



The XePersian *Package*

Documentation for *version* 17.3

to my Master, Ferdowsi The Great

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please do not send any direct email to me; I will not answer any direct email. Instead please use the issue tracker:

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

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

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The XePersian *Package*

Persian for $\text{\LaTeX} 2_{\epsilon}$, using Xe \TeX engine

Documentation for [version 17.3](#)

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February 4, 2017

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1 Introduction

XePersian is a package for typesetting Persian/English documents with Xe \LaTeX . The package includes adaptations for use with many other commonly-used packages.

1.1 Important Notes

- ☞ The XePersian package only works with Xe \TeX engine.
- ☞ Before reading this documentation, you should have read the documentation of the bidi package. The XePersian package automatically loads bidi package with `RTLdocument` option enabled and hence any commands that bidi package offers, is also available in XePersian package. Here, in this documentation, we will not repeat any of bidi package's commands.
- ☞ In previous versions ($\leq 1.0.3$) of XePersian, a thesis class provided for typesetting thesis. As of version 1.0.4, we no longer provide this class because we are not familiar with specification of a thesis in Iran and even if we were, the specifications are different from University to University. XePersian is a general package like \LaTeX and should not provide any class for typesetting thesis. So if you really want to have a class file for typesetting thesis, then you should ask your University/department to write one for you.

1.2 XePersian Info On The Terminal and In The Log File

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

```
*****
*
* xepersian package (Persian for LaTeX, using XeTeX engine)
*
* Description: The package supports Persian
* typesetting, using fonts provided in the
* distribution.
*
* Copyright (c) 2008--2017 Vafa Khalighi
*
* v17.3, 2017/02/04
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/tex-xet/xepersian/issues
```



*
 * Support: persian-tex@tug.org

2 Basics

2.1 Loading The Package

You can load the package in the ordinary way;

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

Where options of the package are explained later in [subsection 2.4](#).

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

- ❶ xepersian should be the last package that you load, because otherwise you are certainly going to overwrite bidi and XePersian package's definitions and consequently, you will not get the expected output.

- ❷ In fact, in addition to bidi, XePersian also makes sure that some specific packages are loaded before bidi and XePersian; these are those packages that bidi and XePersian modifies them for bidirectional and Persian/English typesetting.

If you load XePersian before any of these packages, then you will get an error saying that you should load XePersian or bidi as your last package. When it says that you should load bidi package as your last package, it really means that you should load XePersian as your last package as bidi package is loaded automatically by XePersian package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{xepersian}
3 \usepackage{enumerate}
4 \settextfont{XB Niloofar}
5 \begin{document}
6 این فقط یک آزمایش است
7 \end{document}
```

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

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

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



```
...
1.5 \begin{document}
?
```

2.2 XePersian's Symbol

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

2.3 Commands for Version number, and Date of The Package

```
\xepersianversion \xepersiandate
```

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

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

```
1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \begin{document}
5 \begin{latin}
6 This is typeset by \textsf{\XePersian} package, \xepersianversion,
7 \xepersiandate.
8 \end{latin}
9 \end{document}
```

2.4 Options of The Package

There are few options:

2.4.1 defaultlatinfontfeatures Option

```
defaultlatinfontfeatures=<value>
```

The `defaultlatinfontfeatures` option allows you to pass font features to the main Latin font. `<value>` is a set of font features.

2.4.2 extrafootnotefeatures Option

This is just the `extrafootnotefeatures` Option of `bidi` package. If you enable this option, you can typeset footnotes in paragraph form or in multi-columns (from two-columns to ten-columns). For more details, please read the manual of `bidi` package.

¹**Simorgh** 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>



2.4.3 Kashida Option

If you pass Kashida option to the package, you will use Kashida for stretching words for better output quality and getting rid of underfull or overfull `\hbox` messages. Note that you can not use Kashida option when you are using Nastaliq-like font (well, you still can use Kashida option when you use any Nastaliq-like font, but I can not guarantee high quality output!).

The following two commands are provided when you activate the Kashida option:

`\KashidaOn` `\KashidaOff`

☞ `\KashidaOn` enables Kashida and is active by default when Kashida option is activated.

☞ `\KashidaOff` disables Kashida.

2.4.4 quickindex Option

When you generally want to prepare index for your Persian documents, you need to first run `xelatex`, then `xindy`, and again `xelatex` on your document respectively, which is very time consuming. The `quickindex` option gives you the index with only and only one run of `xelatex`. To use this feature, you will need to run `xelatex --shell-escape` on your \TeX document; otherwise you get an error which indicates that shell escape (or `writex18`) is not enabled.

This option is now obsolete and equivalent to `quickindex-variant2` option.

2.4.5 quickindex-variant1 Option

Same as `quickindex` Option but uses variant one (in which $\tilde{}$ is grouped under $\bar{}$) for sorting Persian alphabets.

2.4.6 quickindex-variant2 Option

Same as `quickindex` Option but uses variant two (in which $\tilde{}$ is a separate letter) for sorting Persian alphabets.

2.4.7 localise Option

This option allows you to use most frequently-used \LaTeX commands and environments in Persian, almost like what \TeX -e-Parsi offers. This is still work in progress and we wish to add lots more Persian equivalents of \LaTeX and \TeX commands and environments. The Persian equivalents of \LaTeX and \TeX commands are shown in [Table 1](#), The Persian equivalents of XePersian commands are shown in [Table 2](#), Persian equivalents of \LaTeX environments are shown in [Table 3](#) and Persian equivalents of XePersian environments are shown in [Table 4](#)



Please note that the Persian equivalents of \LaTeX and \TeX commands and environments are only available after loading xepersian package. This means that you have to write all commands or environments that come before `\usepackage{xepersian}`, in its original form, i.e. `\documentclass`.

Not only you can use Persian equivalents of \LaTeX and \TeX commands and environments, but still original \LaTeX and \TeX commands and environments work too.

The \TeX \LaTeX and XePersian commands and environments and their Persian equivalents listed in Table 1, Table 2, Table 3 and Table 4 is not the whole story; If any command and environment in Table 1, Table 2, Table 3 and Table 4 have a starred version, their starred version also work. For example in Table 1, the Persian equivalent of `\chapter` is `\فصل`. I know that `\chapter` has a starred version, so this means `*\فصل` is also the Persian equivalent of `\chapter*`. Is that clear?

However there is more; you can localise any other commands/environments you want. You can use the following commands to localise your own commands/environments:

