoterule%
10079   \right@footnoterule%
10080   \left@footnoterule%
10081 }
10082

```



```

10083
10084
10085 \def\autofootnoterule{%
10086 \bidi@autofootnoteruletrue%
10087 \def\footnoterule{\auto@footnoterule}%
10088 }
10089
10090 \newcommand*\SplitFootnoteRule{%
10091 \gdef\split@prev{0}
10092 \let\pagefootnoterule\footnoterule
10093 \let\mpfootnoterule\footnoterule
10094 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10095 \def\footnoterule{\relax
10096 \ifx \@listdepth\@mplistdepth
10097 \mpfootnoterule
10098 \else
10099 \ifnum\split@prev=\z@
10100 \pagefootnoterule
10101 \else
10102 \splitfootnoterule
10103 \fi
10104 \xdef\split@prev{\the\insertpenalties}%
10105 \fi
10106 }%
10107 }
10108
10109
10110
10111
10112 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10113 \protected@xdef\@thefnmark{\thempfn}%
10114 \@footnotemark\@RTLfootnotetext}}
10115 \def\@xRTLfootnote[#1]{%
10116 \begingroup
10117 \csname c@\@mpfn\endcsname #1\relax
10118 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10119 \endgroup
10120 \@footnotemark\@RTLfootnotetext}
10121 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10122 \protected@xdef\@thefnmark{\thempfn}%
10123 \@footnotemark\@LTRfootnotetext}}
10124 \def\@xLTRfootnote[#1]{%
10125 \begingroup
10126 \csname c@\@mpfn\endcsname #1\relax
10127 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10128 \endgroup
10129 \@footnotemark\@LTRfootnotetext}
10130
10131
10132 \def\setfootnoteRL{\@RTL@footnotetrue}

```



```

10133 \def\unsetfootnoteRL{\@RTL@footnotefalse}
10134 \def\setfootnoteLR{\unsetfootnoteRL}
10135
10136 \long\def\@footnotetext#1{\insert\footins{%
10137     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10138     \reset@font\footnotesize
10139     \interlinepenalty\interfootnotelinepenalty
10140     \splittopskip\footnotesep
10141     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10142     \hsize\columnwidth \@parboxrestore
10143     \protected@edef\@currentlabel{%
10144         \csname p@footnote\endcsname\@thefnmark
10145     }%
10146     \color@begingroup
10147         \@makefntext{%
10148             \rule{z@}{\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
10149     \color@endgroup}}%
10150
10151
10152 \long\def\@RTLfootnotetext#1{\insert\footins{%
10153     \@RTLtrue%
10154     \reset@font\footnotesize
10155     \interlinepenalty\interfootnotelinepenalty
10156     \splittopskip\footnotesep
10157     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10158     \hsize\columnwidth \@parboxrestore
10159     \protected@edef\@currentlabel{%
10160         \csname p@footnote\endcsname\@thefnmark
10161     }%
10162     \color@begingroup
10163         \@makefntext{%
10164             \rule{z@}{\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
10165     \color@endgroup}}%
10166
10167 \long\def\@LTRfootnotetext#1{\insert\footins{%
10168     \@RTLfalse%
10169     \reset@font\footnotesize
10170     \interlinepenalty\interfootnotelinepenalty
10171     \splittopskip\footnotesep
10172     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10173     \hsize\columnwidth \@parboxrestore
10174     \protected@edef\@currentlabel{%
10175         \csname p@footnote\endcsname\@thefnmark
10176     }%
10177     \color@begingroup
10178         \@makefntext{%
10179             \rule{z@}{\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
10180     \color@endgroup}}%
10181
10182 \AtBeginDocument{%

```



```

10183 \if@RTL@footnote
10184   \newcommand*{\bidi@footdir@footnote}{R}
10185 \else
10186   \newcommand*{\bidi@footdir@footnote}{L}
10187 \fi%
10188 }
10189
10190 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10191 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10192 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10193
10194 \long\def\@mpRTLfootnotetext#1{%
10195   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnote
10196   \global\setbox\@mpfootins\vbox{\@RTLtrue%
10197     \unvbox\@mpfootins
10198     \reset@font\footnotesize
10199     \hsize\columnwidth
10200     \@parboxrestore
10201     \protected@edef\@currentlabel
10202       {\csname p@mpfootnote\endcsname\@thefnmark}%
10203     \color@begingroup
10204       \@makefntext{%
10205         \rule{\z@}{\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
10206     \color@endgroup}}
10207 \long\def\@mpLTRfootnotetext#1{%
10208   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnote
10209   \global\setbox\@mpfootins\vbox{\@RTLfalse%
10210     \unvbox\@mpfootins
10211     \reset@font\footnotesize
10212     \hsize\columnwidth
10213     \@parboxrestore
10214     \protected@edef\@currentlabel
10215       {\csname p@mpfootnote\endcsname\@thefnmark}%
10216     \color@begingroup
10217       \@makefntext{%
10218         \rule{\z@}{\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
10219     \color@endgroup}}
10220 \long\def\@mpfootnotetext#1{%
10221   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
10222   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10223     \unvbox\@mpfootins
10224     \reset@font\footnotesize
10225     \hsize\columnwidth
10226     \@parboxrestore
10227     \protected@edef\@currentlabel
10228       {\csname p@mpfootnote\endcsname\@thefnmark}%
10229     \color@begingroup
10230       \@makefntext{%
10231         \rule{\z@}{\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
10232     \color@endgroup}}

```



```

10233 \def\@iiiminipage#1#2[#3]#4{%
10234   \leavevmode
10235   \@pboxswfalse
10236   \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
10237   \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10238   \setlength\@tempdima{#4}%
10239   \def\@mpargs{#{1}#{2}#{3}#{4}}%
10240   \setbox\@tempboxa\vbox\bgroup
10241     \color@begingroup
10242     \hsize\@tempdima
10243     \textwidth\hsize \columnwidth\hsize
10244     \@parboxrestore
10245     \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10246     \let\@footnotetext\@mpfootnotetext
10247     \let\@LTRfootnotetext\@mpLTRfootnotetext
10248     \let\@RTLfootnotetext\@mpRTLfootnotetext
10249     \let\@listdepth\@mplistdepth \@mplistdepth\z@
10250     \@minipagerestore
10251     \@setminipage}
10252 \def\endminipage{%
10253   \par
10254   \unskip
10255   \ifvoid\@mpfootins\else
10256     \vskip\skip\@mpfootins
10257     \normalcolor
10258     \bidi@mpfootnoterule
10259     \unvbox\@mpfootins
10260   \fi
10261   \@minipagefalse %% added 24 May 89
10262   \color@endgroup
10263   \egroup
10264   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10265 \def\LTRthanks#1{\footnotemark
10266   \protected@xdef\@thanks{\@thanks
10267     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
10268 }
10269 \def\LTRfootnotetext{%
10270   \@ifnextchar [\@xLTRfootnotenext
10271     {\protected@xdef\@thefnmark{\thempfn}%
10272     \@LTRfootnotetext}}
10273 \def\@xLTRfootnotenext[#1]{%
10274   \begingroup
10275     \csname c@\@mpfn\endcsname #1\relax
10276     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10277   \endgroup
10278   \@LTRfootnotetext}
10279 \def\RTLthanks#1{\footnotemark
10280   \protected@xdef\@thanks{\@thanks
10281     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
10282 }

```



```

10283 \let\@thanks\@empty
10284 \def\RTLfootnotetext{%
10285     \ifnextchar [\@xRTLfootnotenext
10286         {\protected@xdef\@thefnmark{\thempfn}%
10287         \@RTLfootnotetext}}
10288 \def\@xRTLfootnotenext[#1]{%
10289     \begingroup
10290         \csname c@\mpfn\endcsname #1\relax
10291         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10292     \endgroup
10293     \@RTLfootnotetext}
10294 \leftfootnoterule

```

7.64 framed-xetex-bidi.def

```

10295 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
10296 \renewcommand\TitleBarFrame[3][\begingroup
10297     \ifx\delimiter#1\delimiter
10298         \let\TF@conlab\@empty
10299     \else
10300         \def\TF@conlab{% continuation label
10301             \nointerlineskip
10302             \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
10303     \fi
10304     %\let\TF@savecolor\current@color
10305     \textcolor{TF@FrameColor}{%
10306     \CustomFBox
10307         {\TF@Title{#2}}{\TF@conlab}%
10308         \fboxrule\fboxrule\fboxrule\fboxrule
10309         %{\let\current@color\TF@savecolor\set@color #3}%
10310         {\normalcolor #3}%
10311     }\endgroup
10312 }
10313 \renewenvironment{titled-frame}[1]{%
10314     \def\FrameCommand{\fboxsep8pt\fboxrule2pt
10315         \TitleBarFrame{\textbf{#1}}}%
10316     \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
10317         \TitleBarFrame[{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{$\textbf{#1}}}%
10318     \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
10319         \TitleBarFrame[{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{$\textbf{#1} (cont)$}}
10320     \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
10321         \TitleBarFrame{\textbf{#1} (cont)}}%
10322     \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
10323 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10324 % could interfere with the width measurement.
10325 {\endMakeFramed}
10326 \chardef\FrameRestore=\catcode`\| % for debug
10327 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
10328 \def\fb@put@frame#1#2{\relax
10329     \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi

```



```

10330 | \message{===== Entering putframe =====^^J
10331 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
10332 | \ifinner
10333 | \fb@putboxa#1%
10334 | \fb@afterframe
10335 | \else
10336 | \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
10337 | \ifdim\dimen@<2\baselineskip % Too little room on page
10338 | \message{Page has only \the\dimen@space room left; eject.}%
10339 | \eject \fb@adjheight \fb@put@frame#1#2%
10340 | \else % there's appreciable room left on the page
10341 | \fb@sizeofframe#1%
10342 | \message{\string\pagetotal=\the\pagetotal,
10343 | \string\pagegoal=\the\pagegoal,
10344 | \string\pagestretch=\the\pagestretch,
10345 | \string\pageshrink=\the\pageshrink,
10346 | \string\fb@frh=\the\fb@frh. \space}
10347 | \message{^^JBox of size \the\ht\@tempboxa\space}%
10348 | \begingroup % temporarily set \dimen@ to be...
10349 | \advance\dimen@.8\pageshrink % maximum space available on page
10350 | \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10351 |%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10352 | \expandafter\endgroup
10353 | % expand \ifdim, then restore \dimen@ to real room left on page
10354 | \ifdim\dimen@>\ht\@tempboxa % whole box does fit
10355 | \message{fits in \the\dimen@.}%
10356 | % ToDo: Change this to use vsplit anyway to capture the marks
10357 | % MERGE THIS WITH THE else CLAUSE!!!
10358 | \fb@putboxa#1%
10359 | \fb@afterframe
10360 | \else % box must be split
10361 | \message{must be split to fit in \the\dimen@.}%
10362 | % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10363 | \fb@sizeofframe#2%
10364 | \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10365 | \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10366 | \kern137sp\kern-137sp\penalty-30
10367 | \unvbox\@tempboxa}%
10368 | \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10369 | \splittopskip\the\splittopskip}%
10370 | \boxmaxdepth\z@ \splittopskip\z@
10371 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
10372 | % Split box here
10373 | \setbox\tw@vsplit\@tempboxa to\dimen@
10374 | \toks99\expandafter{\splittfirstmark}%
10375 | \toks98\expandafter{\splittbotmark}%
10376 | \message{Marks are: \the\toks99, \the\toks98.}%
10377 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
10378 | \message{Natural height of split box is \the\ht\tw@, leaving
10379 | \the\ht\@tempboxa\space remainder.}%

```



```

10380 % If the split-to size > (\vsize-\topskip), then set box to full size.
10381 \begingroup
10382 \advance\dimen@ \topskip
10383 \expandafter\endgroup
10384 \ifdim\dimen@>\pagegoal
10385 | \message{Frame is big -- Use up the full column. }%
10386 \dimen@ii \pagegoal
10387 \advance\dimen@ii -\topskip
10388 \advance\dimen@ii \FrameHeightAdjust\relax
10389 \else % suspect this is implemented incorrectly:
10390 % If the split-to size > feasible room_on_page, rebox it smaller.
10391 \advance\dimen@.8\pageshrink
10392 \ifdim\ht\tw@>\dimen@
10393 | \message{Box too tall; rebox it to \the\dimen@. }%
10394 \dimen@ii \dimen@
10395 \else % use natural size
10396 \dimen@ii \ht\tw@
10397 \fi
10398 \fi
10399 % Re-box contents to desired size \dimen@ii
10400 \advance\dimen@ii -\fb@frh
10401 \setbox\tw@\vbox to\dimen@ii \bgroup
10402 % remove simulated frame and page flexibility:
10403 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
10404 \unvbox\tw@ \unpenalty\unpenalty
10405 \ifdim\lastkern=-137sp % whole box went to next page
10406 | \message{box split at beginning! }%
10407 % need work here???
10408 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10409 \fb@adjheight
10410 \fb@put@frame#1#2% INSERTED ???
10411 \else % Got material split off at the head
10412 \egroup \fb@resto@set
10413 \ifvoid\@tempboxa % it all fit after all
10414 | \message{box split at end! }%
10415 \setbox\@tempboxa\box\tw@
10416 \fb@putboxa#1%
10417 \fb@afterframe
10418 \else % it really did split
10419 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
10420 \ifdim\wd\tw@>\z@
10421 \wd\tw@\wd\@tempboxa
10422 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
10423 \else
10424 | \message{Zero width means likely blank. Don't frame it (guess)}%
10425 \box\tw@
10426 \fi
10427 \hrule \@height\z@ \@width\hsize
10428 \eject
10429 \fb@adjheight

```




```

10430          \fb@put@frame\LastFrameCommand\MidFrameCommand
10431    \fi\fi\fi\fi\fi
10432  }
10433  \def\fb@putboxa#1{%
10434    \ifvoid\@tempboxa
10435      \PackageWarning{framed}{Boxa is void -- discard it. }%
10436    \else
10437      \message{Frame and place boxa. }%
10438      \showoutput\showbox\@tempboxa%
10439      \centerline{#1\hboxL{\box\@tempboxa}}}%
10440    \fi
10441  }
10442  \catcode`\|=\FrameRestore
10443  \def\FrameRestore{%
10444    \let\if@nbreak\iffalse
10445    \let\if@noskipsec\iffalse
10446    \let\-\@dischyph
10447    \let\'\@acci\let\`\@accii\let\=\@acciii
10448    % \message{FrameRestore:
10449    %   \@totalleftmargin=\the \@totalleftmargin,
10450    %   \rightmargin=\the\rightmargin,
10451    %   \@listdepth=\the\@listdepth. }%
10452    % Test if we are in a list (or list-like paragraph)
10453    \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
10454      \ifdim\rightmargin>\z@ 1\fi
10455      \ifnum\@listdepth>\z@ 1\fi 0>\z@
10456      % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
10457      %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10458      %   \labelwidth=\the\labelwidth. }%
10459      \@setminipage % snug fit around the item
10460      % Now try to propagate changes of width from \hsize to list parameters.
10461      % This is deficient, but a more advanced way to indicate modification to text
10462      % dimensions is not (yet) provided; in particular, no separate left/right
10463      % adjustment.
10464      \advance\linewidth-\columnwidth \advance\linewidth\hsize
10465      \parshape\@ne \@totalleftmargin \linewidth
10466    \else % Not in list
10467      \linewidth=\hsize
10468      %\message{No list, set \string\linewidth=\the\hsize. }%
10469    \fi
10470    \sloppy
10471  }

```

7.65 ftnright-xetex-bidi.def

```

10472 \ProvidesFile{ftnright-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for ftnright package for
10473 \def\LTR@outputdblcol{\if@firstcolumn
10474   \global\@firstcolumnfalse
10475   \global\setbox\@leftcolumn\box\@outputbox
10476   \global\count\footins\@m

```



```

10477 \global\skip\footins\rcol@footinsskip
10478 \else \preparefootins
10479 \global\@firstcolumntrue
10480 \setbox\@outputbox\vbox{\hbox to\textwidth
10481 {\hbox to\columnwidth
10482 {\box\@leftcolumn\hss}}%
10483 \hfil\vrule\@width\columnseprule\hfil
10484 \hbox to\columnwidth
10485 {\box\@outputbox\hss}}}%
10486 \@combinedblfloats\@outputpage
10487 \begingroup
10488 \@dblfloatplacement\@startdblcolumn
10489 \@whiles\if@fcolmade\fi
10490 {\@outputpage\@startdblcolumn}%
10491 \endgroup
10492 \fi}
10493 \def\RTLoutputdblcol{\if@firstcolumn
10494 \global\@firstcolumnfalse
10495 \global\setbox\@leftcolumn\box\@outputbox
10496 \global\count\footins\@m
10497 \global\skip\footins\rcol@footinsskip
10498 \else \preparefootins
10499 \global\@firstcolumntrue
10500 \setbox\@outputbox\vbox{\hbox to\textwidth
10501 {\hskip \columnwidth
10502 \hfil\vrule width\columnseprule \hfil
10503 \hbox to\columnwidth
10504 {\box\@leftcolumn\hss}}%
10505 \hskip -\textwidth
10506 \hbox to\columnwidth
10507 {\box\@outputbox\hss}
10508 \hskip \columnsep
10509 \hskip \columnwidth}}}%
10510 \@combinedblfloats\@outputpage
10511 \begingroup
10512 \@dblfloatplacement\@startdblcolumn
10513 \@whiles\if@fcolmade\fi
10514 {\@outputpage\@startdblcolumn}%
10515 \endgroup
10516 \fi}
10517 \let\leftfootnoterule\@empty
10518 \let\rightfootnoterule\@empty
10519 \let\textwidthfootnoterule\@empty
10520 \let\autofootnoterule\@empty
10521 \let\footnoterule\@empty
10522 \long\def\@makefntext#1\parindent 1em
10523 \noindent\hbox to 2em{}%
10524 \llap{\@thefnmark\hbox{.}\,}\,}#1}

```



7.66 graphicx-xetex-bidi.def

```

10525 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
10526 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
10527   \Grot@setangle{#1}%
10528   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
10529   \Grot@x\z@
10530   \Grot@y\z@
10531   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
10532 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10533   \leavevmode
10534   \def\Gscale@x{#1}\def\Gscale@y{#2}%
10535   \setbox\z@\hbox{#3}%
10536   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10537   \ifdim#2\p<\z@
10538     \ht\tw@-#2\dp\z@
10539     \dp\tw@-#2\ht\z@
10540   \else
10541     \ht\tw@#2\ht\z@
10542     \dp\tw@#2\dp\z@
10543   \fi
10544   \ifdim#1\p<\z@
10545     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@hss}%
10546   \else
10547     \wd\tw@#1\wd\z@
10548     \box\tw@
10549   \fi\ifmmode\else\if@RTL\endL\fi\fi}
10550 \def\Gin@iii[#1,#2][#3,#4]#5{%
10551   \begingroup
10552   \ifmmode\else\if@RTL\beginL\fi\fi
10553   \Gin@bboxtrue
10554   \Gin@defaultbp\Gin@llx{#1}%
10555   \Gin@defaultbp\Gin@lly{#2}%
10556   \Gin@defaultbp\Gin@urx{#3}%
10557   \Gin@defaultbp\Gin@ury{#4}%
10558   \Gin@include@graphics{#5}%
10559   \ifmmode\else\if@RTL\endL\fi\fi
10560   \endgroup}
10561 \def\Gin@ii[#1]#2{%
10562   \def\@tempa{[]}\def\@tempb{#2}%
10563   \ifx\@tempa\@tempb
10564     \def\@tempa{\Gin@iii[#1] []}%
10565     \expandafter\@tempa
10566   \else
10567     \begingroup
10568     \ifmmode\else\if@RTL\beginL\fi\fi
10569     \@tempswafalse
10570     \toks@{\Gin@include@graphics{#2}}%
10571     \setkeys{Gin}{#1}%
10572     \Gin@esetsize

```



```

10573     \the\toks@
10574     \ifmmode\else\if@RTL\endL\fi\fi
10575     \endgroup
10576     \fi}
10577 \def\reflectbox{\bidiGscale@box-1[1]}
10578 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10579   \leavevmode
10580   \def\Gscale@x{#1}\def\Gscale@y{#2}%
10581   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
10582   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10583   \ifdim#2\p@<\z@
10584     \ht\tw@-#2\dp\z@
10585     \dp\tw@-#2\ht\z@
10586   \else
10587     \ht\tw@#2\ht\z@
10588     \dp\tw@#2\dp\z@
10589   \fi
10590   \ifdim#1\p@<\z@
10591     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10592   \else
10593     \wd\tw@#1\wd\z@
10594     \box\tw@
10595   \fi\ifmmode\else\if@RTL\endL\fi\fi}
10596 \def\scalebox#1{%
10597   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
10598 \def\resizebox{%
10599   \leavevmode
10600   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
10601 \def\bidiGscale@@box#1#2#3{%
10602   \let\@tempa\Gin@exclamation
10603   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
10604   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
10605   \ifx\@tempb\@tempa
10606     \ifx\@tempc\@tempa
10607       \toks@{\mbox}%
10608     \else
10609       \toks@{\bidiGscale@box@dd{#3}#1}%
10610     \fi
10611   \else
10612     \ifx\@tempc\@tempa
10613       \toks@{\bidiGscale@box@dd{#2}\width}%
10614     \else
10615       \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
10616     \fi
10617   \fi
10618   \the\toks@}
10619 \long\def\bidiGscale@box@dd#1#2#3{%
10620   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
10621   \setlength\@tempdima{#1}%
10622   \setlength\@tempdimb{#2}%

```



```

10623 \Gscale@div\@tempa\@tempdima\@tempdimb
10624 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
10625 \@end@tempboxa}
10626 \long\def\ bidiGscale@box@dddd#1#2#3#4#5{%
10627 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@
10628 \setlength\@tempdima{#1}%
10629 \setlength\@tempdimb{#2}%
10630 \Gscale@div\@tempa\@tempdima\@tempdimb
10631 \setlength\@tempdima{#3}%
10632 \setlength\@tempdimb{#4}%
10633 \Gscale@div\@tempb\@tempdima\@tempdimb
10634 \ifGin@iso
10635 \ifdim\@tempa\p@>\@tempb\p@
10636 \let\@tempa\@tempb
10637 \else
10638 \let\@tempb\@tempa
10639 \fi
10640 \fi
10641 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
10642 \@end@tempboxa}

```

7.67 geometry-xetex-bidi.def

```

10643 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for X
10644 \renewcommand*{\Gm@vrules@mpi}{%
10645 \if@RTLmain%
10646 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10647 \llap{\Gm@vrule}\ignorespaces
10648 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10649 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
10650 \else%
10651 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
10652 \hskip \textwidth\Gm@vrule\hskip \marginparsep
10653 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
10654 \renewcommand*{\Gm@vrules@mpii}{%
10655 \if@RTLmain%
10656 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
10657 \hskip \textwidth\Gm@vrule\hskip \marginparsep
10658 \llap{\Gm@vrule}\hfil\Gm@vrule}%
10659 \else%
10660 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10661 \llap{\Gm@vrule}\ignorespaces
10662 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10663 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
10664

```

7.68 hvfloat-xetex-bidi.def

```

10665 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
10666 \def\do@hvFloat[#1]#2#3{%
10667 \def\hv@shortCap{#1}

```



```

10668 \def\hv@longCap{#2}
10669 \def\hv@label{#3}
10670 %\newcommand*{\hvFloat}[5][{}]{%
10671 % [#1]: keyvalues
10672 % #2: type figure | table | ...
10673 % #3: float contents
10674 % [#4]: short caption
10675 % #5: caption
10676 % #6: label
10677 % \setDefault%
10678 % \def\@tempa{#1}%
10679 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi set options, only when not empty
10680 \def\@tempa{90}%
10681 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
10682 \else \setlength{\hvMaxCapWidth}{\linewidth}
10683 \fi
10684 %
10685 % First we save the object in \hvObjectBox
10686 %
10687 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
10688 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
10689 \else
10690 \savebox{\hvObjectBox}{%
10691 \rotatebox{\hvSet@objectAngle}{%
10692 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
10693 \fi
10694 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
10695 %
10696 % Now we save the caption with its defined \hvCapWidth
10697 %
10698 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
10699 \else
10700 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
10701 \else
10702 \setlength{\hvCapWidth}{\hvObjectWidth}
10703 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
10704 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
10705 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
10706 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
10707 \else
10708 \setlength{\hvCapWidth}{\hvMaxCapWidth}
10709 \fi
10710 \fi
10711 \fi
10712 %
10713 % now we have the object and the caption with the right
10714 % rotated angles saved in boxes
10715 %
10716 \def\fps@figure{\hvSet@floatPos}
10717 \ifhv@nonFloat\begin% Start the nonfloat part

```



```

10718 \else          \begin{\hv@floatType}% Start the floating environment
10719 \fi%
10720 \saveCaptionSkip% we put this space ourselve
10721 \ifx\hvSet@capAngle\hv@Width % need rotation?
10722   \sbox{\hvCaptionBox}{%
10723     \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
10724     \ifhv@nonFloat%
10725       \ifhv@onlyText#2%
10726       \else%
10727         \ifx\hv@floatType\hv@figure
10728           \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
10729         \else
10730           \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
10731         \fi
10732       \fi
10733     \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
10734     \fi%
10735     \label{#3}%
10736     \end{minipage}%
10737   }%
10738 \else%
10739   \sbox{\hvCaptionBox}{%
10740     \rotatebox{\hvSet@capAngle}{%
10741       \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
10742       \ifhv@nonFloat%
10743         \ifhv@onlyText#2%
10744         \else%
10745           \ifx\hv@floatType\hv@figure
10746             \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
10747           \else
10748             \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
10749           \fi
10750         \fi
10751       \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
10752       \fi%
10753       \label{#3}%
10754       \end{minipage}%
10755     }%
10756   }%
10757 \fi%
10758 %%
10759 \restoreCaptionSkip% save old values
10760 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
10761 \else%
10762   \ifx\hvSet@objectPos\hv@Center
10763     \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
10764   \fi%
10765 \fi%
10766 %
10767 % to rotate object and caption together, we save all in another box

```



```

10768 % the caption comes first, if its on the left or the top
10769 %
10770 \savebox{\@tempboxa}{%
10771 \ifx\hvSet@capPos\hv@Left % caption on left side
10772 \if@RTL%
10773 \ifx\hvSet@capVPos\hv@Center%
10774 \ifhv@fbox
10775 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10776 \else
10777 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10778 \fi%
10779 \hspace{\hvSet@floatCapSep pt}%
10780 \ifhv@fbox
10781 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10782 \else
10783 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10784 \fi%
10785 \else%
10786 \ifx\hvSet@capVPos\hv@Top
10787 \ifhv@fbox
10788 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10789 \else
10790 \raisebox{-\height}{\usebox{\hvObjectBox}}%
10791 \fi%
10792 \hspace{\hvSet@floatCapSep pt}%
10793 \ifhv@fbox
10794 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10795 \else
10796 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10797 \fi
10798 \else
10799 \ifhv@fbox
10800 \fbox{\usebox{\hvObjectBox}}%
10801 \else
10802 \usebox{\hvObjectBox}%
10803 \fi
10804 \hspace{\hvSet@floatCapSep pt}%
10805 \ifhv@fbox
10806 \fbox{\usebox{\hvCaptionBox}}%
10807 \else
10808 \usebox{\hvCaptionBox}%
10809 \fi%
10810 \fi%
10811 \fi%
10812 \else% not RTL
10813 \ifx\hvSet@capVPos\hv@Center%
10814 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10815 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10816 \fi%
10817 \hspace{\hvSet@floatCapSep pt}% capfloatsep

```




```

10818 \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10819 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10820 \fi%
10821 \else%
10822 \ifx\hvSet@capVPos\hv@Top % caption at top
10823 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10824 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10825 \fi
10826 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10827 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10828 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
10829 \fi%
10830 \else% caption on bottom
10831 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
10832 \else\usebox{\hvCaptionBox}
10833 \fi%
10834 \hspace{\hvSet@floatCapSep pt}%
10835 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
10836 \else \usebox{\hvObjectBox}
10837 \fi%
10838 \fi%
10839 \fi% end of RTL
10840 \fi%
10841 \else
10842 \ifx\hvSet@capPos\hv@Top
10843 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10844 \begin{minipage}{\wd\hvCaptionBox}
10845 \else
10846 \begin{minipage}{\wd\hvObjectBox}
10847 \fi
10848 \centering
10849 \ifhv@fbox
10850 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
10851 \fbbox{\usebox{\hvObjectBox}}
10852 \else
10853 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
10854 \usebox{\hvObjectBox}
10855 \fi%
10856 \end{minipage}
10857 \else
10858 \ifx\hvSet@capPos\hv@Bottom
10859 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10860 \begin{minipage}{\wd\hvCaptionBox}
10861 \else
10862 \begin{minipage}{\wd\hvObjectBox}
10863 \fi
10864 \centering
10865 \ifhv@fbox
10866 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
10867 \fbbox{\usebox{\hvCaptionBox}}

```



```

10868 \else
10869 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
10870 \usebox{\hvCaptionBox}
10871 \fi%
10872 \end{minipage}
10873 \else% the last option: put the caption on the right
10874 \if@RTL%
10875 \ifx\hvSet@capVPos\hv@Center%
10876 \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10877 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10878 \fi%
10879 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10880 \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10881 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10882 \fi%
10883 \else%
10884 \ifx\hvSet@capVPos\hv@Top % caption at top
10885 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10886 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10887 \fi
10888 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10889 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10890 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
10891 \fi%
10892 \else% caption on bottom
10893 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
10894 \else\usebox{\hvCaptionBox}
10895 \fi%
10896 \hspace{\hvSet@floatCapSep pt}%
10897 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
10898 \else \usebox{\hvObjectBox}
10899 \fi%
10900 \fi%
10901 \fi%
10902 \else% not RTL
10903 \ifx\hvSet@capVPos\hv@Center%
10904 \ifhv@fbox
10905 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10906 \else
10907 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10908 \fi%
10909 \hspace{\hvSet@floatCapSep pt}%
10910 \ifhv@fbox
10911 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10912 \else
10913 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10914 \fi%
10915 \else%
10916 \ifx\hvSet@capVPos\hv@Top
10917 \ifhv@fbox

```



```

10918 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10919 \else
10920 \raisebox{-\height}{\usebox{\hvObjectBox}}%
10921 \fi%
10922 \hspace{\hvSet@floatCapSep pt}%
10923 \ifhv@fbox
10924 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10925 \else
10926 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10927 \fi
10928 \else
10929 \ifhv@fbox
10930 \fbox{\usebox{\hvObjectBox}}%
10931 \else
10932 \usebox{\hvObjectBox}%
10933 \fi
10934 \hspace{\hvSet@floatCapSep pt}%
10935 \ifhv@fbox
10936 \fbox{\usebox{\hvCaptionBox}}%
10937 \else
10938 \usebox{\hvCaptionBox}%
10939 \fi%
10940 \fi%
10941 \fi
10942 \fi% end of RTL
10943 \fi
10944 \fi
10945 \fi
10946 }% End savebox Object and caption
10947 %
10948 % now we rotate the object and caption, if needed
10949 %
10950 \ifx\hvSet@rotAngle\hv@Zero
10951 \usebox{\@tempboxa}
10952 \else
10953 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
10954 \fi
10955 \ifhv@nonFloat
10956 \ifx\hvSet@objectPos\hv@Center
10957 \ifhv@nonFloat
10958 \hspace{\fill}
10959 \fi
10960 \fi
10961 \endgroup% End the nonfloat part
10962 \else
10963 \end{\hv@floatType}% End the floating environment
10964 \fi
10965 }

```



7.69 hyperref-xetex-bidi.def

```

10966 \ProvidesFile{hyperref-xetex-bidi.def}[2014/11/08 v0.8 bidi adaptations for hyperref package for
10967 \AtBeginDocument{%
10968 \def\contentsline#1#2#3#4{%
10969   \ifx\\#4\\%
10970     \csname l@#1\endcsname{#2}{#3}%
10971   \else
10972     \ifcase\Hy@linktoc % none
10973       \csname l@#1\endcsname{#2}{#3}%
10974     \or % section
10975       \csname l@#1\endcsname{%
10976         \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
10977       }{#3}%
10978     \or % page
10979       \csname l@#1\endcsname{#2}{#3}%
10980       \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
10981     }%
10982   \else % all
10983     \csname l@#1\endcsname{%
10984       \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
10985     }{#3}%
10986     \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
10987   }%
10988 \fi
10989 \fi
10990 }
10991 \ifHy@hyperfootnotes
10992   \let\H@@footnotetext\@footnotetext
10993   \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
10994   \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
10995   \def\xfootnotenext[#1]{%
10996     \begingroup
10997       \csname c@\@mpfn\endcsname #1\relax
10998       \unrestored@protected@xdef\@thefnmark{\thempfn}%
10999     \endgroup
11000     \ifx\@footnotetext\@mpfootnotetext
11001       \expandafter\H@@mpfootnotetext
11002     \else
11003       \expandafter\H@@footnotetext
11004     \fi
11005   }%
11006   \def\xRTLfootnotenext[#1]{%
11007     \begingroup
11008       \csname c@\@mpfn\endcsname #1\relax
11009       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11010     \endgroup
11011     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
11012       \expandafter\HRTL@@mpRTLfootnotetext
11013     \else

```



```

11014     \expandafter\HRTL@@RTLfootnotetext
11015     \fi
11016   }%
11017   \def\@xLTRfootnotenext[#1]{%
11018     \begingroup
11019       \csname c@\@mpfn\endcsname #1\relax
11020       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11021     \endgroup
11022     \ifx\@LTRfootnotetext\@mpLTRfootnotetext
11023       \expandafter\HLTR@mpLTRfootnotetext
11024     \else
11025       \expandafter\HLTR@@LTRfootnotetext
11026     \fi
11027   }%
11028   \def\@xfootnotemark[#1]{%
11029     \begingroup
11030       \c@footnote #1\relax
11031       \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11032     \endgroup
11033     \H@@footnotemark
11034   }%
11035   \let\H@@mpfootnotetext\@mpfootnotetext
11036   \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11037   \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11038   \long\def\@mpfootnotetext#1{%
11039     \H@@mpfootnotetext{%
11040       \ifHy@nesting
11041         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11042       \else
11043         \Hy@raisedlink{%
11044           \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11045         }#1%
11046       \fi
11047     }%
11048   }%
11049   \long\def\@mpRTLfootnotetext#1{%
11050     \HRTL@mpRTLfootnotetext{%
11051       \ifHy@nesting
11052         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11053       \else
11054         \Hy@raisedlink{%
11055           \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11056         }#1%
11057       \fi
11058     }%
11059   }%
11060   \long\def\@mpLTRfootnotetext#1{%
11061     \HLTR@mpLTRfootnotetext{%
11062       \ifHy@nesting
11063         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%

```