```
\eqcommand{\langle command-name in Persian \rangle}{\langle original \LaTeX command-name \rangle}
\eqenvironment{\langle environment-name in Persian \rangle}{\langle original \LaTeX environment-name \rangle}
```

Table 1: The Equivalent \LaTeX and \TeX Commands

Command in \TeX or \LaTeX	Equivalent Persian Command
<code>\@arstrut</code>	<code>\شمع جدول</code>
<code>\above</code>	<code>\فوق</code>
<code>\abovedisplaysshortskip</code>	<code>\فاصله کوتاه بالای نمایش</code>
<code>\abovedisplayskip</code>	<code>\فاصله بالای نمایش</code>
<code>\abstractname</code>	<code>\عنوان چکیده</code>
<code>\accent</code>	<code>\اکسنت</code>
<code>\active</code>	<code>\فعال</code>
<code>\addcontentsline</code>	<code>\بیفزاسطر فهرست</code>
<code>\addpenalty</code>	<code>\اضافه بر جریمه</code>
<code>\address</code>	<code>\نشانی</code>
<code>\addtocontents</code>	<code>\بیفزابه فهرست</code>
<code>\addtocounter</code>	<code>\اضافه بر شمارنده</code>
<code>\addtolength</code>	<code>\اضافه بر بعد</code>
<code>\addvspace</code>	<code>\بیفزافضای و</code>
<code>\adjdemerits</code>	<code>\تنظیم بدنمایی</code>
<code>\advance</code>	<code>\بیفزابر</code>
<code>\afterassignment</code>	<code>\بعد از انتساب</code>
<code>\aftergroup</code>	<code>\بعد از گروه</code>
<code>\aleph</code>	<code>\الف</code>
<code>\aliasfontfeature</code>	<code>\خصیصه مستعار قلم</code>
<code>\aliasfontfeatureoption</code>	<code>\انتخاب خصیصه مستعار قلم</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\allowbreak</code>	\شکستی
<code>\alloc@</code>	\تخصی@
<code>\allocationnumber</code>	\تخصیص یافته
<code>\allowdisplaybreaks</code>	\شکست نمایش مجاز
<code>\Alph</code>	\حروف بزرگ
<code>\alph</code>	\حروف کوچک
<code>\alsoname</code>	\نام همچنین
<code>\and</code>	\و
<code>\angle</code>	\زاویه
<code>\appendixname</code>	\عنوان پیوست
<code>\approx</code>	\تقریب
<code>\arabic</code>	\عربی
<code>\arg</code>	\آرگ
<code>\arrayrulecolor</code>	\رنگ خط جدول
<code>\arraycolsep</code>	\فاصله ستونهای آرایه
<code>\arrayrulewidth</code>	\ضخامت خط جدول
<code>\arraystretch</code>	\کشیدگی آرایه
<code>\AtBeginDocument</code>	\در آغاز نوشتار
<code>\AtEndDocument</code>	\در پایان نوشتار
<code>\AtEndOfClass</code>	\در انتهای طبقه
<code>\AtEndOfPackage</code>	\در انتهای سبک
<code>\author</code>	\نویسنده
<code>\backmatter</code>	\مطلب پشت
<code>\backslash</code>	\شکاف پشت
<code>\badness</code>	\بدنمایی
<code>\bar</code>	\میله
<code>\baselineskip</code>	\فاصله کرسی
<code>\baselinestretch</code>	\کشش فاصله کرسی
<code>\batchmode</code>	\پردازش دسته ای
<code>\begin</code>	\شروع
<code>\beginL</code>	\شروع چپ
<code>\beginR</code>	\شروع راست
<code>\begingroup</code>	\شروع گروه
<code>\belowdisplayshortskip</code>	\فاصله کوتاه پایین نمایش
<code>\belowdisplayskip</code>	\فاصله پایین نمایش
<code>\bf</code>	\سیاه
<code>\bfdefault</code>	\پیش فرض سیاه
<code>\bfseries</code>	\شمایل سیاه
<code>\bgroup</code>	\شرگروه
<code>\bibitem</code>	\مرجوع

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\bibliography</code>	\کتاب نامه
<code>\bibliographystyle</code>	\سبک کتاب نامه
<code>\bibname</code>	\عنوان کتاب نامه
<code>\bigskip</code>	\پرش بلند
<code>\bigskipamount</code>	\مقدار پرش بلند
<code>\botfigrule</code>	\خط پایین شناور
<code>\botmark</code>	\علامت پایین
<code>\bottompageskip</code>	\کادر تا پایین
<code>\bottomfraction</code>	\نسبت پایین
<code>\box</code>	\کادر
<code>\boxmaxdepth</code>	\حد اکثر عمق کادر
<code>\break</code>	\شکن
<code>\bullet</code>	\گلوله
<code>@cclv</code>	\دوپن@پنج
<code>@ccclvi</code>	\دوپن@شش
<code>\caption</code>	\شرح
<code>\catcode</code>	\کدرده
<code>\cc</code>	\رونوشت
<code>\ccname</code>	\نام رونوشت
<code>\cdot</code>	\نقطه وسط
<code>\cdots</code>	\نقاط وسط
<code>\centering</code>	\تنظیم از وسط
<code>\centerline</code>	\خط وسط
<code>\ch@ck</code>	\چک@ن
<code>\chapter</code>	\فصل
<code>\chaptername</code>	\عنوان فصل
<code>\char</code>	\نویسه
<code>\chardef</code>	\تعریف نویسه
<code>\CheckCommand</code>	\برسی فرمان
<code>\cite</code>	\مرجع
<code>\ClassError</code>	\خطای طبقه
<code>\ClassInfo</code>	\اطلاع طبقه
<code>\ClassWarning</code>	\هشدار طبقه
<code>\ClassWarningNoLine</code>	\هشدار طبقه بی سطر
<code>\cleaders</code>	\نشانگر مرکزی
<code>\cleardoublepage</code>	\دو صفحه پاک
<code>\clearpage</code>	\صفحه پاک
<code>\cline</code>	\خط ناپر
<code>\closein</code>	\ببندورودی
<code>\closeout</code>	\ببندخروجی

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\closing</code>	\بستن
<code>\clubpenalty</code>	\جریمه سر بند
<code>\clubsuit</code>	\خاج
<code>\colbotmark</code>	\علامت پایین ستون اول
<code>\colfirstmark</code>	\علامت اول ستون اول
<code>\color</code>	\رنگ
<code>\colorbox</code>	\کادر رنگ
<code>\coltopmark</code>	\علامت بالای ستون اول
<code>\columncolor</code>	\رنگ ستون
<code>\columnsep</code>	\بین ستون
<code>\columnwidth</code>	\پهنای ستون
<code>\columnseprule</code>	\خط بین ستون
<code>\contentsline</code>	\سطر فهرست
<code>\contentsname</code>	\عنوان فهرست مطالب
<code>\copy</code>	\کپی
<code>\copyright</code>	\حق تالیف
<code>\count</code>	\شمار
<code>\count@</code>	\شمار@
<code>\countdef</code>	\تعریف شمار
<code>\cr</code>	\سخ
<code>\crr</code>	\سخ سخ
<code>\csname</code>	\نام فرمان
<code>\CurrentOption</code>	\گزینه جاری
<code>\dashbox</code>	\کادر بینابین
<code>\dashv</code>	\بینابین ع
<code>\@date</code>	\@تاریخ
<code>\date</code>	\تاریخ
<code>\day</code>	\روز
<code>\dblbotfigrule</code>	\خط پایین شناور پهن
<code>\dblbottomfraction</code>	\نسبت پهن پایین
<code>\dblfigrule</code>	\خط بالای شناور پهن
<code>\dblfloatpagefraction</code>	\نسبت صفحه شناور پهن
<code>\dblfloatsep</code>	\فاصله بین شناور پهن
<code>\dblftntlocatecode</code>	\کد مکان غیرهما نطور
<code>\dbltextfloatsep</code>	\فاصله متن و شناور پهن
<code>\dbltopfraction</code>	\نسبت پهن بالا
<code>\DeclareFixedFont</code>	\اعلان قلم ثابت
<code>\DeclareGraphicsExtensions</code>	\اعلان پسوند گرافیک
<code>\DeclareGraphicsRule</code>	\اعلان دستور گرافیک
<code>\DeclareOldFontCommand</code>	\اعلان فرمان قلم قدیمی

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\DeclareOption</code>	<code>\اعلان گزینه</code>
<code>\DeclareRobustCommand</code>	<code>\اعلان فرمان قوی</code>
<code>\DeclareSymbolFont</code>	<code>\اعلان قلم علائم</code>
<code>\deadcycles</code>	<code>\دور بسته</code>
<code>\def</code>	<code>\تر</code>