```

11064     \else
11065         \Hy@raisedlink{%
11066             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11067             }#1%
11068     \fi
11069 }%
11070 }%
11071 \long\def\@footnotetext#1{%
11072 \H@@@footnotetext{%
11073     \ifHy@nesting
11074         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11075     \else
11076         \Hy@raisedlink{%
11077             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11078             }%
11079         \let\@currentHlabel\Hy@footnote@currentHlabel
11080         \let\@currentHref\Hy@footnote@currentHref
11081         \let\@currentlabelname\@empty
11082         #1%
11083     \fi
11084 }%
11085 }%
11086 \long\def\@RTLfootnotetext#1{%
11087 \HRTL@@RTLfootnotetext{%
11088     \ifHy@nesting
11089         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11090     \else
11091         \Hy@raisedlink{%
11092             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11093             }%
11094         \let\@currentHlabel\Hy@footnote@currentHlabel
11095         \let\@currentHref\Hy@footnote@currentHref
11096         \let\@currentlabelname\@empty
11097         #1%
11098     \fi
11099 }%
11100 }%
11101 \long\def\@LTRfootnotetext#1{%
11102 \HLTR@@LTRfootnotetext{%
11103     \ifHy@nesting
11104         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11105     \else
11106         \Hy@raisedlink{%
11107             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11108             }%
11109         \let\@currentHlabel\Hy@footnote@currentHlabel
11110         \let\@currentHref\Hy@footnote@currentHref
11111         \let\@currentlabelname\@empty
11112         #1%
11113     \fi

```



```

1114 }%
1115 }%
1116 \def\@footnotemark{%
1117 \leavevmode
1118 \ifhmode\edef\x@sf{\the\spacefactor}\nobreak\fi
1119 \stepcounter{Hfootnote}%
1120 \global\let\Hy@saved@currentHlabel\@currentHlabel
1121 \global\let\Hy@saved@currentHref\@currentHref
1122 \hyper@makecurrent{Hfootnote}%
1123 \global\let\Hy@footnote@currentHlabel\@currentHlabel
1124 \global\let\Hy@footnote@currentHref\@currentHref
1125 \global\let\@currentHlabel\Hy@saved@currentHlabel
1126 \global\let\@currentHref\Hy@saved@currentHref
1127 \beginL\hyper@linkstart{link}{\Hy@footnote@currentHref}%
1128 \@makefnmark
1129 \hyper@linkend\endL
1130 \ifhmode\spacefactor\x@sf\fi
1131 \relax
1132 }%
1133 \@ifpackageloaded{tabularx}{%
1134 \let\HyOrg@TX@endtabularx\TX@endtabularx
1135 \def\Hy@tabularx@hook{%
1136 \let\@footnotetext\H@footnotetext
1137 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
1138 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
1139 \let\@footnotemark\H@footnotemark
1140 \let\@mpfootnotetext\H@mpfootnotetext
1141 \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
1142 \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
1143 }%
1144 \begingroup
1145 \toks@\expandafter{\TX@endtabularx}%
1146 \xdef\Hy@gtemp{%
1147 \noexpand\Hy@tabularx@hook
1148 \the\toks@
1149 }%
1150 \endgroup
1151 \let\TX@endtabularx\Hy@gtemp
1152 }{}%
1153 \@ifpackageloaded{longtable}{%
1154 \CheckCommand*\LT@p@LTRftntext}[1]{%
1155 \edef\@tempa{%
1156 \the\LT@p@ftn
1157 \noexpand\LTRfootnotetext[\the\c@footnote]%
1158 }%
1159 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
1160 }%
1161 \long\def\LT@p@LTRftntext#1{%
1162 \edef\@tempa{%
1163 \the\LT@p@ftn

```



```

11164     \begingroup
11165     \noexpand\c@footnote=\the\c@footnote\relax
11166     \noexpand\protected@xdef\noexpand\@thefnmark{%
11167     \noexpand\thempfn
11168     }%
11169     \noexpand\Hy@LT@LTRfootnotetext{%
11170     \Hy@footnote@currentHref
11171     }%
11172   }%
11173   \global\LT@p@ftn\expandafter{%
11174   \@tempa{#1}%
11175   \endgroup
11176   }%
11177 }%
11178 \long\def\Hy@LT@LTRfootnotetext#1#2{%
11179 \HLTR@@LTRfootnotetext{%
11180   \ifHy@nesting
11181   \hyper@@anchor{#1}{#2}%
11182   \else
11183   \Hy@raisedlink{%
11184   \hyper@@anchor{#1}{\relax}%
11185   }%
11186   \def\@currentHref{#1}%
11187   \let\@currentlabelname\@empty
11188   #2%
11189   \fi
11190   }%
11191 }%
11192 \CheckCommand*\LT@p@RTLftntext}[1]{%
11193   \edef\@tempa{%
11194   \the\LT@p@ftn
11195   \noexpand\RTLfootnotetext[\the\c@footnote]%
11196   }%
11197   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11198 }%
11199 \long\def\LT@p@RTLftntext#1{%
11200   \edef\@tempa{%
11201   \the\LT@p@ftn
11202   \begingroup
11203   \noexpand\c@footnote=\the\c@footnote\relax
11204   \noexpand\protected@xdef\noexpand\@thefnmark{%
11205   \noexpand\thempfn
11206   }%
11207   \noexpand\Hy@LT@RTLfootnotetext{%
11208   \Hy@footnote@currentHref
11209   }%
11210   }%
11211   \global\LT@p@ftn\expandafter{%
11212   \@tempa{#1}%
11213   \endgroup

```




```

11214     }%
11215 }%
11216 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11217   \HRTL@RTLfootnotetext{%
11218     \ifHy@nesting
11219       \hyper@@anchor{#1}{#2}%
11220     \else
11221       \Hy@raisedlink{%
11222         \hyper@@anchor{#1}{\relax}%
11223       }%
11224       \def\@currentHref{#1}%
11225       \let\@currentlabelname\@empty
11226       #2%
11227     \fi
11228   }%
11229 }%
11230 }{}%
11231 \@ifpackageloaded{bidipoem}{%
11232   \long\def\bidipoem@p@ftntext#1{%
11233     \edef\@temp#1{%
11234       \the\bidipoem@p@ftn
11235       \beginingroup
11236       \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11237       \noexpand\protected@xdef\noexpand\@thefnmark{%
11238         \noexpand\thempfn
11239       }%
11240       \noexpand\Hy@bidipoem@footnotetext{%
11241         \Hy@footnote@currentHref
11242       }%
11243     }%
11244     \global\bidipoem@p@ftn\expandafter{%
11245       \@temp#1}%
11246     \endgroup
11247   }%
11248 }%
11249 \long\def\Hy@bidipoem@footnotetext#1#2{%
11250   \H@footnotetext{%
11251     \ifHy@nesting
11252       \hyper@@anchor{#1}{#2}%
11253     \else
11254       \Hy@raisedlink{%
11255         \hyper@@anchor{#1}{\relax}%
11256       }%
11257       \def\@currentHref{#1}%
11258       \let\@currentlabelname\@empty
11259       #2%
11260     \fi
11261   }%
11262 }%
11263 \long\def\bidipoem@p@LTRftntext#1{%

```



```

11264 \edef\@tempxi{%
11265 \the\bidipoem@p@ftn
11266 \begingroup
11267 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11268 \noexpand\protected@xdef\noexpand\@thefnmark{%
11269 \noexpand\thempfn
11270 }%
11271 \noexpand\Hy@bidipoem@LTRfootnotetext{%
11272 \Hy@footnote@currentHref
11273 }%
11274 }%
11275 \global\bidipoem@p@ftn\expandafter{%
11276 \@tempxi{#1}%
11277 \endgroup
11278 }%
11279 }%
11280 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11281 \HLTR@@LTRfootnotetext{%
11282 \ifHy@nesting
11283 \hyper@@anchor{#1}{#2}%
11284 \else
11285 \Hy@raisedlink{%
11286 \hyper@@anchor{#1}{\relax}%
11287 }%
11288 \def\@currentHref{#1}%
11289 \let\@currentlabelname\@empty
11290 #2%
11291 \fi
11292 }%
11293 }%
11294 \long\def\bidipoem@p@RTLftntext#1{%
11295 \edef\@tempxii{%
11296 \the\bidipoem@p@ftn
11297 \begingroup
11298 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11299 \noexpand\protected@xdef\noexpand\@thefnmark{%
11300 \noexpand\thempfn
11301 }%
11302 \noexpand\Hy@bidipoem@RTLfootnotetext{%
11303 \Hy@footnote@currentHref
11304 }%
11305 }%
11306 \global\bidipoem@p@ftn\expandafter{%
11307 \@tempxii{#1}%
11308 \endgroup
11309 }%
11310 }%
11311 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11312 \HRTL@@RTLfootnotetext{%
11313 \ifHy@nesting

```



```

11314         \hyper@@anchor{#1}{#2}%
11315     \else
11316         \Hy@raisedlink{%
11317             \hyper@@anchor{#1}{\relax}%
11318         }%
11319         \def\@currentHref{#1}%
11320         \let\@currentlabelname\@empty
11321         #2%
11322     \fi
11323 }%
11324 }%
11325 }{}%
11326 \let\HyOrg@maketitle\maketitle
11327 \def\maketitle{%
11328     \let\Hy@saved@footnotemark\@footnotemark
11329     \let\Hy@saved@footnotetext\@footnotetext
11330     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11331     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11332     \let\@footnotemark\H@@footnotemark
11333     \let\@footnotetext\H@@footnotetext
11334     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11335     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11336     \@ifnextchar[\Hy@maketitle@optarg{% ]
11337         \HyOrg@maketitle
11338         \Hy@maketitle@end
11339     }%
11340 }%
11341 \def\Hy@maketitle@optarg[#1]{%
11342     \HyOrg@maketitle[{#1}]%
11343     \Hy@maketitle@end
11344 }%
11345 \def\Hy@maketitle@end{%
11346     \ifx\@footnotemark\H@@footnotemark
11347         \let\@footnotemark\Hy@saved@footnotemark
11348     \fi
11349     \ifx\@footnotetext\H@@footnotetext
11350         \let\@footnotetext\Hy@saved@footnotetext
11351     \fi
11352     \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
11353         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
11354     \fi
11355     \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
11356         \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
11357     \fi
11358 }%
11359 \def\realfootnote{%
11360     \@ifnextchar[\@xfootnote{%
11361         \stepcounter{\@mpfn}%
11362         \protected@xdef\@thefnmark{\thempfn}%
11363         \H@@footnotemark\H@@footnotetext

```



```

11364 }%
11365 }%
11366 \fi
11367 \def\hyper@link#1#2#3{%
11368 \ifmmode\else\beginL\fi\hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\fi%
11369 }
11370 \def\url@#1{\beginL\hyper@linkurl{\Hurl{#1}}{#1}\endL}
11371 \def\hyper@natlinkstart#1{%
11372 \Hy@backout{#1}%
11373 \beginL\hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
11374 \def\hyper@nat@current{#1}%
11375 }
11376 \def\hyper@natlinkend{%
11377 \if@RTL\endR\fi\hyper@linkend\endL
11378 }
11379 \def\hyper@natlinkbreak#1#2{%
11380 \if@RTL\endR\fi\hyper@linkend\endL#1\beginL\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
11381 }%
11382 }
11383 \begingroup
11384 \catcode`\$=6 %
11385 \catcode`\#=12 %
11386 \gdef\href@#1{\expandafter\href@split$1#\}%
11387 \gdef\href@split$1#$2#$3\\$4{%
11388 \beginL\hyper@link{#1}{#2}{\if@RTL\beginR\fi$4\if@RTL\endR\fi}\endL%
11389 \endgroup
11390 }%
11391 \endgroup
11392 \pdfstringdefDisableCommands{%
11393 \let\LRE\@firstofone
11394 \let\LR\@firstofone
11395 \let\RL\@firstofone
11396 \let\RL\@firstofone
11397 \def\XeTeX{XeTeX}
11398 \def\XeLaTeX{XeLaTeX}
11399 }
11400 \ifpackageloaded{longtable}{%
11401 \begingroup
11402 \def\y{\LT@array}%
11403 \@ifundefined{scr@LT@array}{%
11404 \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
11405 }{\def\y{\scr@LT@array}}%
11406 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
11407 \expandafter\endgroup
11408 \expandafter\def\y[##1]##2{%
11409 \H@refstepcounter{#1}%
11410 \hyper@makecurrent{table}%
11411 \let\Hy@LT@currentHref\@currentHref
11412 #2\@sharp####4%
11413 }%

```



```

11414 }%
11415 \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
11416 \begingroup
11417 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
11418 \endgroup
11419 \def\LT@start{%
11420 #1%
11421 \ifvoid\LT@foot#2\fi
11422 \let\@currentHref\Hy@LT@currentHref
11423 \Hy@raisedlink{%
11424 \hyper@anchorstart{\@currentHref}\hyper@anchorend
11425 }%
11426 #3%
11427 }%
11428 }%
11429 \expandafter\x\LT@start\@nil
11430 }{}

```

7.70 leqno-xetex-bidi.def

```

11431 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
11432 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
11433 \rlap{
11434 \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\fi}

```

7.71 letter-xetex-bidi.def

```

11435 \ProvidesFile{letter-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for standard letter class
11436 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
11437 \thispagestyle{firstpage}%
11438 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
11439 \else % home address
11440 \thispagestyle{empty}%
11441 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
11442 \fromaddress \\\*[2\parskip]%
11443 \@date \end{tabular}\par}%
11444 \fi
11445 \vspace{2\parskip}%
11446 {\if@RTL\raggedleft\else\raggedright\fi \toname \\\ toaddress \par}%
11447 \vspace{2\parskip}%
11448 #1\par\nobreak}
11449 \renewcommand\left@footnoterule{%
11450 \kern-\p@
11451 \hrule \@width .4\columnwidth
11452 \kern .6\p@}
11453 \renewcommand\right@footnoterule{%
11454 \hbox to \columnwidth
11455 {\beginR \vbox{%
11456 \kern-\p@
11457 \hrule \@width .4\columnwidth
11458 \kern .6\p@}\hfil\endR}}

```



7.72 lettrine-xetex-bidi.def

```

11459 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package for
11460 \def\@lettrine[#1]#2#3{%
11461   \setcounter{L@lines}{\theDefaultLines}%
11462   \setcounter{L@depth}{\theDefaultDepth}%
11463   \renewcommand*{\L@hang}{\DefaultLhang}%
11464   \renewcommand*{\L@oversize}{\DefaultLoversize}%
11465   \renewcommand*{\L@raise}{\DefaultLraise}%
11466   \renewcommand*{\L@ante}{}%
11467   \setlength{\L@Findent}{\DefaultFindent}%
11468   \setlength{\L@Nindent}{\DefaultNindent}%
11469   \setlength{\L@slope}{\DefaultSlope}%
11470   \setlength{\L@novskip}{\DiscardVskip}%
11471   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
11472   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
11473   \if\DefaultOptionsFile\relax
11474   \else
11475     \begingroup
11476     \InputIfFileExists{\DefaultOptionsFile}%
11477       {}%
11478       {\PackageWarning{lettrine.sty}%
11479         {File \DefaultOptionsFile\space not found}}%
11480     }%
11481     \def\color##1##{\l@color{##1}}%
11482     \let\l@color\@gobbletwo
11483     \def\textcolor##1##{\l@textcolor{##1}}%
11484     \def\l@textcolor##1##2##3{##3}%
11485     \expandafter\ifx\csname l@#2-keys\endcsname\relax
11486       \gdef\l@LOKeys{%
11487         \else
11488         \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
11489         \fi
11490     \endgroup
11491     \def\KV@prefix{KV@L@}%
11492     \let\@tempc\relax
11493     \expandafter\KV@do\l@LOKeys,\relax,
11494     \sbox{\L@lbox}{\LettrineFont #2}%
11495     \setlength{\LettrineWidth}{\wd\L@lbox}%
11496     \def\KV@prefix{KV@L@}%
11497     \let\@tempc\relax
11498     \expandafter\KV@do\l@LOKeys,\relax,
11499     \fi
11500     \setkeys{L}{#1}%
11501     \ifL@image
11502       \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
11503     \else
11504       \sbox{\L@lbox}{\LettrineFont #2}%
11505     \fi
11506     \sbox{\L@tbox}{\LettrineTextFont{#3}}%

```



```

11507 \@tempdima=\baselineskip
11508 \ifnum\theL@lines=1
11509   \setlength{\L@first}{\ht\L@lbox}%
11510   \addtolength{\L@first}{-\ht\L@tbox}%
11511   \setlength{\L@lraise}{\z@}%
11512 \else
11513   \setlength{\L@first}{-\theL@lines\@tempdima}%
11514   \addtolength{\L@first}{\@tempdima}%
11515   \sbox{\@tempboxa}{\LettrineTextFont x}%
11516   \addtolength{\L@first}{-\ht\@tempboxa}%
11517   \setlength{\L@lraise}{-\L@raise\L@first}%
11518   \addtolength{\L@first}{\L@lraise}%
11519   \addtolength{\L@first}{\ht\L@lbox}%
11520   \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
11521   \addtolength{\L@lraise}{\@tempdima}%
11522 \fi
11523 \par
11524 \ifdim\L@first>\L@novskip
11525   \ifL@grid
11526     \@tempdima=\baselineskip
11527     \@tempdimb=\@tempdima
11528     \advance\@tempdimb by \L@novskip
11529     \@tempcnta=1
11530     \loop\ifdim\L@first>\@tempdimb
11531       \advance\@tempcnta by 1
11532       \advance\L@first by -\@tempdima
11533     \repeat
11534     \vskip\@tempcnta\baselineskip
11535   \else
11536     \vskip\L@first
11537   \fi
11538 \fi
11539 \setlength{\L@Pindent}{\wd\L@lbox}%
11540 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
11541 \settowidth{\L@first}{\L@ante}%
11542 \addtolength{\L@Pindent}{\L@first}%
11543 \addtolength{\L@Pindent}{\L@Findent}%
11544 \setlength{\L@first}{\linewidth}%
11545 \addtolength{\L@first}{-\L@Pindent}%
11546 \addtolength{\L@Nindent}{\L@Pindent}%
11547 \setlength{\L@next}{\linewidth}%
11548 \addtolength{\L@next}{-\L@Nindent}%
11549 \addtolength{\L@Pindent}{\rightmargin}%
11550 \addtolength{\L@Nindent}{\rightmargin}%
11551 \setlength{\LettrineWidth}{\wd\L@lbox}%
11552 \setlength{\LettrineHeight}{\ht\L@lbox}%
11553 \setlength{\LettrineDepth}{\dp\L@lbox}%
11554 \addtocounter{L@lines}{1}%
11555 \addtocounter{L@lines}{\the\c@L@depth}%
11556 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pin

```



```

11557 \@tempcnta=\tw@
11558 \@whilenum \@tempcnta<\c@L@lines\do{%
11559   \if@RTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the
11560     \addtolength{\L@Nindent}{\L@slope}%
11561     \addtolength{\L@next}{-\L@slope}%
11562     \advance\@tempcnta\@ne}%
11563 \if@RTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \ri
11564   \noindent
11565   \parshape=\L@parshape\relax
11566   \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
11567     \hskip \the\L@Findent}}%
11568   \usebox{\L@tbox}}%
11569 }

```

7.73 listings-xetex-bidi.def

```

11570 \ProvidesFile{listings-xetex-bidi.def}[2015/04/25 v0.8 bidi adaptations for listings package for
11571 \lstKey{captiondirection}{texdirection}{%
11572   \lstKV@SwitchCases{#1}%
11573   {texdirection&\\%
11574     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
11575     LTR&\chardef\bidi@lst@caption@direction\@z}%
11576   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
11577 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
11578   \ifundefined{bidi@lst@caption@direction}{\}%
11579   \ifnum\bidi@lst@caption@direction=\@z%
11580     #1%
11581   \else%
11582     \ifnum\bidi@lst@caption@direction=\@ne%
11583       #2%
11584     \fi%
11585   \fi%
11586 }}
11587 \long\def\bidi@lst@makecaption#1#2{%
11588   \vskip\abovecaptionskip
11589   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
11590   \sbox\@tempboxa{%
11591     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
11592     #1: #2%
11593     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
11594   }%
11595   \ifdim \wd\@tempboxa >\hsize
11596     #1: #2\par
11597   \else
11598     \global \@minipagefalse
11599     \hbxt@hsize{\hfil\box\@tempboxa\hfil}%
11600   \fi
11601   \vskip\belowcaptionskip}%
11602 \def\lst@makecaption{\bidi@lst@makecaption}
11603 \def\lst@maketitle{\bidi@lst@makecaption\lst@title@dropdelim}

```




```

11604 \bidi@patchcmd{\lst@MakeCaption}{%
11605             \addcontentsline{lol}{lstlisting}%
11606             {\protect\numberline{\thelstlisting}\lst@caption}%
11607 }{%
11608 \beginngroup%
11609     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
11610     \addcontentsline{lol}{lstlisting}%
11611     {\protect\numberline{\thelstlisting}\lst@caption}%
11612 \endgroup%
11613 }{}{}
11614 \AtBeginDocument{%
11615     \@ifundefined{captionlabelfalse}{}{%
11616         \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\empty}%
11617     \@ifundefined{caption@startrue}{}{%
11618         \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\empty}%
11619 }
11620 \AtBeginDocument{
11621     \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
11622     \lst@ifnumberbychapter
11623         \gdef\thelstlisting%
11624             {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
11625     \else
11626         \gdef\thelstlisting{\@arabic\c@lstlisting}
11627     \fi}

```

7.74 loadingorder-xetex-bidi.def

```

11628 \ProvidesFile{loadingorder-xetex-bidi.def}[2013/05/22 v0.95 making sure that bidi is the last pa
11629 \bidi@isloaded{amsmath}
11630 \bidi@isloaded{amstext}
11631 \bidi@isloaded{amsthm}
11632 \bidi@isloaded{breqn}
11633 \bidi@isloaded{cals}
11634 \bidi@isloaded{caption}
11635 \bidi@isloaded{crop}
11636 \bidi@isloaded{cuted}
11637 \bidi@isloaded{cutwin}
11638 \bidi@isloaded{color}
11639 \bidi@isloaded{dblfnote}
11640 \bidi@isloaded{xcolor}
11641 \bidi@isloaded{colortbl}
11642 \bidi@isloaded{float}
11643 \bidi@isloaded{floatrow}
11644 \bidi@isloaded{flowfram}
11645 \bidi@isloaded{framed}
11646 \bidi@isloaded{ftnright}
11647 \bidi@isloaded{xltextra}
11648 \bidi@isloaded{xunicode}
11649 \bidi@isloaded{wrapfig}
11650 \bidi@isloaded{graphicx}

```



```

11651 \bidi@isloaded{geometry}
11652 \bidi@isloaded{hvfloat}
11653 \bidi@isloaded{mdframed}
11654 \bidi@isloaded{midfloat}
11655 \bidi@isloaded{ntheorem}
11656 \bidi@isloaded{ntheorem-hyper}
11657 \bidi@isloaded{hyperref}
11658 \bidi@isloaded{fancybox}
11659 \bidi@isloaded{fancyhdr}
11660 \bidi@isloaded{fix2col}
11661 \bidi@isloaded{draftwatermark}
11662 \bidi@isloaded{empheq}
11663 \bidi@isloaded{pdfpages}
11664 \bidi@isloaded{listings}
11665 \bidi@isloaded{lettrine}
11666 \bidi@isloaded{pstricks}
11667 \bidi@isloaded{pgf}
11668 \bidi@isloaded{picinpar}
11669 \bidi@isloaded{quotchap}
11670 \bidi@isloaded{tikz}
11671 \bidi@isloaded{titlesec}
11672 \bidi@isloaded{titletoc}
11673 \bidi@isloaded{array}
11674 \bidi@isloaded{stabular}
11675 \bidi@isloaded{subfig}
11676 \bidi@isloaded{subfigure}
11677 \bidi@isloaded{supertabular}
11678 \bidi@isloaded{xtab}
11679 \bidi@isloaded{longtable}
11680 \bidi@isloaded{arydshln}
11681 \bidi@isloaded{multicol}
11682 \bidi@isloaded{multienum}
11683 \bidi@isloaded{minitoc}
11684 \bidi@isloaded{natbib}
11685 \bidi@isloaded{newfloat}
11686 \bidi@isloaded{ragged2e}
11687 \bidi@isloaded{rotating}
11688 \bidi@isloaded{tabls}
11689 \bidi@isloaded{tabulary}
11690 \bidi@isloaded{tocstyle}
11691 \bidi@isloaded{tocbibind}
11692 \bidi@isloaded{fontspec}
11693 \bidi@isloaded{arabxetex}
11694 \bidi@isloaded{polyglossia}
11695 \bidi@isloaded{fancyvrb}
11696 \AtBeginDocument{
11697   \if@bidi@amsmathloaded@ \else
11698     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. P
11699     \fi%
11700     \if@bidi@amstextloaded@ \else

```



```

11701 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. P
11702 \fi%
11703 \if@bidi@amsthmloaded@else
11704 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. P
11705 \fi%
11706 \if@bidi@breqnloaded@else
11707 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Ple
11708 \fi%
11709 \if@bidi@calsloaded@else
11710 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Plea
11711 \fi%
11712 \if@bidi@captionloaded@else
11713 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. P
11714 \fi%
11715 \if@bidi@croplloaded@else
11716 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Plea
11717 \fi%
11718 \if@bidi@colorloaded@else
11719 \@ifpackageloaded{hyperref}{}{%
11720 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Ple
11721 \fi%
11722 \if@bidi@cutwinloaded@else
11723 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. P
11724 \fi%
11725 \if@bidi@cutedloaded@else
11726 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Ple
11727 \fi%
11728 \if@bidi@dblfnotloaded@else
11729 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
11730 \fi%
11731 \if@bidi@xcolorloaded@else
11732 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. P
11733 \fi%
11734 \if@bidi@colortblloaded@else
11735 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
11736 \fi%
11737 \if@bidi@floatloaded@else
11738 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Ple
11739 \fi%
11740 \if@bidi@floatrowloaded@else
11741 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
11742 \fi%
11743 \if@bidi@flowframloaded@else
11744 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
11745 \fi%
11746 \if@bidi@framedloaded@else
11747 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. P
11748 \fi%
11749 \if@bidi@ftnrightloaded@else
11750 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.

```



```

11751 \fi%
11752 \if@bidi@xltxttrloaded@else
11753 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltextra after bidi package. F
11754 \fi%
11755 \if@bidi@xunicodeloaded@else
11756 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.
11757 \fi%
11758 \if@bidi@wrapfigloaded@else
11759 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. F
11760 \fi%
11761 \if@bidi@graphicxloaded@else
11762 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.
11763 \fi%
11764 \if@bidi@geometryloaded@else
11765 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.
11766 \fi%
11767 \if@bidi@hvffloatloaded@else
11768 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvffloat after bidi package. F
11769 \fi%
11770 \if@bidi@mdframedloaded@else
11771 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
11772 \fi%
11773 \if@bidi@midfloatloaded@else
11774 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
11775 \fi%
11776 \if@bidi@ntheoremloaded@else
11777 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
11778 \fi%
11779 \if@bidi@hyperrefloaded@else
11780 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
11781 \fi%
11782 \if@bidi@fancyboxloaded@else
11783 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
11784 \fi%
11785 \if@bidi@fancyhdrloaded@else
11786 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
11787 \fi%
11788 \if@bidi@draftwatermarkloaded@else
11789 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
11790 \fi%
11791 \if@bidi@empheqloaded@else
11792 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. P
11793 \fi%
11794 \if@bidi@pdfpagesloaded@else
11795 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
11796 \fi%
11797 \if@bidi@lettrineloaded@else
11798 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
11799 \fi%
11800 \if@bidi@listingsloaded@else

```



```

11801 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
11802 \fi%
11803 \if@bidi@pstricksloaded@else
11804 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
11805 \fi%
11806 \if@bidi@pgfloaded@else
11807 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
11808 \fi%
11809 \if@bidi@picinparloaded@else
11810 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.
11811 \fi%
11812 \if@bidi@quotchaploaded@else
11813 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package.
11814 \fi%
11815 \if@bidi@tikzloaded@else
11816 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Pleas
11817 \fi%
11818 \if@bidi@titlesecloaded@else
11819 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
11820 \fi%
11821 \if@bidi@titletocloaded@else
11822 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
11823 \fi%
11824 \if@bidi@arrayloaded@else
11825 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
11826 \fi%
11827 \if@bidi@stabularloaded@else
11828 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
11829 \fi%
11830 \if@bidi@subfigloaded@else
11831 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. PL
11832 \fi%
11833 \if@bidi@subfigureloaded@else
11834 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package
11835 \fi%
11836 \if@bidi@supertabularloaded@else
11837 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi pack
11838 \fi%
11839 \if@bidi@xtabloaded@else
11840 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Plea
11841 \fi%
11842 \if@bidi@longtableloaded@else
11843 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package
11844 \fi%
11845 \if@bidi@arydshlnloaded@else
11846 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
11847 \fi%
11848 \if@bidi@multicolloaded@else
11849 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
11850 \fi%

```



```

11851 \if@bidi@multienumloaded@\else
11852 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package. P
11853 \fi%
11854 \if@bidi@minitocloaded@\else
11855 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. P
11856 \fi%
11857 \if@bidi@natbibloaded@\else
11858 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. P
11859 \fi%
11860 \if@bidi@newfloatloaded@\else
11861 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
11862 \fi%
11863 \csname if@bidi@ragged2eloaded@endcsname\else
11864 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
11865 \fi%
11866 \if@bidi@rotatingloaded@\else
11867 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
11868 \fi%
11869 \if@bidi@tblsloaded@\else
11870 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package. Ple
11871 \fi%
11872 \if@bidi@tabularyloaded@\else
11873 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package.
11874 \fi%
11875 \if@bidi@tocstyleloaded@\else
11876 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
11877 \fi%
11878 \if@bidi@tocbibindloaded@\else
11879 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package
11880 \fi%
11881 \if@bidi@fontspecloaded@\else
11882 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
11883 \fi%
11884 \if@bidi@arabxetexloaded@\else
11885 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package
11886 \fi%
11887 \if@bidi@polyglossialoaded@\else
11888 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packa
11889 \fi%
11890 \if@bidi@fancyvrbloaded@\else
11891 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
11892 \fi%
11893 }

```

7.75 longtable-xetex-bidi.def

```

11894 \ProvidesFile{longtable-xetex-bidi.def}[2013/04/01 v0.3 bidi adaptations for longtable package f
11895 \def\LT@array[#1]#2{%
11896 \refstepcounter{table}\stepcounter{LT@tables}%
11897 \if l#1%

```



```

11898 \if@RTLtab\LTleft\fill \Ltright\z@\else\LTleft\z@ \Ltright\fill\fi
11899 \else\if r#1%
11900 \if@RTLtab\LTleft\z@ \Ltright\fill\else\LTleft\fill \Ltright\z@\fi
11901 \else\if c#1%
11902 \LTleft\fill \Ltright\fill
11903 \fi\fi\fi
11904 \let\LT@mc\multicolumn
11905 \let\LT@@tabarray\@tabarray
11906 \let\LT@hl\hline
11907 \def\@tabarray{%
11908 \let\hline\LT@hl
11909 \LT@@tabarray}%
11910 \let\\LT@tabularcr\let\tabularnewline\\%
11911 \def\newpage{\noalign{\break}}%
11912 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
11913 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
11914 \let\hline\LT@hl \let\kill\LT@kill\let\caption\LT@caption
11915 \@tempdima\ht\strutbox
11916 \let\@endpbox\LT@endpbox
11917 \ifx\extrarowheight\@undefined
11918 \let\@acol\@tabacol
11919 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
11920 \def\@startpbox{\vtop\LT@startpbox}%
11921 \let\@startpbox\@startpbox
11922 \let\@endpbox\@endpbox
11923 \let\LT@LL@FM@cr\@tabularcr
11924 \else
11925 \advance\@tempdima\extrarowheight
11926 \col@sep\tabcolsep
11927 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
11928 \fi
11929 \setbox\@arstrutbox\hbox{\vrule
11930 \@height \arraystretch \@tempdima
11931 \@depth \arraystretch \dp \strutbox
11932 \@width \z@}%
11933 \let\@sharp#\let\protect\relax
11934 \begingroup
11935 \mkpream{#2}%
11936 \xdef\LT@bchunk{%
11937 \global\advance\c@LT@chunks\@ne
11938 \global\LT@rows\z@\setbox\z@\vbox\bgroup
11939 \LT@setprevdepth
11940 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
11941 \tabskip\z@ \@arstrut \preamble \tabskip\Ltright \cr}%
11942 \endgroup
11943 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
11944 \LT@make@row
11945 \m@th\let\par\@empty
11946 \everycr{}\lineskip\z@\baselineskip\z@
11947 \LT@bchunk}

```



```

11948 \def\LT@makecaption#1#2#3{%
11949   \LT@mc\LT@cols c{\hbox to\z@{\hss\parbox[t]{\LTcapwidth{%
11950     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
11951     \ifdim\wd\@tempboxa>\hsize
11952       #1{#2: }#3%
11953     \else
11954       \hbox to\hsize{\hfil\box\@tempboxa\hfil}}%
11955     \fi
11956   \endgraf\vskip\baselineskip}%
11957 \hss}}
11958 \def\LT@startpbox#1{%
11959   \bgroup
11960   \let\@footnotetext\LT@p@ftntext
11961   \let\@LTRfootnotetext\LT@p@LTRftntext
11962   \let\@RTLfootnotetext\LT@p@RTLftntext
11963   \setlength\hsize{#1}%
11964   \@arrayparboxrestore
11965   \vrule \@height \ht\@arstrutbox \@width \z@}
11966 \def\LT@p@LTRftntext#1{%
11967   \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
11968   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
11969 \def\LT@p@RTLftntext#1{%
11970   \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
11971   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

7.76 mdframed-xetex-bidi.def

```

11972 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for
11973 \newif\if@bidi@mdf@RTL
11974 \def\mdf@lrbox#1{%
11975   \mdf@patchamsthm\patch amsthm
11976   \if@RTL\@bidi@mdf@RTLtrue\fi%
11977   \@RTLfalse%
11978   \setbox#1\vbox\bgroup%
11979   \color@begingroup%
11980   \if@bidi@mdf@RTL\@RTLtrue\fi%
11981   \mdf@horizontalmargin@equation%
11982   \columnwidth=\hsize%
11983   \textwidth=\hsize%
11984   \let\if@nobreak\iffalse%
11985   \let\if@noskipsec\iffalse%
11986   \let\par\@par%
11987   \let\-\@dischyph%
11988   \let'\@acci\let'\@accii\let\=\@acciii%
11989   \parindent\z@ \parskip\z@skip%
11990   \linewidth\hsize%
11991   \@totalleftmargin\z@%
11992   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
11993   \parfillskip\@flushglue \lineskip\normallineskip%
11994   \baselineskip\normalbaselineskip%

```




```

11995 %% \sloppy%
11996 \let\\\@normalcr%
11997 \mdf@par@local%New feature to restore parskip/parindent local in save box
11998 \ifbool{mdf@suppressfirstparskip}{\vspace*{--\parskip}}{}%
11999 \@afterindentfalse%
12000 %\@afterheading%
12001 }
12002 \renewrobustcmd\mdfframetitleenv[1]{%
12003 \mdf@lrbox{\mdf@frametitlebox}%
12004 \mdf@frametitlealignment%
12005 \leavevmode{\color{\mdf@frametitlefontcolor}}%
12006 \normalfont\mdf@frametitlefont{#1}
12007 \ifbool{mdf@ignorelastdescenders}%
12008 {%
12009 \par\strut\par
12010 \unskip\unskip\setbox0=\lastbox
12011 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12012 }{}}%
12013 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
12014 \endmdf@lrbox\relax%
12015 \mdf@ignorevbadness%
12016 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12017 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12018 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12019 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
12020 \mdfframetitleboxtotalheight=\dimexpr
12021 \ht\mdf@frametitlebox
12022 +\dp\mdf@frametitlebox%
12023 +\mdf@frametitleaboveskip@length
12024 +\mdf@frametitlebelowskip@length
12025 \relax%
12026 }
12027
12028 \renewrobustcmd*\mdf@footnoteoutput{%
12029 \ifvoid\@mpfootins\else%
12030 \nobreak%
12031 \vskip\mdf@footnotedistance@length%
12032 \normalcolor%
12033 \bidi@mpfootnoterule%
12034 \unvbox\@mpfootins%
12035 \fi%
12036 }
12037
12038
12039 \renewrobustcmd*\mdf@footnoteinput{%
12040 \def\@mpfn{mpfootnote}%
12041 \def\thempfn{\thempfootnote}%
12042 \c@mpfootnote\z@%
12043 \let\@footnotetext\@mpfootnotetext%
12044 \let\@LTRfootnotetext\@mplTRfootnotetext%