<code>\define@key</code>	<code>\تعریف@کلید</code>
<code>\definecolor</code>	<code>\تعریف رنگ</code>
<code>\deg</code>	<code>\درجه</code>
<code>\delcode</code>	<code>\کد جداساز</code>
<code>\delimiter</code>	<code>\جداساز</code>
<code>\delimiterfactor</code>	<code>\ضریب جداساز</code>
<code>\depth</code>	<code>\گودی</code>
<code>\diamondsuit</code>	<code>\خشت</code>
<code>\dim</code>	<code>\بعد</code>
<code>\dimen</code>	<code>\بعد</code>
<code>\dimen@</code>	<code>\بعد@</code>
<code>\dimen@i</code>	<code>\بعد@یک</code>
<code>\dimen@ii</code>	<code>\بعد@دو</code>
<code>\dimendef</code>	<code>\تعریف بعد</code>
<code>\discretionary</code>	<code>\تیره گذاری</code>
<code>\displaybreak</code>	<code>\شکست نمایش</code>
<code>\displayindent</code>	<code>\تورفتگی نمایش</code>
<code>\displaystyle</code>	<code>\سبک نمایش</code>
<code>\displaywidth</code>	<code>\عرض نمایش</code>
<code>\divide</code>	<code>\تقسیم</code>
<code>\documentclass</code>	<code>\طبقه نوشتار</code>
<code>\do</code>	<code>\کن</code>
<code>\dospecials</code>	<code>\تعویض کدها</code>
<code>\dot</code>	<code>\نقطه</code>
<code>\doteq</code>	<code>\نقطه مساوی</code>
<code>\dotfill</code>	<code>\پر نقطه</code>
<code>\dots</code>	<code>\نقاط</code>
<code>\doublebox</code>	<code>\کادر دولا</code>
<code>\doublerulesepcolor</code>	<code>\رنگ فاصله دو خط جدول</code>
<code>\doublerulesep</code>	<code>\فاصله بین دو خط</code>
<code>\downarrow</code>	<code>\فلش پایین</code>
<code>\dp</code>	<code>\عمق</code>
<code>\dump</code>	<code>\تخلیه</code>
<code>\edef</code>	<code>\ترگ</code>
<code>\egroup</code>	<code>\پا گروه</code>

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\eject</code>	<code>\انتهای فاصله</code>
<code>\else</code>	<code>\اگر نه</code>
<code>\em</code>	<code>\تاکید</code>
<code>\emergencystretch</code>	<code>\کشش لاجرم</code>
<code>\emph</code>	<code>\موکد</code>
<code>\@empty</code>	<code>\@پوچ</code>
<code>\empty</code>	<code>\پوچ</code>
<code>\emptyset</code>	<code>\مجموعه پوچ</code>
<code>\end</code>	<code>\پایان</code>
<code>\endL</code>	<code>\پایان چپ</code>
<code>\endR</code>	<code>\پایان راست</code>
<code>\endcsname</code>	<code>\پایان نام فرمان</code>
<code>\endfirsthead</code>	<code>\پایان اولین سر</code>
<code>\endfoot</code>	<code>\پایان پا</code>
<code>\endgraf</code>	<code>\ته بند</code>
<code>\endgroup</code>	<code>\پایان گروه</code>
<code>\endhead</code>	<code>\پایان سر</code>
<code>\endinput</code>	<code>\پایان ورودی</code>
<code>\endlastfoot</code>	<code>\پایان آخرین پا</code>
<code>\enlargethispage</code>	<code>\گسترش این صفحه</code>
<code>\endline</code>	<code>\ته سطر</code>
<code>\endlinechar</code>	<code>\نویسه ته سطر</code>
<code>\enspace</code>	<code>\ان دوری</code>
<code>\enskip</code>	<code>\ان فاصله</code>
<code>\eqcommand</code>	<code>\فرمان جانشین</code>
<code>\eqenvironment</code>	<code>\محیط جانشین</code>
<code>\eqref</code>	<code>\ارجاع فر</code>
<code>\errhelp</code>	<code>\کمک خطا</code>
<code>\errmessage</code>	<code>\پیام خطا</code>
<code>\errorcontextlines</code>	<code>\سطر متن خطا</code>
<code>\errorstopmode</code>	<code>\پردازش توقف خطا</code>
<code>\escapechar</code>	<code>\نویسه ویژه</code>
<code>\euro</code>	<code>\یورو</code>
<code>\evensidemargin</code>	<code>\حاشیه زوج</code>
<code>\everycr</code>	<code>\هرسخ</code>
<code>\everydisplay</code>	<code>\هرنمایش</code>
<code>\everyhbox</code>	<code>\هرکادر</code>
<code>\everyjob</code>	<code>\هرکار</code>
<code>\everymath</code>	<code>\هرریاضی</code>
<code>\everypar</code>	<code>\هربند</code>

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\everyvbox</code>	<code>\هرکادرو</code>
<code>\ExecuteOptions</code>	<code>\اجرای گزینه ها</code>
<code>\exhyphenpenalty</code>	<code>\جریمه اضافی تیره بندی</code>
<code>\expandafter</code>	<code>\بگستر پس از</code>
<code>\extracolsep</code>	<code>\فاصله اضافی بین ستونها</code>
<code>\@firstofone</code>	<code>\@اولی از یک</code>
<code>\@firstoftwo</code>	<code>\@اولی از دو</code>
<code>\f@ur</code>	<code>\چ@ار</code>
<code>\fam</code>	<code>\خانواده</code>
<code>\fancy page</code>	<code>\صفحه تجملی</code>
<code>\fbox</code>	<code>\کادر با</code>
<code>\fboxrule</code>	<code>\ضخامت کادر با</code>
<code>\fboxsep</code>	<code>\حاشیه کادر با</code>
<code>\fcolorbox</code>	<code>\کادر با رنگ</code>
<code>\fi</code>	<code>\رگ</code>
<code>\figurename</code>	<code>\عنوان شکل</code>
<code>\filbreak</code>	<code>\پر شکن</code>
<code>\fill</code>	<code>\پر</code>
<code>\firstmark</code>	<code>\علامت اول</code>
<code>\flat</code>	<code>\پهن</code>
<code>\floatpagefraction</code>	<code>\نسبت صفحه شناور</code>
<code>\floatingpenalty</code>	<code>\جریمه شناور</code>
<code>\floatsep</code>	<code>\فاصله بین شناور</code>
<code>\flushbottom</code>	<code>\تنظیم از پایین</code>
<code>\fmtname</code>	<code>\شکل بندی</code>
<code>\fmtversion</code>	<code>\رده شکل بندی</code>
<code>\fnsymbol</code>	<code>\نشانه</code>
<code>\font</code>	<code>\قلم</code>
<code>\fontdimen</code>	<code>\بعد قلم</code>
<code>\fontencoding</code>	<code>\رمزینه قلم</code>
<code>\fontfamily</code>	<code>\فامیل قلم</code>
<code>\fontname</code>	<code>\نام قلم</code>
<code>\fontseries</code>	<code>\شمار قلم</code>
<code>\fontshape</code>	<code>\شکل قلم</code>
<code>\fontsize</code>	<code>\اندازه قلم</code>
<code>\footheight</code>	<code>\بلندای پایین صفحه</code>
<code>\footins</code>	<code>\درج زیر نویس</code>
<code>\footnote</code>	<code>\زیر نویس</code>
<code>\footnotemark</code>	<code>\علامت زیر نویس</code>
<code>\footnoterule</code>	<code>\خط زیر نویس</code>

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
\footnotesep	\فاصله تازیرنویس
\footnotesize	\اندازه زیرنویس
\footnotetext	\متن زیرنویس
\footskip	\فاصله تا پایین صفحه
\frame	\فریم
\framebox	\کادر با خط
\frenchspacing	\فواصل یکنواخت لاتین
\frontmatter	\مطلب پیش
\futurelet	\بعد بگذار
\@gobble	\@خورجری صانه
\@gobbletwo	\@خورجری صانه دو
\@gobblefour	\@خورجری صانه چهار
\@gtempa	\@عاقبت آ
\@gtempb	\@عاقبت ب
\gdef	\ترع
\GenericInfo	\الگوی اطلاع
\GenericWarning	\الگوی هشدار
\GenericError	\الگوی خطا
\global	\عام
\globaldefs	\تعاریف عام
\glossary	\لغت نامه
\glossaryentry	\فقره فرهنگ
\goodbreak	\خوش شکن
\graphpaper	\کاغذ گراف
\guillemotleft	\گیومه چپ
\guillemotright	\گیومه راست
\guilsinglleft	\گیومه تکی چپ