```



```

12045 \let\@RTLfootnotetext\@mpRTLfootnotetext%
12046 }

```

7.77 memoir-xetex-bidi.def

```

12047 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]
12048 \renewcommand{\keepthetitle}{%
12049 \@bsmttitleempty
12050 \global\let\thanks\relax
12051 \global\let\LTRthanks\relax
12052 \global\let\RTLthanks\relax
12053 \global\let\and\relax
12054 \global\let\andnext\relax
12055 \global\let\@thanks\@empty
12056 \global\let\@title\@empty
12057 \global\let\@author\@empty
12058 \global\let\@date\@empty}
12059 \renewcommand{\maketitle}{\par
12060 \begingroup
12061 \@bsmarkseries
12062 \def\@makefnmark{\@textsuperscript{%
12063 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
12064 \long\def\@makefntext##1{\makethanksmark ##1}
12065 \if@twocolumn
12066 \ifnum \col@number=\@ne
12067 \@maketitle
12068 \else
12069 \twocolumn[\@maketitle]%
12070 \fi
12071 \else
12072 \ifdim\pagetotal>\z@
12073 \newpage
12074 \fi
12075 \global\@topnum\z@
12076 \@maketitle
12077 \fi
12078 \thispagestyle{title}\@thanks
12079 \endgroup
12080 \@bscontmark % \setcounter{footnote}{0}%
12081 }
12082 \renewcommand*{\memRTLleftskip}{\if@RTL\righskip\else\leftskip\fi}
12083 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\righskip\fi}
12084 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
12085 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
12086 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
12087 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
12088 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
12089 \renewcommand*{\thesubsection}{%
12090 \thesection\@SepMark\@arabic\c@subsection}
12091 \renewcommand*{\thesubsubsection}{%

```



```

12092         \thesubsection\@SepMark\@arabic\c@subsubsection}
12093 \renewcommand*{\theparagraph}{%
12094         \thesubsubsection\@SepMark\@arabic\c@paragraph}
12095 \renewcommand*{\thesubparagraph}{%
12096         \theparagraph\@SepMark\@arabic\c@subparagraph}
12097 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
12098 \renewcommand{\theequation}{%
12099     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12100 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
12101 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
12102 \ifartopt
12103     \chapterstyle{article}
12104     \counterwithout{figure}{chapter}
12105     \counterwithout{table}{chapter}
12106     \counterwithout{footnote}{chapter}
12107     \counterwithout{equation}{chapter}
12108     \renewcommand{\chaptername}{\fi}
12109     \renewcommand{\maketitlehookb}{%
12110         \vskip -1.5\topsep\vskip -1.5\partopsep}
12111     \renewcommand{\maketitlehookc}{%
12112         \vskip -1.5\topsep\vskip -1.5\partopsep}
12113 \fi
12114 \long\def\@makecaption#1#2{\let\@memtempa\relax
12115     \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
12116     \else \def\@memtempa{\vbox to\topskip{}}\fi
12117     \let\@contfnote\footnote \renewcommand{\footnote}[2]{}{}
12118     \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1]{}{}
12119     \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
12120     \let\footnote\@contfnote
12121     \let\footnotemark\@contfmark
12122     \ifdim\wd\@tempboxa<\linewidth \centering \fi
12123     \if@contcw
12124         \centering
12125         \parbox{\@contcwidth}{%
12126             \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
12127         \fi
12128     \ifdim\wd\@tempboxa<\linewidth
12129         \@contpre
12130         {\@contnfont #1\@contdelim}\@memtempa
12131         {\@contcshortstyle \@conttfont #2\@contfinal\par}
12132     \else
12133         \if@conthang
12134             \sbox\@tempboxa{\@contnfont #1\@contdelim}
12135             \@contpre%
12136             {\@contcstyle\hangindent=\wd\@tempboxa
12137                 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
12138         \else
12139             \if@contindent
12140                 \@contpre%
12141                 {\@contnfont #1\@contdelim}\@memtempa

```



```

12142      {\@contcstyle\hangindent=\@contindw
12143        \hangafter=\@ne\@conttfont #2\@contfinal\par}% <- v1.4
12144      \else
12145        \@contpre%
12146        {\@contnfont #1\@contdelim}\@memtempa
12147        {\@contcstyle \@conttfont #2\@contfinal\par}
12148      \fi
12149    \fi
12150  \fi
12151  \@contpost
12152  \if@contcw
12153    \par
12154  } % end of the \parbox
12155  \fi
12156  \vskip\belowcaptionskip}
12157  \ifpackageloaded{caption}{%
12158  \AtBeginPackage{caption}{%
12159  \ClassWarningNoLine{memoir}{%
12160    You are using the caption package with the memoir \MessageBreak
12161    class. This may cause unexpected or inconsistent \MessageBreak
12162    results if you use any of memoir's captioning facilities}
12163
12164  \long\def\@makecaption##1##2{%
12165    \vskip\abovecaptionskip
12166    \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
12167    \ifdim \wd\@tempboxa >\hsize
12168      \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
12169    \else
12170      \global \@minipagefalse
12171      \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12172    \fi
12173    \vskip\belowcaptionskip}
12174
12175  \def\caption{%
12176    \ifx\@captype\@undefined
12177      \@latex@error{\noexpand\caption outside float}\@ehd
12178      \expandafter\@gobble
12179    \else
12180      \refstepcounter\@captype
12181      \expandafter\@firstofone
12182    \fi
12183    {\@dblarg{\@caption\@captype}}}%
12184  }
12185
12186  \long\def\@caption##1[##2]##3{%
12187    \par
12188    \addcontentsline{\csname ext@##1\endcsname}{##1}%
12189    {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
12190    \begingroup
12191      \@parboxrestore

```



```

12192 \if@minipage
12193 \setminipage
12194 \fi
12195 \normalsize
12196 \makecaption{\csname fnum###1\endcsname}{\ignorespaces ##3}\par
12197 \endgroup}
12198 }}{}
12199 \renewenvironment{thebibliography}[1]{%
12200 \bibsection
12201 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
12202 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

7.78 midfloat-xetex-bidi.def

```

12203 \ProvidesFile{midfloat-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for midfloat package for
12204 \def\RTL@outputdblcol{%
12205 \if@firstcolumn
12206 \global \@firstcolumnfalse
12207 \global \setbox\@leftcolumn \box\@outputbox
12208 \global\c@colht\@colht\global\c@advvipersep\z@
12209 \ifnum\jua@sk>0
12210 \remove@strip\jua@sar
12211 \global\@colht\the\jua@pr
12212 \ifdim\right@cor>\z@
12213 \global\advance\@colht by\right@cor
12214 \fi
12215 \global\advance\@colht by\cor@height
12216 \global\cor@height=0pt
12217 \fi
12218 \global \setbox\@rightcolumn \vbox{%
12219 \else
12220 \ifdim\c@colht>\@colht
12221 \@tempdima\@colht
12222 \ifdim\@colht>\z@
12223 \global\setbox\@rightcolumn \vbox{%
12224 \unvbox\@rightcolumn
12225 \vbox to\@tempdima{%
12226 \vskip\c@advvipersep\unvbox\@outputbox}%
12227 \vskip\stripsep
12228 \vrule height\the\jua@ht width 0pt depth 0pt
12229 \vskip\stripsep
12230 }%
12231 \global\c@advvipersep\m@advvipersep
12232 \else
12233 \global\setbox\@rightcolumn \vbox{%
12234 \unvbox\@rightcolumn
12235 \vrule height\the\jua@ht width 0pt depth 0pt
12236 \vskip\stripsep
12237 }%
12238 \fi

```



```

12239         \ifnum\jua@sk>0
12240             \remove@strip\jua@sar
12241             \global\@colht\the\jua@pr
12242             \global\advance\@colht by -\ht\@rightcolumn
12243             \global\advance\@colht by\cor@height
12244             \global\cor@height=0pt
12245         \else
12246             \global\advance\c@colht by-\ht\@rightcolumn
12247             \global\@colht\c@colht
12248         \fi
12249     \else
12250     \global\@firstcolumntrue
12251     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
12252         \unvbox\@rightcolumn
12253         \vskip\c@addvipersep
12254         \unvbox\@outputbox
12255     }%
12256     \setbox\@outputbox \vbox {%
12257         \hb@xt@\textwidth {%
12258             \hskip \columnwidth
12259             \hfil
12260             \vrule \@width\columnseprule
12261             \hfil
12262             \hb@xt@\columnwidth {%
12263                 \box\@leftcolumn \hss}%
12264             \hskip-\textwidth
12265             \hb@xt@\columnwidth {%
12266                 \box\@outputbox \hss}%
12267             \hskip\columnwidth
12268             \hskip\columnsep}%
12269         }%
12270     \@combinedblfloats
12271     \@outputpage
12272     \begingroup
12273         \@dblfloatplacement
12274         \@startdblcolumn
12275         \@whilesw\if@fcolmade \fi
12276             {\@outputpage
12277              \@startdblcolumn}%
12278     \endgroup
12279     \global\jua@sk=0\global\jua@sar={}
12280     \global\cor@height\z@\global\c@addvipersep\z@
12281     \fi
12282 \fi
12283 }
12284
12285
12286 \def\LTR@outputdblcol{%
12287     \if@firstcolumn
12288         \global \@firstcolumnfalse

```



```

12289 \global \setbox\@leftcolumn \box\@outputbox
12290 \global\c@colht\@colht\global\c@advipersep\z@
12291 \ifnum\jua@sk>0
12292     \remove@strip\jua@sar
12293     \global\@colht\the\jua@pr
12294     \ifdim\right@cor>\z@
12295         \global\advance\@colht by\right@cor
12296     \fi
12297     \global\advance\@colht by\cor@height
12298     \global\cor@height=0pt
12299 \fi
12300 \global \setbox\@rightcolumn \vbox{}%
12301 \else
12302     \ifdim\c@colht>\@colht
12303         \@tempdima\@colht
12304         \ifdim\@colht>\z@
12305             \global\setbox\@rightcolumn \vbox{%
12306                 \unvbox\@rightcolumn
12307                 \vbox to\@tempdima{%
12308                     \vskip\c@advipersep\unvbox\@outputbox}%
12309                 \vskip\stripsep
12310                 \vrule height\the\jua@ht width 0pt depth 0pt
12311                 \vskip\stripsep
12312             }%
12313             \global\c@advipersep\m@advipersep
12314         \else
12315             \global\setbox\@rightcolumn \vbox{%
12316                 \unvbox\@rightcolumn
12317                 \vrule height\the\jua@ht width 0pt depth 0pt
12318                 \vskip\stripsep
12319             }%
12320         \fi
12321     \ifnum\jua@sk>0
12322         \remove@strip\jua@sar
12323         \global\@colht\the\jua@pr
12324         \global\advance\@colht by -\ht\@rightcolumn
12325         \global\advance\@colht by\cor@height
12326         \global\cor@height=0pt
12327     \else
12328         \global\advance\c@colht by-\ht\@rightcolumn
12329         \global\@colht\c@colht
12330     \fi
12331 \else
12332     \global\@firstcolumntrue
12333     \global\setbox\@outputbox\vbox to\ht\@leftcolumnf{%
12334         \unvbox\@rightcolumn
12335         \vskip\c@advipersep
12336         \unvbox\@outputbox
12337     }%
12338     \setbox\@outputbox \vbox {%

```



```

12339             \hb@xt@\textwidth {%
12340             \hb@xt@\columnwidth {%
12341             \box\@leftcolumn \hss}%
12342             \hfil
12343             \vrule \@width\columnseprule
12344             \hfil
12345             \hb@xt@\columnwidth {%
12346             \box\@outputbox \hss}%
12347             }%
12348         }%
12349     \@combinedblfloats
12350     \@outputpage
12351     \beginngroup
12352         \@dblfloatplacement
12353         \@startdblcolumn
12354         \@whiles\if@fcolmade \fi
12355         {\@outputpage
12356         \@startdblcolumn}%
12357     \endgroup
12358     \global\jua@sk=0\global\jua@sar={}%
12359     \global\cor@height\z@\global\c@addvipersep\z@
12360     \fi
12361 \fi
12362 }
12363
12364
12365 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
12366 \global\setbox\@viper\ vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\v
12367     \hsize\textwidth
12368     \@parboxrestore
12369     \col@number \@ne
12370     \vrule height\topskip width0pt depth0pt
12371 }
12372
12373 \def\endstrip{%
12374     \egroup\egroup
12375     \if@firstcolumn
12376         \ifdim\pagetotal>\z@
12377             \vskip\stripsep
12378             \global\ht@strip\pagegoal
12379             \global\advance\ht@strip by-\pagetotal
12380             \global\advance\ht@strip by-\stripsep
12381             \global\advance\ht@strip by-\ht\@viper
12382             \global\advance\ht@strip by-\stripsep
12383             \global\jua@ht=\ht\@viper
12384         \else
12385             \global\ht@strip\z@
12386         \fi
12387         \ifdim\ht@strip>\z@
12388             \unvbox\@viper

```




```

12389         \vskip\stripsep
12390         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
12391         \global\advance\jua@sk by1
12392         \else
12393         \latex@error{Strip needs more place!}\@ehc
12394         \if@vihproof
12395         \framebox[\columnwidth]{??? Strip ???}%
12396         \fi
12397         \fi
12398     \else
12399     \latex@error{Strip is used only on left column!}\@ehc
12400     \if@vihproof
12401     \framebox[\columnwidth]{??? Strip ???}%
12402     \fi
12403     \fi
12404 }

```

7.79 minitoc-xetex-bidi.def

```

12405 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for Xe
12406 \def\@undottedtocline#1#2#3#4#5{%
12407     \ifnum #1>\c@tocdepth\relax \else
12408     \vskip \z@ plus.2\p@
12409     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p
12410     \parindent #2\relax\@afterindenttrue
12411     \interlinepenalty\@M
12412     \leavevmode
12413     \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
12414     \hskip -\if@RTL\righskip\else\leftskip\fi
12415     #4\nobreak\hfill \nobreak
12416     \null\par}%
12417     \fi}
12418 \def\@Undottedtocline#1#2#3#4#5{%
12419     \ifnum #1>\c@tocdepth\relax \else
12420     \vskip \z@ \@plus.2\p@
12421     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p
12422     \parindent #2\relax\@afterindenttrue
12423     \interlinepenalty\@M
12424     \leavevmode
12425     \@tempdima #3\relax
12426     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
12427     {\coffefont #4}\nobreak \nobreak\null
12428     \par}%
12429     \fi}
12430 \def\@Undottedtoclinep#1#2#3#4#5{%
12431     \ifnum #1>\c@tocdepth\relax \else
12432     \vskip \z@ \@plus.2\p@
12433     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p
12434     \parindent #2\relax\@afterindenttrue
12435     \interlinepenalty\@M

```



```

12436 \leavevmode
12437 \@tempdima #3\relax
12438 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
12439 {#4}\nobreak \hfill \nobreak\null
12440 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
12441 \par}%
12442 \fi}

```

7.8o multicol-xetex-bidi.def

```

12443 \ProvidesFile{multicol-xetex-bidi.def}[2014/09/20 v0.6 bidi adaptations for multicol package for
12444 \def\page@sofar{%
12445 \process@cols\mult@rightbox
12446 {\ifvoid\count@
12447 \setbox\count@\hbox to\hsize}%
12448 \else
12449 \wd\count@\hsize
12450 \fi}%
12451 \count@\col@number \advance\count@\m@ne
12452 \mult@info\z@
12453 {Column spec: \the\full@width\space = indent
12454 + columns + sep =\MessageBreak
12455 \the\multicol@leftmargin\space
12456 + \the\col@number\space
12457 x \the\hsize\space
12458 + \the\count@\space
12459 x \the\columnsep
12460 }%
12461 \ifvmode\else\errmessage{Multicol Error}\fi
12462 \nointerlineskip
12463 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
12464 \moveright\multicol@leftmargin
12465 \hbox to\full@width{%
12466 \bidi@multicol@align@columns
12467 \rlap{\phantom p}}%
12468 }%
12469 \prevdepth\z@
12470 \kern-\dimen\tw@
12471 \ifdim\dimen\tw@ > \mc@gridwarn
12472 \PackageWarning{multicol}%
12473 {Very deep columns!\MessageBreak
12474 Grid alignment might be broken}%
12475 \fi
12476 }
12477 \def\LTR@column@boxes{%
12478 \process@cols\mult@gfirstbox{%
12479 \ifdim\dp\count@>\dimen\tw@
12480 \global\dimen\tw@\dp\count@ \fi
12481 \mc@col@status@write
12482 \box\count@

```



```

12483     \hss{\columnseprulecolor\vrule
12484         \@width\columnseprule}\hss}%
12485     \ifdim\dp\mult@rightbox>\dimen\tw@
12486         \global\dimen\tw@\dp\mult@rightbox \fi
12487     \mc@lastcol@status@write
12488     \box\mult@rightbox
12489 }
12490
12491 \def\RTL@column@boxes{%
12492     \process@cols\mult@gfirstbox{%
12493         \hskip\hsize
12494         \hss{\columnseprulecolor\vrule
12495             \@width\columnseprule}\hss
12496     }%
12497     \hskip\hsize
12498     \process@cols\mult@gfirstbox{%
12499         \ifdim\dp\count@>\dimen\tw@
12500             \global\dimen\tw@\dp\count@ \fi
12501         \hskip-\hsize
12502         \mc@col@status@write
12503         \box\count@
12504         \hskip-\hsize
12505         \hskip-\columnsep
12506     }%
12507     \ifdim\dp\mult@rightbox>\dimen\tw@
12508         \global\dimen\tw@\dp\mult@rightbox \fi
12509     \hskip-\hsize
12510     \mc@lastcol@status@write
12511     \box\mult@rightbox
12512     \hskip-\hsize
12513     \hskip\full@width
12514 }
12515 \newcommand\RTLmulticolcolumns
12516 {\let\bidimulticol@align@columns
12517   \RTL@column@boxes}
12518 \newcommand\LTRmulticolcolumns
12519 {\let\bidimulticol@align@columns
12520   \LTR@column@boxes}
12521 \newcommand\bidimulticol@align@columns
12522 {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
12523 \def\multicols#1{\col@number#1\relax
12524   \ifnum\col@number<\tw@
12525     \PackageWarning{multicol}%
12526     {Using ~\number\col@number'
12527       columns doesn't seem a good idea.^^J
12528       I therefore use two columns instead}%
12529     \col@number\tw@ \fi
12530   \ifnum\col@number>10
12531     \PackageError{multicol}%
12532     {Too many columns}%

```



```

12533 {Current implementation doesn't
12534 support more than 10 columns.%
12535 \MessageBreak
12536 I therefore use 10 columns instead}%
12537 \col@number10 \fi
12538 \ifx\@footnotetext\mult@footnotetext\else
12539 \let\orig@footnotetext\@footnotetext
12540 \let\@footnotetext\mult@footnotetext
12541 \fi
12542 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
12543 \let\orig@LTRfootnotetext\@LTRfootnotetext
12544 \let\@LTRfootnotetext\mult@LTRfootnotetext
12545 \fi
12546 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
12547 \let\orig@RTLfootnotetext\@RTLfootnotetext
12548 \let\@RTLfootnotetext\mult@RTLfootnotetext
12549 \fi
12550 \ifnextchar[\mult@cols{\mult@cols[]}]
12551 \long\def\mult@footnotetext#1{\begingroup
12552 \hsize\textwidth
12553 \columnwidth\textwidth
12554 \orig@footnotetext{#1}\endgroup}
12555 \long\def\mult@LTRfootnotetext#1{\begingroup
12556 \hsize\textwidth
12557 \columnwidth\textwidth
12558 \orig@LTRfootnotetext{#1}\endgroup}
12559 \long\def\mult@RTLfootnotetext#1{\begingroup
12560 \hsize\textwidth
12561 \columnwidth\textwidth
12562 \orig@RTLfootnotetext{#1}\endgroup}
12563 \def\right@footnoterule{%
12564 \hbox to \textwidth
12565 {\beginR \vbox{\kern -3\p@
12566 \hrule width .4\columnwidth \kern2.6\p@\hfil\endR}}
12567 \def\textwidth@footnoterule{\kern-3\p@
12568 \hrule \@width \textwidth \kern 2.6\p@}

```

7.81 multienum-xetex-bidi.def

```

12569 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
12570 \renewcommand{\itemx}[1]{\parbox[t]{%
12571 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
12572 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
12573 \renewcommand{\itemxx}[2]{\parbox[t]{%
12574 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12575 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
12576 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12577 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
12578 \renewcommand{\itemxxx}[3]{\parbox[t]{%
12579 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%

```



```

12580 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
12581 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
12582 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
12583 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
12584 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
12585 \renewcommand{\itemxxxx}[4]{\parbox[t]%
12586 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12587 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
12588 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12589 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
12590 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12591 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
12592 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12593 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
12594 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
12595 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12596 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
12597 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12598 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
12599 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12600 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
12601 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12602 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
12603 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12604 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
12605 \renewcommand{\itemxox}[2]{\parbox[t]%
12606 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12607 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
12608 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12609 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
12610 \renewcommand{\itemxox}[2]{\parbox[t]%
12611 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12612 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
12613 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12614 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
12615 \renewcommand{\itemxox}[3]{\parbox[t]%
12616 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12617 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
12618 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12619 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
12620 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12621 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
12622 \renewcommand{\itemxox}[3]{\parbox[t]%
12623 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12624 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
12625 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12626 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
12627 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12628 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
12629 \renewcommand{\itemxox}[3]{\parbox[t]%

```



```

12630 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12631 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
12632 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12633 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
12634 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12635 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

7.82 natbib-xetex-bidi.def

```

12636 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
12637 \renewenvironment{thebibliography}[1]{%
12638   \bibsection
12639   \parindent\z@
12640   \bibpreamble
12641   \bibfont
12642   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
12643   \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
12644   \ifNAT@openbib
12645     \renewcommand\newblock{\par}%
12646   \else
12647     \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
12648   \fi
12649   \sloppy\clubpenalty4000\widowpenalty4000
12650   \sfcode`\.\@m
12651   \let\NAT@bibitem@first@sw\@firstoftwo
12652   \let\citeN\cite \let\shortcite\cite
12653   \let\citeasnoun\cite
12654 }{%
12655   \bibitem@fin
12656   \bibpostamble
12657   \def\@noitemerr{%
12658     \PackageWarning{natbib}{Empty `thebibliography' environment}%
12659   }%
12660   \endlist
12661   \bibcleanup
12662 }%

```

7.83 newfloat-xetex-bidi.def

```

12663 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
12664 \renewcommand*\newfloat@setwithin[2]{%
12665   \ifcsname c@chapter\endcsname
12666     \@removefromreset{#1}{chapter}%
12667   \fi
12668   \@removefromreset{#1}{section}%
12669   \edef\@tempa{#2}%
12670   \ifx\@tempa\@empty
12671     \def\@tempa{none}%
12672   \fi
12673   \def\@tempb{none}%
12674   \ifx\@tempa\@tempb

```



```

12675 \ifcsname c@chapter\endcsname
12676 \chapterlistsgap@off{#1}%
12677 \fi
12678 \newfloat@@setwithin{#1}{-}{-}%
12679 \else
12680 \def\@tempb{chapter}%
12681 \ifx\@tempa\@tempb
12682 \addtoreset{#1}{chapter}%
12683 \chapterlistsgap@on{#1}%
12684 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
12685 \else
12686 \def\@tempb{section}%
12687 \ifx\@tempa\@tempb
12688 \addtoreset{#1}{section}%
12689 \ifcsname c@chapter\endcsname
12690 \addtoreset{#1}{chapter}%
12691 \chapterlistsgap@on{#1}%
12692 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
12693 \else
12694 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
12695 \fi
12696 \else
12697 \newfloat@Error{Invalid value `#2' for option `within'}%
12698 \fi
12699 \fi
12700 \fi}

```

7.84 ntheorem-xetex-bidi.def

```

12701 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for
12702 \gdef\@thm#1#2#3{%
12703 \if@thmmarks
12704 \stepcounter{end\InTheoType ctr}%
12705 \fi
12706 \renewcommand{\InTheoType}{#1}%
12707 \if@thmmarks
12708 \stepcounter{curr#1ctr}%
12709 \setcounter{end#1ctr}{0}%
12710 \fi
12711 \refstepcounter{#2}%
12712 \theorem@prework
12713 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
12714 \ifvmode \advance\thm@topsepadd\partopsep\fi
12715 \trivlist
12716 \@topsep \theorempreskipamount
12717 \@topsepadd \thm@topsepadd % used by \@endparenv
12718 \advance\linewidth -\theorem@indent
12719 \advance\@totalleftmargin \theorem@indent
12720 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
12721 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```



7.85 ntheorem-hyper-xetex-bidi.def

```
12722 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
12723 \gdef\@thm#1#2#3{%
12724   \if@thmmarks
12725     \stepcounter{end\InTheoType ctr}%
12726   \fi
12727   \renewcommand{\InTheoType}{#1}%
12728   \if@thmmarks
12729     \stepcounter{curr#1ctr}%
12730     \setcounter{end#1ctr}{0}%
12731   \fi
12732   \refstepcounter{#2}%
12733   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
12734   \ifvmode \advance\thm@topsepadd\partopsep\fi
12735   \trivlist
12736   \@topsep \theorempreskipamount
12737   \@topsepadd \thm@topsepadd % used by \@endparenv
12738   \advance\linewidth -\theorem@indent
12739   \advance\@totalleftmargin \theorem@indent
12740   \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
12741   \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}
```

7.86 pdfpages-xetex-bidi.def

```
12742 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for]
12743 \renewcommand*{\includepdf}[2][{}]{%
12744   \begingroup
12745   \@RTLfalse
12746   \let\AM@threadname\relax
12747   \AM@split@options{pdfpages}{#1}%
12748   \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
12749   \expandafter\setkeys\AM@temp
12750   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
12751     \let\AM@currentdocname\relax
12752     \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
12753     \def\AM@pagecount{0}%
12754   }{%
12755     \AM@findfile{#2}%
12756     \if\AM@threadname\relax
12757       \def\AM@threadname{\AM@currentdocname}%
12758     \fi
12759   }%
12760   \ifAM@survey
12761     \def\AM@pagestemp{}%
12762     \@tempcnta=0
12763     \def\foo{%
12764       \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
12765       {\let\foo\relax}
12766       {\expandafter\ifx\expandafter\\AM@pagestemp\\
12767         \edef\AM@pagestemp{%
```




```

12768             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
12769         \else
12770             \edef\AM@pagestemp{\AM@pagestemp,%
12771             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
12772         \fi
12773         \advance\@tempcnta 1\relax
12774     }%
12775     \foo
12776 }%
12777 \foo
12778 \expandafter\ifx\expandafter\\AM@pagestemp\\
12779 \def\AM@pagestemp{1}%
12780 \fi
12781 \fi
12782 \ifAM@output
12783 \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
12784 \AM@output{#1}%
12785 \fi
12786 \AM@CheckAtEnd
12787 \endgroup
12788 \AM@ClearShipoutPicture
12789 }

```

7.87 pgf-xetex-bidi.def

```

12790 \ProvidesFile{pgf-xetex-bidi.def}[2014/11/21 v0.6 bidi adaptations for pgf package for XeTeX eng
12791 \let\origin@pgfpicture=\pgfpicture
12792 \let\origin@endpgfpicture=\endpgfpicture
12793 \def\bidi@pgfpicture{\ifmmode\else\beginL\fi\origin@pgfpicture}
12794 \def\endbidi@pgfpicture{\origin@endpgfpicture\ifmmode\else\endL\fi}
12795 \def\pgfpicture{\ifmmode\else\LTR\noindent\beginL\fi\origin@pgfpicture}
12796 \def\endpgfpicture{\origin@endpgfpicture\ifmmode\else\endL\endLTR\fi}

```

7.88 picinpar-xetex-bidi.def

```

12797 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
12798 \long\def\@makewincaption#1#2{%
12799     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}}%
12800     \ifdim\wd\@tempboxa>\picwd
12801         {\footnotesize{\bf #1:\enspace}{#2\par}}
12802     \else
12803         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
12804     \fi}
12805 \def\endwindow{%
12806     \global\tcd=\tcdsav
12807     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
12808     \vbadness=10000
12809     \splittopskip=0pt
12810 %
12811 % Typeset the lines above the window
12812 %

```



```

12813 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
12814 \tcn=\tcd
12815 \loop\advance\tcn -1
12816 \setbox\fslice=\vsplit\holder to\baselineskip
12817 \prune\fslice\linewidth
12818 \topheight=0pt
12819 \ifnum\dp\fslice>\dp\wstrutbox
12820     \advance\topheight-\dp\fslice
12821     \advance\topheight\dp\wstrutbox
12822     \advance\topheight\ilg\fi
12823 \hbox to\linewidth{\box\fslice}
12824 \vskip-\topheight
12825 \ifdim\ht\holder>0pt\repeat
12826 \fi
12827 %
12828 % Now we build the boxes beside the window
12829 %
12830 \global\topheight=\tcl\baselineskip
12831 \ifnum\cumpartcl>0\global\tcl=\cumtcl
12832     \global\topheight=\vpic
12833 \fi
12834 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
12835 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
12836 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
12837 \tcn=\tcl \na=0 \nb=0
12838 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
12839 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
12840 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
12841 \ifnum\na=0\ifnum\nb=0
12842     \setbox\waslice=\vbox to\vpic{\vss}
12843     \setbox\wbslice=\vbox to\vpic{\vss}
12844     \bl=1\br=1
12845     \vskip\ilg
12846 \fi\fi
12847 %
12848 % both sides
12849 %
12850 \ifnum\na>0 \ifnum\nb>0
12851 \loop\advance\nb -1
12852 \advance\na -1
12853 \if@RTL%
12854 \setbox\bslice=\vsplit\holder to\baselineskip
12855 \prune\bslice\rtside
12856 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
12857 to\rtside{\box\bslice\hfil}}
12858 \setbox\aslice=\vsplit\holder to\baselineskip
12859 \prune\aslice\lftside
12860 \setbox\waslice=\vbox{\unvbox\waslice\hbox
12861 to\lftside{\box\aslice\hfil}}
12862 \else%

```



```

12863 \setbox\aslice=\vsplit\holder to\baselineskip
12864 \prune\aslice\lftside
12865 \setbox\waslice=\vbox{\unvbox\waslice\hbox
12866 to\lftside{\box\aslice\hfil}}
12867 \setbox\bslice=\vsplit\holder to\baselineskip
12868 \prune\bslice\rtside
12869 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
12870 to\rtside{\box\bslice\hfil}}
12871 \fi%
12872 \ifnum\nb>0\repeat
12873 \fi\fi
12874 %
12875 % only text on the left side
12876 %
12877 \ifnum\na>0
12878   \loop\advance\na -1
12879   \setbox\aslice=\vsplit\holder to\baselineskip
12880   \prune\aslice\lftside
12881   \setbox\waslice=\vbox{\unvbox\waslice\hbox
12882   to\lftside{\box\aslice\hfil}}
12883   \ifdim\ht\holder>0pt\repeat
12884 \fi
12885 %
12886 % only text on the right side
12887 %
12888 \ifnum\nb>0
12889   \loop\advance\nb -1
12890   \setbox\bslice=\vsplit\holder to\baselineskip
12891   \prune\bslice\rtside
12892   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
12893   to\rtside{\box\bslice\hfil}}
12894   \ifdim\ht\holder>0pt\repeat
12895 \fi
12896 %
12897 % fixing the dimensions of the window part
12898 %
12899 \ifnum\bl=0\topheight=\ht\wbslice
12900 \else\ifnum\br=0\topheight=\ht\waslice
12901   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
12902   \else\topheight=\ht\wbslice\fi\fi\fi
12903 %
12904 % ship out the window material to the main vertical list
12905 %
12906 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
12907 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
12908 \fi\fi\fi
12909 \setbox>windowbox=\vbox{\hbox to\linewidth{%
12910 \ifnum\bl>0\box\waslice\hfill\fi%
12911 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
12912 \vfill\unvbox\picbox}%

```



```

12913 \ifnum\picwd>0\vfill\fi%
12914 \vss}\ifnum\br>0\hfill\ vbox{\box\wbslice}\fi}}%
12915 \unvbox\windowbox%
12916 \loop
12917 \setbox\bslice=\vsplit\rawtext to\baselineskip
12918 \prune\bslice\linewidth
12919 \setbox\wbslice=\ vbox{\ hbox to\linewidth{\box\bslice\hfil}}
12920 \unvbox\wbslice
12921 \ifdim\ht\rawtext>0pt
12922 \repeat
12923 }% FINITO

```

7.89 plain-xetex-bidi.def

```

12924 \def\TeXeTOn{\TeXeTstate=1 }
12925 \def\TeXeTOff{\TeXeTstate=0 }
12926 \TeXeTOn
12927 \def\usebox#1{\leavevmode\copy #1\relax}
12928 \def\bidi@RTL@everypar{\if@RTL{\setbox\z@\lastbox\beginR\ifvoid\z@\else\usebox\z@\fi}\fi}
12929 \let\bidi@o@everypar=\everypar
12930 \newtoks\bidi@n@everypar
12931 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
12932 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
12933 \let\everypar=\bidi@n@everypar
12934 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
12935 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
12936 \protected\def\hboxR{\hbox\bgroup
12937 \everyhbox{%
12938 \aftergroup\egroup
12939 \everyhbox{}}%
12940 \beginR
12941 \bgroup
12942 \aftergroup\endR
12943 \aftergroup\egroup
12944 }\hbox}
12945 \protected\def\hboxL{\hbox\bgroup
12946 \everyhbox{%
12947 \aftergroup\egroup
12948 \everyhbox{}}%
12949 \beginL
12950 \bgroup
12951 \aftergroup\endL
12952 \aftergroup\egroup
12953 }\hbox}
12954 \protected\def\vboxR{\vbox\bgroup
12955 \everyvbox{%
12956 \aftergroup\egroup
12957 \everyvbox{}}%
12958 \@RTLtrue
12959 \bgroup

```



```

12960 \aftergroup\egroup
12961 }\vbox}
12962 \protected\def\vboxL{\vbox\bgroup
12963 \everyvbox{%
12964 \aftergroup\egroup
12965 \everyvbox{}}%
12966 \@RTLfalse
12967 \bgroup
12968 \aftergroup\egroup
12969 }\vbox}
12970 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
12971 \def\endLTR{\par}
12972 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
12973 \def\endRTL{\par}
12974 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
12975 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
12976 \let\unsetRTL=\setLTR
12977 \let\unsetLTR=\setRTL
12978 \let\LR=\LRE
12979 \let\RL=\RLE
12980 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
12981 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
12982 \let\@ensure@RL=\@ensure@RTL
12983 \let\@ensure@LR=\@ensure@LTR
12984 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
12985 \let\@ensure@maindir=\@ensure@dir
12986 \def\@RTL{RTL}
12987 \def\@LTR{LTR}
12988 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
12989 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
12990 \let\@TeX\TeX
12991 \def\TeX{\@ensure@LTR{\@TeX}}
12992 \long\def\ bidi@reflect@box#1{%
12993 \leavevmode
12994 \setbox\z@\hbox{{#1}}%
12995 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
12996 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
12997 }
12998 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
12999 \hbox{\kern-.125em\ bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
13000 \let\setRL=\setRTL
13001 \let\setLR=\setLTR
13002 \let\unsetRL=\setLTR
13003 \let\ bidi@sav@eqno=\eqno
13004 \let\ bidi@sav@leqno=\leqno
13005 \def\eqno{\ifnum\predisplaydirection<\z@ \ bidi@sav@leqno \else \ bidi@sav@eqno \fi}
13006 \def\leqno{\ifnum\predisplaydirection<\z@ \ bidi@sav@eqno \else \ bidi@sav@leqno \fi}
13007 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
13008 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
13009 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```



7.90 pstricks-xetex-bidi.def

```
13010 \ProvidesFile{pstricks-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for pstricks package for
13011 \let\origin@pspicture=\pspicture
13012 \let\origin@endpspicture=\endpspicture
13013 \def\pspicture{\ifmmode\else\LTR\beginL\fi\origin@pspicture}
13014 \def\endpspicture{\origin@endpspicture\ifmmode\else\endL\endLTR\fi}
```

7.91 quotchap-xetex-bidi.def

```
13015 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
13016 \renewcommand{\qauthor}[1]{%
13017   \par\smallskip
13018   {\ifRTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{\}\par}\bigskip}
13019 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
13020   {\size@chapter{\sectfont\ifRTL\raggedright\else\raggedleft\fi
13021     {\chapnumfont
13022       \ifnum \c@secnumdepth >\m@ne%
13023       \if@mainmatter\thechapter%
13024       \fi\fi
13025       \par\nobreak}%
13026     {\ifRTL\raggedright\else\raggedleft\fi\advance\ifRTL\rightmargin\else\leftmargin\fi10em
13027     \nobreak\chapterheadendvskip}}
13028 \renewcommand*{\@iprintcites}{%
13029   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
13030   \global\let\@printcites\relax}
```

7.92 ragged2e-xetex-bidi.def

```
13031 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
13032 \renewcommand{\Centering}{%
13033   \ifx\\ \@raggedtwoe@savedcr
13034     \let\\ \@centercr
13035   \fi
13036   \let\@gnewline\@raggedtwoe@gnewline
13037   \ifRTL\rightright\else\leftskip\fi\CenteringLeftskip
13038   \@rightskip\CenteringRightskip
13039   \ifRTL\leftskip\else\rightright\fi\@rightskip
13040   \parfillskip\CenteringParfillskip
13041   \parindent\CenteringParindent
13042   \@raggedtwoe@spaceskiptrue
13043   \@raggedtwoe@everyselectfont
13044 }
13045 \renewcommand{\RaggedLeft}{%
13046   \ifx\\ \@raggedtwoe@savedcr
13047     \let\\ \@centercr
13048   \fi
13049   \let\@gnewline\@raggedtwoe@gnewline
13050   \ifRTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
13051   \@rightskip\RaggedLeftRightskip
13052   \ifRTL\leftskip\else\rightright\fi\@rightskip
13053   \parfillskip\RaggedLeftParfillskip}
```



```

13054 \parindent\RaggedLeftParindent
13055 \@raggedtwo@spaceskiptrue
13056 \@raggedtwo@everyselectfont
13057 }
13058 \renewcommand{\RaggedRight}{%
13059 \ifx\\ \@raggedtwo@savedcr
13060 \let\\ @centercr
13061 \fi
13062 \let\@gnewline\@raggedtwo@gnewline
13063 \ifRTL\rightright\else\leftskip\fi\RaggedRightLeftskip
13064 \@rightskip\RaggedRightRightskip
13065 \ifRTL\leftskip\else\rightright\fi\@rightskip
13066 \parfillskip\RaggedRightParfillskip
13067 \parindent\RaggedRightParindent
13068 \@raggedtwo@spaceskiptrue
13069 \@raggedtwo@everyselectfont
13070 }
13071 \renewcommand{\justifying}{%
13072 \let\\ \@raggedtwo@savedcr
13073 \let\@gnewline\@raggedtwo@saved@gnewline
13074 \ifRTL\rightright\else\leftskip\fi\z@
13075 \@rightskip\z@
13076 \ifRTL\leftskip\else\rightright\fi\@rightskip
13077 \parfillskip\JustifyingParfillskip
13078 \parindent\JustifyingParindent
13079 \@raggedtwo@spaceskipfalse
13080 \@raggedtwo@everyselectfont
13081 }
13082 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{
13083 \CheckCommand*{\@arrayparboxrestore}{%
13084 \let\if@nbreak\iffalse
13085 \let\if@noskipsec\iffalse
13086 \let\par\@@par
13087 \let\-\@dischph
13088 \let'\@acci\let'\@accii\let\=\@acciii
13089 \parindent\z@ \parskip\z@skip
13090 \everypar{}%
13091 \linewidth\hsize
13092 \@totalleftmargin\z@
13093 \ifRTL\rightright\else\leftskip\fi\z@skip \ifRTL\leftskip\else\rightright\fi\z@skip \@right
13094 \parfillskip\@flushglue \lineskip\normallineskip
13095 \baselineskip\normalbaselineskip
13096 \sloppy}%
13097 \renewcommand{\@arrayparboxrestore}{%
13098 \let\if@nbreak\iffalse
13099 \let\if@noskipsec\iffalse
13100 \let\par\@@par
13101 \let\-\@dischph
13102 \let'\@acci\let'\@accii\let\=\@acciii
13103 \parskip\z@skip

```



```

13104 \everypar{}%
13105 \linewidth\hsize
13106 \@totalleftmargin\z@
13107 \RaggedRight
13108 \lineskip\normallineskip
13109 \baselineskip\normalbaselineskip
13110 \sloppy}%
13111 \let\@raggedtwoe@raggedrightboxes@opt\relax
13112 }
13113 \let\origin@RaggedLeft=\RaggedLeft
13114 \let\origin@RaggedRight=\RaggedRight
13115 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
13116 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.93 rapport1-xetex-bidi.def

```

13117 \ProvidesFile{rapport1-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for rapport1 class for X
13118 \renewenvironment{theindex}{%
13119 \if@twocolumn
13120 \@restonecolfalse
13121 \else
13122 \@restonecoltrue
13123 \fi
13124 \columnseprule \z@
13125 \columnsep 35\p@
13126 \twocolumn[\@makeschapterhead{\indexname}]%
13127 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
13128 \thispagestyle{plain}\parindent\z@
13129 \parskip\z@ \@plus .3\p@\relax
13130 \let\item\@idxitem
13131 }{%
13132 \if@restonecol\onecolumn\else\clearpage\fi}
13133 \renewcommand*\head@style{%
13134 \interlinepenalty \@M
13135 \hyphenpenalty=\@M \exhyphenpenalty=\@M
13136 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
13137 \if@titlepage
13138 \renewenvironment{abstract}{%
13139 \titlepage
13140 \null\vfil
13141 \section*{\SectFont\abstractname}%
13142 \noindent\ignorespaces}
13143 {\par\vfil\null\endtitlepage}
13144 \else
13145 \renewenvironment{abstract}{%
13146 \if@twocolumn
13147 \section*{\abstractname}%
13148 \else
13149 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
13150 \section*{\small\SectFont\abstractname}%

```




```

13151         \noindent\ignorespaces
13152     \fi}
13153     {\if@twocolumn\else\par\egroup\fi}
13154 \fi
13155 \renewcommand*\@regtocline[3]{%
13156     \ifnum #1>\c@tocdepth
13157     \else
13158         \vskip\z@ \@plus.2\p@
13159         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
13160         \if@RTL\rightskip\else\leftskip\fi\unitindent
13161         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
13162         \parfillskip\z@
13163         \@tempdima\unitindent
13164         \parindent\z@
13165         \leavevmode
13166         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
13167         \hskip 1em \nobreak{\slshape #3}\par
13168     }%
13169 \fi}
13170 \if@oldtoc
13171 \renewcommand*\l@part[2]{%
13172     \ifnum \c@tocdepth >-2\relax
13173         \addpenalty{-\@highpenalty}%
13174         \addvspace{2.25em \@plus\p@}%
13175         \begingroup
13176             \setlength\@tempdima{3em}%
13177             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13178             \parfillskip -\@pnumwidth
13179             {\leavevmode
13180                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13181                 \nobreak
13182                 \global\@nobreaktrue
13183                 \everypar{\global\@nobreakfalse\everypar{}}%
13184             \endgroup
13185         \fi}
13186 \else
13187     \renewcommand*\l@part{%
13188         \ifnum \c@tocdepth >-2\relax
13189             \addpenalty{-\@highpenalty}%
13190             \addvspace{2.25em \@plus \p@}%
13191             \@regtocline{0}%
13192         \fi}
13193 \fi
13194 \if@oldtoc
13195 \renewcommand*\l@chapter[2]{%
13196     \addpenalty{-\@highpenalty}%
13197     \vskip 1.0em \@plus\p@
13198     \setlength\@tempdima{1.5em}%
13199     \begingroup
13200     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

13201 \parfillskip -\@pnumwidth
13202 \leavevmode \bfseries
13203 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13204 \hskip -\if@RTL\rightskip\else\leftskip\fi
13205 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13206 \penalty\@highpenalty
13207 \endgroup}
13208 \else
13209 \renewcommand*\l@chapter{\@regtocline{0}}
13210 \fi
13211 \renewcommand*\left@footnoterule{%
13212 \kern-3\p@
13213 \kern.5\baselineskip
13214 \hrule\@width\unitindent
13215 \kern.4\baselineskip
13216 }
13217 \renewcommand*\right@footnoterule{%
13218 \hbox to \columnwidth
13219 {\beginR \vbox{%
13220 \kern-3\p@
13221 \kern.5\baselineskip
13222 \hrule\@width\unitindent
13223 \kern.4\baselineskip}\hfil\endR}
13224 }
13225 \renewenvironment{thebibliography}[1]
13226 {\chapter*\bibname}%
13227 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
13228 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13229 \list{\@biblabel{\@arabic\c@enumiv}}%
13230 {\settowidth\labelwidth{\@biblabel{#1}}%
13231 \leftmargin\labelwidth
13232 \advance\leftmargin\labelsep
13233 \@openbib@code
13234 \usecounter{enumiv}%
13235 \let\p@enumiv\@empty
13236 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
13237 \sloppy\clubpenalty4000\widowpenalty4000%
13238 \sfcode`. \m}
13239 {\def\@noitemerr
13240 {\@latex@warning{Empty `thebibliography' environment}}%
13241 \endlist}
13242 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
13243 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
13244 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
13245 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
13246 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
13247 \renewcommand*\theequation{%
13248 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
13249 \renewcommand*\thefigure{%
13250 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}

```



```

13251 \renewcommand*\thetable{%
13252   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
13253 \if@titlepage
13254 \renewcommand*\TitleFont{\rmfamily}
13255 \renewcommand*\maketitle{%
13256   \begin{titlepage}%
13257     \let\footnotesize\small
13258     \let\right@footnoterule\relax
13259     \let\left@footnoterule\relax
13260     \let\textwidth\footnoterule\relax
13261     \let \footnote \thanks
13262     \long\def\@makefnmark##1{\parindent\z@
13263       \def\labelitemi{\textendash}\@revlabeltrue
13264       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
13265     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13266     \if@compatibility\setcounter{page}{0}\fi
13267     \null\vfil
13268     \vskip 60\p@
13269     \begin{center}%
13270       \TitleFont
13271       {\LARGE \def\\{\penalty -\@M}
13272         \if@allcaps
13273           \expandafter\uc@nothanks\@title\thanks\relax
13274         \else
13275           \@title
13276         \fi\par}%
13277     \vskip 3em%
13278     {\large
13279       \lineskip .75em \parindent\z@
13280       \begin{tabular}[t]{c}%
13281         \if@allcaps
13282           \expandafter\uc@author\@author\and\relax
13283         \else
13284           \@author
13285         \fi
13286       \end{tabular}\par}%
13287     \vskip 1.5em%
13288     {\large
13289       \if@allcaps
13290         \uppercase\expandafter{\@date}%
13291       \else
13292         \@date
13293       \fi\par}%
13294     \end{center}\par
13295     \@thanks
13296     \vfil\null
13297   \end{titlepage}%
13298   \setcounter{footnote}{0}%
13299   \global\let\thanks\relax
13300   \global\let\maketitle\relax

```



```

13301 \global\let\@thanks\@empty
13302 \global\let\@author\@empty
13303 \global\let\@title\@empty
13304 \global\let\@date\@empty
13305 \global\let\title\relax
13306 \global\let\author\relax
13307 \global\let\date\relax
13308 \global\let\and\relax
13309 }
13310 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
13311 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
13312 \futurelet\@tempa\uc@ax}
13313 \def\uc@ax{%
13314 \ifx\@tempa\relax
13315 \else
13316 \\\andname \\\expandafter\uc@authornothanks
13317 \fi}
13318 \def\uc@tx{\ifx\@tempa\relax
13319 \else \expandafter\uc@ty \fi}
13320 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
13321 \else
13322 \renewcommand*\maketitle{\par
13323 \begingroup
13324 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13325 \def\@makefnmark{\rlap{%
13326 \@textsuperscript{\normalfont\@thefnmark}}}%
13327 \long\def\@makefntext{\@xmakefntext{%
13328 \@textsuperscript{\normalfont\@thefnmark}}}%
13329 \if@twocolumn
13330 \ifnum \col@number=\@ne
13331 \@maketitle
13332 \else
13333 \twocolumn[\@maketitle]%
13334 \fi
13335 \else
13336 \newpage
13337 \global\@topnum\z@
13338 \@maketitle
13339 \fi
13340 \thispagestyle{plain}\@thanks
13341 \endgroup
13342 \setcounter{footnote}{0}%
13343 \global\let\thanks\relax
13344 \global\let\maketitle\relax
13345 \global\let\@maketitle\relax
13346 \global\let\@thanks\@empty
13347 \global\let\@author\@empty
13348 \global\let\@title\@empty
13349 \global\let\@date\@empty
13350 \global\let\title\relax

```



```

13351 \global\let\author\relax
13352 \global\let\date\relax
13353 \global\let\and\relax
13354 }
13355 \def\@maketitle{%
13356 \newpage
13357 \null
13358 \vskip 2em%
13359 \begin{center}%
13360 \let \footnote \thanks
13361 {\LARGE \TitleFont \@title \par}%
13362 \vskip 1.5em%
13363 {\large \TitleFont
13364 \lineskip .5em%
13365 \begin{tabular}[t]{c}%
13366 \@author
13367 \end{tabular}\par}%
13368 \vskip 1em%
13369 {\large \TitleFont \@date}%
13370 \end{center}%
13371 \par
13372 \vskip 1.5em}
13373 \fi

```

7.94 rapport3-xetex-bidi.def

```

13374 \ProvidesFile{rapport3-xetex-bidi.def}[2011/08/26 v0.4 bidi adaptations for rapport3 class for X
13375 \renewenvironment{theindex}{%
13376 \if@twocolumn
13377 \@restonecolfalse
13378 \else
13379 \@restonecoltrue
13380 \fi
13381 \columnseprule \z@
13382 \columnsep 35\p@
13383 \twocolumn[\@makeschapterhead{\indexname}]{%
13384 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
13385 \thispagestyle{plain}\parindent\z@
13386 \parskip\z@ \@plus .3\p@\relax
13387 \let\item\@idxitem
13388 }{%
13389 \if@restonecol\onecolumn\else\clearpage\fi}
13390 \if@titlepage
13391 \renewcommand*\TitleFont{\rmfamily}
13392 \renewcommand*\maketitle{%
13393 \begin{titlepage}%
13394 \let\footnotesize\small
13395 \let\right@footnoterule\relax
13396 \let\left@footnoterule\relax
13397 \let\textwidth\footnoterule\relax

```



```

13398 \let \footnote \thanks
13399 \let \LTRfootnote \LTRthanks
13400 \let \RTLfootnote \RTLthanks
13401 \long\def\@makefntext##1{\parindent\z@
13402     \def\labelitemi{\textendash}\@revlabeltrue
13403     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
13404 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13405 \if@compatibility\setcounter{page}{0}\fi
13406 \null\vfil
13407 \vskip 60\p@
13408 \begin{center}%
13409     \TitleFont
13410     {\LARGE \def\\{\penalty -\@M}
13411         \if@allcaps
13412             \expandafter\uc@nothanks\@title\thanks\relax
13413         \else
13414             \@title
13415         \fi\par}%
13416 \vskip 3em%
13417 {\large
13418     \lineskip .75em \parindent\z@
13419     \begin{tabular}[t]{c}%
13420         \if@allcaps
13421             \expandafter\uc@authornothanks\@author\and\relax
13422         \else
13423             \@author
13424         \fi
13425     \end{tabular}\par}%
13426 \vskip 1.5em%
13427 {\large
13428     \if@allcaps
13429         \uppercase\expandafter{\@date}%
13430     \else
13431         \@date
13432     \fi\par}%
13433 \end{center}\par
13434 \@thanks
13435 \vfil\null
13436 \end{titlepage}%
13437 \setcounter{footnote}{0}%
13438 \global\let\thanks\relax
13439 \global\let\LTRthanks\relax
13440 \global\let\RTLthanks\relax
13441 \global\let\maketitle\relax
13442 \global\let\@thanks\@empty
13443 \global\let\@author\@empty
13444 \global\let\@title\@empty
13445 \global\let\@date\@empty
13446 \global\let\title\relax
13447 \global\let\author\relax

```



```

13448 \global\let\date\relax
13449 \global\let\and\relax
13450 }
13451 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
13452 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
13453 \futurelet\@tempa\uc@ax}
13454 \def\uc@ax{%
13455 \ifx\@tempa\relax
13456 \else
13457 \\\andname \\\expandafter\uc@authornothanks
13458 \fi}
13459 \def\uc@tx{\ifx\@tempa\relax
13460 \else \expandafter\uc@ty \fi}
13461 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
13462 \else
13463 \renewcommand*\maketitle{\par
13464 \begingroup
13465 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13466 \def\@makefnmark{\rlap{%
13467 \@textsuperscript{\normalfont\@thefnmark}}}%
13468 \long\def\@makefntext{\@xmakefntext{%
13469 \@textsuperscript{\normalfont\@thefnmark}}}%
13470 \iftwocolumn
13471 \ifnum \col@number=\@ne
13472 \@maketitle
13473 \else
13474 \twocolumn[\@maketitle]%
13475 \fi
13476 \else
13477 \newpage
13478 \global\@topnum\z@
13479 \@maketitle
13480 \fi
13481 \thispagestyle{plain}\@thanks
13482 \endgroup
13483 \setcounter{footnote}{0}%
13484 \global\let\thanks\relax
13485 \global\let\LTRthanks\relax
13486 \global\let\RTLthanks\relax
13487 \global\let\maketitle\relax
13488 \global\let\@maketitle\relax
13489 \global\let\@thanks\@empty
13490 \global\let\@author\@empty
13491 \global\let\@title\@empty
13492 \global\let\@date\@empty
13493 \global\let\title\relax
13494 \global\let\author\relax
13495 \global\let\date\relax
13496 \global\let\and\relax
13497 }

```



```

13498 \def\@maketitle{%
13499   \newpage
13500   \null
13501   \vskip 2em%
13502   \if@titlecentered
13503     \begin{center}%
13504       \let \footnote \thanks
13505       \let \LTRfootnote \LTRthanks
13506       \let \RTLfootnote \RTLthanks
13507       {\LARGE \TitleFont \@title \par}%
13508       \vskip 1.5em%
13509       {\large \TitleFont
13510         \lineskip .5em%
13511         \begin{tabular}[t]{c}%
13512           \@author
13513         \end{tabular}\par}%
13514       \vskip 1em%
13515       {\large \TitleFont \@date}%
13516     \end{center}%
13517   \else
13518     {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
13519     {\large \TitleFont \lineskip .5em \tabcolsep\z@
13520       \def\and{%% \begin{tabular} has already started
13521         \end{tabular}\hskip 1em plus .17fil
13522         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
13523         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
13524       \vskip 1em {\large \TitleFont \@date}
13525     \fi
13526     \par
13527     \vskip 1.5em}
13528 \fi
13529 \renewcommand*\@regtocline[3]{%
13530   \ifnum #1>\c@tocdepth
13531   \else
13532     \vskip\z@\@plus.2\p@
13533     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
13534       \if@RTL\righskip\else\leftskip\fi\unitindent
13535       \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
13536       \parfillskip\z@
13537       \@tempdima\unitindent
13538       \parindent\z@
13539       \leavevmode
13540       \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
13541       \hskip 1em \nobreak{\slshape #3}\par
13542     }%
13543   \fi}
13544 \if@oldtoc
13545 \renewcommand*\l@part[2]{%
13546   \ifnum \c@tocdepth >-2\relax
13547     \addpenalty{-\@highpenalty}%

```




```

13548 \addvspace{2.25em \@plus\p@}%
13549 \beginngroup
13550 \setlength\@tempdima{3em}%
13551 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13552 \parfillskip -\@pnumwidth
13553 {\leavevmode
13554 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13555 \nobreak
13556 \global\@nobreaktrue
13557 \everypar{\global\@nobreakfalse\everypar{}}%
13558 \endgroup
13559 \fi}
13560 \else
13561 \renewcommand*\l@part{%
13562 \ifnum \c@tocdepth >-2\relax
13563 \addpenalty{-\@highpenalty}%
13564 \addvspace{2.25em \@plus \p@}%
13565 \@regtocline{0}%
13566 \fi}
13567 \fi
13568 \if@oldtoc
13569 \renewcommand*\l@chapter[2]{%
13570 \addpenalty{-\@highpenalty}%
13571 \vskip 1.0em \@plus\p@
13572 \setlength\@tempdima{1.5em}%
13573 \beginngroup
13574 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13575 \parfillskip -\@pnumwidth
13576 \leavevmode \bfseries
13577 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13578 \hskip -\if@RTL\rightskip\else\leftskip\fi
13579 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13580 \penalty\@highpenalty
13581 \endgroup}
13582 \else
13583 \renewcommand*\l@chapter{\@regtocline{0}}
13584 \fi
13585 \renewcommand*\head@style{%
13586 \interlinepenalty \@M
13587 \hyphenpenalty=\@M \exhyphenpenalty=\@M
13588 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
13589 \if@titlepage
13590 \renewenvironment{abstract}{%
13591 \titlepage
13592 \null\vfil
13593 \section*{\SectFont\abstractname}%
13594 \noindent\ignorespaces}
13595 {\par\vfil\null\endtitlepage}
13596 \else
13597 \renewenvironment{abstract}{%

```



```

13598     \if@twocolumn
13599         \section*{\abstractname}%
13600     \else
13601         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
13602         \section*{\small\SectFont\abstractname}%
13603         \noindent\ignorespaces
13604     \fi}
13605     {\if@twocolumn\else\par\egroup\fi}
13606 \fi
13607 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
13608 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
13609 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
13610 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
13611 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
13612 \renewcommand*\thefigure{%
13613     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
13614 \renewcommand*\thetable{%
13615     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
13616 \renewcommand*\theequation{%
13617     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
13618 \renewenvironment{thebibliography}[1]
13619     {\chapter*{\bibname}%
13620      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
13621      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13622      \list{\@biblabel{\@arabic\c@enumiv}}%
13623          {\settowidth\labelwidth{\@biblabel{#1}}%
13624           \leftmargin\labelwidth
13625           \advance\leftmargin\labelsep
13626           \@openbib@code
13627           \usecounter{enumiv}%
13628           \let\p@enumiv\@empty
13629           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
13630      \sloppy\clubpenalty4000\widowpenalty4000
13631      \sfcode`\.\@m}
13632      {\def\@noitemerr
13633       {\@latex@warning{Empty `thebibliography' environment}}}%
13634      \endlist}
13635 \renewcommand*\left@footnoterule{%
13636     \kern-3\p@
13637     \kern.5\baselineskip
13638     \hrule\@width\unitindent
13639     \kern.4\baselineskip
13640 }
13641 \renewcommand*\right@footnoterule{%
13642     \hbox to \columnwidth
13643     {\beginR \vbox{%
13644         \kern-3\p@
13645         \kern.5\baselineskip
13646         \hrule\@width\unitindent
13647         \kern.4\baselineskip}\hfil\endR}

```



```

13648 }
13649 \renewcommand*\head@style{%
13650     \interlinepenalty \@M
13651     \hyphenpenalty=\@M \exhyphenpenalty=\@M
13652     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

7.95 refrep-xetex-bidi.def

```

13653 \ProvidesFile{refrep-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for refrep class for XeTeX]
13654 \if@titlepage
13655 \renewcommand\maketitle{\begin{titlepage}%
13656 \let\footnotesize\small
13657 \let\right@footnoterule\relax
13658 \let\left@footnoterule\relax
13659 \let\textwidth\footnoterule\relax
13660 \let\footnote\thanks
13661 \let\LTRfootnote\LTRthanks
13662 \let\RTLfootnote\RTLthanks
13663 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13664 \def\@makefnmark%
13665     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13666 \long\def\@makefntext##1{%
13667     \setpar{\@par
13668         \tempdima = \hsize
13669         \advance\tempdima -1em
13670         \parshape \@ne 1em \tempdima}%
13671     \par\parindent 1em \noindent
13672     \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
13673 \null\vfil
13674 \vskip 60\p@
13675 \begin{center}%
13676     {\LARGE \@title \par}%
13677     \vskip 3em%
13678     {\large
13679         \lineskip .75em%
13680         \begin{tabular}[t]{c}%
13681             \@author
13682         \end{tabular}\par}%
13683     \vskip 1.5em%
13684     {\large \@date \par}% % Set date in \large size.
13685 \end{center}\par
13686 \@thanks
13687 \vfil\null
13688 \end{titlepage}%
13689 \setcounter{footnote}{0}%
13690 \global\let\thanks\relax
13691 \global\let\LTRthanks\relax
13692 \global\let\RTLthanks\relax
13693 \global\let\maketitle\relax
13694 \global\let\@thanks\@empty

```



```

13695 \global\let\@author\@empty
13696 \global\let\@date\@empty
13697 \global\let\@title\@empty
13698 \global\let\title\relax
13699 \global\let\author\relax
13700 \global\let\date\relax
13701 \global\let\and\relax
13702 }
13703 \else
13704 \renewcommand\maketitle{\par
13705 \begingroup
13706 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13707 \def\@makefnmark%
13708 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13709 \long\def\@makefntext#1{%
13710 \setpar{\@par
13711 \tempdima = \hsize
13712 \advance\tempdima -1em
13713 \parshape \cne 1em \tempdima}%
13714 \par\parindent 1em \noindent
13715 \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
13716 \if@twocolumn
13717 \ifnum \col@number=\cne
13718 \maketitle
13719 \else
13720 \twocolumn[\maketitle]%
13721 \fi
13722 \else
13723 \newpage
13724 \global\@topnum\z@ % Prevents figures from going at top of page.
13725 \maketitle
13726 \fi
13727 \thispagestyle{empty}\@thanks
13728 \endgroup
13729 \setcounter{footnote}{0}%
13730 \global\let\thanks\relax
13731 \global\let\LTRthanks\relax
13732 \global\let\RTLthanks\relax
13733 \global\let\maketitle\relax
13734 \global\let\@maketitle\relax
13735 \global\let\@thanks\@empty
13736 \global\let\@author\@empty
13737 \global\let\@date\@empty
13738 \global\let\@title\@empty
13739 \global\let\title\relax
13740 \global\let\author\relax
13741 \global\let\date\relax
13742 \global\let\and\relax
13743 }
13744 \def\@maketitle{%

```



```

13745 \newpage
13746 \null
13747 \longthickrule\vskip1.5em%
13748 \let \footnote \thanks
13749 \let \LTRfootnote \LTRthanks
13750 \let \RTLfootnote \RTLthanks
13751 {\secshape \parskip\z@ \parindent\z@
13752 \Large\bfseries \@title \par}%
13753 \vskip1.5em\longthickrule\vskip1.5em%
13754 {\normalsize
13755 \lineskip .5em%
13756 \begin{flushright}%
13757 {\slshape\@author\par}
13758 \vskip 1em%
13759 {\@date}%
13760 \end{flushright}\par}%
13761 \vskip 1.5em}
13762 \fi
13763 \renewcommand*\l@part[2]{%
13764 \ifnum \c@tocdepth >-2\relax
13765 \addpenalty{-\@highpenalty}%
13766 \addvspace{2.25em \@plus\p@}%
13767 \begingroup
13768 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13769 \parfillskip -\@pnumwidth
13770 {\leavevmode
13771 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
13772 \nobreak
13773 \global\@nobreaktrue
13774 \everypar{\global\@nobreakfalse\everypar{}}%
13775 \endgroup
13776 \fi}
13777 \renewcommand*\l@chapter[2]{%
13778 \ifnum \c@tocdepth >\m@ne
13779 \addpenalty{-\@highpenalty}%
13780 \vskip 1.0em \@plus\p@
13781 \setlength\@tempdima{1.5em}%
13782 \begingroup
13783 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13784 \parfillskip -\@pnumwidth
13785 \leavevmode \bfseries
13786 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13787 \hskip -\if@RTL\rightskip\else\leftskip\fi
13788 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13789 \penalty\@highpenalty
13790 \endgroup
13791 \fi}
13792 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
13793 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
13794 \hyphenpenalty=2000}

```



```

13795 \renewcommand\left@footnoterule{%
13796   \kern-3\p@
13797   \hrule\@width.4\columnwidth
13798   \kern 2.6\p@}
13799 \renewcommand\right@footnoterule{%
13800   \hbox to \columnwidth
13801   {\beginR \vbox{%
13802     \kern-3\p@
13803     \hrule\@width.4\columnwidth
13804     \kern 2.6\p@}\hfil\endR}}
13805 \renewcommand\theequation
13806 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13807 \renewcommand\thefigure
13808 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
13809 \renewcommand\thetable%
13810 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
13811 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
13812 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
13813 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
13814 \renewcommand\theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
13815 \renewcommand\thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
13816 \renewenvironment{thebibliography}[1]
13817 {\chapter*{\bibname
13818   \mkboth{\bibname}{\bibname}}%
13819 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13820 \list{\@biblabel{\@arabic\c@enumiv}}%
13821 {\settowidth\labelwidth{\@biblabel{#1}}%
13822 \leftmargin\labelwidth
13823 \advance\leftmargin\labelsep
13824 \@openbib@code
13825 \usecounter{enumiv}%
13826 \let\p@enumiv\@empty
13827 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
13828 \sloppy
13829 \clubpenalty4000
13830 \@clubpenalty \clubpenalty
13831 \widowpenalty4000%
13832 \sfcode`\.=\@m}
13833 {\def\@noitemerr
13834 {\@latex@warning{Empty `thebibliography' environment}}}%
13835 \endlist}

```

7.96 report-xetex-bidi.def

```

13836 \ProvidesFile{report-xetex-bidi.def}[2011/08/26 v0.6 bidi adaptations for standard report class]
13837 \renewenvironment{theindex}
13838 {\if@twocolumn
13839   \@restonecolfalse
13840   \else
13841     \@restonecoltrue

```



```

13842         \fi
13843         \columnseprule \z@
13844         \columnsep 35\p@
13845         \twocolumn[\@makeschapterhead{\indexname}]%
13846         \@mkboth{\MakeUppercase\indexname}%
13847             {\MakeUppercase\indexname}%
13848         \thispagestyle{plain}\parindent\z@
13849         \parskip\z@ \@plus .3\p@\relax
13850         \let\item\@idxitem}
13851     {\if@restonecol\onecolumn\else\clearpage\fi}
13852 \if@titlepage
13853 \renewcommand\maketitle{\begin{titlepage}%
13854 \let\footnotesize\small
13855 \let\right@footnoterule\relax
13856 \let\left@footnoterule\relax
13857 \let\textwidth\footnoterule\relax
13858 \let \footnote \thanks
13859 \let \LTRfootnote \LTRthanks
13860 \let \RTLfootnote \RTLthanks
13861 \null\vfil
13862 \vskip 60\p@
13863 \begin{center}%
13864     {\LARGE \@title \par}%
13865     \vskip 3em%
13866     {\large
13867       \lineskip .75em%
13868       \begin{tabular}[t]{c}%
13869         \@author
13870       \end{tabular}\par}%
13871       \vskip 1.5em%
13872       {\large \@date \par}%           % Set date in \large size.
13873 \end{center}\par
13874 \@thanks
13875 \vfil\null
13876 \end{titlepage}%
13877 \setcounter{footnote}{0}%
13878 \global\let\thanks\relax
13879 \global\let\LTRthanks\relax
13880 \global\let\RTLthanks\relax
13881 \global\let\maketitle\relax
13882 \global\let\@thanks\@empty
13883 \global\let\@author\@empty
13884 \global\let\@date\@empty
13885 \global\let\@title\@empty
13886 \global\let\title\relax
13887 \global\let\author\relax
13888 \global\let\date\relax
13889 \global\let\and\relax
13890 }
13891 \else

```



```

13892 \renewcommand\maketitle{\par
13893   \begingroup
13894     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13895     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13896     \long\def\@makefntext##1{\parindent 1em\noindent
13897       \hb@xt@1.8em{%
13898         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
13899     \if@twocolumn
13900       \ifnum \col@number=\@ne
13901         \@maketitle
13902       \else
13903         \twocolumn[\@maketitle]%
13904       \fi
13905     \else
13906       \newpage
13907       \global\@topnum\z@    % Prevents figures from going at top of page.
13908       \@maketitle
13909     \fi
13910     \thispagestyle{plain}\@thanks
13911   \endgroup
13912   \setcounter{footnote}{0}%
13913   \global\let\thanks\relax
13914   \global\let\LTRthanks\relax
13915   \global\let\RTLthanks\relax
13916   \global\let\maketitle\relax
13917   \global\let\@maketitle\relax
13918   \global\let\@thanks\@empty
13919   \global\let\@author\@empty
13920   \global\let\@date\@empty
13921   \global\let\@title\@empty
13922   \global\let\title\relax
13923   \global\let\author\relax
13924   \global\let\date\relax
13925   \global\let\and\relax
13926 }
13927 \def\@maketitle{%
13928   \newpage
13929   \null
13930   \vskip 2em%
13931   \begin{center}%
13932     \let \footnote \thanks
13933     \let \LTRfootnote \LTRthanks
13934     \let \RTLfootnote \RTLthanks
13935     {\LARGE \@title \par}%
13936     \vskip 1.5em%
13937     {\large
13938       \lineskip .5em%
13939       \begin{tabular}[t]{c}%
13940         \@author
13941       \end{tabular}\par}%