\guilsinglright	\گیومه تکی راست
\halign	\ردیف ا
\hang	\بروتو
\hangafter	\بعد از سطر
\hangindent	\تورفتگی ثابت
\hbadness	\بدنمایی ا
\hbox	\کادرا
\headheight	\بلندای سر صفحه
\headsep	\فاصله از سر صفحه
\headtoname	\سربه نام
\heartsuit	\دل
\height	\بلندا
\hfil	\پرا

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Command in T_EX or L^AT_EX Equivalent Persian Command

\hfill	\پرا
\hfilneg	\رفع پرا
\hfuzz	\پرزاقی
\hideskip	\فاصله مخفی
\hidewidth	\عرض پنهان
\hline	\خط پر
\hoffset	\حاشیه ا
\holdinginserts	\حفظ درج
\hrboxsep	\فاصله اگر
\hrule	\خط ا
\hrulefill	\پرخط ا
\hsize	\طول سطر
\hskip	\فاصله ا
\hspace	\فضای ا
\hss	\هر دو
\ht	\ارتفاع
\huge	\بزرگ
\Huge	\بزرگ تر
\hyperlink	\ابر پیوند
\hypersetup	\بارگذاری ابر
\hypertarget	\هدف ابر
\hyphenation	\تیره بندی
\hyphenchar	\نویسه تیره
\hyphenpenalty	\جریمه تیره بندی
\@ifclassloaded	\@گر کلاس فراخوانی شده
\@ifdefinable	\@گر ترش دنی
\@ifnextchar	\@گر نویسه بعدی
\@ifpackageloaded	\@گر سبک فراخوانی شده
\@ifstar	\@گر ستاره
\@ifundefined	\@گر تعریف نشده
\if	\گر
\if@tempswa	\گر@سواقت آ
\ifcase	\گرانواع
\ifcat	\گررده
\ifdefined	\گر تعریف شده
\ifdim	\گر بعد
\ifeof	\گرته پرونده
\iff	\گر
\iffalse	\گر نادرست
\IfFileExists	\گر پرونده موجود

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\ifhbox</code>	\گرکادرا
<code>\ifhmode</code>	\گرحالت ا
<code>\ifinner</code>	\گردرونی
<code>\ifmmode</code>	\گرحالت ریاضی
<code>\ifnum</code>	\گرعدد
<code>\ifodd</code>	\گرفرد
<code>\ifthenelse</code>	\گرآنگاه دیگر
<code>\iftrue</code>	\گردرست
<code>\ifvbox</code>	\گرکادرو
<code>\ifvmode</code>	\گرحالت و
<code>\ifvoid</code>	\گرتهی
<code>\ifx</code>	\گرتام
<code>\ignorespaces</code>	\فاصله خالی رانده بگير
<code>\immediate</code>	\فوری
<code>\include</code>	\شامل
<code>\includegraphics</code>	\درج تصویر
<code>\includeonly</code>	\مشمولین
<code>\indent</code>	\تورفتگی
<code>\index</code>	\درنمایه
<code>\indexentry</code>	\استعلام
<code>\indexname</code>	\عنوان نمایه
<code>\indexspace</code>	\فاصله رهنما
<code>\input</code>	\ورودی
<code>\InputIfFileExists</code>	\ورودپرونده گرموجود
<code>\inputlineno</code>	\شماره سطرورودی
<code>\insert</code>	\درج
<code>\insertpenalties</code>	\جریمه درج
<code>\interfootnotelinepenalty</code>	\جریمه بین سطرهای زیرنویس
<code>\interdisplaylinepenalty</code>	\جریمه بین سطرهای نمایش
<code>\interlinepenalty</code>	\جریمه بین سطرها
<code>\intertext</code>	\متن داخلی
<code>\intertextsep</code>	\فاصله شناورد رمتن
<code>\invisible</code>	\مخفی
<code>\itdefault</code>	\پیش فرض ای
<code>\itshape</code>	\شکل ایتالیک
<code>\item</code>	\فقره
<code>\itemindent</code>	\تورفتگی فقره
<code>\itemsep</code>	\فاصله فقره
<code>\iterate</code>	\تکرارکن
<code>\itshape</code>	\شکل ای

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\jobname</code>	<code>\نام کار</code>
<code>\jot</code>	<code>\قلب</code>
<code>\kern</code>	<code>\دوری</code>
<code>\kill</code>	<code>\الگو</code>
<code>\label</code>	<code>\برچسب</code>
<code>\labelenumi</code>	<code>\برچسب شمارش یک</code>
<code>\labelenumii</code>	<code>\برچسب شمارش دو</code>
<code>\labelenumiii</code>	<code>\برچسب شمارش سه</code>
<code>\labelenumiv</code>	<code>\برچسب شمارش چهار</code>
<code>\labelitemi</code>	<code>\برچسب فقره یک</code>
<code>\labelitemii</code>	<code>\برچسب فقره دو</code>
<code>\labelitemiii</code>	<code>\برچسب فقره سه</code>
<code>\labelitemiv</code>	<code>\برچسب فقره چهار</code>
<code>\labelsep</code>	<code>\فاصله از برچسب</code>
<code>\labelwidth</code>	<code>\پهنای برچسب</code>
<code>\language</code>	<code>\زبان</code>
<code>\large</code>	<code>\درشت</code>
<code>\Large</code>	<code>\درشت تر</code>
<code>\LARGE</code>	<code>\درشت درشت</code>
<code>\lastbox</code>	<code>\آخرین کادر</code>
<code>\lastkern</code>	<code>\آخرین دوری</code>
<code>\lastpenalty</code>	<code>\آخرین جریمه</code>
<code>\lastskip</code>	<code>\آخرین فاصله</code>
<code>\LaTeX</code>	<code>\لاتک</code>
<code>\LaTeXe</code>	<code>\لاتک ای</code>
<code>\lccode</code>	<code>\کدکوچک</code>
<code>\ldots</code>	<code>\نقاط خ</code>
<code>\leaders</code>	<code>\نشانگر</code>
<code>\leavevmode</code>	<code>\ترک و</code>
<code>\left</code>	<code>\چپ</code>
<code>\leftmargin</code>	<code>\حاشیه چپ</code>
<code>\leftmargini</code>	<code>\حاشیه چپ یک</code>
<code>\leftmarginii</code>	<code>\حاشیه چپ دو</code>
<code>\leftmarginiii</code>	<code>\حاشیه چپ سه</code>
<code>\leftmarginiv</code>	<code>\حاشیه چپ چهار</code>
<code>\leftmarginv</code>	<code>\حاشیه چپ پنج</code>
<code>\leftmarginvi</code>	<code>\حاشیه چپ شش</code>
<code>\leftmark</code>	<code>\علامت چپ</code>
<code>\leftpageskip</code>	<code>\کادر تا چپ</code>
<code>\leftskip</code>	<code>\فاصله ابتدای سطر</code>

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\let</code>	<code>\بگذار</code>
<code>\line</code>	<code>\سطر</code>
<code>\linebreak</code>	<code>\سطرشکن</code>
<code>\linepenalty</code>	<code>\جریمه سطر</code>
<code>\lineskip</code>	<code>\فاصله سطرها</code>
<code>\lineskiplimit</code>	<code>\حد فاصله سطر</code>
<code>\linespread</code>	<code>\کشش فاصله سطر</code>
<code>\linethickness</code>	<code>\ضخامت خط</code>
<code>\linewidth</code>	<code>\پهنای سطر</code>
<code>\listfigurename</code>	<code>\عنوان فهرست اشکال</code>
<code>\listfiles</code>	<code>\لیست پرونده ها</code>
<code>\listoffigures</code>	<code>\فهرست اشکال</code>
<code>\listoftables</code>	<code>\فهرست جداول</code>
<code>\listparindent</code>	<code>\تورفتگی بند لیست</code>
<code>\listtablename</code>	<code>\عنوان فهرست جداول</code>
<code>\LoadClass</code>	<code>\بارکن طبقه</code>
<code>\LoadClassWithOptions</code>	<code>\بارکن طبقه با گزینه</code>
<code>\location</code>	<code>\مکان</code>
<code>\long</code>	<code>\بلند</code>
<code>\loop</code>	<code>\حلقه</code>
<code>\looseness</code>	<code>\گسیختگی</code>
<code>\lower</code>	<code>\انتقال بپایین</code>
<code>\@makeother</code>	<code>\@دیگر</code>
<code>\@m</code>	<code>\@زار</code>
<code>\@M</code>	<code>\ده@زار</code>
<code>\@Mi</code>	<code>\ده@زاریک</code>
<code>\@Mii</code>	<code>\ده@زاردو</code>
<code>\@Miii</code>	<code>\ده@زارسه</code>
<code>\@Miv</code>	<code>\ده@زارچهار</code>
<code>\@MM</code>	<code>\بیس@زار</code>
<code>\m@ne</code>	<code>\من@ا</code>
<code>\mag</code>	<code>\بزرگ نمایی</code>
<code>\magstep</code>	<code>\گام</code>
<code>\magstephalf</code>	<code>\نیم گام</code>