```




```

13942 \vskip 1em%
13943 {\large \@date}%
13944 \end{center}%
13945 \par
13946 \vskip 1.5em}
13947 \fi
13948 \renewcommand*\l@part[2]{%
13949 \ifnum \c@tocdepth >-2\relax
13950 \addpenalty{-\@highpenalty}%
13951 \addvspace{2.25em \@plus\p@}%
13952 \setlength\@tempdima{3em}%
13953 \begingroup
13954 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13955 \parfillskip -\@pnumwidth
13956 {\leavevmode
13957 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13958 \nobreak
13959 \global\@nobreaktrue
13960 \everypar{\global\@nobreakfalse\everypar{}}%
13961 \endgroup
13962 \fi}
13963 \renewcommand*\l@chapter[2]{%
13964 \ifnum \c@tocdepth >\m@ne
13965 \addpenalty{-\@highpenalty}%
13966 \vskip 1.0em \@plus\p@
13967 \setlength\@tempdima{1.5em}%
13968 \begingroup
13969 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13970 \parfillskip -\@pnumwidth
13971 \leavevmode \bfseries
13972 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13973 \hskip -\if@RTL\rightskip\else\leftskip\fi
13974 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13975 \penalty\@highpenalty
13976 \endgroup
13977 \fi}
13978 \renewcommand\left@footnoterule{%
13979 \kern-3\p@
13980 \hrule\@width.4\columnwidth
13981 \kern2.6\p@}
13982 \renewcommand\right@footnoterule{%
13983 \hbox to \columnwidth
13984 {\beginR \vbox{%
13985 \kern-3\p@
13986 \hrule\@width.4\columnwidth
13987 \kern2.6\p@}\hfil\endR}}
13988 \renewcommand\theequation
13989 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13990 \renewcommand\thefigure
13991 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}

```



```

13992 \renewcommand \thetable
13993     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
13994 \renewcommand \thechapter {\@arabic\c@chapter}
13995 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
13996 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
13997 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
13998 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
13999 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
14000 \def\@makechapterhead#1{%
14001     \vspace*{50\p@}%
14002     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
14003         \ifnum \c@secnumdepth >\m@ne
14004             \huge\bfseries \@chapapp\space \thechapter
14005             \par\nobreak
14006             \vskip 20\p@
14007         \fi
14008         \interlinepenalty\@M
14009         \Huge \bfseries #1\par\nobreak
14010         \vskip 40\p@
14011     }}
14012 \def\@makeschapterhead#1{%
14013     \vspace*{50\p@}%
14014     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
14015         \normalfont
14016         \interlinepenalty\@M
14017         \Huge \bfseries #1\par\nobreak
14018         \vskip 40\p@
14019     }}
14020 \renewenvironment{thebibliography}[1]
14021     {\chapter*{\bibname}%
14022         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14023         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14024         \list{\@biblabel{\@arabic\c@enumiv}}%
14025             {\settowidth\labelwidth{\@biblabel{#1}}%
14026                 \leftmargin\labelwidth
14027                 \advance\leftmargin\labelsep
14028                 \@openbib@code
14029                 \usecounter{enumiv}%
14030                 \let\p@enumiv\@empty
14031                 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
14032         \sloppy
14033         \clubpenalty4000
14034         \@clubpenalty \clubpenalty
14035         \widowpenalty4000%
14036         \sfcode`. \@m}
14037 {\def\@noitemerr
14038     {\@latex@warning{Empty `thebibliography' environment}}%
14039     \endlist}

```



7.97 rotating-xetex-bidi.def

```

14040 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
14041 \def\end@rotfloat{%
14042   \end{minipage}\end{lrbox}%
14043   \stepcounter{r@tfl@t}%
14044   \rot@label{RF\ther@tfl@t}%
14045   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
14046   \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
14047   \rot@mess@toks\expandafter{\@tempa}
14048   \wd\rot@float@box\z@
14049   \ht\rot@float@box\z@
14050   \dp\rot@float@box\z@
14051   \vboxL to \textheight{%
14052     \setkeys{Grot}{units=360}%
14053     \if@rot@twoside
14054       \else
14055         \let\R@@page\rot@LR
14056       \fi
14057       \ifthenelse{\isodd{\R@@page}}{%
14058         \if@rot@twoside
14059           \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
14060         \fi
14061         \vfill
14062         \@@line{%
14063           \hskip\rotFPtop
14064           \rotatebox{90}{\box\rot@float@box}%
14065           \hskip\rotFPbot
14066         }%
14067       }{%
14068         \if@rot@twoside
14069           \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
14070         \fi
14071         \@@line{%
14072           \hskip\rotFPbot
14073           \rotatebox{-90}{\box\rot@float@box}%
14074           \hskip\rotFPtop
14075         }%
14076         \vfill
14077       }%
14078       \rot@message{\the\rot@mess@toks}
14079     }%
14080   \end@float
14081 }
14082 \let\endsidewaysfigure\end@rotfloat
14083 \let\endsidewaysstable\end@rotfloat
14084 \def\end@rotdblfloat{%
14085   \end{minipage}\end{lrbox}%
14086   \stepcounter{r@tfl@t}%
14087   \rot@label{RF\ther@tfl@t}%

```



```

14088 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
14089 \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
14090 \rot@mess@toks\expandafter{\@tempa}
14091 \@tempdima\ht\rot@float@box
14092 \advance\@tempdima by \dp\rot@float@box
14093 \wd\rot@float@box\z@
14094 \ht\rot@float@box\z@
14095 \dp\rot@float@box\z@
14096 \vboxL to \textheight{%
14097   \setkeys{Grot}{units=360}%
14098   \if@rot@twoside
14099   \else
14100     \let\R@@page\rot@LR
14101   \fi
14102   \ifthenelse{\isodd{\R@@page}}{%
14103     \ifrot@messages
14104     \if@rot@twoside
14105     \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
14106 \fi
14107   \fi
14108   \vfill
14109   \@@line{%
14110     \hskip\rotFPtop
14111     \rotatebox{90}{\box\rot@float@box}%
14112     \hskip\rotFPbot
14113   }%
14114   }{%
14115     \ifrot@messages
14116     \if@rot@twoside
14117     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
14118 \fi
14119   \fi%
14120   \@@line{%
14121     \hskip\rotFPbot
14122     \rotatebox{-90}{\box\rot@float@box}%
14123     \hskip\rotFPtop
14124   }%
14125   \vfill
14126   }%
14127   \rot@message{\the\rot@mess@toks}%
14128   }%
14129 \end@dblfloat
14130 }
14131 \def\turn#1{%
14132   \Grot@setangle{#1}%
14133   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
14134 \def\endturn{%
14135   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
14136   \unskip\color@endbox
14137   \Grot@x\z@

```



```

14138 \Grot@y\z@
14139 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14140 }
14141 \def\rotate#1{%
14142 \Grot@setangle{#1}%
14143 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
14144 \def\endrotate{%
14145 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
14146 \unskip\color@endbox
14147 \Grot@x\z@
14148 \Grot@y\z@
14149 \wd0\z@\dp0\z@\ht0\z@
14150 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14151 }
14152 \def\turnbox#1#2{%
14153 \Grot@setangle{#1}%
14154 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
14155 \Grot@x\z@\Grot@y\z@
14156 \wd0\z@\dp0\z@\ht0\z@
14157 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14158 }
14159 \def\sideways{%
14160 \Grot@setangle{90}%
14161 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
14162 \def\endsideways{%
14163 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
14164 \unskip\color@endbox
14165 \Grot@x\z@
14166 \Grot@y\z@
14167 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14168 }

```

7.98 scrartcl-xetex-bidi.def

```

14169 \ProvidesFile{scrartcl-xetex-bidi.def}[2015/07/04 v0.7 bidi adaptations for scrartcl class for Xe
14170 \newcommand{\scr@saved@LTRfootnotetext}{}
14171 \newcommand{\scr@saved@RTLfootnotetext}{}
14172 \let\scr@saved@footnotetext\@footnotetext
14173 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
14174 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
14175 \renewcommand{\@footnotetext}[1]{%
14176 \scr@saved@footnotetext{#1}%
14177 \csname FN@mfp@prepare\endcsname
14178 }
14179 \renewcommand{\@LTRfootnotetext}[1]{%
14180 \scr@saved@LTRfootnotetext{#1}%
14181 \csname FN@mfp@prepare\endcsname
14182 }
14183 \renewcommand{\@RTLfootnotetext}[1]{%
14184 \scr@saved@RTLfootnotetext{#1}%

```



```

14185 \csname FN@mfp@prepare\endcsname
14186 }
14187 \renewcommand\deffootnote[4] [] {%
14188 \long\def\@makefnmark##1{%
14189 \setlength{\@tempdimc}{#3}%
14190 \def\@tempa{#1}\ifx\@tempa\@empty
14191 \setpar{\@par
14192 \@tempdima = \hsize
14193 \addtolength{\@tempdima}{-#2}%
14194 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
14195 \else
14196 \addtolength{\@tempdimc}{#2}%
14197 \addtolength{\@tempdimc}{-#1}%
14198 \setpar{\@par
14199 \@tempdima = \hsize
14200 \addtolength{\@tempdima}{-#1}%
14201 \@tempdimb = \hsize
14202 \addtolength{\@tempdimb}{-#2}%
14203 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
14204 }%
14205 \fi
14206 \par
14207 \parindent\@tempdimc\noindent
14208 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
14209 }%
14210 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
14211 }
14212 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
14213 \renewcommand*\left@footnoterule{%
14214 \normalsize\ftn@rule@test@values
14215 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
14216 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14217 {\usekomafont{footnoterule}{%
14218 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14219 \kern 2.6\p@}
14220 \renewcommand*\right@footnoterule{%
14221 \hbox to \columnwidth
14222 {\beginR \vbox{\kern -3\p@
14223 \normalsize\ftn@rule@test@values
14224 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
14225 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14226 {\usekomafont{footnoterule}{%
14227 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14228 \kern 2.6\p@}\hfil\endR}}
14229 \renewcommand*\maketitle[1] [1] {%
14230 \if@titlepage
14231 \begin{titlepage}
14232 \setcounter{page}{%
14233 #1%
14234 }%

```



```

14235 \let\footnotesize\small
14236 \let\right@footnoterule\relax
14237 \let\left@footnoterule\relax
14238 \let\textwidth@footnoterule\relax
14239 \let\footnote\thanks
14240 \let\LTRfootnote\LTRthanks
14241 \let\RTLfootnote\RTLthanks
14242 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14243 \let\@oldmakefnmark\@makefnmark
14244 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
14245 \ifx\@extratitle\@empty \else
14246 \noindent\@extratitle\next@tpage\cleardoubleemptypage
14247 \thispagestyle{empty}%
14248 \fi
14249 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14250 \ifx\@titlehead\@empty \else
14251 \begin{minipage}[t]{\textwidth}%
14252 \@titlehead
14253 \end{minipage}\par
14254 \fi
14255 \null\vfill
14256 \begin{center}
14257 \ifx\@subject\@empty \else
14258 {\subject@font \@subject \par}%
14259 \vskip 3em
14260 \fi
14261 {\titlefont\huge \@title\par}%
14262 \vskip 1em
14263 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14264 \vskip 2em
14265 {\Large \lineskip 0.75em
14266 \begin{tabular}[t]{c}
14267 \@author
14268 \end{tabular}}\par
14269 }%
14270 \vskip 1.5em
14271 {\Large \@date \par}%
14272 \vskip \z@ \@plus3fill
14273 {\Large \@publishers \par}%
14274 \vskip 3em
14275 \end{center}\par
14276 \@thanks
14277 \vfill\null
14278 \if@twoside\next@tpage
14279 \begin{minipage}[t]{\textwidth}
14280 \@uppertitleback
14281 \end{minipage}\par
14282 \vfill
14283 \begin{minipage}[b]{\textwidth}
14284 \@lowertitleback

```



```

14285         \end{minipage}
14286     \fi
14287     \ifx\@dedication\@empty \else
14288         \next@tpage\null\vfill
14289         {\centering \Large \@dedication \par}%
14290         \vskip \z@ \@plus3fill
14291         \if@twoside \next@tpage\cleardoubleemptypage \fi
14292     \fi
14293 \end{titlepage}
14294 \else
14295     \par
14296     \@tempcnta=%
14297     #1%
14298     \relax\ifnum\@tempcnta=1\else
14299         \ClassWarning{KOMAClassName}{%
14300             Optional argument of \string\maketitle\space ignored
14301             at\MessageBreak
14302             notitlepage-mode%
14303         }%
14304     \fi
14305     \begingroup
14306         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14307         \let\@oldmakefnmark\@makefnmark
14308         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
14309         \if@twocolumn
14310             \ifnum \col@number=\@one
14311                 \@maketitle
14312             \else
14313                 \twocolumn[\@maketitle]%
14314             \fi
14315         \else
14316             \newpage
14317             \global\@topnum\z@
14318             \@maketitle
14319         \fi
14320         \thispagestyle{\titlepagestyle}\@thanks
14321     \endgroup
14322 \fi
14323 \setcounter{footnote}{0}%
14324 \let\thanks\relax
14325 \let\LTRthanks\relax
14326 \let\RTLthanks\relax
14327 \let\maketitle\relax
14328 \let\@maketitle\relax
14329 \global\let\@thanks\@empty
14330 \global\let\@author\@empty
14331 \global\let\@date\@empty
14332 \global\let\@title\@empty
14333 \global\let\@subtitle\@empty
14334 \global\let\@extratitle\@empty

```




```

14335 \global\let\@titlehead\@empty
14336 \global\let\@subject\@empty
14337 \global\let\@publishers\@empty
14338 \global\let\@uppertitleback\@empty
14339 \global\let\@lowertitleback\@empty
14340 \global\let\@dedication\@empty
14341 \global\let\author\relax
14342 \global\let\title\relax
14343 \global\let\extratitle\relax
14344 \global\let\titlehead\relax
14345 \global\let\subject\relax
14346 \global\let\publishers\relax
14347 \global\let\uppertitleback\relax
14348 \global\let\lowertitleback\relax
14349 \global\let\dedication\relax
14350 \global\let\date\relax
14351 \global\let\and\relax
14352 }%
14353 \renewcommand*{\@maketitle}{%
14354 \clearpage
14355 \let\footnote\thanks
14356 \let\LTRfootnote\LTRthanks
14357 \let\RTLfootnote\RTLthanks
14358 \ifx\@extratitle\@empty \else
14359 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
14360 \fi
14361 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
14362 \ifx\@titlehead\@empty \else
14363 \begin{minipage}[t]{\textwidth}
14364 \@titlehead
14365 \end{minipage}\par
14366 \fi
14367 \null
14368 \vskip 2em%
14369 \begin{center}%
14370 \ifx\@subject\@empty \else
14371 {\subject@font \@subject \par}
14372 \vskip 1.5em
14373 \fi
14374 {\titlefont\huge \@title \par}%
14375 \vskip .5em
14376 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14377 \vskip 1em
14378 {\Large
14379 \lineskip .5em%
14380 \begin{tabular}[t]{c}
14381 \@author
14382 \end{tabular}\par
14383 }%
14384 \vskip 1em%

```



```

14385     {\Large \@date \par}%
14386     \vskip \z@ \@plus 1em
14387     {\Large \@publishers \par}
14388     \ifx\@dedication\@empty \else
14389         \vskip 2em
14390         {\Large \@dedication \par}
14391     \fi
14392 \end{center}%
14393 \par
14394 \vskip 2em
14395 }%
14396 \renewcommand*\l@part[2]{%
14397     \ifnum \c@tocdepth >\m@ne\relax
14398         \addpenalty{\@secpenalty}%
14399         \addvspace{2.25em \@plus\p@}%
14400         \setlength{\@tempdima}{2em}%
14401         \if@tocleft
14402             \ifx\toc@l@number\@empty\else
14403                 \setlength{\@tempdima}{0\toc@l@number}%
14404             \fi
14405         \fi
14406         \begingroup
14407             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14408             \parfillskip -\@pnumwidth
14409             \leavevmode
14410             \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
14411             \hskip -\if@RTL\rightskip\else\leftskip\fi
14412             {\usekomafont{partentry}{#1\nobreak
14413                 \usekomafont{partentrypagenumber}{\hfil\nobreak
14414                     \hb@xt@\@pnumwidth{\hss#2}}}\par
14415             \ifnum \scr@compatibility>\@nameuse{scr@v02.96}\relax
14416             \endgroup
14417             \penalty20010
14418         \else
14419             \if@compatibility
14420                 \global\@nobreaktrue
14421                 \everypar{\global\@nobreakfalse\everypar{}}%
14422             \else
14423                 \penalty\@highpenalty
14424             \fi
14425         \endgroup
14426     \fi
14427 \fi
14428 }
14429 \renewcommand*\l@section[2]{%
14430     \ifnum \c@tocdepth >\z@
14431         \ifnum \lastpenalty<20009
14432             \addpenalty{\@secpenalty}%
14433         \fi
14434         \addvspace{1.0em \@plus\p@}%

```



```

14435 \setlength\@tempdima{1.5em}%
14436 \if@tocleft
14437 \ifx\toc@l@number\@empty\else
14438 \setlength\@tempdima{0\toc@l@number}%
14439 \fi
14440 \fi
14441 \beginngroup
14442 \raggedsectionentry
14443 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14444 \parfillskip -\@pnumwidth
14445 \interlinepenalty\@M
14446 \leavevmode
14447 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
14448 {\usekomafont{sectionentry}{#1\nobreak
14449 \usekomafont{sectionentrypagenumber}{\%
14450 \hfill\nobreak
14451 \hb@xt@\@pnumwidth{\hss#2}}}\par
14452 \endgroup
14453 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14454 \penalty20008
14455 \fi
14456 \fi
14457 }
14458 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
14459 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
14460 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
14461 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
14462 \renewcommand*{\thesubsubsection}{\%
14463 \thesubsection\@SepMark\@arabic\c@subsubsection
14464 }
14465 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14466 \renewcommand*{\thesubparagraph}{\%
14467 \theparagraph\@SepMark\@arabic\c@subparagraph
14468 }
14469 \renewenvironment{thebibliography}[1]{\%
14470 \if@bib@break@
14471 \bib@beginhook
14472 \else
14473 \bib@heading
14474 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
14475 \noindent\bibpreamble\par\nobreak
14476 \fi\fi
14477 \bib@beginhook
14478 \bib@before@hook
14479 \fi
14480 \renewcommand{\BreakBibliography}[1]{\%
14481 \@bib@break
14482 \end{thebibliography}%
14483 \beginngroup ##1\endgroup
14484 \begin{thebibliography}{#1}

```



```

14485 }%
14486 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
14487 \list{%
14488   \@biblabel{\@arabic\c@enumiv}%
14489 }{%
14490   \settowidth\labelwidth{\@biblabel{#1}}%
14491   \leftmargin\labelwidth
14492   \advance\leftmargin\labelsep
14493   \@openbib@code
14494   \if@bib@break@
14495     \edef\@tempa{%
14496       \noexpand\usecounter{enumiv}%
14497       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
14498     }\@tempa
14499     \no@bib@break
14500   \else
14501     \usecounter{enumiv}%
14502   \fi
14503   \let\p@enumiv\@empty
14504   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
14505 }%
14506 \sloppy\clubpenalty4000 \widowpenalty4000
14507 \sfcode`\.\=@m
14508 }{%
14509   \if@bib@break@
14510     \def\@noitemerr{%
14511       \@latex@warning{%
14512         \string\BreakBibliography\space at begin of `thebibliography'
14513         environment\MessageBreak
14514         or following \string\BreakBibliography}%
14515     }%
14516   \else
14517     \def\@noitemerr{%
14518       \@latex@warning{%
14519         Empty `thebibliography' environment or
14520         \string\BreakBibliography\MessageBreak
14521         before end of `thebibliography' environment}%
14522     }%
14523   \fi
14524   \endlist
14525   \if@bib@break@
14526   \else
14527     \bib@after@hook
14528     \let\bib@before@hook\@empty
14529     \let\bib@after@hook\@empty
14530   \fi
14531   \bib@endhook
14532 }
14533 \renewcommand*\left@footnoterule{%
14534   \kern-3\p@

```



```

14535 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14536 \hrule\@width.4\columnwidth
14537 \kern 2.6\p@}
14538 \renewcommand*\right@footnoterule{%
14539 \hbox to \columnwidth
14540 {\beginR \vbox{%
14541 \kern-3\p@
14542 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14543 \hrule\@width.4\columnwidth
14544 \kern 2.6\p@}\hfil\endR}}
14545 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
14546 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
14547 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
14548 \renewcommand\marginline[1]{%
14549 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
14550 }
14551 \renewcommand{\@makecaption}[3]{%
14552 \cap@margin
14553 \ifonelinecaptions
14554 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
14555 \let\scr@tmp@footnotetext=\@footnotetext
14556 \let\@footnotetext=\@gobble
14557 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
14558 \let\@LTRfootnotetext=\@gobble
14559 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
14560 \let\@RTLfootnotetext=\@gobble
14561 \sbox\@tempboxa{%
14562 {\capfont{\strut\ignorespaces
14563 #1{\caplabelfont{#2\captionformat}}}%
14564 #3\unskip\strut}}%
14565 }%
14566 \let\@footnotetext=\scr@tmp@footnotetext
14567 \let\scr@tmp@footnotetext=\undefined
14568 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
14569 \let\scr@tmp@LTRfootnotetext=\undefined
14570 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
14571 \let\scr@tmp@RTLfootnotetext=\undefined
14572 \setcounter{footnote}{\@tempcntb}%
14573 \setcounter{mpfootnote}{\@tempcnta}%
14574 \else
14575 \sbox\@tempboxa{\hspace*{2\cap@width}}%
14576 \fi
14577 \begingroup%
14578 \setlength{\@tempdima}{\cap@width}%
14579 \ifdim \wd\@tempboxa >\@tempdima
14580 \hb@xt@\hsize{%
14581 \setbox\@tempboxa\vbox{\hsize=\cap@width
14582 \ifdofullc@p
14583 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
14584 #1{\caplabelfont{#2\captionformat}}}}}%

```



```

14585         {\#3\unskip\strut\par}}}%
14586     \else%
14587         \ifdim\cap@indent<\z@
14588             {\capfont{\strut\ignorespaces
14589                 #1{\caplabelfont{\#2\captionformat\par}}}%
14590                 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}}%
14591         \else%
14592             \if@capbreak
14593                 {\capfont{\strut\ignorespaces
14594                     #1{\caplabelfont{\#2\captionformat\par}}}%
14595                     \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
14596             \else
14597                 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
14598                     {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
14599                     {\caplabelfont{\#2\captionformat}}}\#3\unskip\strut\par}}}%
14600                 \fi
14601             \fi
14602         \fi
14603     }%
14604     \setlength{\@tempdima}{\ht\@tempboxa}%
14605     \addtolength{\@tempdima}{\dp\@tempboxa}%
14606     \addtolength{\@tempdima}{-\ht\strutbox}%
14607     \ht\@tempboxa\ht\strutbox
14608     \dp\@tempboxa\@tempdima
14609     \strut\cap@left
14610     \box\@tempboxa
14611     \cap@right\strut
14612 }%
14613 \else
14614     \global \@minipagefalse
14615     \sbox\@tempboxa{%
14616         {\capfont{\scr@smashdp{\strut\ignorespaces
14617             #1{\caplabelfont{\#2\captionformat}}}%
14618             #3}}}%
14619     }%
14620     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}\fi
14621     \fi
14622 \endgroup
14623 }
14624 \renewcommand{\@makecaption}[2]{%
14625     \if@captionabove
14626         \vskip\belowcaptionskip
14627     \else
14628         \vskip\abovecaptionskip
14629     \fi
14630     \@@makecaption\@firstofone{#1}{#2}%
14631     \if@captionabove
14632         \vskip\abovecaptionskip
14633     \else
14634         \vskip\belowcaptionskip

```



```

14635 \fi
14636 }
14637 \bidi@AfterFile{longtable-xetex-bidi.def}{%
14638 \ifpackageloaded{caption2}{\@komalongtablefalse
14639 \scr@caption@before@longtable@warning{caption2}%
14640 }{}%
14641 \if@komalongtable
14642 \renewcommand{\LT@makecaption}[3]{%
14643 \noalign{%
14644 \if@captionabove
14645 \vskip\belowcaptionskip
14646 \else
14647 \vskip\abovecaptionskip
14648 \fi
14649 }%
14650 \LT@mcol\LT@cols c{%
14651 \hbox to\z@{\hss\parbox[t]{linewidth{%
14652 \@makecaption{#1}{#2}{#3}%
14653 \endgraf
14654 \if@captionabove
14655 \vskip\abovecaptionskip
14656 \else
14657 \vskip\belowcaptionskip
14658 \fi
14659 }%
14660 \hss
14661 }%
14662 }%
14663 }%
14664 \renewcommand*{\scr@LT@array}{}%
14665 \let\scr@LT@array=\LT@array
14666 \renewcommand*{\LT@array}{%
14667 \let\scr@caption=\LT@caption
14668 \def\captionabove{\noalign{\global\@captionabovetrue}%
14669 \scr@caption}%
14670 \def\captionbelow{\noalign{\global\@captionabovetrue}%
14671 \scr@caption}%
14672 \if@tablecaptionabove
14673 \let\LT@caption=\captionabove
14674 \else
14675 \let\LT@caption=\captionbelow
14676 \fi
14677 \scr@LT@array
14678 }%
14679 \ClassInfo{KOMAClassName}{%
14680 longtable captions redefined%
14681 }%
14682 \fi
14683 }

```



7.99 scrbook-xetex-bidi.def

```

14684 \ProvidesFile{scrbook-xetex-bidi.def}[2015/07/04 v0.7 bidi adaptations for scrbook class for XeT
14685 \newcommand{\scr@saved@LTRfootnotetext}{}
14686 \newcommand{\scr@saved@RTLfootnotetext}{}
14687 \let\scr@saved@footnotetext\@footnotetext
14688 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
14689 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
14690 \renewcommand{\@footnotetext}[1]{%
14691   \scr@saved@footnotetext{#1}%
14692   \csname FN@mf@prepare\endcsname
14693 }
14694 \renewcommand{\@LTRfootnotetext}[1]{%
14695   \scr@saved@LTRfootnotetext{#1}%
14696   \csname FN@mf@prepare\endcsname
14697 }
14698 \renewcommand{\@RTLfootnotetext}[1]{%
14699   \scr@saved@RTLfootnotetext{#1}%
14700   \csname FN@mf@prepare\endcsname
14701 }
14702 \renewcommand\deffootnote[4][1]{%
14703   \long\def\@makefnmark##1{%
14704     \setlength{\@tempdimc}{#3}%
14705     \def\@tempa{#1}\ifx\@tempa\@empty
14706       \setpar{\@par
14707         \@tempdima = \hsize
14708         \addtolength{\@tempdima}{-#2}%
14709         \if@RTL\parshape \@one Opt \@tempdima\else\parshape \@one #2 \@tempdima\fi}%
14710       \else
14711         \addtolength{\@tempdimc}{#2}%
14712         \addtolength{\@tempdimc}{-#1}%
14713         \setpar{\@par
14714           \@tempdima = \hsize
14715           \addtolength{\@tempdima}{-#1}%
14716           \@tempdimb = \hsize
14717           \addtolength{\@tempdimb}{-#2}%
14718           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
14719         }%
14720       \fi
14721       \par
14722       \parindent\@tempdimc\noindent
14723       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
14724     }%
14725   \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
14726 }
14727 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
14728 \renewcommand*\left@footnoterule{%
14729   \normalsize\ftn@rule@test@values
14730   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14731   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi

```




```

14732 {\usekomafont{footnoterule}{%
14733     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14734 \kern 2.6\p@}
14735 \renewcommand*\right@footnoterule{%
14736     \hbox to \columnwidth
14737     {\beginR \vbox{\kern -3\p@
14738         \normalsize\ftn@rule@test@values
14739         \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14740         \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14741         {\usekomafont{footnoterule}{%
14742             \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14743         \kern 2.6\p@}\hfil\endR}}
14744 \renewcommand*\maketitle[1][1]{%
14745     \if@titlepage
14746         \begin{titlepage}
14747             \setcounter{page}{%
14748                 #1%
14749             }%
14750             \let\footnotesize\small
14751             \let\right@footnoterule\relax
14752             \let\left@footnoterule\relax
14753             \let\textwidth@footnoterule\relax
14754             \let\footnote\thanks
14755             \let\LTRfootnote\LTRthanks
14756             \let\RTLfootnote\RTLthanks
14757             \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14758             \let\@oldmakefnmark\@makefnmark
14759             \renewcommand*\@makefnmark{\rlap{\@oldmakefnmark}}%
14760             \ifx\@extratitle\@empty \else
14761                 \noindent\@extratitle\next@tpage\cleardoubleemptypage
14762                 \thispagestyle{empty}%
14763             \fi
14764             \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14765             \ifx\@titlehead\@empty \else
14766                 \begin{minipage}[t]{\textwidth}%
14767                     \@titlehead
14768                 \end{minipage}\par
14769             \fi
14770             \null\vfill
14771             \begin{center}
14772                 \ifx\@subject\@empty \else
14773                     {\subject@font \@subject \par}%
14774                     \vskip 3em
14775                 \fi
14776                 {\titlefont\huge \@title\par}%
14777                 \vskip 1em
14778                 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14779                 \vskip 2em
14780                 {\Large \lineskip 0.75em
14781                 \begin{tabular}[t]{c}

```



```

14782         \@author
14783         \end{tabular}\par
14784     }%
14785     \vskip 1.5em
14786     {\Large \@date \par}%
14787     \vskip \z@ \@plus3fill
14788     {\Large \@publishers \par}%
14789     \vskip 3em
14790 \end{center}\par
14791 \@thanks
14792 \vfill\null
14793 \if@twoside\next@tpage
14794     \begin{minipage}[t]{\textwidth}
14795         \@uppertitleback
14796     \end{minipage}\par
14797     \vfill
14798     \begin{minipage}[b]{\textwidth}
14799         \@lowertitleback
14800     \end{minipage}
14801 \fi
14802 \ifx\@dedication\@empty \else
14803     \next@tpage\null\vfill
14804     {\centering \Large \@dedication \par}%
14805     \vskip \z@ \@plus3fill
14806     \if@twoside \next@tpage\cleardoubleemptypage \fi
14807 \fi
14808 \end{titlepage}
14809 \else
14810     \par
14811     \@tempcnta=%
14812     #1%
14813     \relax\ifnum\@tempcnta=1\else
14814         \ClassWarning{\KOMAClassName}{%
14815             Optional argument of \string\maketitle\space ignored
14816             at\MessageBreak
14817             notitlepage-mode%
14818         }%
14819     \fi
14820     \begingroup
14821         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14822         \let\@oldmakefnmark\@makefnmark
14823         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
14824         \if@twocolumn
14825             \ifnum \col@number=\@ne
14826                 \@maketitle
14827             \else
14828                 \twocolumn[\@maketitle]%
14829             \fi
14830         \else
14831             \newpage

```



```

14832         \global\@topnum\z@
14833         \@maketitle
14834     \fi
14835     \thispagestyle{\titlepagestyle}\@thanks
14836 \endgroup
14837 \fi
14838 \setcounter{footnote}{0}%
14839 \let\thanks\relax
14840 \let\LTRthanks\relax
14841 \let\RTLthanks\relax
14842 \let\maketitle\relax
14843 \let\@maketitle\relax
14844 \global\let\@thanks\@empty
14845 \global\let\@author\@empty
14846 \global\let\@date\@empty
14847 \global\let\@title\@empty
14848 \global\let\@subtitle\@empty
14849 \global\let\@extratitle\@empty
14850 \global\let\@titlehead\@empty
14851 \global\let\@subject\@empty
14852 \global\let\@publishers\@empty
14853 \global\let\@uppertitleback\@empty
14854 \global\let\@lowertitleback\@empty
14855 \global\let\@dedication\@empty
14856 \global\let\author\relax
14857 \global\let\title\relax
14858 \global\let\extratitle\relax
14859 \global\let\titlehead\relax
14860 \global\let\subject\relax
14861 \global\let\publishers\relax
14862 \global\let\uppertitleback\relax
14863 \global\let\lowertitleback\relax
14864 \global\let\dedication\relax
14865 \global\let\date\relax
14866 \global\let\and\relax
14867 }%
14868 \renewcommand*{\@maketitle}{%
14869     \clearpage
14870     \let\footnote\thanks
14871     \let\LTRfootnote\LTRthanks
14872     \let\RTLfootnote\RTLthanks
14873     \ifx\@extratitle\@empty \else
14874         \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
14875     \fi
14876     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14877     \ifx\@titlehead\@empty \else
14878         \begin{minipage}[t]{\textwidth}
14879             \@titlehead
14880         \end{minipage}\par
14881     \fi

```



```

14882 \null
14883 \vskip 2em%
14884 \begin{center}%
14885 \ifx\@subject\@empty \else
14886     {\subject@font \@subject \par}
14887     \vskip 1.5em
14888     \fi
14889     {\titlefont\huge \@title \par}%
14890     \vskip .5em
14891     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14892     \vskip 1em
14893     {\Large
14894         \lineskip .5em%
14895         \begin{tabular}[t]{c}
14896             \@author
14897         \end{tabular}\par
14898     }%
14899     \vskip 1em%
14900     {\Large \@date \par}%
14901     \vskip \z@ \@plus 1em
14902     {\Large \@publishers \par}
14903     \ifx\@dedication\@empty \else
14904         \vskip 2em
14905         {\Large \@dedication \par}
14906     \fi
14907 \end{center}%
14908 \par
14909 \vskip 2em
14910 }%
14911 \renewcommand*\l@part[2]{%
14912 \ifnum \c@tocdepth >-2\relax
14913     \addpenalty{-\@highpenalty}%
14914     \addvspace{2.25em \@plus\p@}%
14915     \setlength{\@tempdima}{2em}%
14916     \if@tocleft
14917         \ifx\toc@l@number\@empty\else
14918             \setlength\@tempdima{0\toc@l@number}%
14919         \fi
14920     \fi
14921     \begingroup
14922         \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14923         \parfillskip -\@pnumwidth
14924         \leavevmode
14925         \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14926         \hskip -\if@RTL\rightskip\else\leftskip\fi
14927         {\usekomafont{partentry}\#1\nobreak
14928             \usekomafont{partentrypagenumber}\hfil\nobreak
14929             \hb@xt@\@pnumwidth{\hss#2}}}\par
14930 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14931 \endgroup

```



```

14932     \penalty20010
14933     \else
14934         \penalty\@highpenalty
14935     \endgroup
14936 \fi
14937 \fi
14938 }\renewcommand*\l@part[2]{%
14939 \ifnum \c@tocdepth >-2\relax
14940     \addpenalty{-\@highpenalty}%
14941     \addvspace{2.25em \@plus\p@}%
14942     \setlength{\@tempdima}{2em}%
14943     \if@tocleft
14944         \ifx\toc@l@number\@empty\else
14945             \setlength{\@tempdima}{0\toc@l@number}%
14946         \fi
14947     \fi
14948     \begingroup
14949         \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14950         \parfillskip -\@pnumwidth
14951         \leavevmode
14952         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
14953         \hskip -\if@RTL\rightskip\else\leftskip\fi
14954         {\usekomafont{partentry}{#1\nobreak
14955             \usekomafont{partentrypagenumber}{\hfil\nobreak
14956                 \hb@xt@\@pnumwidth{\hss#2}}}\par
14957         \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14958         \endgroup
14959         \penalty20010
14960     \else
14961         \penalty\@highpenalty
14962     \endgroup
14963 \fi
14964 \fi
14965 }
14966 \renewcommand*\l@chapter[2]{%
14967 \ifnum \c@tocdepth >\m@ne
14968     \ifnum \lastpenalty<20010
14969         \addpenalty{-\@highpenalty}%
14970     \fi
14971     \vskip 1.0em \@plus\p@
14972     \setlength{\@tempdima}{1.5em}%
14973     \if@tocleft
14974         \ifx\toc@l@number\@empty\else
14975             \setlength{\@tempdima}{0\toc@l@number}%
14976         \fi
14977     \fi
14978     \begingroup
14979         \raggedchapterentry
14980     \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14981     \parfillskip -\@pnumwidth

```



```

14982 \interlinepenalty\@M
14983 \leavevmode
14984 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
14985 {\usekomafont{chapterentry}{#1\nobreak
14986 \usekomafont{chapterentrypagenumber}{%
14987 \hfill\nobreak
14988 \hb@xt@\@pnumwidth{\hss#2}}}\par
14989 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14990 \endgroup
14991 \penalty20009
14992 \else
14993 \penalty\@highpenalty
14994 \endgroup
14995 \fi
14996 \fi
14997 }
14998 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
14999 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15000 \renewcommand*\thesection{%
15001 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15002 \if@mainmatter\thechapter\@SepMark\fi
15003 \else
15004 \thechapter\@SepMark%
15005 \fi
15006 \@arabic\c@section
15007 }
15008 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
15009 \renewcommand*{\thesubsubsection}{%
15010 \thesubsection\@SepMark\@arabic\c@subsubsection
15011 }
15012 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15013 \renewcommand*{\thesubparagraph}{%
15014 \theparagraph\@SepMark\@arabic\c@subparagraph
15015 }
15016 \renewcommand*\thefigure{%
15017 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15018 \if@mainmatter\thechapter\@SepMark\fi
15019 \else
15020 \thechapter\@SepMark%
15021 \fi
15022 \@arabic\c@figure
15023 }
15024 \renewcommand*\thetable{%
15025 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15026 \if@mainmatter\thechapter\@SepMark\fi
15027 \else
15028 \thechapter\@SepMark%
15029 \fi
15030 \@arabic\c@table
15031 }

```



```

15032 \renewcommand*\theequation{%
15033   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15034     \if@mainmatter\thechapter\@SepMark\fi
15035   \else
15036     \thechapter\@SepMark%
15037   \fi
15038   \@arabic\c@equation
15039 }
15040 \renewenvironment{thebibliography}[1]{%
15041   \if@bib@break@
15042     \bib@beginhook
15043   \else
15044     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15045       \setchapterpreamble{\bibpreamble}%
15046     \fi\fi
15047     \bib@heading
15048     \bib@beginhook
15049     \bib@before@hook
15050   \fi
15051   \renewcommand{\BreakBibliography}[1]{%
15052     \@bib@break
15053     \end{thebibliography}%
15054     \begingroup ##1\endgroup
15055     \begin{thebibliography}{#1}
15056   }%
15057   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15058   \list{%
15059     \@biblabel{\@arabic\c@enumiv}%
15060   }{%
15061     \settowidth\labelwidth{\@biblabel{#1}}%
15062     \leftmargin\labelwidth
15063     \advance\leftmargin\labelsep
15064     \@openbib@code
15065     \if@bib@break@
15066       \edef\@tempa{%
15067         \noexpand\usecounter{enumiv}%
15068         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15069       }\@tempa
15070       \no@bib@break
15071     \else
15072       \usecounter{enumiv}%
15073     \fi
15074     \let\p@enumiv\@empty
15075     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15076   }%
15077   \sloppy\clubpenalty4000 \widowpenalty4000
15078   \sfcode`\.\=@m
15079 }{%
15080   \if@bib@break@
15081     \def\@noitemerr{%

```



```

15082     \@latex@warning{%
15083         \string\BreakBibliography\space at begin of `thebibliography'
15084     environment\MessageBreak
15085     or following \string\BreakBibliography}%
15086     }%
15087 \else
15088     \def\@noitemerr{%
15089         \@latex@warning{%
15090             Empty `thebibliography' environment or
15091             \string\BreakBibliography\MessageBreak
15092             before end of `thebibliography' environment}%
15093         }%
15094     \fi
15095 \endlist
15096 \if@bib@break@
15097 \else
15098     \bib@after@hook
15099     \let\bib@before@hook\@empty
15100     \let\bib@after@hook\@empty
15101 \fi
15102 \bib@endhook
15103 }
15104 \renewcommand*\left@footnoterule{%
15105     \kern-3\p@
15106     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15107     \hrule\@width.4\columnwidth
15108     \kern 2.6\p@}
15109 \renewcommand*\right@footnoterule{%
15110     \hbox to \columnwidth
15111     {\beginR \vbox{%
15112         \kern-3\p@
15113         \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15114         \hrule\@width.4\columnwidth
15115         \kern 2.6\p@}\hfil\endR}}
15116 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
15117 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15118 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15119 \renewcommand\marginline[1]{%
15120     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15121 }
15122 \renewcommand{\@makecaption}[3]{%
15123     \cap@margin
15124     \ifonelinecaptions
15125         \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15126         \let\scr@tmp@footnotetext=\@footnotetext
15127         \let\@footnotetext=\@gobble
15128         \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15129         \let\@LTRfootnotetext=\@gobble
15130         \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15131         \let\@RTLfootnotetext=\@gobble

```




```

15132 \sbox\@tempboxa{%
15133     {\capfont{\strut\ignorespaces
15134       #1{\caplabelfont{#2\captionformat}}}%
15135       #3\unskip\strut}}%
15136 }%
15137 \let\@footnotetext=\scr@tmp@footnotetext
15138 \let\scr@tmp@footnotetext=\undefined
15139 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15140 \let\scr@tmp@LTRfootnotetext=\undefined
15141 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15142 \let\scr@tmp@RTLfootnotetext=\undefined
15143 \setcounter{footnote}{\@tempcntb}%
15144 \setcounter{mpfootnote}{\@tempcnta}%
15145 \else
15146   \sbox\@tempboxa{\hspace*{2\cap@width}}%
15147 \fi
15148 \begingroup%
15149   \setlength{\@tempdima}{\cap@width}%
15150   \ifdim \wd\@tempboxa >\@tempdima
15151     \hb@xt@\hsize{%
15152       \setbox\@tempboxa\vbox{\hsize=\cap@width
15153         \ifdoofullc@p
15154           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15155             #1{\caplabelfont{#2\captionformat}}}%
15156             #3\unskip\strut\par}}}%
15157         \else%
15158           \ifdim\cap@indent<\z@
15159             {\capfont{\strut\ignorespaces
15160               #1{\caplabelfont{#2\captionformat\par}}}%
15161               \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
15162           \else%
15163             \if@capbreak
15164               {\capfont{\strut\ignorespaces
15165                 #1{\caplabelfont{#2\captionformat\par}}}%
15166                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
15167             \else
15168               {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
15169                 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15170                   {\caplabelfont{#2\captionformat}}}%
15171                   #3\unskip\strut\par}}}%
15172               \fi
15173             \fi
15174           }%
15175     \setlength{\@tempdima}{\ht\@tempboxa}%
15176     \addtolength{\@tempdima}{\dp\@tempboxa}%
15177     \addtolength{\@tempdima}{-\ht\strutbox}%
15178     \ht\@tempboxa\ht\strutbox
15179     \dp\@tempboxa\@tempdima
15180     \strut\cap@left
15181   \box\@tempboxa

```



```

15182         \cap@right\strut
15183     }%
15184     \else
15185         \global \@minipagefalse
15186         \sbox\@tempboxa{%
15187             {\capfont{\scr@smashdp{\strut\ignorespaces
15188                 #1{\caplabelfont{#2\captionformat}}}}}%
15189             #3}}%
15190     }%
15191     {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap
15192     \fi
15193 \endgroup
15194 }
15195 \renewcommand{\@makecaption}[2]{%
15196     \if@captionabove
15197         \vskip\belowcaptionskip
15198     \else
15199         \vskip\abovecaptionskip
15200     \fi
15201     \@makecaption\@firstofone{#1}{#2}%
15202     \if@captionabove
15203         \vskip\abovecaptionskip
15204     \else
15205         \vskip\belowcaptionskip
15206     \fi
15207 }
15208 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15209     \@ifpackageloaded{caption2}{\@komalongtablefalse
15210         \scr@caption@before@longtable@warning{caption2}%
15211     }{}%
15212     \if@komalongtable
15213         \renewcommand{\LT@makecaption}[3]{%
15214             \noalign{%
15215                 \if@captionabove
15216                     \vskip\belowcaptionskip
15217                 \else
15218                     \vskip\abovecaptionskip
15219                 \fi
15220             }%
15221             \LT@mcol\LT@cols c{%
15222                 \hbox to\z@{\hss\parbox[t]{linewidth{%
15223                     \@makecaption{#1}{#2}{#3}%
15224                     \endgraf
15225                     \if@captionabove
15226                         \vskip\abovecaptionskip
15227                     \else
15228                         \vskip\belowcaptionskip
15229                     \fi
15230                 }}%
15231             \hss

```



```

15232     }%
15233   }%
15234 }%
15235 \renewcommand*{\scr@LT@array}{}%
15236 \let\scr@LT@array=\LT@array
15237 \renewcommand*{\LT@array}{%
15238   \let\scr@caption=\LT@caption
15239   \def\captionabove{\noalign{\global\@captionabovetrue}%
15240     \scr@caption}%
15241   \def\captionbelow{\noalign{\global\@captionabovetrue}%
15242     \scr@caption}%
15243   \if@tablecaptionabove
15244     \let\LT@caption=\captionabove
15245   \else
15246     \let\LT@caption=\captionbelow
15247   \fi
15248   \scr@LT@array
15249 }%
15250 \ClassInfo{\KOMAClassName}{%
15251   longtable captions redefined%
15252 }%
15253 \fi
15254 }

```

7.100 scrlettr-xetex-bidi.def

```

15255 \ProvidesFile{scrlettr-xetex-bidi.def}[2011/09/24 v0.2 bidi adaptations for scrlettr class for X
15256 \renewcommand\deffootnote[4] [] {%
15257   \long\def\@makefnmark##1{%
15258     \edef\@tempa{#1}\ifx\@tempa\@empty
15259       \setpar{\@par
15260         \@tempdima = \hsize
15261         \addtolength{\@tempdima}{-#2}
15262         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15263     \else
15264       \setpar{\@par
15265         \@tempdima = \hsize
15266         \addtolength{\@tempdima}{-#1}
15267         \@tempdimb = \hsize
15268         \addtolength{\@tempdimb}{-#2}
15269         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15270       \fi
15271       \par
15272       \parindent #3\noindent
15273       \hbox to \z@{\hss\@makefnmark}##1}
15274   \def\@makefnmark{\hbox{#4}}
15275 }
15276 \deffootnote[1em]{1.5em}{1em}
15277 {\textsuperscript{\thefootnotemark}}
15278 \def\left@footnoterule{\kern-1\p@

```



```

15279 \hrule width 0.4\columnwidth
15280 \kern .6\p@}
15281 \def\right@footnoterule{%
15282 \hbox to \columnwidth
15283 {\beginR \vbox{\kern -3\p@
15284 \kern-1\p@
15285 \hrule width 0.4\columnwidth
15286 \kern .6\p@}\hfil\endR}}
15287 \def\@datefield{\@reffalse
15288 \ifx\varyourref\@empty \else \@reftrue \fi
15289 \ifx\varyourmail\@empty \else \@reftrue \fi
15290 \ifx\varmyref\@empty \else \@reftrue \fi
15291 \ifx\varcustomer\@empty \else \@reftrue \fi
15292 \ifx\varinvoice\@empty \else \@reftrue \fi
15293 \ifx\varrefitemi\@empty \else \@reftrue \fi
15294 \ifx\varrefitemii\@empty \else \@reftrue \fi
15295 \ifx\varrefitemiii\@empty \else \@reftrue \fi
15296 \vskip -\parskip
15297 \vskip \refvskip
15298 \if@ref
15299 \ifx\varyourref\@empty \else
15300 \settowidth{\sc@temp}{\varyourref}
15301 \setbox0\hbox{\scriptsize \sf \yourrefname}
15302 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15303 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
15304 \fi
15305 \ifx\varyourmail\@empty \else
15306 \settowidth{\sc@temp}{\varyourmail}
15307 \setbox0\hbox{\scriptsize \sf \yourmailname}
15308 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15309 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
15310 \fi
15311 \ifx\varmyref\@empty \else
15312 \settowidth{\sc@temp}{\varmyref}
15313 \setbox0\hbox{\scriptsize \sf \myrefname}
15314 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15315 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
15316 \fi
15317 \ifx\varcustomer\@empty \else
15318 \settowidth{\sc@temp}{\varcustomer}
15319 \setbox0\hbox{\scriptsize \sf \customername}
15320 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15321 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
15322 \fi
15323 \ifx\varinvoice\@empty \else
15324 \settowidth{\sc@temp}{\varinvoice}
15325 \setbox0\hbox{\scriptsize \sf \invoicename}
15326 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15327 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
15328 \fi

```



```

15329 \ifx\varrefitemi\@empty \else
15330 \settowidth{\sc@temp}{\varrefitemi}
15331 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
15332 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15333 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
15334 \fi
15335 \ifx\varrefitemii\@empty \else
15336 \settowidth{\sc@temp}{\varrefitemii}
15337 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
15338 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15339 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
15340 \fi
15341 \ifx\varrefitemiii\@empty \else
15342 \settowidth{\sc@temp}{\varrefitemiii}
15343 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
15344 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15345 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
15346 \fi
15347 \ifx\@date\@empty \else
15348 \settowidth{\sc@temp}{\@date}
15349 \setbox0\hbox{\scriptsize \sf \datename}
15350 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15351 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
15352 \fi
15353 \par
15354 \vspace{2.5\baselineskip}
15355 \else
15356 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
15357 \vspace{1.5\baselineskip}
15358 \fi}
15359 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
15360 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
15361 -\sigindent \hspace{\sigindent}%
15362 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@ski
15363 \fromsig\strut}\par
15364 \vspace{1.5\baselineskip}}

```

7.101 scrreprt-xetex-bidi.def

```

15365 \ProvidesFile{scrreprt-xetex-bidi.def}[2015/07/04 v0.7 bidi adaptations for scrreprt class for X
15366 \newcommand{\scr@saved@LTRfootnotetext}{}
15367 \newcommand{\scr@saved@RTLfootnotetext}{}
15368 \let\scr@saved@footnotetext\@footnotetext
15369 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15370 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15371 \renewcommand{\@footnotetext}[1]{%
15372 \scr@saved@footnotetext{#1}%
15373 \csname FN@mfb@prepare\endcsname
15374 }
15375 \renewcommand{\@LTRfootnotetext}[1]{%

```



```

15376 \scr@saved@LTRfootnotetext{#1}%
15377 \csname FN@mf@prepare\endcsname
15378 }
15379 \renewcommand{\@RTLfootnotetext}[1]{%
15380 \scr@saved@RTLfootnotetext{#1}%
15381 \csname FN@mf@prepare\endcsname
15382 }
15383 \renewcommand\deffootnote[4][1]{%
15384 \long\def\@makefnmark##1{%
15385 \setlength{\@tempdimc}{#3}%
15386 \def\@tempa{#1}\ifx\@tempa\@empty
15387 \setpar{\@par
15388 \@tempdima = \hsize
15389 \addtolength{\@tempdima}{-#2}%
15390 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15391 \else
15392 \addtolength{\@tempdimc}{#2}%
15393 \addtolength{\@tempdimc}{-#1}%
15394 \setpar{\@par
15395 \@tempdima = \hsize
15396 \addtolength{\@tempdima}{-#1}%
15397 \@tempdimb = \hsize
15398 \addtolength{\@tempdimb}{-#2}%
15399 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15400 }%
15401 \fi
15402 \par
15403 \parindent\@tempdimc\noindent
15404 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15405 }%
15406 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
15407 }
15408 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15409 \renewcommand*\left@footnoterule{%
15410 \normalsize\ftn@rule@test@values
15411 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15412 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15413 {\usekomafont{footnoterule}{%
15414 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15415 \kern 2.6\p@}
15416 \renewcommand*\right@footnoterule{%
15417 \hbox to \columnwidth
15418 {\beginR \vbox{\kern -3\p@
15419 \normalsize\ftn@rule@test@values
15420 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15421 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15422 {\usekomafont{footnoterule}{%
15423 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15424 \kern 2.6\p@}\hfil\endR}}
15425 \renewcommand*\maketitle[1][1]{%

```



```

15426 \if@titlepage
15427 \begin{titlepage}
15428 \setcounter{page}{%
15429 #1%
15430 }%
15431 \let\footnotesize\small
15432 \let\right@footnoterule\relax
15433 \let\left@footnoterule\relax
15434 \let\textwidth@footnoterule\relax
15435 \let\footnote\thanks
15436 \let\LTRfootnote\LTRthanks
15437 \let\RTLfootnote\RTLthanks
15438 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15439 \let\@oldmakefnmark\@makefnmark
15440 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15441 \ifx\@extratitle\@empty \else
15442 \noindent\@extratitle\next@tpage\cleardoubleemptypage
15443 \thispagestyle{empty}%
15444 \fi
15445 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15446 \ifx\@titlehead\@empty \else
15447 \begin{minipage}[t]{\textwidth}%
15448 \@titlehead
15449 \end{minipage}\par
15450 \fi
15451 \null\vfill
15452 \begin{center}
15453 \ifx\@subject\@empty \else
15454 {\subject@font \@subject \par}%
15455 \vskip 3em
15456 \fi
15457 {\titlefont\huge \@title\par}%
15458 \vskip 1em
15459 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15460 \vskip 2em
15461 {\Large \lineskip 0.75em
15462 \begin{tabular}[t]{c}
15463 \@author
15464 \end{tabular}\par
15465 }%
15466 \vskip 1.5em
15467 {\Large \@date \par}%
15468 \vskip \z@ \@plus3fill
15469 {\Large \@publishers \par}%
15470 \vskip 3em
15471 \end{center}\par
15472 \@thanks
15473 \vfill\null
15474 \if@twoside\next@tpage
15475 \begin{minipage}[t]{\textwidth}

```



```

15476         \@uppertitleback
15477     \end{minipage}\par
15478     \vfill
15479     \begin{minipage}[b]{\textwidth}
15480         \@lowertitleback
15481     \end{minipage}
15482 \fi
15483 \ifx\@dedication\@empty \else
15484     \next@tpage\null\vfill
15485     {\centering \Large \@dedication \par}%
15486     \vskip \z@ \@plus3fill
15487     \if@twoside \next@tpage\cleardoubleemptypage \fi
15488 \fi
15489 \end{titlepage}
15490 \else
15491     \par
15492     \@tempcnta=%
15493     #1%
15494     \relax\ifnum\@tempcnta=1\else
15495         \ClassWarning{KOMAClassName}{%
15496             Optional argument of \string\maketitle\space ignored
15497             at\MessageBreak
15498             notitlepage-mode%
15499         }%
15500     \fi
15501     \begingroup
15502         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15503         \let\@oldmakefnmark\@makefnmark
15504         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
15505         \if@twocolumn
15506             \ifnum \col@number=\@one
15507                 \@maketitle
15508             \else
15509                 \twocolumn[\@maketitle]%
15510             \fi
15511         \else
15512             \newpage
15513             \global\@topnum\z@
15514             \@maketitle
15515         \fi
15516         \thispagestyle{\titlepagestyle}\@thanks
15517     \endgroup
15518 \fi
15519 \setcounter{footnote}{0}%
15520 \let\thanks\relax
15521 \let\LTRthanks\relax
15522 \let\RTLthanks\relax
15523 \let\maketitle\relax
15524 \let\@maketitle\relax
15525 \global\let\@thanks\@empty

```




```

15526 \global\let\@author\@empty
15527 \global\let\@date\@empty
15528 \global\let\@title\@empty
15529 \global\let\@subtitle\@empty
15530 \global\let\@extratitle\@empty
15531 \global\let\@titlehead\@empty
15532 \global\let\@subject\@empty
15533 \global\let\@publishers\@empty
15534 \global\let\@uppertitleback\@empty
15535 \global\let\@lowertitleback\@empty
15536 \global\let\@dedication\@empty
15537 \global\let\author\relax
15538 \global\let\title\relax
15539 \global\let\extratitle\relax
15540 \global\let\titlehead\relax
15541 \global\let\subject\relax
15542 \global\let\publishers\relax
15543 \global\let\uppertitleback\relax
15544 \global\let\lowertitleback\relax
15545 \global\let\dedication\relax
15546 \global\let\date\relax
15547 \global\let\and\relax
15548 }%
15549 \renewcommand*{\@maketitle}{%
15550 \clearpage
15551 \let\footnote\thanks
15552 \let\LTRfootnote\LTRthanks
15553 \let\RTLfootnote\RTLthanks
15554 \ifx\@extratitle\@empty \else
15555 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15556 \fi
15557 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
15558 \ifx\@titlehead\@empty \else
15559 \begin{minipage}[t]{\textwidth}
15560 \@titlehead
15561 \end{minipage}\par
15562 \fi
15563 \null
15564 \vskip 2em%
15565 \begin{center}%
15566 \ifx\@subject\@empty \else
15567 {\subject@font \@subject \par}
15568 \vskip 1.5em
15569 \fi
15570 {\titlefont\huge \@title \par}%
15571 \vskip .5em
15572 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15573 \vskip 1em
15574 {\Large
15575 \lineskip .5em%

```



```

15576     \begin{tabular}[t]{c}
15577         \@author
15578     \end{tabular}\par
15579 }%
15580 \vskip 1em%
15581 {\Large \@date \par}%
15582 \vskip \z@ \@plus 1em
15583 {\Large \@publishers \par}
15584 \ifx\@dedication\@empty \else
15585     \vskip 2em
15586     {\Large \@dedication \par}
15587 \fi
15588 \end{center}%
15589 \par
15590 \vskip 2em
15591 }%
15592 \renewcommand*\l@part[2]{%
15593     \ifnum \c@tocdepth >-2\relax
15594         \addpenalty{-\@highpenalty}%
15595         \addvspace{2.25em \@plus\p@}%
15596         \setlength{\@tempdima}{2em}%
15597         \if@tocleft
15598             \ifx\toc@l@number\@empty\else
15599                 \setlength{\@tempdima}{0\toc@l@number}%
15600             \fi
15601         \fi
15602         \begingroup
15603             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15604             \parfillskip -\@pnumwidth
15605             \leavevmode
15606             \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15607             \hskip -\if@RTL\rightskip\else\leftskip\fi
15608             {\usekomafont{partentry}{#1\nobreak
15609                 \usekomafont{partentrypagenumber}{\hfil\nobreak
15610                     \hb@xt@\@pnumwidth{\hss#2}}}\par
15611             \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15612             \endgroup
15613             \penalty20010
15614             \else
15615                 \penalty\@highpenalty
15616             \endgroup
15617         \fi
15618     \fi
15619 }
15620 \renewcommand*\l@chapter[2]{%
15621     \ifnum \c@tocdepth >\m@ne
15622         \ifnum \lastpenalty<20010
15623             \addpenalty{-\@highpenalty}%
15624         \fi
15625         \vskip 1.0em \@plus\p@

```



```

15626 \setlength\@tempdima{1.5em}%
15627 \if@tocleft
15628 \ifx\toc@l@number\@empty\else
15629 \setlength\@tempdima{0\toc@l@number}%
15630 \fi
15631 \fi
15632 \begingroup
15633 \raggedchapterentry
15634 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15635 \parfillskip -\@pnumwidth
15636 \interlinepenalty\@M
15637 \leavevmode
15638 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
15639 {\usekomafont{chapterentry}{#1\nobreak
15640 \usekomafont{chapterentrypagenumber}{%
15641 \hfill\nobreak
15642 \hb@xt@\@pnumwidth{\hss#2}}}\par
15643 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15644 \endgroup
15645 \penalty20009
15646 \else
15647 \penalty\@highpenalty
15648 \endgroup
15649 \fi
15650 \fi
15651 }
15652 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15653 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15654 \renewcommand*\thesection{%
15655 \thechapter\@SepMark%
15656 \@arabic\c@section
15657 }
15658 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
15659 \renewcommand*{\thesubsubsection}{%
15660 \thesubsection\@SepMark\@arabic\c@subsubsection
15661 }
15662 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15663 \renewcommand*{\thesubparagraph}{%
15664 \theparagraph\@SepMark\@arabic\c@subparagraph
15665 }
15666 \renewcommand*\thefigure{%
15667 \thechapter\@SepMark%
15668 \@arabic\c@figure
15669 }
15670 \renewcommand*\thetable{%
15671 \thechapter\@SepMark%
15672 \@arabic\c@table
15673 }
15674 \renewcommand*\theequation{%
15675 \thechapter\@SepMark%

```



```

15676 \@arabic\c@equation
15677 }
15678 \renewenvironment{thebibliography}[1]{%
15679   \if@bib@break@
15680     \bib@beginhook
15681   \else
15682     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15683       \setchapterpreamble{\bibpreamble}%
15684     \fi\fi
15685     \bib@heading
15686     \bib@beginhook
15687     \bib@before@hook
15688   \fi
15689   \renewcommand{\BreakBibliography}[1]{%
15690     \@bib@break
15691     \end{thebibliography}%
15692     \begingroup ##1\endgroup
15693     \begin{thebibliography}{#1}
15694   }%
15695   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15696   \list{%
15697     \@biblabel{\@arabic\c@enumiv}%
15698   }{%
15699     \settowidth\labelwidth{\@biblabel{#1}}%
15700     \leftmargin\labelwidth
15701     \advance\leftmargin\labelsep
15702     \@openbib@code
15703     \if@bib@break@
15704       \edef\@tempa{%
15705         \noexpand\usecounter{enumiv}%
15706         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15707       }\@tempa
15708       \no@bib@break
15709     \else
15710       \usecounter{enumiv}%
15711     \fi
15712     \let\p@enumiv\@empty
15713     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15714   }%
15715   \sloppy\clubpenalty4000 \widowpenalty4000
15716   \sfcode`\.=\@m
15717 }{%
15718   \if@bib@break@
15719     \def\@noitemerr{%
15720       \@latex@warning{%
15721         \string\BreakBibliography\space at begin of `thebibliography'
15722         environment\MessageBreak
15723         or following \string\BreakBibliography}%
15724     }%
15725   \else

```



```

15726 \def\@noitemerr{%
15727 \latex@warning{%
15728 Empty `thebibliography' environment or
15729 \string\BreakBibliography\MessageBreak
15730 before end of `thebibliography' environment}}%
15731 }%
15732 \fi
15733 \endlist
15734 \if@bib@break@
15735 \else
15736 \bib@after@hook
15737 \let\bib@before@hook\@empty
15738 \let\bib@after@hook\@empty
15739 \fi
15740 \bib@endhook
15741 }
15742 \renewcommand*\left@footnoterule{%
15743 \kern-3\p@
15744 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15745 \hrule\@width.4\columnwidth
15746 \kern 2.6\p@}
15747 \renewcommand*\right@footnoterule{%
15748 \hbox to \columnwidth
15749 {\beginR \vbox{%
15750 \kern-3\p@
15751 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15752 \hrule\@width.4\columnwidth
15753 \kern 2.6\p@}\hfil\endR}}
15754 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
15755 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15756 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15757 \renewcommand\marginline[1]{%
15758 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}}
15759 }
15760 \renewcommand{\@makecaption}[3]{%
15761 \cap@margin
15762 \ifonelinecaptions
15763 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15764 \let\scr@tmp@footnotetext=\@footnotetext
15765 \let\@footnotetext=\@gobble
15766 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15767 \let\@LTRfootnotetext=\@gobble
15768 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15769 \let\@RTLfootnotetext=\@gobble
15770 \sbox\@tempboxa{%
15771 {\capfont{\strut\ignorespaces
15772 #1{\caplabelfont{#2\captionformat}}}%
15773 #3\unskip\strut}}%
15774 }%
15775 \let\@footnotetext=\scr@tmp@footnotetext

```



```

15776 \let\scr@tmp@footnotetext=\undefined
15777 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15778 \let\scr@tmp@LTRfootnotetext=\undefined
15779 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15780 \let\scr@tmp@RTLfootnotetext=\undefined
15781 \setcounter{footnote}{\@tempcntb}%
15782 \setcounter{mpfootnote}{\@tempcnta}%
15783 \else
15784 \sbox\@tempboxa{\hspace*{2\cap@width}}%
15785 \fi
15786 \begingroup%
15787 \setlength{\@tempdima}{\cap@width}%
15788 \ifdim \wd\@tempboxa >\@tempdima
15789 \hb@xt@\hsize{%
15790 \setbox\@tempboxa\vbox{\hsize=\cap@width
15791 \ifdofullc@p
15792 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15793 #1{\caplabelfont{#2\captionformat}}}}}%
15794 {\#3\unskip\strut\par}}}%
15795 \else%
15796 \ifdim\cap@indent<\z@
15797 {\capfont{\strut\ignorespaces
15798 #1{\caplabelfont{#2\captionformat\par}}}%
15799 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
15800 \else%
15801 \if@capbreak
15802 {\capfont{\strut\ignorespaces
15803 #1{\caplabelfont{#2\captionformat\par}}}%
15804 \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
15805 \else
15806 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
15807 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15808 {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
15809 \fi
15810 \fi
15811 \fi
15812 }%
15813 \setlength{\@tempdima}{\ht\@tempboxa}%
15814 \addtolength{\@tempdima}{\dp\@tempboxa}%
15815 \addtolength{\@tempdima}{-\ht\strutbox}%
15816 \ht\@tempboxa\ht\strutbox
15817 \dp\@tempboxa\@tempdima
15818 \strut\cap@left
15819 \box\@tempboxa
15820 \cap@right\strut
15821 }%
15822 \else
15823 \global \@minipagefalse
15824 \sbox\@tempboxa{%
15825 {\capfont{\scr@smashdp{\strut\ignorespaces

```



```

15826         #1{{\caplabelfont{#2\captionformat}}}%
15827         #3}}%
15828     }%
15829     {\capfont{\hb@xt@{\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
15830     \fi
15831     \endgroup
15832 }
15833 \renewcommand{\@makecaption}[2]{%
15834     \if@captionabove
15835         \vskip\belowcaptionskip
15836     \else
15837         \vskip\abovecaptionskip
15838     \fi
15839     \@makecaption\@firstofone{#1}{#2}%
15840     \if@captionabove
15841         \vskip\abovecaptionskip
15842     \else
15843         \vskip\belowcaptionskip
15844     \fi
15845 }
15846 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15847     \@ifpackageloaded{caption2}{\@komalongtablefalse
15848         \scr@caption@before@longtable@warning{caption2}%
15849     }{}%
15850     \if@komalongtable
15851         \renewcommand{\LT@makecaption}[3]{%
15852             \noalign{%
15853                 \if@captionabove
15854                     \vskip\belowcaptionskip
15855                 \else
15856                     \vskip\abovecaptionskip
15857                 \fi
15858             }%
15859             \LT@mcol\LT@cols c{%
15860                 \hbox to\z@{\hss\parbox[t]{\linewidth{%
15861                     \@makecaption{#1}{#2}{#3}%
15862                     \endgraf
15863                     \if@captionabove
15864                         \vskip\abovecaptionskip
15865                     \else
15866                         \vskip\belowcaptionskip
15867                     \fi
15868                 }}%
15869             \hss
15870         }%
15871     }%
15872 }%
15873 \renewcommand*{\scr@LT@array}{}%
15874 \let\scr@LT@array=\LT@array
15875 \renewcommand*{\LT@array}{%

```



```

15876 \let\scr@caption=\LT@caption
15877 \def\captionabove{\noalign{\global\@captionabovetrue}%
15878 \scr@caption}%
15879 \def\captionbelow{\noalign{\global\@captionabovefalse}%
15880 \scr@caption}%
15881 \if@tablecaptionabove
15882 \let\LT@caption=\captionabove
15883 \else
15884 \let\LT@caption=\captionbelow
15885 \fi
15886 \scr@LT@array
15887 }%
15888 \ClassInfo{\KOMAClassName}{%
15889 longtable captions redefined%
15890 }%
15891 \fi
15892 }

```

7.102 sidecap-xetex-bidi.def

```

15893 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for X
15894 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
15895 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
15896 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
15897 \renewcommand*\SC@justify@caption{\if@RTL%
15898 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
15899 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

7.103 stabular-xetex-bidi.def

```

15900 \ProvidesFile{stabular-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for stabular package for
15901 \def\@stabular{\if@RTL\@RTLtabtrue\fi
15902 \leavevmode \bgroup \if@RTLtab\beginR \fi
15903 \let\@acol\@tabacol
15904 \let\@classz\@tabclassz
15905 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
15906 \def\endstabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
15907 \egroup \if@RTLtab\endR\fi\egroup
15908 \@RTLtabfalse}
15909 \expandafter \let \csname endstabular*\endcsname = \endstabular
15910 \def\@sarray[#1]#2{%
15911 \bgroup
15912 \setbox\@arstrutbox\hbox{%
15913 \vrule \@height\arraystretch\ht\strutbox
15914 \@depth\arraystretch \dp\strutbox
15915 \@width\z@}%
15916 \mkpream{#2}%
15917 \edef\@preamble{%
15918 \ialign \noexpand\@halignto
15919 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
15920 \let\@startpbox\@startpbox \let\@endpbox\@endpbox

```




```

15921 \let\tabularnewline\\%
15922 \let\@sharp##%
15923 \set@typeset@protect
15924 \lineskip\z@skip\baselineskip\z@skip
15925 \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
15926 \@preamble}

```

7.104 subfigure-xetex-bidi.def

```

15927 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package f
15928 \AtBeginDocument{%
15929 \let\p@subfigure=\thefigure
15930 \let\p@subtable=\thetable%
15931 }

```

7.105 tabs-xetex-bidi.def

```

15932 \ProvidesFile{tabs-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for tabs package for XeTeX
15933 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
15934 \if@RTLtabfalse}
15935
15936 \expandafter\let\csname endtabular*\endcsname=\endtabular
15937
15938 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \\ given
15939 \else \\[\z@ \global\advance\@arstdepth-\@otarlinesep]%
15940 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
15941
15942 \def\@array[#1]#2{% remember global variables to allow recursion:
15943 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
15944 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
15945 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
15946 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
15947 \else \let\@tarlinesep\tablinesep \fi
15948 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
15949 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
15950 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
15951 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
15952 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
15953 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
15954 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
15955 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
15956 \let\protect\noexpand
15957 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
15958 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
15959 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
15960 \if#1t\top \else \if#1b\bottom \else \vcenter \fi\fi
15961 \bgroup \let\par\empty
15962 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
15963 \advance\extrarulesep.5\arrayrulewidth
15964 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
15965 \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi

```



```
15966 \@preamble}
```

7.106 tabularx-xetex-bidi.def

```
15967 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
15968 \def\TX@endtabularx{%
15969   \expandafter\expandafter\expandafter
15970     \TX@find@endtabularxa\csname end\TX@\endcsname
15971     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
15972   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
15973   \let\verb\TX@verb
15974   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
15975   \edef\TX@ckpt{\cl@ckpt}%
15976   \let\@elt\relax
15977   \TX@old@table\maxdimen
15978   \TX@col@width\TX@target
15979   \global\TX@cols\@ne
15980   \TX@typeout@
15981     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
15982   \TX@trial{\def\NC@rewriteX{%
15983     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
15984   \loop
15985     \TX@arith
15986     \ifTX@
15987       \TX@trial{}%
15988   \repeat
15989   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
15990   \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
15991   \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
15992     \csname tabular*\expandafter\endcsname\expandafter\TX@target
15993     \the\toks@
15994     \csname endtabular*\endcsname}%
15995   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
15996   \ifnum0=\fi}%
15997   \expandafter\expandafter\expandafter
15998     \TX@find@endtabularxbb
15999     \expandafter\end\expandafter{\TX@}%
16000   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
16001 }
16002
16003 \def\TX@trial#1{%
16004   \setbox\@tempboxa\hbox{%
16005     #1\relax
16006   \let\@footnotetext\TX@trial@ftn
16007   \let\@LTRfootnotetext\TX@trial@ftn
16008   \let\@RTLfootnotetext\TX@trial@ftn
16009   \let\TX@vwarn\@empty
16010   \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
16011   \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
16012   \def\write{\begingroup
```