<code>\mainmatter</code>	<code>\مطلب اصلی</code>
<code>\makeatletter</code>	<code>\ات حرف</code>
<code>\makeatother</code>	<code>\ات دیگر</code>
<code>\makebox</code>	<code>\کادر بی خط</code>
<code>\makeglossary</code>	<code>\ساخت فرهنگ</code>
<code>\makeindex</code>	<code>\تهیه نمایه</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\makelabel</code>	\ساخت برچسب
<code>\makelabels</code>	\ساخت برچسب ها
<code>\MakeLowercase</code>	\ساخت حروف کوچک
<code>\maketitle</code>	\عنوان ساز
<code>\MakeUppercase</code>	\ساخت حروف بزرگ
<code>\marginpar</code>	\در حاشیه
<code>\marginparpush</code>	\فاصله دو حاشیه
<code>\marginparsep</code>	\فاصله تا حاشیه
<code>\marginparwidth</code>	\پهنای حاشیه
<code>\mark</code>	\علامت
<code>\markboth</code>	\علامت در دو طرف
<code>\markright</code>	\علامت در راست
<code>\mathaccent</code>	\اعراب ریاضی
<code>\mathchar</code>	\نویسه ریاضی
<code>\mathchardef</code>	\تعریف نویسه ریاضی
<code>\mathcode</code>	\کد ریاضی
<code>\mathrm</code>	\ریاضی رومن
<code>\maxdeadcycles</code>	\حد اکثر تکرار
<code>\maxdepth</code>	\حد اکثر عمق صفحه
<code>\maxdimen</code>	\بعد بیشین
<code>\mbox</code>	\کادر بی
<code>\mdseries</code>	\شمایل نازک
<code>\meaning</code>	\معنا
<code>\mediumseries</code>	\نازک
<code>\medmuskip</code>	\فاصله متوسط ریاضی
<code>\medskip</code>	\پرش متوسط
<code>\medskipamount</code>	\مقدار پرش متوسط
<code>\medspace</code>	\فضای متوسط
<code>\message</code>	\پیام
<code>\MessageBreak</code>	\پیام شکن
<code>\minrowclearance</code>	\حد اقل فاصله ردیف
<code>\mkern</code>	\دوری ریاضی
<code>\month</code>	\ماه
<code>\moveleft</code>	\انتقال بچپ
<code>\moveright</code>	\انتقال بر راست
<code>\mskip</code>	\فاصله ریاضی
<code>\m@th</code>	\ری @ ضی
<code>\multicolumn</code>	\چند ستونی
<code>\multiply</code>	\ضرب
<code>\multispan</code>	\چند ادغام

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\muskip</code>	<code>\ميوفاصله</code>
<code>\muskipdef</code>	<code>\تعريف ميوفاصله</code>
<code>\@namedef</code>	<code>\@ترنام</code>
<code>\@nameuse</code>	<code>\@کاربردنام</code>
<code>\@ne</code>	<code>\یک@</code>
<code>\name</code>	<code>\نام</code>
<code>\natural</code>	<code>\طبيعي</code>
<code>\nearrow</code>	<code>\باريك</code>
<code>\nearrower</code>	<code>\باريکتر</code>
<code>\NeedsTeXFormat</code>	<code>\شکلبندی مورد نیاز</code>
<code>\neg</code>	<code>\منفی</code>
<code>\negmedspace</code>	<code>\فضای متوسط منفی</code>
<code>\negthickspace</code>	<code>\فضای ضخیم منفی</code>
<code>\negthinspace</code>	<code>\دوری کوچک منفی</code>
<code>\newboolean</code>	<code>\بولی نو</code>
<code>\newbox</code>	<code>\کادر جدید</code>
<code>\newcommand</code>	<code>\فرمان نو</code>
<code>\newcount</code>	<code>\شمار جدید</code>
<code>\newcounter</code>	<code>\شمارنده جدید</code>
<code>\newdimen</code>	<code>\بعد جدید</code>
<code>\newenvironment</code>	<code>\محیط نو</code>
<code>\newfam</code>	<code>\خانواده جدید</code>
<code>\newfont</code>	<code>\قلم نو</code>
<code>\newhelp</code>	<code>\کمک جدید</code>
<code>\newif</code>	<code>\گر جدید</code>
<code>\newinsert</code>	<code>\درج جدید</code>
<code>\newlabel</code>	<code>\برچسب جدید</code>
<code>\newlength</code>	<code>\تعریف بعد جدید</code>
<code>\newline</code>	<code>\سطر جدید</code>
<code>\newlinechar</code>	<code>\نویسه سطر جدید</code>
<code>\newmuskip</code>	<code>\ميوفاصله جديد</code>
<code>\newpage</code>	<code>\صفحه جديد</code>
<code>\newread</code>	<code>\بخوان جديد</code>
<code>\newsavebox</code>	<code>\تعريف کادر جديد</code>
<code>\newskip</code>	<code>\فاصله جديد</code>
<code>\newtheorem</code>	<code>\قضيه جديد</code>
<code>\newtoks</code>	<code>\جزء جديد</code>
<code>\newwrite</code>	<code>\بنويس جديد</code>
<code>\noalign</code>	<code>\بی ردیف</code>
<code>\nobreak</code>	<code>\نشکن</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\nobreakspace</code>	\فاصله نشکستی
<code>\nocite</code>	\بدون سند
<code>\noexpand</code>	\نگستر
<code>\nofiles</code>	\بدون پرونده
<code>\noindent</code>	\بدون تورفتگی
<code>\nointerlineskip</code>	\بی فاصله سطر
<code>\nolimits</code>	\بدون حد
<code>\nolinebreak</code>	\سطرنشکن
<code>\nonstopmode</code>	\پردازش بدون توقف
<code>\nonfrenchspacing</code>	\فواصل متعارف لاتین
<code>\nonumber</code>	\بدون شماره
<code>\nopagebreak</code>	\صفحه نشکن
<code>\normalbaselines</code>	\کرسیهای متعارف
<code>\normalbaselineskip</code>	\فاصله کرسی متعارف
<code>\normalcolor</code>	\رنگ عادی
<code>\normalfont</code>	\قلم عادی
<code>\normallineskip</code>	\فاصله سطرمتعارف
<code>\normallineskiplimit</code>	\حد فاصله سطرمتعارف
<code>\normalmarginpar</code>	\در حاشیه عادی
<code>\normalsize</code>	\اندازه عادی
<code>\notag</code>	\بدون اتیکت
<code>\null</code>	\نول
<code>\nullfont</code>	\قلم تهی
<code>\number</code>	\عدد
<code>\numberline</code>	\سطر عددی
<code>\numberwithin</code>	\شماره مطابق
<code>\@evenfoot</code>	\پایین صفحه زوج
<code>\@evenhead</code>	\بالای صفحه زوج
<code>\@oddfoot</code>	\پایین صفحه فرد
<code>\@oddhead</code>	\بالای صفحه فرد
<code>\@outeqntrue</code>	\شماره بیرون درست
<code>\@outeqnfalse</code>	\شماره بیرون نادرست
<code>\obeylines</code>	\سطر به سطر
<code>\obeyspaces</code>	\فضا فعال
<code>\oddsidemargin</code>	\حاشیه فرد
<code>\offinterlineskip</code>	\سطور بی فاصله
<code>\omit</code>	\حذف
<code>\@onlypreamble</code>	\@تنها در پیش درآمد
<code>\onecolumn</code>	\یک ستون
<code>\onlynotes</code>	\تنها یادداشت ها

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
\onlyslides	\تنها اسلایدها
\openin	\بازکن ورودی
\openout	\بازکن خروجی
\OptionNotUsed	\گزینه مصرف نشده
\or	\یا
\outer	\برونی
\output	\صفحه بندی
\outputpenalty	\جریمه صفحه بندی
\overfullrule	\علامت سرریز
\@preamblecmds	\@فرمان های پیش در آمد
\p@	\@پو
\PackageError	\خطای سبک
\PackageInfo	\اطلاع سبک
\PackageWarning	\هشدار سبک
\PackageWarningNoLine	\هشدار سبک بی سطر
\pagebreak	\صفحه شکن
\pagecolor	\رنگ صفحه
\pagedepth	\عمق صفحه
\pagefilllstretch	\کشش پررر صفحه
\pagefillstretch	\کشش پرر صفحه
\pagefilstretch	\کشش پرر صفحه
\pagegoal	\غایت صفحه
\pagename	\نام صفحه
\pagenumbering	\شماره گذاری صفحه
\pageref	\ارجوع صفحه
\pagerulewidth	\ضخامت خط صفحه
\pageshrink	\فشرده گی صفحه
\pagestretch	\کشش صفحه
\pagestyle	\سبک صفحه
\pagetotal	\جمع صفحه
\paperheight	\بلندای کاغذ
\paperwidth	\پهنای کاغذ
\par	\بند
\paragraph	\پاراگراف
\parallel	\موازی
\parbox	\کادر پار