```

16013 \def\let{\afterassignment\endgroup\toks@}%
16014 \afterassignment\let\count@}%
16015 \hbadness\@M
16016 \hfuzz\maxdimen
16017 \let\hbadness\@tempcnta
16018 \let\hfuzz\@tempdima
16019 \expandafter\tabular\the\toks@
16020 \endtabular}%
16021 \TX@ckpt
16022 \TX@typeout@{\@spaces
16023 \expandafter\TX@align
16024 \the\wd\@tempboxa\space\space\space\space\space\@@
16025 \expandafter\TX@align
16026 \the\TX@col@width\space\space\space\space\space\@@
16027 \@spaces\the\TX@cols}}
16028
16029 \long\def\TX@LTRftntext#1{%
16030 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
16031 [\the\csname c@\@mpfn\endcsname]}}%
16032 \global\TX@ftn\expandafter{\@tempa{#1}}}%
16033 \long\def\TX@xLTRftntext[#1]#2{%
16034 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
16035
16036 \long\def\TX@RTLftntext#1{%
16037 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
16038 [\the\csname c@\@mpfn\endcsname]}}%
16039 \global\TX@ftn\expandafter{\@tempa{#1}}}%
16040 \long\def\TX@xRTLftntext[#1]#2{%
16041 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

7.107 tabulary-xetex-bidi.def

```

16042 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for
16043 \def\@testpach{\@chclass
16044 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
16045 \ifnum \@lastchclass=7 5 \else
16046 \ifnum \@lastchclass=8 \tw@ \else
16047 \ifnum \@lastchclass=9 \thr@@
16048 \else \@z@
16049 \ifnum \@lastchclass = 10 \else
16050 \edef\@nextchar{\expandafter\string\@nextchar}%
16051 \@chnum
16052 \if \@nextchar c\z@ \else
16053 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
16054 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
16055 \if \@nextchar C7 \else
16056 \if \@nextchar L8 \else
16057 \if \@nextchar R9 \else
16058 \if \@nextchar J10 \else
16059 \@z@ \@chclass

```



```

16060 \if\@nextchar |\@ne \else
16061 \if \@nextchar !6 \else
16062 \if \@nextchar @7 \else
16063 \if \@nextchar <8 \else
16064 \if \@nextchar >9 \else
16065 10
16066 \@chnum
16067 \if \@nextchar m\thr@@\else
16068 \if \@nextchar p4 \else
16069 \if \@nextchar b5 \else
16070 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
16071 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

7.108 tc-xetex-bidi.def

```

16072 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
16073 \def\@cliptoboxdim#1{%
16074 \setbox#1=\hbox{%
16075 \Gin@defaultbp\WIDTH{\wd#1}%
16076 \Gin@defaultbp\DEPTH{\dp#1}%
16077 \@tempdima\ht#1%
16078 \advance\@tempdima\dp#1%
16079 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
16080 \beginL\special{pdf:bcontent }%
16081 \special{%
16082 pdf:literal direct
16083 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
16084 }%
16085 \special{pdf:literal direct W }%
16086 \special{pdf:literal direct n }%
16087 \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
16088 \special{pdf:econtent }\endL%
16089 }%
16090 }

```

7.109 tikz-xetex-bidi.def

```

16091 \ProvidesFile{tikz-xetex-bidi.def}[2014/11/20 v0.1 bidi adaptations for tikz package for XeTeX]
16092 \def\bidi@tikzpicture{%
16093 \begingroup%
16094 \tikz@startup@env%
16095 \pgfutil@ifnextchar[\bidi@tikz@picture{\bidi@tikz@picture[]}]%
16096 \def\bidi@tikz@picture[#1]{%
16097 \bidi@pgfpicture%
16098 \let\tikz@atbegin@picture=\pgfutil@empty%
16099 \let\tikz@atend@picture=\pgfutil@empty%
16100 \let\tikz@transform=\relax%
16101 \def\tikz@time{.5}%
16102 \tikz@installcommands%
16103 \scope[every picture,#1]%
16104 \iftikz@handle@active@code%

```



```

16105 \tikz@switchoff@shorthands%
16106 \fi%
16107 \expandafter\tikz@atbegin@picture%
16108 \tikz@lib@scope@check%
16109 }
16110 \def\endbidi@tikzpicture{%
16111 \tikz@atend@picture%
16112 \global\let\pgf@shift@baseline@smuggle=\pgf@baseline%
16113 \global\let\pgf@trimleft@final@smuggle=\pgf@trimleft%
16114 \global\let\pgf@trimright@final@smuggle=\pgf@trimright%
16115 \global\let\pgf@remember@smuggle=\ifpgfrememberpicturepositiononpage%
16116 \pgf@remember@layerlist@globally
16117 \endscope%
16118 \let\pgf@baseline=\pgf@shift@baseline@smuggle%
16119 \let\pgf@trimleft=\pgf@trimleft@final@smuggle%
16120 \let\pgf@trimright=\pgf@trimright@final@smuggle%
16121 \let\ifpgfrememberpicturepositiononpage=\pgf@remember@smuggle%
16122 \pgf@restore@layerlist@from@global
16123 \endbidi@pgfpicture\endgroup}

```

7.110 titlesec-xetex-bidi.def

```

16124 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for
16125 \renewcommand\filright{%
16126 \gdef\ttl@filleft##1{\hskip##1}%
16127 \gdef\ttl@filright##1{\hfill}%
16128 \let\\\@centercr
16129 \advance\rightskip\z@ \@plus 1fil
16130 \parfillskip\z@}
16131 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
16132 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
16133 \setlength\leftskip{#6}%
16134 \setlength\rightskip{#7}%
16135 \interlinepenalty\@M
16136 \ttl@change@centercr
16137 \ttl@begin@longest
16138 #1{\ifhmode\ttl@hmode@error\fi
16139 \ttl@glcmds
16140 \parindent\z@
16141 \leavevmode
16142 \begin@group
16143 \ifttl@label
16144 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
16145 \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
16146 \llap{\box\z@}%
16147 \fi
16148 #4{#8}%
16149 \kern\z@\strut\@par
16150 \endgroup
16151 \nobreak\ttl@midlongest#5\@par}%

```



```
16152 \ttl@endlongest}
```

7.111 titletoc-xetex-bidi.def

```
16153 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
16154 \renewcommand\filright{%
16155   \gdef\ttl@filleft##1{\hskip##1}%
16156   \gdef\ttl@filright##1{\hfill}%
16157   \let\\\@centercr
16158   \advance\rightskip\z@ \@plus 1fil
16159 \parfillskip\z@}
16160 \renewcommand\contentspush[1]{%
16161   \sbox\z@{#1}%
16162   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
16163   \aftergroup\ttl@b
16164   \leavevmode\llap{\box\z@}}
16165 \def\ttl@outnoblock#1#2#3{%
16166   \begingroup
16167   \ifnum\ttl@b>\ttl@a
16168     \nobreak
16169   \else\ifnum\ttl@b<\ttl@a
16170     \addpenalty{\@secpenalty}%
16171   \else
16172     \addpenalty{\z@}%
16173   \fi\fi
16174   \ttl@contentsstretch
16175   \nobreak
16176   \ifcase#1\relax\else\interlinepenalty\M\fi
16177   \parindent\z@
16178   \ifx\@nil#2%
16179     \PackageError{titletoc}{Unimplemented}%
16180     {The optional argument is currently mandatory}%
16181   \else
16182     \if@RTL\setlength\rightskip{#2}\else
16183     \setlength\leftskip{#2}\fi%
16184   \fi
16185   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
16186   \let\contentsmargin\ttl@margin
16187   \def\ttl@makeline##1{##1}%
16188   #3%
16189   \addtolength{\parfillskip}{-\ttl@corr}%
16190   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
16191   \let\ttl@leaders\leaders}
16192 \renewcommand\ttl@margin[2][\z@]{%
16193   \def\ttl@corr{#1}%
16194   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
16195   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
16196   \def\@pnumwidth{#2}}
16197 \let\ttl@savel@part\l@part
16198 \def\l@part{\ttl@lselect{part}}
```



```

16199
16200 \let\ttl@savel@chapter\l@chapter
16201 \def\l@chapter{\ttl@lselect{chapter}}

```

7.112 tocbibind-xetex-bidi.def

```

16202 \ProvidesFile{tocbibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocbibind package]
16203 \if@dotocbib
16204   \@ifpackageloaded{natbib}{\% natbib not loaded
16205     \renewcommand{\bibsection}{\t@cb@bchapsec}
16206     \renewenvironment{thebibliography}[1]{\%
16207       \bibsection
16208       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
16209   \renewenvironment{thebibitemlist}[1]{
16210     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16211     \list{\@biblabel{\@arabic{c@enumiv}}}%
16212       {\settowidth\labelwidth{\@biblabel{#1}}%
16213         \leftmargin\labelwidth
16214         \advance\leftmargin\labelsep
16215         \@openbib@code
16216         \usecounter{enumiv}%
16217         \let\p@enumiv\@empty
16218         \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
16219     \sloppy
16220     \clubpenalty4000
16221     \@clubpenalty \clubpenalty
16222     \widowpenalty4000%
16223     \sfcode`\.\@m}
16224   {\def\@noitemerr
16225     {\@latex@warning{Empty `thebibliography' environment}}}%
16226     \endlist}
16227
16228   \@ifpackagewith{chapterbib}{sectionbib}%
16229     {\renewcommand{\sectionbib}[2]{}}%
16230     {}
16231
16232 \fi
16233 \if@inltxdoc\else
16234   \renewenvironment{theindex}%
16235     {\if@twocolumn
16236       \@restonecolfalse
16237     \else
16238       \@restonecoltrue
16239     \fi
16240     \if@bibchapter
16241       \if@donumindex
16242         \refstepcounter{chapter}
16243         \twocolumn[\vspace*{2\topskip}%
16244           \@makechapterhead{\indexname}}%
16245       \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}

```



```

16246         \chaptermark{\indexname}
16247     \else
16248         \if@dotocind
16249             \twocolumn[\vspace*{2\topskip}%
16250                 \@makeschapterhead{\indexname}}%
16251             \prw@mkboth{\indexname}
16252             \addcontentsline{toc}{chapter}{\indexname}
16253         \else
16254             \twocolumn[\vspace*{2\topskip}%
16255                 \@makeschapterhead{\indexname}}%
16256             \prw@mkboth{\indexname}
16257         \fi
16258     \fi
16259 \else
16260     \if@donumindex
16261         \twocolumn[\vspace*{-1.5\topskip}%
16262             \@nameuse{\@tocextra}{\indexname}}%
16263         \csname \@tocextra mark\endcsname{\indexname}
16264     \else
16265         \if@dotocind
16266             \twocolumn[\vspace*{-1.5\topskip}%
16267                 \toc@headstar{\@tocextra}{\indexname}}%
16268             \prw@mkboth{\indexname}
16269             \addcontentsline{toc}{\@tocextra}{\indexname}
16270         \else
16271             \twocolumn[\vspace*{-1.5\topskip}%
16272                 \toc@headstar{\@tocextra}{\indexname}}%
16273             \prw@mkboth{\indexname}
16274         \fi
16275     \fi
16276 \fi
16277 \thispagestyle{plain}\parindent\z@
16278 \parskip\z@ \@plus .3\p@\relax
16279 \let\item\@idxitem}
16280 {\if@restonecol\onecolumn\else\clearpage\fi}
16281 \fi

```

7.113 tocloft-xetex-bidi.def

```

16282 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for X
16283 \let\cftdot\@SepMark
16284 \if@cfthaspart
16285 \renewcommand*{\l@part}[2]{
16286     \@cftdopartfalse
16287     \ifnum \c@tocdepth >-2\relax
16288         \if@cfthaschapter
16289             \@cftdoparttrue
16290         \fi
16291         \ifnum \c@tocdepth >\m@ne
16292             \if@cfthaschapter\else

```




```

16293         \@cftdoparttrue
16294     \fi
16295 \fi
16296 \fi
16297 \if@cftdopart
16298     \if@cfthaschapter
16299         \addpenalty{-\@highpenalty}
16300     \else
16301         \addpenalty\@secpenalty
16302     \fi
16303     \addvspace{\cftbeforepartskip}
16304     \begingroup
16305         {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
16306         \if@RTL\leftskip\else\righskip\fi \@tocrmarg
16307         \parfillskip -\if@RTL\leftskip\else\righskip\fi
16308         \parindent \cftpartindent\relax\@afterindenttrue
16309         \interlinepenalty\@M
16310         \leavevmode
16311         \@tempdima \cftpartnumwidth\relax
16312         \let\@cftbsnum \cftpartpresnum
16313         \let\@cftasnum \cftpartaftersnum
16314         \let\@cftasnumb \cftpartaftersnumb
16315         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
16316         {\cftpartfont \cftpartpresnum #1}
16317         \cftpartfillnum{#2}}
16318     \nobreak
16319     \if@cfthaschapter
16320         \global\@nobreaktrue
16321         \everypar{\global\@nobreakfalse\everypar{}}
16322     \else
16323         \if@compatibility
16324             \global\@nobreaktrue
16325             \everypar{\global\@nobreakfalse\everypar{}}
16326         \fi
16327     \fi
16328 \endgroup
16329 \fi}
16330 \fi
16331 \if@cfthaschapter
16332 \renewcommand*{\l@chapter}[2]{
16333     \ifnum \c@tocdepth >\m@ne
16334         \addpenalty{-\@highpenalty}
16335         \vskip \cftbeforechapskip
16336         {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
16337         \if@RTL\leftskip\else\righskip\fi \@tocrmarg
16338         \parfillskip -\if@RTL\leftskip\else\righskip\fi
16339         \parindent \cftchapindent\relax\@afterindenttrue
16340         \interlinepenalty\@M
16341         \leavevmode
16342         \@tempdima \cftchapnumwidth\relax

```



```

16343 \let\@cftbsnum \cftchappresnum
16344 \let\@cftasnum \cftchapaftersnum
16345 \let\@cftasnumb \cftchapaftersnumb
16346 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16347 {\cftchapfont #1}\nobreak
16348 \cftchapfillnum{#2}}
16349 \fi}
16350 \fi
16351 \renewcommand*{\l@section}[2]{%
16352 \ifnum \c@tocdepth >\z@
16353 \if@cfthaschapter
16354 \vskip \cftbeforesecskip
16355 \else
16356 \addpenalty\@secpenalty
16357 \addvspace{\cftbeforesecskip}
16358 \fi
16359 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
16360 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16361 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16362 \parindent \cftsecindent\relax\@afterindenttrue
16363 \interlinepenalty\@M
16364 \leavevmode
16365 \@tempdima \cftsecnumwidth\relax
16366 \let\@cftbsnum \cftsecpresnum
16367 \let\@cftasnum \cftsecaftersnum
16368 \let\@cftasnumb \cftsecaftersnumb
16369 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16370 {\cftsecfont #1}\nobreak
16371 \cftsecfillnum{#2}}
16372 \fi}
16373 \renewcommand*{\l@subsection}[2]{%
16374 \ifnum \c@tocdepth >\@ne
16375 \vskip \cftbeforesubsecskip
16376 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
16377 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16378 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16379 \parindent \cftsubsecindent\relax\@afterindenttrue
16380 \interlinepenalty\@M
16381 \leavevmode
16382 \@tempdima \cftsubsecnumwidth\relax
16383 \let\@cftbsnum \cftsubsecpresnum
16384 \let\@cftasnum \cftsubsecaftersnum
16385 \let\@cftasnumb \cftsubsecaftersnumb
16386 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16387 {\cftsubsecfont #1}\nobreak
16388 \cftsubsecfillnum{#2}}
16389 \fi}
16390 \renewcommand*{\l@subsubsection}[2]{%
16391 \ifnum \c@tocdepth >\tw@
16392 \vskip \cftbeforesubsubsecskip

```



```

16393 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
16394 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16395 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16396 \parindent \cftsubsubsecindent\relax\@afterindenttrue
16397 \interlinepenalty\@M
16398 \leavevmode
16399 \@tempdima \cftsubsubsecnumwidth\relax
16400 \let\@cftbsnum \cftsubsubsecpresnum
16401 \let\@cftasnum \cftsubsubsecaftersnum
16402 \let\@cftasnumb \cftsubsubsecaftersnumb
16403 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16404 {\cftsubsubsecfont #1}\nobreak
16405 \cftsubsubsecfillnum{#2}}
16406 \fi}
16407 \renewcommand*{\l@paragraph}[2]{%
16408 \ifnum \c@tocdepth >3\relax
16409 \vskip \cftbeforeparaskip
16410 {\if@RTL\rightskip\else\leftskip\fi \cftparindent\relax
16411 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16412 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16413 \parindent \cftparindent\relax\@afterindenttrue
16414 \interlinepenalty\@M
16415 \leavevmode
16416 \@tempdima \cftparanumwidth\relax
16417 \let\@cftbsnum \cftparapresnum
16418 \let\@cftasnum \cftparaaftersnum
16419 \let\@cftasnumb \cftparaaftersnumb
16420 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16421 {\cftparafont #1}\nobreak
16422 \cftparafillnum{#2}}
16423 \fi}
16424 \renewcommand*{\l@subparagraph}[2]{%
16425 \ifnum \c@tocdepth >4\relax
16426 \vskip \cftbeforesubparaskip
16427 {\if@RTL\rightskip\else\leftskip\fi \cftsubparindent\relax
16428 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16429 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16430 \parindent \cftsubparindent\relax\@afterindenttrue
16431 \interlinepenalty\@M
16432 \leavevmode
16433 \@tempdima \cftsubparanumwidth\relax
16434 \let\@cftbsnum \cftsubparapresnum
16435 \let\@cftasnum \cftsubparaaftersnum
16436 \let\@cftasnumb \cftsubparaaftersnumb
16437 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16438 {\cftsubparafont #1}\nobreak
16439 \cftsubparafillnum{#2}}
16440 \fi}
16441 \renewcommand*{\l@figure}[2]{%
16442 \ifnum \c@lofdepth >\z@

```



```

16443 \vskip \cftbeforefigskip
16444 {\if@RTL\rightrightskip\else\leftskip\fi \cftfigindent\relax
16445 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16446 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16447 \parindent \cftfigindent\relax\@afterindenttrue
16448 \interlinepenalty\@M
16449 \leavevmode
16450 \@tempdima \cftfignumwidth\relax
16451 \let\@cftbsnum \cftfigpresnum
16452 \let\@cftasnum \cftfigaftersnum
16453 \let\@cftasnumb \cftfigaftersnumb
16454 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
16455 {\cftfigfont #1}\nobreak
16456 \cftfigfillnum{#2}}
16457 \fi
16458 }
16459 \renewcommand*{\l@table}[2]{%
16460 \ifnum\c@lotdepth > \z@
16461 \vskip \cftbeforetabskip
16462 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
16463 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16464 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16465 \parindent \cfttabindent\relax\@afterindenttrue
16466 \interlinepenalty\@M
16467 \leavevmode
16468 \@tempdima \cfttabnumwidth\relax
16469 \let\@cftbsnum \cfttabpresnum
16470 \let\@cftasnum \cfttabaftersnum
16471 \let\@cftasnumb \cfttabaftersnumb
16472 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
16473 {\cfttabfont #1}\nobreak
16474 \cfttabfillnum{#2}}
16475 \fi
16476 }
16477 \renewcommand{\@cftl@subfig}{
16478 \renewcommand*{\l@subfigure}[2]{%
16479 \ifnum \c@lofdepth > \toclevel@subfigure
16480 \vskip \cftbeforesubfigskip
16481 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubfigindent\relax
16482 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16483 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16484 \parindent \cftsubfigindent\relax\@afterindenttrue
16485 \interlinepenalty\@M
16486 \leavevmode
16487 \@tempdima \cftsubfignumwidth\relax
16488 \let\@cftbsnum \cftsubfigpresnum
16489 \let\@cftasnum \cftsubfigaftersnum
16490 \let\@cftasnumb \cftsubfigaftersnumb
16491 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
16492 {\cftsubfigfont ##1}\nobreak

```



```

16493     \cftsubfigfillnum{##2}}
16494   \fi
16495 }
16496 }
16497 \renewcommand{\@cftl@subtab}{
16498 \renewcommand*{\l@subtable}[2]{%
16499   \ifnum \c@lotdepth > \toclevel@subtable
16500     \vskip \cftbeforesubtabskip
16501     {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
16502     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16503     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16504     \parindent \cftsubtabindent\relax\@afterindenttrue
16505     \interlinepenalty\@M
16506     \leavevmode
16507     \@tempdima \cftsubtabnumwidth\relax
16508     \let\@cftbsnum \cftsubtabpresnum
16509     \let\@cftasnum \cftsubtabaftersnum
16510     \let\@cftasnumb \cftsubtabaftersnumb
16511     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16512     {\cftsubtabfont ##1}\nobreak
16513     \cftsubtabfillnum{##2}}
16514   \fi
16515 }
16516 }
16517 \renewcommand{\newlistentry}[4][\@empty]{%
16518   \@ifundefined{c@#2}{%      check & set the counter
16519     \ifx \@empty#1\relax
16520       \newcounter{#2}
16521     \else
16522       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
16523         {#1 has no counter for use as a `within'}}
16524       \newcounter{#2}}%
16525     {\newcounter{#2}[#1]%
16526     \expandafter\edef\csname the#2\endcsname{%
16527     \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}%
16528   \fi
16529   \setcounter{#2}{0}
16530 }
16531 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
16532
16533 \namedef{#1#2}{%
16534   \ifnum \@nameuse{c@#3depth} > #4\relax
16535     \vskip \@nameuse{cftbefore#2skip}
16536     {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
16537     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16538     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16539     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
16540     \interlinepenalty\@M
16541     \leavevmode
16542     \@tempdima \@nameuse{cft#2numwidth}\relax

```



```

16543 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
16544 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
16545 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
16546 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rightsk
16547 {\@nameuse{cft#2font}##1}\nobreak
16548 \@nameuse{cft#2fillnum}{##2}}
16549 \fi
16550 } % end of \l@#2
16551
16552 \expandafter\newlength\csname cftbefore#2skip\endcsname
16553 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
16554 \expandafter\newlength\csname cft#2indent\endcsname
16555 \expandafter\newlength\csname cft#2numwidth\endcsname
16556 \ifcase #4\relax % 0
16557 \setlength{\@nameuse{cft#2indent}}{0em}
16558 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
16559 \or % 1
16560 \setlength{\@nameuse{cft#2indent}}{1.5em}
16561 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
16562 \or % 2
16563 \setlength{\@nameuse{cft#2indent}}{3.8em}
16564 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
16565 \or % 3
16566 \setlength{\@nameuse{cft#2indent}}{7.0em}
16567 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
16568 \else % anything else
16569 \setlength{\@nameuse{cft#2indent}}{10.0em}
16570 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
16571 \fi
16572 \@namedef{cft#2font}{\normalfont}
16573 \@namedef{cft#2presnum}{\}
16574 \@namedef{cft#2aftersnum}{\}
16575 \@namedef{cft#2aftersnumb}{\}
16576 \@namedef{cft#2dotsep}{\cftdotsep}
16577 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
16578 \@namedef{cft#2pagefont}{\normalfont}
16579 \@namedef{cft#2afterpnum}{\}
16580 \@namedef{toclevel@#2}{#4}
16581 \@namedef{cft#2fillnum}##1{%
16582 {\@nameuse{cft#2leader}}\nobreak
16583 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
16584 } % end \newlistentry
16585 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
16586 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
16587 \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
16588 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
16589 \textit{#1}\protect\par}}}

```

7.114 tocstyle-xetex-bidi.def



```

16590 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for
16591 \renewcommand*{\tocstyle@dottedtocline}[5]{%
16592   \let\numberline\tocstyle@numberline
16593   \ifnum #1>\c@tocdepth \else
16594     \if@tocstyle@penalties
16595       \begingroup
16596         \@tempcnta 20010
16597         \advance \@tempcnta by -#1
16598         \ifnum \@tempcnta>\lastpenalty
16599           \aftergroup\penalty\aftergroup\@lowpenalty
16600         \fi
16601       \endgroup
16602     \fi
16603     \edef\tocstyledepth{#1}%
16604     \tocstyle@activate@features
16605     \ifx\tocstyle@feature@entryvskip\relax
16606       \vskip \z@ \@plus.2\p@
16607     \else
16608       \addvspace{\tocstyle@feature@entryvskip}%
16609     \fi
16610   {%
16611     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
16612     \tocstyle@feature@raggedhook
16613     \@tempdima #3\relax
16614     \@tempdimb #2\relax
16615     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
16616     \ifnum #1>\z@\relax
16617       \@tempcnta #1\relax \advance\@tempcnta \m@ne
16618       \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16619         \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16620           \@tempdimb
16621           \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16622           \advance\@tempdimb
16623           \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16624         \fi
16625       \fi
16626     \fi
16627     \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16628     \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
16629       \ifdim \@tempdimb>
16630         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
16631         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
16632           @#1\endcsname{\the\@tempdimb}%
16633       \fi
16634     \else
16635       \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
16636         @#1\endcsname{\the\@tempdimb}%
16637     \fi
16638     \iftocstyle@autolength
16639       \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname

```



```

16640 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
16641 \relax
16642 \fi
16643 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
16644 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
16645 \relax
16646 \fi
16647 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
16648 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16649 \else
16650 \@tempdimb #2\relax
16651 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16652 \fi
16653 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
16654 \ifdim \@tempdima>
16655 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
16656 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
16657 @\endcsname{\the\@tempdima}%
16658 \fi
16659 \else
16660 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
16661 @\endcsname{\the\@tempdima}%
16662 \fi
16663 \ifcase\tocstyle@indentstyle\relax\else
16664 \@tempdimb \z@
16665 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
16666 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
16667 \relax
16668 \fi
16669 \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
16670 \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16671 \fi
16672 \advance\parindent \@tempdimb\@afterindenttrue
16673 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
16674 \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
16675 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16676 \ifx\tocstyle@feature@parfillskip\relax\else
16677 \advance\parfillskip \tocstyle@feature@parfillskip\relax
16678 \fi
16679 \interlinepenalty\@M
16680 \leavevmode
16681 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16682 \null\nobreak
16683 \iftocstyle@indentnotnumbered\else
16684 \hskip -\if@RTL\rightskip\else\leftskip\fi
16685 \fi
16686 \tocstyle@feature@entryhook
16687 {#4}\nobreak
16688 \ifx\tocstyle@feature@leaders\relax
16689 \leaders\hbox{$\m@th

```




```

16690         \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
16691         \mkern \@dotsep mu$\hfill
16692     \else
16693         \tocstyle@feature@leaders
16694     \fi
16695     \nobreak
16696     \ifx\tocstyle@feature@pagenumberbox\relax
16697         \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
16698     \else
16699         \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
16700     \fi
16701     \par
16702 }%
16703 \if@tocstyle@penalties
16704     \bgroup
16705         \@tempcnta 20009
16706         \advance\@tempcnta by -#1
16707         \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
16708     \reserved@a
16709 \fi
16710 \fi}
16711 \renewcommand*{\tocstyle@numberline}[1]{%
16712 \begingroup
16713     \ifx\tocstyle@feature@spaceafternumber\relax
16714         \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
16715     \else
16716         \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
16717         \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
16718     \fi
16719     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
16720         \ifdim \@tempdima >
16721             \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
16722             \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
16723                 @\tocstyledepth\endcsname{\the\@tempdima}%
16724         \fi
16725     \else
16726         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
16727             @\tocstyledepth\endcsname{\the\@tempdima}%
16728     \fi
16729 \endgroup
16730 \iftocstyle@indentnotnumbered
16731     \hskip -\if@RTL\rightskip\else\leftskip\fi
16732 \fi
16733 \ifcase \tocstyle@indentstyle
16734     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
16735 \or
16736     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
16737 \else
16738     \ifx\tocstyle@feature@spaceafternumber\relax
16739         \hbox{\tocstyle@@numberline{#1}\enskip}%

```



```

16740 \else
16741 \hbox{\tocstyle@numberline{#1}\hskip
16742 \tocstyle@feature@spaceafternumber\relax}%
16743 \fi
16744 \fi
16745 }
16746 \AtBeginDocument{%
16747 \ifcsname l@part\endcsname
16748 \ifcsname l@chapter\endcsname
16749 \setbox\@tempboxa\vbox{\hsize\maxdimen
16750 \l@part{\tocstyle@l@define{part}{-1}}{}}%
16751 \else
16752 \setbox\@tempboxa\vbox{\hsize\maxdimen
16753 \l@part{\tocstyle@l@define{part}{0}}{}}%
16754 \fi
16755 \fi
16756 \ifcsname l@chapter\endcsname
16757 \setbox\@tempboxa\vbox{\hsize\maxdimen
16758 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
16759 \fi
16760 \ifcsname l@section\endcsname
16761 \setbox\@tempboxa\vbox{\hsize\maxdimen
16762 \l@section{\tocstyle@l@define{section}{1}}{}}%
16763 \fi
16764 \ifcsname l@subsection\endcsname
16765 \setbox\@tempboxa\vbox{\hsize\maxdimen
16766 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
16767 \fi
16768 \ifcsname l@subsubsection\endcsname
16769 \setbox\@tempboxa\vbox{\hsize\maxdimen
16770 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
16771 \fi
16772 \ifcsname l@paragraph\endcsname
16773 \setbox\@tempboxa\vbox{\hsize\maxdimen
16774 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
16775 \fi
16776 \ifcsname l@subparagraph\endcsname
16777 \setbox\@tempboxa\vbox{\hsize\maxdimen
16778 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
16779 \fi
16780 \ifcsname l@table\endcsname
16781 \setbox\@tempboxa\vbox{\hsize\maxdimen
16782 \l@table{\tocstyle@l@define{table}{1}}{}}%
16783 \fi
16784 \ifcsname l@figure\endcsname
16785 \setbox\@tempboxa\vbox{\hsize\maxdimen
16786 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
16787 \fi
16788 \def\@tempa#1#2#3#4#5{%
16789 \ifnum #1>\c@tocdepth \else

```



```

16790 \vskip \z@ \@plus.2\p@
16791 {\ifRTL\rightright\else\leftskip\fi #2\relax \ifRTL\leftskip\else\rightright\fi \@tocrmarg
16792 \parindent #2\relax\@afterindenttrue
16793 \interlinepenalty\@M
16794 \leavevmode
16795 \@tempdima #3\relax
16796 \advance\ifRTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\rightright
16797 {#4}\nobreak
16798 \leaders\hbox{$\m@th
16799 \mkern \dotsep mu\hbox{.}\mkern \dotsep
16800 mu$}\hfill
16801 \nobreak
16802 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
16803 \par}%
16804 \fi}%
16805 \ifx\@dottedtocline\@tempa\else
16806 \tocstyle@macrochangewarning\@dottedtocline
16807 \fi
16808 \let\tocstyle@saved\@dottedtocline\@dottedtocline
16809 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
16810 \ifx\@numberline\@tempa\else
16811 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
16812 \ifx\@numberline\@tempa\else
16813 \tocstyle@macrochangewarning\@numberline
16814 \fi
16815 \fi
16816 \let\tocstyle@saved\@numberline\@numberline
16817 }
16818 \renewcommand*{\tocstyle@l@define}[2]{%
16819 \advance\ifRTL\rightright\else\leftskip\fi-\@tempdima
16820 \edef\@tempa{%
16821 \noexpand\global\noexpand\let
16822 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
16823 \expandafter\noexpand\csname l@#1\endcsname
16824 \noexpand\gdef
16825 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
16826 \noexpand\@dottedtocline{#2}{\the\ifRTL\rightright\else\leftskip\fi}{\the\@tempdima}}%
16827 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
16828 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
16829 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
16830 }%
16831 }%
16832 \PackageInfo{tocstyle}{prepare \expandafter\string
16833 \csname l@#1\endcsname\space for redefinition}%
16834 \@tempa
16835 }

```

7.115 todonotes-xetex-bidi.def

```

16836 \ProvidesFile{todonotes-xetex-bidi.def}[2015/06/17 v0.3 bidi adaptations for todonotes package f

```



```

16837 \newif\if@bidi@todonotes@textdirection@RTL
16838 \newif\if@bidi@todonotes@figposition@right
16839 \newcommand{\@bidi@todonotes@align}{}%
16840 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
16841 \newcommand{\@bidi@todonotes@textdirection}{}%
16842 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
16843 \ifcase\@bidi@todonotes@tempb\relax
16844 \@bidi@todonotes@textdirection@RTLtrue
16845 \let\@bidi@todonotes@textdirection\RLE
16846 \or
16847 \@bidi@todonotes@textdirection@RTLfalse
16848 \let\@bidi@todonotes@textdirection\LRE
16849 \fi}
16850 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
16851 \ifcase\@bidi@todonotes@tempb\relax
16852 \@bidi@todonotes@figposition@righttrue
16853 \or
16854 \@bidi@todonotes@figposition@rightfalse
16855 \fi}
16856 \if@todonotes@disabled%
16857 \else % \if@todonotes@disabled
16858 \renewcommand{\@todonotes@drawInlineNote}{%
16859 \if@todonotes@dviStyle%
16860 {\par\noindent\begin{tikzpicture}[remember picture]%
16861 \draw node[inlinenotestyle] {}; \end{tikzpicture}\par}%
16862 \if@todonotes@authorgiven%
16863 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
16864 \else%
16865 {\noindent \@todonotes@sizecommand \@todonotes@text}%
16866 \fi
16867 {\par\noindent\begin{tikzpicture}[remember picture]%
16868 \draw node[inlinenotestyle] {}; \end{tikzpicture}\par}%
16869 \else%
16870 {\par\noindent\begin{bidi@tikzpicture}[remember picture]%
16871 \if@bidi@todonotes@textdirection@RTL\else\setLTR\fi%
16872 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{}%
16873 \if@todonotes@authorgiven%
16874 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
16875 \else%
16876 {\noindent \@todonotes@sizecommand \@todonotes@text}%
16877 \fi};%
16878 \end{bidi@tikzpicture}\par}%
16879 \fi}%
16880 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
16881 \begin{bidi@tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
16882 \node [coordinate] (inText) {}; %
16883 \end{bidi@tikzpicture}%
16884 \marginpar[{\% Draw note in left margin
16885 \@todonotes@drawMarginNote%
16886 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%

```



```

16887 }]{% Draw note in right margin
16888   \@todonotes@drawMarginNote%
16889   \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
16890 }%
16891 }%
16892 \renewcommand{\@todonotes@drawMarginNote}{%
16893 \if@todonotes@dviStyle%
16894   \begin{tikzpicture}[remember picture]%
16895     \draw node[notestyle] {};%
16896   \end{tikzpicture}\\%
16897   \begin{minipage}{\@todonotes@textwidth}%
16898     \if@todonotes@authorgiven%
16899       \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
16900     \else%
16901       \@todonotes@sizecommand \@todonotes@text%
16902     \fi%
16903   \end{minipage}\\%
16904   \begin{tikzpicture}[remember picture]%
16905     \draw node[notestyle] (inNote) {};%
16906   \end{tikzpicture}%
16907 \else%
16908   \let\originalHbadness\hbadness%
16909   \hbadness 100000%
16910   \begin{tikzpicture}[remember picture,baseline=(X.base)]%
16911     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
16912     \node(X){\vphantom{X}};%
16913     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@al
16914       {\@todonotes@text};%
16915     \if@todonotes@authorgiven%
16916       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
16917         {\@todonotes@sizecommand\@todonotes@author}};%
16918     \node(Y)[below=of X]{};%
16919     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
16920       {\@todonotes@text};%
16921     \else%
16922       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
16923         {\@todonotes@text};%
16924     \fi%
16925   \end{tikzpicture}%
16926   \hbadness \originalHbadness%
16927 \fi}%
16928 \renewcommand{\missingfigure}[2][]{%
16929 \setkeys{todonotes}{#1}%
16930 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
16931 \par
16932 \noindent
16933 \begin{tikzpicture}
16934 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
16935   (-2, -2.5) rectangle +( \@todonotes@currentfigwidth, \@todonotes@currentfigheight);
16936 \if@bidi@todonotes@figposition@right%

```