\parfillskip	\فاصله ته بند
\parindent	\تورفتگی سر بند
\parsep	\فاصله بند لیست
\parshape	\شکل بند

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\parskip</code>	<code>\فاصله‌بند</code>
<code>\part</code>	<code>\بخش</code>
<code>\partname</code>	<code>\عنوان‌بخش</code>
<code>\partopsep</code>	<code>\فاصله‌بالای لیست‌بند</code>
<code>\PassOptionToClass</code>	<code>\ارسال گزینه به کلاس</code>
<code>\PassOptionToPackage</code>	<code>\ارسال گزینه به پکیج</code>
<code>\path</code>	<code>\مسیر</code>
<code>\patterns</code>	<code>\الگوها</code>
<code>\pausing</code>	<code>\مکث</code>
<code>\penalty</code>	<code>\جریمه</code>
<code>\phantom</code>	<code>\غیب</code>
<code>\poptabs</code>	<code>\الگوی قبلی</code>
<code>\postdisplaypenalty</code>	<code>\جریمه پس نمایش</code>
<code>\predisplaydirection</code>	<code>\جهت پیش نمایش</code>
<code>\predisplaypenalty</code>	<code>\جریمه پیش نمایش</code>
<code>\predisplaysize</code>	<code>\اندازه پیش نمایش</code>
<code>\pretolerance</code>	<code>\پیش حد بدنمایی</code>
<code>\prevdepth</code>	<code>\عمق قبلی</code>
<code>\prevgraf</code>	<code>\بند قبلی</code>
<code>\printindex</code>	<code>\نمایه در اینجا</code>
<code>\ProcessOptions</code>	<code>\پردازش گزینه ها</code>
<code>\protect</code>	<code>\تأمین</code>
<code>\providecommand</code>	<code>\تهیه فرمان</code>
<code>\ProvidesClass</code>	<code>\آماده سازی طبقه</code>
<code>\ProvidesFile</code>	<code>\آماده سازی پرونده</code>
<code>\ProvidesPackage</code>	<code>\آماده سازی سبک</code>
<code>\pushtabs</code>	<code>\ثبت الگو</code>
<code>\quad</code>	<code>\کواد</code>
<code>\qqquad</code>	<code>\کو کواد</code>
<code>\@outputpagerestore</code>	<code>\@بازآیی خروج صفحه</code>
<code>\radical</code>	<code>\رادیكال</code>
<code>\raggedbottom</code>	<code>\پایین بی تنظیم</code>
<code>\raggedleft</code>	<code>\تنظیم از راست</code>
<code>\raggedright</code>	<code>\تنظیم از چپ</code>
<code>\raise</code>	<code>\انتقال ببالا</code>
<code>\raisebox</code>	<code>\بالا بر</code>
<code>\raisetag</code>	<code>\ترفع اتیكت</code>
<code>\rangle</code>	<code>\زاویه ر</code>
<code>\rceil</code>	<code>\سقف ر</code>
<code>\read</code>	<code>\بخوان</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\ref</code>	<code>\رجوع</code>
<code>\reflectbox</code>	<code>\کادرقرینه</code>
<code>\refname</code>	<code>\عنوان مراجع</code>
<code>\refstepcounter</code>	<code>\گام شمارنده مرجع</code>
<code>\relax</code>	<code>\راحت</code>
<code>\removeatlastskip</code>	<code>\رفع آخرین فاصله</code>
<code>\renewcommand</code>	<code>\فرمان ازنو</code>
<code>\renewenvironment</code>	<code>\محیط ازنو</code>
<code>\repeat</code>	<code>\ازنو</code>
<code>\RequirePackage</code>	<code>\سبک موردنیاز</code>
<code>\RequirePackageWithOptions</code>	<code>\سبک موردنیاز با گزینه</code>
<code>\resizebox</code>	<code>\کادرکشیده</code>
<code>\reversemarginpar</code>	<code>\در حاشیه معکوس</code>
<code>\rfloor</code>	<code>\کف ر</code>
<code>\right</code>	<code>\راست</code>
<code>\rightmargin</code>	<code>\حاشیه راست</code>
<code>\rightmark</code>	<code>\علامت راست</code>
<code>\rightpageskip</code>	<code>\کادر تا راست</code>
<code>\rightskip</code>	<code>\فاصله انتهای سطر</code>
<code>\rmdefault</code>	<code>\رومن عادی</code>
<code>\rmfamily</code>	<code>\فامیل رومن</code>
<code>\Roman</code>	<code>\رومن بزرگ</code>
<code>\roman</code>	<code>\رومن کوچک</code>
<code>\romannumeral</code>	<code>\عدد رومی</code>
<code>\rotatebox</code>	<code>\کادر چرخان</code>
<code>\rowcolor</code>	<code>\رنگ ردیف</code>
<code>\rule</code>	<code>\خط</code>
<code>\@secondoftwo</code>	<code>\@دومی ازدو</code>
<code>\@spaces</code>	<code>\@فضاها</code>
<code>\samepage</code>	<code>\همین صفحه</code>
<code>\savebox</code>	<code>\مقدار کادر</code>
<code>\sbox</code>	<code>\مقکادر</code>
<code>\scalebox</code>	<code>\کادر اندازه</code>
<code>\scdefault</code>	<code>\پیش فرض تمام بزرگ</code>
<code>\scshape</code>	<code>\شکل تمام بزرگ</code>
<code>\scriptfont</code>	<code>\قلم توان</code>
<code>\scriptscriptfont</code>	<code>\قلم توان توان</code>
<code>\scriptscriptstyle</code>	<code>\سبک ته نوشت ته نوشت</code>
<code>\scriptsize</code>	<code>\اندازه پانویس</code>
<code>\scriptstyle</code>	<code>\سبک ته نوشت</code>

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\scrollmode</code>	<code>\پردازش‌گذری</code>
<code>\section</code>	<code>\قسمت</code>
<code>\secdef</code>	<code>\تعریف‌قسمت</code>
<code>\see</code>	<code>\ببینید</code>
<code>\seealso</code>	<code>\نیز‌ببینید</code>
<code>\seename</code>	<code>\نام‌ببینید</code>
<code>\selectfont</code>	<code>\قلم‌بردار</code>
<code>\setboolean</code>	<code>\تنظیم‌بولی</code>
<code>\setbox</code>	<code>\در‌کادر</code>
<code>\setcounter</code>	<code>\مقدار‌شمارنده</code>
<code>\setkeys</code>	<code>\مقدار‌کلیدها</code>
<code>\setlength</code>	<code>\مقدار‌بعد</code>
<code>\setminus</code>	<code>\تنظیم‌منها</code>
<code>\SetSymbolFont</code>	<code>\تعریف‌قلم‌علائم</code>
<code>\settodepth</code>	<code>\تنظیم‌به‌عمق</code>
<code>\settoheight</code>	<code>\تنظیم‌به‌ارتفاع</code>
<code>\settowidth</code>	<code>\مقدار‌بعد‌به‌اندازه</code>
<code>\sfcode</code>	<code>\کد‌ضریب‌فاصله</code>
<code>\sfdefault</code>	<code>\پیش‌فرض‌س‌ف</code>
<code>\sffamily</code>	<code>\فامیل‌سن‌س‌ریف</code>
<code>\shadowbox</code>	<code>\کادر‌سایه‌دار</code>
<code>\sharp</code>	<code>\تیز</code>
<code>\shipout</code>	<code>\بفرست</code>
<code>\shortstack</code>	<code>\پشته‌کوتاه</code>
<code>\show</code>	<code>\نمایش‌ده</code>
<code>\showbox</code>	<code>\نمایش‌ده‌کادر</code>
<code>\showboxbreadth</code>	<code>\میزان‌نمایش‌کادر</code>
<code>\showboxdepth</code>	<code>\عمق‌نمایش‌کادر</code>
<code>\showlists</code>	<code>\نمایش‌ده‌لیستها</code>
<code>\showthe</code>	<code>\نمایش‌ده‌محتوای</code>
<code>\simplefontmode</code>	<code>\حالت‌ساده‌قلم</code>
<code>\sist@n</code>	<code>\شانزد@</code>
<code>\skewchar</code>	<code>\نویسه‌اریب</code>
<code>\skip</code>	<code>\فاصله</code>
<code>\skip@</code>	<code>\فاصل@</code>
<code>\skipdef</code>	<code>\تعریف‌فاصله</code>
<code>\sl</code>	<code>\خوابیده</code>
<code>\sldefault</code>	<code>\پیش‌فرض‌خو</code>
<code>\slshape</code>	<code>\شکل‌خوابیده</code>
<code>\sloppy</code>	<code>\راحت‌چین</code>

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\slshape</code>	\شمايل خو
<code>\small</code>	\کو چک
<code>\smallskip</code>	\پرش کوتاه
<code>\smallskipamount</code>	\مقدار پرش کوتاه
<code>\smash</code>	\کوب
<code>\smile</code>	\لبخند
<code>\snglftlocatencode</code>	\کدمکان همانطور
<code>\space</code>	\فضا
<code>\spacefactor</code>	\ضریب فاصله
<code>\spaceskip</code>	\فاصله کلمات
<code>\spadesuit</code>	\پیک
<code>\span</code>	\ادغام
<code>\special</code>	\ویژه
<code>\splitmaxdepth</code>	\حد اکثر عمق ستون
<code>\splittopskip</code>	\فاصله بالای ستون
<code>\star</code>	\ستاره
<code>\stepcounter</code>	\گام شمارنده
<code>\stretch</code>	\کشی
<code>\string</code>	\رشته
<code>\strut</code>	\شمع
<code>\strutbox</code>	\کادر شمع
<code>\subitem</code>	\زیر بند
<code>\subparagraph</code>	\زیر پاراگراف
<code>\subsection</code>	\زیر قسمت
<code>\substack</code>	\زیر پشته
<code>\subsubitem</code>	\زیر زیر بند
<code>\subsubsection</code>	\زیر زیر قسمت
<code>\subset</code>	\زیر مجموعه
<code>\subseteq</code>	\زیر مجموعه مسا
<code>\supereject</code>	\منتهای صفحه
<code>\suppressfloats</code>	\حذف مکان شناور
<code>\@tempa</code>	\@موقت آ
<code>\@tempb</code>	\@موقت ب
<code>\@tempc</code>	\@موقت پ
<code>\@tempd</code>	\@موقت ت
<code>\@tempe</code>	\@موقت ث
<code>\@tempboxa</code>	\@کادرقت آ
<code>\@tempcnta</code>	\@شماقت آ
<code>\@tempcntb</code>	\@شماقت ب
<code>\@tempdima</code>	\@بعدقت آ

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Command in T_EX or L^AT_EX Equivalent Persian Command

\@tempdimb	\@بعدقتب
\@tempdimc	\@بعدقتپ
\@tempskipa	\@فاقتآ
\@tempskipb	\@فاقتب
\@tempswafalse	\@سواقتآنادرست
\@tempswatrue	\@سواقتآدرست
\@temptokena	\@جزقتآ
\@thefnmark	\انگ زیرنویس
\@thirdofthree	\@سومی ازسه
\tabbingsep	\فاصله جاگذاری
\tabcolsep	\فاصله بین ستونها
\tableofcontents	\فهرست مطالب
\tablename	\عنوان جدول
\tabskip	\فاصله ستونها
\tabularnewline	\ته سطرجدول
\tag	\اتیکت
\telephone	\تلفن
\TeX	\تک
\text	\متن
\textbullet	\گلوله متنی
\textfont	\قلم متن
\textemdash	\ام دش متنی
\textendash	\ان دش متنی
\textexclamdown	\تعجب وارونه متنی
\textperiodcentered	\نقطه وسط متنی
\textquestiondown	\سوال وارونه متنی
\textquotedblleft	\نقل چپ متنی دولا
\textquotedblright	\نقل راست متنی دولا
\textquoteleft	\نقل متنی چپ
\textquoteright	\نقل متنی راست
\textvisiblespace	\فضای نمایان متنی
\textbackslash	\شکافت پشت متنی
\textbar	\میله متنی
\textgreater	\بزرگ ترممتنی
\textless	\کمترمتنی
\textbf	\متن سیاه
\textcircled	\مدورمتنی
\textcolor	\رنگ متن
\textcompwordmark	\نشان کلمه مرکب متن
\textfloatsep	\فاصله متن و شناور

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\textfraction</code>	\نسبت متن
<code>\textheight</code>	\بلندای متن
<code>\textindent</code>	\متن تورفته
<code>\textit</code>	\متن ایتالیک
<code>\textmd</code>	\متن نازک
<code>\textnormal</code>	\متن نرمال
<code>\textregistered</code>	\ثبتي متني
<code>\textrm</code>	\متن رومن
<code>\textsc</code>	\متن تمام بزرگ
<code>\textsf</code>	\متن سن سریف
<code>\textsl</code>	\متن خوابیده
<code>\textstyle</code>	\سبك متني
<code>\textsuperscript</code>	\بالا نويس متني
<code>\texttrademark</code>	\علامت تجاري متني
<code>\texttt</code>	\متن تایپ
<code>\textup</code>	\متن ایستاده
<code>\textwidth</code>	\پهنای متن
<code>\thanks</code>	\زیرنویس عنوان
<code>\the</code>	\محتوای
<code>\thempfn</code>	\این زیرنویس
<code>\thicklines</code>	\خط ها ضخیم
<code>\thickmuskip</code>	\فاصله زیاد ریاضی
<code>\thinmuskip</code>	\فاصله کم ریاضی
<code>\thickspace</code>	\فضا ضخیم
<code>\thinlines</code>	\خط ها نازک
<code>\thinspace</code>	\دوری کوچک
<code>\thisfancy page</code>	\این صفحه تجملی
<code>\thispage style</code>	\سبك این صفحه
<code>\thr@@</code>	\سه @
<code>\tilde</code>	\مد
<code>\tiny</code>	\ظریف
<code>\time</code>	\زمان
<code>\times</code>	\ضرب در
<code>\title</code>	\عنوان
<code>\to</code>	\به
<code>\today</code>	\امروز
<code>\toks</code>	\جزء
<code>\toksdef</code>	\تعریف جزء
<code>\tolerance</code>	\حد بدنامی
<code>\top</code>	\بالا

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\topfigrule</code>	<code>\خط بالای شناور</code>
<code>\topfraction</code>	<code>\نسبت بالا</code>
<code>\topmargin</code>	<code>\حاشیه بالا</code>
<code>\topmark</code>	<code>\علامت بالا</code>
<code>\toppageskip</code>	<code>\کادر تا بالا</code>
<code>\topsep</code>	<code>\فاصله بالای لیست</code>
<code>\topskip</code>	<code>\فاصله بالا</code>
<code>\totalheight</code>	<code>\بلندای کل</code>
<code>\tracingall</code>	<code>\ردگیری کل</code>
<code>\tracingcommands</code>	<code>\ردگیری فرامین</code>
<code>\tracinglostchars</code>	<code>\ردگیری حروف</code>
<code>\tracingmacros</code>	<code>\ردگیری ماکروها</code>
<code>\tracingonline</code>	<code>\ردگیری نمایشی</code>
<code>\tracingoutput</code>	<code>\ردگیری صفحه بندی</code>
<code>\tracingpages</code>	<code>\ردگیری صفحات</code>
<code>\tracingparagraphs</code>	<code>\ردگیری بندها</code>
<code>\tracingrestores</code>	<code>\ردگیری بازگردانی</code>
<code>\tracingstats</code>	<code>\ردگیری آمارها</code>
<code>\triangle</code>	<code>\مثلث</code>
<code>\ttdefault</code>	<code>\پیش فرض تایپ</code>
<code>\ttfamily</code>	<code>\فامیل تایپ</code>
<code>\tw@</code>	<code>\دو@</code>
<code>\twocolumn</code>	<code>\دو ستون</code>
<code>\typein</code>	<code>\در نویسی</code>
<code>\typeout</code>	<code>\بر نویسی</code>
<code>\uccode</code>	<code>\کد بزرگ</code>
<code>\uchyph</code>	<code>\تیره بندی بزرگ</code>
<code>\undefined</code>	<code>\تعریف نشده</code>
<code>\underline</code>	<code>\زیر خط</code>
<code>\unhbox</code>	<code>\بی کادر</code>
<code>\unhcopy</code>	<code>\بی کپی</code>
<code>\unitlength</code>	<code>\واحد طول</code>
<code>\unkern</code>	<code>\برگشت دوری</code>
<code>\unpenalty</code>	<code>\برگشت جریمه</code>
<code>\unskip</code>	<code>\برگشت فاصله</code>
<code>\unvbox</code>	<code>\بی کادرو</code>
<code>\unvcopy</code>	<code>\بی کپی و</code>
<code>\updefault</code>	<code>\پیش فرض ایستاده</code>
<code>\upshape</code>	<code>\شکل ایستاده</code>
<code>\usebox</code>	<code>\از کادر</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
\usecounter	\باشمارشگر
\usefont	\گزینه‌ش قلم
\usepackage	\سبک لازم
\@vobeyspaces	\@فضاهای فعال
\@void	\@تهی
\vadjust	\تنظیم و
\valign	\ردیف و
\value	\محتوای شمارنده
\vbadness	\بدنمایی و
\vbox	\کادر و
\vcenter	\کادر وسط
\verb	\همانطور
\vfil	\پرو
\vfill	\پررو
\vfilneg	\رفع پرو
\vfuzz	\پر زعمودی