```

16937 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
16938 \fi%
16939 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
16940 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
16941 \if@bidi@todonotes@figposition@right%
16942 \end{scope}
16943 \begin{scope}[xshift=-3.8cm]
16944 \fi%
16945 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
16946 \draw (2, -0.3) node[right, text
16947 width=\@todonotes@currentfigwidth-4.5cm, align=\@bidi@todonotes@align] {#2};
16948 \if@bidi@todonotes@figposition@right%
16949 \end{scope}
16950 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
16951 \fi%
16952 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
16953 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
16954 \if@bidi@todonotes@figposition@right%
16955 \end{scope}
16956 \fi%
16957 \end{tikzpicture}\hfill
16958 }% Ending \missingfigure command
16959 \fi % Ending \@todonotes@ifdisabled
16960 \presetkeys%
16961 {todonotes}%
16962 {align=left,%
16963 textdirection=lefttoright,%
16964 figposition=left}{}%

```

7.116 wrapfig-xetex-bidi.def

```

16965 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for X
16966 \let\WF@@everypar\@everypar
16967 \def\WF@putfigmaybef{%
16968 \ifinner
16969 \vskip-\parskip \global\WF@floatfalse
16970 \let\pagetotal\maxdimen % kludge flag for "not top of page"
16971 \else % outer page
16972 \@tempdima\pagedepth % save page depth
16973 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
16974 \penalty\interlinepenalty % update pg. parameters
16975 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
16976 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
16977 \global\WF@floatfalse
16978 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
16979 \else
16980 \ifdim\WF@size>\@tempdimb
16981 \ifWF@float \dimen@.5\baselineskip \else \dimen@2\baselineskip\fi
16982 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
16983 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi

```



```

16984         \ifdim\pagefillstretch>\z@ \dimen@ \@tempdimb \fi
16985         \advance\dimen@.5\baselineskip
16986         \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
16987         \global\WF@floatfalse \pagebreak
16988         \fi
16989         \else % \WF@info{Fits in \the\@tempdimb;}%
16990         \global\WF@floatfalse
16991         \fi\fi
16992         \vskip\@tempdima\relax % (return erased page depth)
16993 \fi
16994 \noindent
16995 \ifWF@float
16996   \WF@fltmes
16997 \else % putting here;
16998   \WF@info{Put \WF@wfname here:}%
16999   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
17000    \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
17001    \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
17002    \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
17003      \@tempdima\wd\WF@box \@tempdimb\WF@ovh
17004      \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
17005      \@tempdimb\hsize \advance\@tempdimb-\@tempdima
17006      \xdef\WF@adjlw{\the\@tempdima}%
17007      \ifnum `l=\WF@place % fig on left
17008        \if@RTL%
17009          \kern\@tempdimb \kern\columnsep
17010          \def\@tempa{\hss}% position to left of the gap
17011          \else%
17012            \hss % figure overlaps space to the left
17013            \def\@tempa{\kern\columnsep}% position to left of the gap
17014            \fi%
17015          \else % fig on right
17016            \if@RTL%
17017              \hss
17018              \@tempdima\z@
17019              \def\@tempa{\kern\columnsep}
17020              \else%
17021                \@tempdima\z@ % no left indentation
17022                \kern\@tempdimb \kern\columnsep
17023                \def\@tempa{\hss}% figure overlaps space to the right
17024                \fi%
17025              \fi
17026            \ifdim\@tempdimb<\hsize
17027              \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
17028              \xdef\WF@adjtllm{\the\@tempdima}%
17029            \else
17030              \xdef\WF@wrapil{\z@ \the\hsize}%
17031              \xdef\WF@adjlw{\z@}\xdef\WF@adjtllm{\z@}%
17032            \fi
17033            \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%

```



```

17034 \global\advance\WF@size-\intextsep
17035 \else % \WF@info{Putting \WF@wfname in middle of page}%
17036 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
17037 \fi \dp\WF@box\z@ \box\WF@box \@tempa
17038 }% end \hbox to Opt
17039 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
17040 \fi}

```

7.117 xcolor-xetex-bidi.def

```

17041 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT
17042 \long\def\color@b@x#1#2#3%
17043 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
17044 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
17045 \dimen@ht\z@\advance\dimen@\fbboxsepht\z@\dimen@
17046 \dimen@dp\z@\advance\dimen@\fbboxsepdp\z@\dimen@
17047 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
17048 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
17049 \DeclareRobustCommand\color
17050 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}
17051 \def\@undeclaredcolor[#1]#2%
17052 {\begingroup
17053 \let\@cls\@empty
17054 \XC@getmodclr12{#1}{#2}{}%
17055 {\ifblendcolors
17056 \ifx\colorblend\@empty\else
17057 \edef\@mix{\expandafter\gobble\colorblend}\@tempswafalse
17058 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
17059 \fi
17060 \fi
17061 \ifconvertcolorsU
17062 \edef\@tmp{\XC@tgt@mod{\@mod}}%
17063 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
17064 \fi
17065 \ifmaskcolors
17066 \convertcolorspec\@mod\@clr\XC@mmod\@clr
17067 \let\@mod\XC@mmod
17068 \XC@inflate\@mod\XC@mclr\@clr\@tmp
17069 \expandafter\XC@mul\@tmp,\@clr
17070 \fi
17071 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
17072 \expandafter\endgroup\@tmp}}
17073 \def\@declaredcolor#1%
17074 {\XC@edef\XC@tmp{#1}\XC@tstfalse
17075 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
17076 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
17077 \ifconvertcolorsU\XC@tsttrue\fi
17078 \fi
17079 \ifXC@tst
17080 \expandafter\XC@declaredcolor\else

```




```

17081 \expandafter\XC@declaredc@lor\fi}
17082 \def\XC@undeclaredcolor#1#2%
17083 {\@ifundefinedmodel{#1}%
17084 {\c@lor@error{model `#1'}}%
17085 {\@nameuse{color#1}\current@color{#2}%
17086 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
17087 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
17088 \def\XC@declaredc@lor
17089 {\XC@let@Nc\XC@current@color{\string\color\XC@@tmp}%
17090 \edef\current@color{\XC@current@color}%
17091 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
17092 \DeclareRobustCommand\bidicolor
17093 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
17094 \def\@bidiundeclaredcolor[#1]#2%
17095 {\beginRgroup
17096 \let\@cls\@empty
17097 \XC@getmodclr12{#1}{#2}{}%
17098 {\ifblendcolors
17099 \ifx\colorblend\@empty\else
17100 \edef\@mix{\expandafter@gobble\colorblend}\@tempswafalse
17101 \XC@coremodel\@mod\@clr\xcolor@{\}\@mod\@clr
17102 \fi
17103 \fi
17104 \ifconvertcolorsU
17105 \edef\@tmp{\XC@tgt@mod{\@mod}}%
17106 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
17107 \fi
17108 \ifmaskcolors
17109 \convertcolorspec\@mod\@clr\XC@mmod\@clr
17110 \let\@mod\XC@mmod
17111 \XC@inflate\@mod\XC@mclr\@clr\@tmp
17112 \expandafter\XC@mul\@tmp,\@clr
17113 \fi
17114 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
17115 \expandafter\endRgroup\@tmp}}
17116 \def\XC@bidiundeclaredcolor#1#2%
17117 {\@ifundefinedmodel{#1}%
17118 {\c@lor@error{model `#1'}}%
17119 {\@nameuse{color#1}\current@color{#2}%
17120 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
17121 \XC@display}}
17122 \def\@bidideclaredcolor#1%
17123 {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
17124 \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
17125 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
17126 \ifconvertcolorsU\XC@@tsttrue\fi
17127 \fi
17128 \ifXC@@tst
17129 \expandafter\XC@bidideclaredcolor\else
17130 \expandafter\XC@bidideclaredc@lor\fi}

```



```

17131 \def\XC@bidideclaredcolor
17132   {\XC@split\XC@tmp
17133    \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
17134    \expandafter\endgroup\@tmp}
17135 \def\XC@bidideclaredcolor
17136   {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
17137    \edef\current@color{\XC@current@color}%
17138    \XC@display}
17139 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
17140 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
17141 \def\color@fb@x#1#2#3#4%
17142   {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
17143    {\@ifempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
17144 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.118 latex-xetex-bidi.def

```

17145 \ProvidesFile{latex-xetex-bidi.def}[2015/02/01 v1.1.9 bidi adaptations for 'latex.ltx' for XeTeX]
17146 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
17147 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
17148 \TeXXeTOn
17149 \def\bidi@RTL@everypar{\if@RTL{\setbox\z@\lastbox\beginR\ifvoid\z@\else\usebox\z@\fi}\fi}
17150 \let\bidi@o@everypar=\everypar
17151 \newtoks\bidi@n@everypar
17152 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
17153 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
17154 \let\everypar=\bidi@n@everypar
17155 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
17156 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
17157 \protected\def\hboxR{\hbox\bggroup
17158   \everyhbox{%
17159     \aftergroup\egroup
17160     \everyhbox{}}%
17161   \beginR
17162   \bggroup
17163   \aftergroup\endR
17164   \aftergroup\egroup
17165   }\hbox}
17166 \protected\def\hboxL{\hbox\bggroup
17167   \everyhbox{%
17168     \aftergroup\egroup
17169     \everyhbox{}}%
17170   \beginL
17171   \bggroup
17172   \aftergroup\endL
17173   \aftergroup\egroup
17174   }\hbox}
17175 \protected\def\vboxR{\vbox\bggroup
17176   \everyvbox{%
17177     \aftergroup\egroup

```



```

17178 \everyvbox{}%
17179 \RTLtrue
17180 \bgroup
17181 \aftergroup\egroup
17182 }\vbox}
17183 \protected\def\vboxL{\vbox\bgroup
17184 \everyvbox{%
17185 \aftergroup\egroup
17186 \everyvbox{}%
17187 \RTLfalse
17188 \bgroup
17189 \aftergroup\egroup
17190 }\vbox}
17191 \def\LTR{\par\RTLfalse\RTL@footnotefalse\if@bidi@list@minipage@parbox\beginL\else\if@RTLtab
17192 \def\endLTR{\par}
17193 \def\RTL{\par\RTLtrue\RTL@footnotetrue\hsize\linewidth\parshape\z@}
17194 \def\endRTL{\par}
17195 \def\setRTL{\RTLtrue\RTL@footnotetrue}
17196 \def\setLTR{\RTLfalse\RTL@footnotefalse\if@bidi@list@minipage@parbox\beginL\else\if@RTLtab
17197 \let\unsetRTL=\setLTR
17198 \let\unsetLTR=\setRTL
17199 \let\LR=\LRE
17200 \let\RL=\RLE
17201 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
17202 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
17203 \let\@ensure@RL=\@ensure@RTL
17204 \let\@ensure@LR=\@ensure@LTR
17205 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
17206 \let\@ensure@maindir=\@ensure@dir
17207 \def\@RTL{RTL}
17208 \def\@LTR{LTR}
17209 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
17210 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
17211 \let\@TeX\TeX
17212 \def\TeX{\@ensure@LTR{\@TeX}}
17213 \let\@LaTeX\LaTeX
17214 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
17215 \let\@LaTeXe\LaTeXe
17216 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
17217 \long\def\bidi@reflect@box#1{%
17218 \leavevmode
17219 \setbox\z@\hbox{{#1}}%
17220 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
17221 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
17222 }
17223 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
17224 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
17225 \def\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
17226 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
17227 \let\setRL=\setRTL

```



```

17228 \let\setLR=\setLTR
17229 \let\unsetRL=\setLTR
17230 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
17231   \ialign{##\hfil$\&\quad{##}\hfil\cr#1\cr}\,}\right\}}
17232 \def\SepMark#1{\gdef\SepMark{\if@RTL\fi#1\if@RTL\fi}}
17233 \SepMark{.}
17234 \def\@thmcountersep{\@SepMark}
17235 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
17236 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
17237 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
17238 \def\list#1#2{%
17239   \ifnum \@listdepth >5\relax
17240     \@toodeep
17241   \else
17242     \global\advance\@listdepth\@ne
17243   \fi
17244   \rightmargin\z@
17245   \listparindent\z@
17246   \itemindent\z@
17247   \csname @list\romannumeral\the\@listdepth\endcsname
17248   \def\@itemlabel{#1}%
17249   \let\makelabel\@mklab
17250   \@nmbrrlistfalse
17251   #2\relax
17252   \@trivlist
17253   \parskip\parsep
17254   \parindent\listparindent
17255   \advance\linewidth -\rightmargin
17256   \advance\linewidth -\leftmargin
17257   \if@bidi@list@minipage@parbox
17258     \if@RTL
17259       \advance\@totalleftmargin \leftmargin
17260     \else
17261       \advance\@totalleftmargin \rightmargin
17262     \fi
17263   \else
17264     \if@RTLtab
17265       \if@bidi@list@minipage@parbox@not@nob
17266       \if@RTL
17267         \advance\@totalleftmargin \rightmargin
17268       \else
17269         \advance\@totalleftmargin \leftmargin
17270       \fi
17271     \else
17272       \if@RTL
17273         \advance\@totalleftmargin \leftmargin
17274       \else
17275         \advance\@totalleftmargin \rightmargin
17276       \fi\fi
17277   \else

```



```

17278 \if@RTL
17279 \advance\@totalleftmargin \rightmargin
17280 \else
17281 \advance\@totalleftmargin \leftmargin
17282 \fi\fi\fi
17283 \parshape \@ne \@totalleftmargin \linewidth
17284 \ignorespaces}
17285 \def\@item[#1]{%
17286 \if@nparitem
17287 \@donoparitem
17288 \else
17289 \if@inlabel
17290 \indent \par
17291 \fi
17292 \ifhmode
17293 \unskip\unskip \par
17294 \fi
17295 \if@newlist
17296 \if@nobreak
17297 \@nbitem
17298 \else
17299 \addpenalty\@beginparpenalty
17300 \addvspace\@topsep
17301 \addvspace{-\parskip}%
17302 \fi
17303 \else
17304 \addpenalty\@itempenalty
17305 \addvspace\itemsep
17306 \fi
17307 \global\@inlabeltrue
17308 \fi
17309 \everypar{\if@bidi@list@minipage@parbox\if@RTL\else\beginL\fi\else\if@RTLtab\if@RTL\else\beginR\fi\fi}%
17310 \@minipagefalse
17311 \global\@newlistfalse
17312 \if@inlabel
17313 \global\@inlabelfalse
17314 {\setbox\z@\lastbox
17315 \ifvoid\z@
17316 \kern-\itemindent
17317 \fi}%
17318 \box\@labels
17319 \penalty\z@
17320 \fi
17321 \if@nobreak
17322 \@nobreakfalse
17323 \clubpenalty \@M
17324 \else
17325 \clubpenalty \@clubpenalty
17326 \everypar{}%
17327 \fi}%

```



```

17328 \if@noitemarg
17329 \@noitemargfalse
17330 \if@nmbrrlist
17331 \refstepcounter\@listctr
17332 \fi
17333 \fi
17334 \sbox\@tempboxa{\makelabel{#1}}%
17335 \global\setbox\@labels\hbox{%
17336 \unhbox\@labels
17337 \hskip \itemindent
17338 \hskip -\labelwidth
17339 \hskip -\labelsep
17340 \ifdim \wd\@tempboxa >\labelwidth
17341 \box\@tempboxa
17342 \else
17343 \hbox to\labelwidth {\unhbox\@tempboxa}%
17344 \fi
17345 \hskip \labelsep}%
17346 \ignorespaces}
17347 \long\def\@iiiparbox#1#2[#3]#4#5{%
17348 \leavevmode
17349 \@pboxswfalse
17350 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
17351 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
17352 \setlength\@tempdima{#4}%
17353 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
17354 \ifx\relax#2\else
17355 \setlength\@tempdimb{#2}%
17356 \edef\@parboxto{to\the\@tempdimb}%
17357 \fi
17358 \if#1b\vbox
17359 \else\if #1t\vtop
17360 \else\ifmmode\vcenter
17361 \else\@pboxswtrue $\vcenter
17362 \fi\fi\fi
17363 \@parboxto{\let\hss\vss\let\unhbox\unvbox
17364 \csname bm@#3\endcsname}%
17365 \if@pboxsw \m@th$\fi
17366 \@end@tempboxa}
17367 \def\bidi@lrbox#1{%
17368 \edef\reserved@a{%
17369 \endgroup
17370 \setbox#1\hbox{%
17371 \begingroup\aftergroup}%
17372 \def\noexpand\@currentvir{\@currentvir}%
17373 \def\noexpand\@currentvline{\@currentvline}}%
17374 \reserved@a
17375 \@endpefalse
17376 \color@begingroup
17377 \ignorespaces}

```



```

17378 \def\endbidi@lrbox{\unskip\color@endgroup}
17379 \newenvironment{LTRitems}
17380     {\par\@RTLfalse
17381      \if@bidi@list@minipage@parbox
17382      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
17383      \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17384      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
17385      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
17386      \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
17387      \ignorespaces}{\vskip\z@}
17388 \newenvironment{RTLitems}
17389     {\par\@RTLtrue
17390      \if@bidi@list@minipage@parbox
17391      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
17392      \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17393      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
17394      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
17395      \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
17396      \ignorespaces}{\vskip\z@}
17397 \newenvironment{LTRbibitems}
17398     {\par\@RTLfalse
17399      \if@bidi@list@minipage@parbox
17400      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
17401      \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17402      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
17403      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
17404      \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
17405      \ignorespaces}{\vskip\z@}
17406 \newenvironment{RTLbibitems}
17407     {\par\@RTLtrue
17408      \if@bidi@list@minipage@parbox
17409      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
17410      \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17411      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
17412      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
17413      \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
17414      \ignorespaces}{\vskip\z@}
17415 \def\raggedright{%
17416   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
17417   \leftskip\z@skip
17418   \parindent\z@\parfillskip\z@skip}
17419 \let\bidi@orig@raggedleft\raggedleft
17420 \let\bidi@orig@raggedright\raggedright
17421 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@RTLtab\b
17422 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@RTLtab\b
17423 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
17424 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
17425 \def\centerline#1{%
17426 \if@RTL\@@line{\hss\beginR#1\endR\hss}
17427 \else\@@line{\hss#1\hss}\fi}

```



```

17428 \def\leftline#1{%
17429 \if@RTL\@line{\beginR#1\endR\hss}
17430 \else\@line{#1\hss}\fi}
17431 \def\rightline#1{%
17432 \if@RTL\@line{\hss\beginR#1\endR}
17433 \else\@line{\hss#1}\fi}
17434 \let\bidiorig@leftline\leftline
17435 \let\bidiorig@rightline\rightline
17436 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\i
17437 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\
17438 \def\bidirlap#1{\hb@xt@z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
17439 \def\bidillap#1{\hb@xt@z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
17440 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
17441 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
17442 \def\narrower{%
17443 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
17444 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
17445 \def\underline#1{%
17446 \relax
17447 \ifmmode\@underline{#1}%
17448 \else
17449 \if@RTL $\@underline{\hbox{\beginR#1\endR}}\m@th$\relax
17450 \else
17451 $\@underline{\hbox{#1}}\m@th$\relax\fi\fi}
17452 \if@compatibility
17453 \let\underline=\underline
17454 \fi
17455 \global\@RTLtabfalse
17456 \def\@tabular{\if@RTL\@RTLtabtrue\fi
17457 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
17458 $\let\@acol\@tabacol
17459 \let\@classz\@tabclassz
17460 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
17461 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
17462 \egroup $\if@RTLtab\endR\fi\egroup
17463 \@RTLtabfalse}
17464 \expandafter \let \csname endtabular*\endcsname = \endtabular
17465 \def\@array[#1]#2{%
17466 \if #1t\top \else \if#1b\bottom \else \vcenter \fi\fi
17467 \bgroup
17468 \setbox\@arstrutbox\hbox{%
17469 \vrule \@height\arraystretch\ht\strutbox
17470 \@depth\arraystretch \dp\strutbox
17471 \@width\z@}%
17472 \mkpream{#2}%
17473 \edef\@preamble{%
17474 \ialign \noexpand\@halignto
17475 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17476 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17477 \let\@tabularnewline\%

```




```

17478 \let\par\@empty
17479 \let\@sharp##%
17480 \set@typeset@protect
17481 \lineskip\z@skip\baselineskip\z@skip
17482 \ifhmode \@preamerr\z@ \@par\fi
17483 \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
17484 \@preamble}
17485 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
17486 \let\@classiv\@arrayclassiv
17487 \let\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
17488 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
17489 \ifnum \@lastchclass=3 5 \else
17490 \z@ \if #1c\@chnum \z@ \else
17491 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
17492 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
17493 \@chclass \if #1|\@ne \else
17494 \if #1@\tw@ \else
17495 \if #1p3 \else \z@ \@preamerr 0\fi
17496 \fi \fi \fi \fi \fi \fi
17497 \fi}
17498 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
17499 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
17500 \def\bm@t{\unhbox\@tempboxa\hss}
17501 \def\bm@b{\hss\unhbox\@tempboxa}
17502 \def\@dottedtocline#1#2#3#4#5{%
17503 \ifnum #1>\c@tocdepth \else
17504 \vskip \z@ \@plus.2\p@
17505 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
17506 \parindent #2\relax\@afterindenttrue
17507 \interlinepenalty\@M
17508 \leavevmode
17509 \@tempdima #3\relax
17510 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
17511 {#4}\nobreak
17512 \leaders\hbox{$\m@th
17513 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
17514 mu$}\hfill
17515 \nobreak
17516 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
17517 \par}%
17518 \fi}
17519 \def\RTL@outputdblcol{%
17520 \if@firstcolumn \global\@firstcolumnfalse
17521 \global\setbox\@leftcolumn \box\@outputbox
17522 \else \global\@firstcolumntrue
17523 \setbox\@outputbox \vbox {\hbox to\textwidth {%
17524 \hskip \columnwidth
17525 \hfil \vrule width\columnseprule \hfil
17526 \hbox to\columnwidth {\box\@leftcolumn \hss}}%
17527 \hskip -\textwidth

```



```

17528 \hbox to\columnwidth{\box\@outputbox \hss}%
17529 \hskip \columnsep
17530 \hskip \columnwidth }}%
17531 \@combinedblfloats \@outputpage
17532 \beginingroup \@dblfloatplacement \@startdblcolumn
17533 \@whiles\if@fcolmade \fi
17534 {\@outputpage \@startdblcolumn }\endgroup
17535 \fi}
17536 \def\LTR@outputdblcol{%
17537   \if@firstcolumn
17538     \global \@firstcolumnfalse
17539     \global \setbox\@leftcolumn \box\@outputbox
17540   \else
17541     \global \@firstcolumntrue
17542     \setbox\@outputbox \vbox {%
17543       \hb@xt@\textwidth {%
17544         \hb@xt@\columnwidth {%
17545           \box\@leftcolumn \hss}%
17546         \hfil
17547         {\normalcolor\vrule \@width\columnseprule}%
17548         \hfil
17549         \hb@xt@\columnwidth {%
17550           \box\@outputbox \hss}%
17551         }%
17552       }%
17553     \@combinedblfloats
17554     \@outputpage
17555     \beginingroup
17556       \@dblfloatplacement
17557       \@startdblcolumn
17558       \@whiles\if@fcolmade \fi
17559       {\@outputpage
17560        \@startdblcolumn}%
17561     \endgroup
17562   \fi
17563 }
17564 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
17565 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
17566 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
17567 \def\LTRmarginpar{%
17568   \ifhmode
17569     \bsphack
17570     \@floatpenalty -\@Mii
17571   \else
17572     \@floatpenalty-\@Miii
17573   \fi
17574   \ifinner
17575     \parmoderr
17576     \@floatpenalty\z@
17577   \else

```



```

17578 \@next\@currbox\@freelist{}\}%
17579 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
17580 {\@floatpenalty\z@
17581 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
17582 \fi
17583 \ifnextchar [\@LTRxmpar\@LTRYmpar}
17584 \long\def\@LTRxmpar[#1]#2{%
17585 \@LTRsavemarbox\@marbox{#1}%
17586 \@LTRsavemarbox\@currbox{#2}%
17587 \@xympar}
17588 \long\def\@LTRYmpar#1{%
17589 \@LTRsavemarbox\@marbox{#1}%
17590 \global\setbox\@currbox\copy\@marbox
17591 \@xympar}
17592 \long\def \@LTRsavemarbox #1#2{%
17593 \global\setbox #1%
17594 \color@vbox
17595 \vtop{%
17596 \hsize\marginparwidth
17597 \@parboxrestore
17598 \@LTRmarginparreset
17599 #2%
17600 \@minipagefalse
17601 \outer@nobreak
17602 }%
17603 \color@endbox
17604 }
17605 \def \@LTRmarginparreset {%
17606 \reset@font
17607 \normalsize
17608 \@minipagetrue
17609 \everypar{\@minipagefalse\everypar{}\beginL}%
17610 }
17611 \def\RTLmarginpar{%
17612 \ifhmode
17613 \bsphack
17614 \@floatpenalty -\@Mii
17615 \else
17616 \@floatpenalty-\@Miii
17617 \fi
17618 \ifinner
17619 \@parmoderr
17620 \@floatpenalty\z@
17621 \else
17622 \@next\@currbox\@freelist{}\}%
17623 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
17624 {\@floatpenalty\z@
17625 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
17626 \fi
17627 \@ifnextchar [\@RTLxmpar\@RTLympar}

```



```

17628 \long\def\@RTLxmpar[#1]#2{%
17629   \@RTLSavemarbox\@marbox{#1}%
17630   \@RTLSavemarbox\@currbox{#2}%
17631   \@xympar}
17632 \long\def\@RTLympar#1{%
17633   \@RTLSavemarbox\@marbox{#1}%
17634   \global\setbox\@currbox\copy\@marbox
17635   \@xympar}
17636 \long\def \@RTLSavemarbox #1#2{%
17637   \global\setbox #1%
17638     \color@vbox
17639     \vtop{%
17640       \hsize\marginparwidth
17641       \@parboxrestore
17642       \@RTLmarginparreset
17643       #2%
17644       \@minipagefalse
17645       \outer@nobreak
17646     }%
17647   \color@endbox
17648 }
17649 \def \@RTLmarginparreset {%
17650   \reset@font
17651   \normalsize
17652   \@minipagetrue
17653   \everypar{\@minipagefalse\everypar{}\beginR}%
17654 }
17655 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
17656   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
17657   \if@twocolumn
17658     \if@firstcolumn \@tempcnta\m@ne \fi
17659   \else
17660     \if@mparswitch
17661       \ifodd\c@page \else\@tempcnta\m@ne \fi
17662     \fi
17663     \if@reversemargin \@tempcnta -\@tempcnta \fi
17664   \fi
17665   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
17666   \@tempdima\@mparbottom
17667   \advance\@tempdima -\@pageht
17668   \advance\@tempdima\ht\@marbox
17669   \ifdim\@tempdima >\z@
17670     \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
17671   \else
17672     \@tempdima\z@
17673   \fi
17674   \global\@mparbottom\@pageht
17675   \global\advance\@mparbottom\@tempdima
17676   \global\advance\@mparbottom\dp\@marbox
17677   \global\advance\@mparbottom\marginparpush

```



```

17678 \advance\@tempdima -\ht\@marbox
17679 \global\setbox \@marbox
17680 \vbox {\vskip \@tempdima
17681 \box \@marbox}%
17682 \global \ht\@marbox \z@
17683 \global \dp\@marbox \z@
17684 \kern -\@pagedp
17685 \nointerlineskip
17686 \hb@xt@\columnwidth
17687 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
17688 \hskip\columnwidth \hskip\marginparsep
17689 \else
17690 \hskip -\marginparsep \hskip -\marginparwidth
17691 \fi
17692 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
17693 \nointerlineskip
17694 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
17695 \long\def\@ympar#1{%
17696 \savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
17697 \global\setbox\@currbox\copy\@marbox
17698 \@xympar}
17699 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
17700 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
17701 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
17702 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
17703 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
17704 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
17705 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
17706 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
17707 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
17708 \fi}
17709 \def\@outputpage{%
17710 \begingroup % the \endgroup is put in by \aftergroup
17711 \let \protect \noexpand
17712 \@resetactivechars
17713 \global\let\@if@newlist\if@newlist
17714 \global\@newlistfalse
17715 \@parboxrestore
17716 \shipout \vbox{%
17717 \set@typeset@protect
17718 \aftergroup \endgroup
17719 \aftergroup \set@typeset@protect
17720 % correct? or just restore by ending
17721 % the group?
17722 \if@specialpage
17723 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
17724 \fi
17725 \if@twoside
17726 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
17727 \let\@themargin\oddsidemargin

```



```

17728 \else \let\@thehead\@evenhead
17729 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
17730 \fi
17731 \ifx\@thehead\@empty \let\@thehead\hfil \fi
17732 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
17733 \else %% not @twoside
17734 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
17735 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
17736 \fi
17737 \reset@font
17738 \normalsize
17739 \normalsfcodes
17740 \let\label\@gobble
17741 \let\index\@gobble
17742 \let\glossary\@gobble
17743 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
17744 \@beginndvi
17745 \vskip \topmargin
17746 \moveright\@themargin \vbox {%
17747 \setbox\@tempboxa \vbox to\headheight{%
17748 \vfil
17749 \color@hbox
17750 \normalcolor
17751 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLmain
17752 \color@endbox
17753 }%
17754 \dp\@tempboxa \z@
17755 \box\@tempboxa
17756 \vskip \headsep
17757 \box\@outputbox
17758 \baselineskip \footskip
17759 \color@hbox
17760 \normalcolor
17761 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLmain
17762 \color@endbox
17763 }%
17764 }%
17765 \global\let\if@newlist\@if@newlist
17766 \global \colht \textheight
17767 \stepcounter{page}%
17768 \let\firstmark\botmark
17769 }
17770 \long\def\@makecaption#1#2{%
17771 \vskip\abovecaptionskip
17772 \sbox\@tempboxa{#1: #2}%
17773 \ifdim \wd\@tempboxa >\hsize
17774 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
17775 \else
17776 \global \minipagefalse
17777 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%

```



```

17778 \fi
17779 \vskip\belowcaptionskip}
17780 \let\bidisaved@eqno=\eqno
17781 \let\bidisaved@leqno=\leqno
17782 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
17783 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
17784 \@ifpackageloaded{amsmath}{}{}
17785 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
17786 }
17787 \input{footnote-xetex-bidi.def}
17788 \if@twocolumn
17789 \let\autofooterule\relax
17790 \let\leftfootnoterule\relax
17791 \let\rightfootnoterule\relax
17792 \textwidthfootnoterule
17793 \fi
17794 \if@bidi@cundefined{@idxitem}{}{}%
17795 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
17796 }
17797 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{}{\input{article-xetex-bidi.def}}{}
17798 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
17799 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
17800 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
17801 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
17802 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
17803 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
17804 \@ifclassloaded{scrletter}{\input{scrletter-xetex-bidi.def}}{}
17805 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
17806 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
17807 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
17808 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
17809 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{}{\input{report-xetex-bidi.def}}{}
17810 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
17811 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
17812 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
17813 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
17814 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
17815 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
17816 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
17817 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
17818 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
17819 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{}{\input{book-xetex-bidi.def}}{}
17820 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
17821 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
17822 \@ifpackageloaded{amsmath}{}{}%
17823 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
17824 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
17825 }
17826 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
17827 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}

```



```

17828 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
17829 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
17830 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
17831 \@ifpackagewith{algorithm2e}{algonl}{%
17832 \renewcommand{\theAlgoLine}{\expandafter\cname the\algocf@float\endcsname\@SepMark\arabic{Alg
17833 }{}
17834 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
17835 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
17836 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
17837 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
17838 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
17839 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
17840 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
17841 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
17842 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
17843 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
17844 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
17845 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
17846 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
17847 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
17848 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
17849 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
17850 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
17851 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}{}
17852 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
17853 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
17854 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
17855 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
17856 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
17857 \@ifpackageloaded{hvfloating}{\input{hvfloating-xetex-bidi.def}}{}
17858 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
17859 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
17860 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
17861 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
17862 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
17863 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
17864 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
17865 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
17866 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
17867 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
17868 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
17869 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
17870 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
17871 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
17872 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
17873 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
17874 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
17875 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
17876 \@ifpackageloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
17877 \@ifpackageloaded{pgf}{\input{pgf-xetex-bidi.def}}{}

```




```

17878 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
17879 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
17880 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
17881 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
17882 \@ifpackagewith{sidecap}{innercaption}{%
17883 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
17884 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}}
17885 \renewcommand*{\SC@justify@caption{%
17886 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
17887 \renewcommand*{\SC@FLOAT}[2]{%
17888 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}}
17889 \renewcommand*{\SC@justify@caption{%
17890 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
17891 }{}
17892 \@ifpackagewith{sidecap}{rightcaption}{%
17893 \if@RTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
17894 \def\SC@justify@caption{\RaggedLeft}\else%
17895 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
17896 \def\SC@justify@caption{\RaggedRight}\fi%
17897 }{}
17898 \@ifpackagewith{sidecap}{leftcaption}{%
17899 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
17900 \def\SC@justify@caption{\RaggedRight}\else%
17901 \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
17902 \def\SC@justify@caption{\RaggedLeft}\fi%
17903 }{}
17904 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
17905 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
17906 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
17907 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
17908 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
17909 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
17910 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
17911 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
17912 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
17913 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
17914 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
17915 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
17916 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
17917 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
17918 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
17919 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
17920 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
17921 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}{\input{tocbibind-xetex-bidi.def}}{}}
17922 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xetex-bidi.def}}{}}
17923 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
17924 \@ifpackageloaded{tikz}{\input{tikz-xetex-bidi.def}}{}
17925 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```



7.119 xltextra-xetex-bidi.def

```

17926 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for X
17927 \let\@@XeTeX\XeTeX
17928 \def\XeTeX{\@ensure@LTR{\@@XeTeX}}
17929 \let\@@XeLaTeX\XeLaTeX
17930 \def\XeLaTeX{\@ensure@LTR{\@@XeLaTeX}}

```

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\\$ 11384	\@@XeLaTeX 17929, 17930	\@@makefnmark . 14208,
\% 10327	\@@XeTeX . . . 17927, 17928	14210, 14723,
\' 10447, 11988, 13088, 13102	\@@author 4964, 4967, 4970	14725, 15273,
\, 4351, 10524, 13672, 13715, 16863, 16874, 17231	\@@bidi@AfterClass 3032, 3049	15274, 15404, 15406
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\@@ 16024, 16026	\@@endpbox . . . 11922, 15920, 15959, 17476	15920, 15959, 17476
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9 Change History

v13.9	General: Added implementaion of the package.	0	lot, lof, etc with multicol package. 281
v14.2	General: Fixed the wrong order of toc,		
v14.3	General: Removed <code>\leavevmode</code> to avoid extra <code>\par</code>		134