\visible	\نمایان
\vline	\خط عمود
\voffset	\حاشیه و
\voidb@x	\ک@در تهی
\vpageref	\ارجاع صفحه ع
\vrbboxsep	\فاصله وگرد
\vref	\ارجاع ع
\vrule	\خط و
\vsize	\طول صفحه
\vskip	\فاصله و
\vspace	\فضای و
\vsplit	\شکست و
\vss	\هر دو و
\vtop	\کادر گود
\wd	\عرض
\whiledo	\مادام بکن
\widehat	\کلاه پهن
\widetilde	\مد پهن
\widowpenalty	\جریمه ته بند
\width	\پهنا
\wlog	\در کارنامه
\write	\بنویس
\@xobeysp	\@فضای لاتین
\@xxxii	\سی@دو

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\xdef</code>	<code>\ترگع</code>
<code>\xleaders</code>	<code>\نشانگر گسترشی</code>
<code>\xspaceskip</code>	<code>\فاصله اضافی کلمات</code>
<code>\year</code>	<code>\سال</code>
<code>\z@</code>	<code>\@فر</code>
<code>\z@skip</code>	<code>\@فر فاصله</code>

Table 2: The Equivalent XePersian Commands

Command in XePersian	Equivalent Persian Command
<code>\autofootnoterule</code>	<code>\خط زیرنویس خودکار</code>
<code>\AutoMathsDigits</code>	<code>\اعداد فرمولها خودکار</code>
<code>\DefaultMathsDigits</code>	<code>\اعداد فرمولها لاتین</code>
<code>\deflatinfont</code>	<code>\تعریف قلم لاتین</code>
<code>\defpersianfont</code>	<code>\تعریف قلم پارسی</code>
<code>\hboxL</code>	<code>\کادر اچپ</code>
<code>\hboxR</code>	<code>\کادر راست</code>
<code>\keyval@eq@alias@key</code>	<code>\معادل@کلید</code>
<code>\Latincite</code>	<code>\مرجع لاتین</code>
<code>\latinfont</code>	<code>\قلم لاتین</code>
<code>\latintoday</code>	<code>\امروز لاتین</code>
<code>\leftfootnoterule</code>	<code>\خط زیرنویس چپ</code>
<code>\lr</code>	<code>\متن لاتین</code>
<code>\LRE</code>	<code>\چپ براست</code>
<code>\LTRdblcol</code>	<code>\دوستونی چپ</code>
<code>\LTRfootnote</code>	<code>\پانویس</code>
<code>\LTRfootnotetext</code>	<code>\متن پانویس</code>
<code>\LTRthanks</code>	<code>\پانویس عنوان</code>
<code>\persianday</code>	<code>\روز پارسی</code>
<code>\persianfont</code>	<code>\قلم پارسی</code>
<code>\PersianMathsDigits</code>	<code>\اعداد فرمولها پارسی</code>
<code>\persianmonth</code>	<code>\ماه پارسی</code>
<code>\persianyear</code>	<code>\سال پارسی</code>
<code>\plq</code>	<code>\علامت چپ نقل قول پارسی</code>
<code>\prq</code>	<code>\علامت راست نقل قول پارسی</code>
<code>\rightfootnoterule</code>	<code>\خط زیرنویس راست</code>
<code>\rl</code>	<code>\متن پارسی</code>
<code>\RLE</code>	<code>\راست بچپ</code>
<code>\RTLdblcol</code>	<code>\دوستونی راست</code>
<code>\RTLfootnote</code>	<code>\پانویست</code>

Continued on next page



Command in XePersian	Equivalent Persian Command
<code>\RTLfootnotetext</code>	\متن پانوشته
<code>\RTLthanks</code>	\پانوشته عنوان
<code>\@SepMark</code>	\@علامت بین
<code>\SepMark</code>	\علامت بین
<code>\setdefaultbibitems</code>	\بگذار امرجوعات عادی
<code>\setdefaultmarginpar</code>	\بگذار در حاشیه عادی
<code>\setdigitfont</code>	\گزینش قلم اعداد فرمولها
<code>\setfootnoteLR</code>	\بگذار زیرنویس چپ
<code>\setfootnoteRL</code>	\بگذار زیرنویس راست
<code>\setlatintextfont</code>	\گزینش قلم لاتین متن
<code>\setLTR</code>	\بگذار متن چپ
<code>\setLTRbibitems</code>	\بگذار امرجوعات چپ
<code>\setLTRmarginpar</code>	\بگذار در حاشیه چپ
<code>\setRTL</code>	\بگذار متن راست
<code>\setRTLbibitems</code>	\بگذار امرجوعات راست
<code>\setRTLmarginpar</code>	\بگذار در حاشیه راست
<code>\settextfont</code>	\گزینش قلم متن
<code>\textwidthfootnoterule</code>	\خط زیرنویس پهنای متن
<code>\twocolumnstableofcontents</code>	\فهرست مطالب دو ستونی
<code>\unsetfootnoteRL</code>	\نگذار زیرنویس راست
<code>\unsetLTR</code>	\نگذار متن چپ
<code>\unsetRTL</code>	\نگذار متن راست
<code>\vboxL</code>	\کادر واز چپ
<code>\vboxR</code>	\کادر واز راست
<code>\XeLaTeX</code>	\زی لاتک
<code>\XePersian</code>	\زی پرشین
<code>\xepersianversion</code>	\گونه زی پرشین
<code>\xepersiandate</code>	\تاریخ گونه زی پرشین
<code>\XeTeX</code>	\زی تک

Table 3: The Equivalent \LaTeX Environments

Environment in \LaTeX	Equivalent Persian Environment
<code>abstract</code>	چکیده
<code>appendix</code>	پیوست
<code>array</code>	آرایه
<code>center</code>	وسط چین
<code>description</code>	توضیح
<code>displaymath</code>	ریاضی نمایشی
<code>document</code>	نوشتار
<code>enumerate</code>	شمارش
<code>figure</code>	شکل

Continued on next page



Environment in \LaTeX	Equivalent Persian Environment
figure*	شکل*
filecontents	محتوای پرونده
filecontents*	محتوای پرونده*
flushleft	چپ چین
flushright	راست چین
itemize	فقرات
letter	نامه
list	لیست
longtable	جدول دراز
lrbox	کادر رج
math	ریاضی
matrix	ماتریس
minipage	صفحه کوچک
multicols	چندستونی ها
multline	چند خطی
note	یادداشت
overlay	انباشتن
picture	تصویر
quotation	اقتباس
quote	نقل
slide	اسلاید
sloppypar	پارنا مرتب
split	شکافتن
subarray	زیر آرایه
tabbing	جاگذاری
table	لوح
table*	لوح*
tabular	جدول
tabular*	جدول*
thebibliography	مراجع
theindex	محتوای نمایه
titlepage	صفحه عنوان
trivlist	لیست بدوی
verbatim	همانطور که هست
verbatim*	همانطور که هست*
verse	شعر

Table 4: The Equivalent XePersian Environments

Environment in XePersian	Equivalent Persian Environment
latin	لاتین
LTR	متن چپ

Continued on next page



Environment in XePersian	Equivalent Persian Environment
LTRitems	دسته‌بندی چپ
persian	پارسی
RTL	متن راست
RTLitems	دسته‌بندی راست

Localisation of position arguments. Some environments like `tabular` and some commands like `\parbox` have an argument which specifies the position. Table [Table 5](#) shows their localisations.

Table 5: The Equivalent \LaTeX position arguments

Position argument in \LaTeX	Equivalent Persian position argument
b	ز
c	و
C	س
h	ا
H	آ
J	ت
l	چ
L	ف
m	م
p	پ
P	ص
r	ر
R	ا
s	ک
t	ب

☞ There are two ps in [Table 5](#), first p and its Persian equivalent پ stand for paragraph (used in `tabular` and similar environments) and the second p and its Persian equivalent ص stand for page (used in float-like environments).

2.4.8 Localizations of the keys and key values of `graphicx` package

The equivalent Persian keys and key values of `graphicx` package is shown in [Table 6](#) and [Table 7](#) respectively.

Table 6: Persian Equivalent keys of `graphicx` package

Original Key	Equivalent Persian Key
draft	پیش نویس
origin	مبدأ
clip	بی اضافه
keepaspectratio	حفظ تناسب
natwidth	پهنای طبیعی

Continued on next page



Original Key	Equivalent Persian Key
natheight	بلندای طبیعی
bb	مختصات
viewport	محدوده نمایش
trim	حذف اطراف
angle	زاویه
width	پهنا
height	بلندا
totalheight	بلندای کل
scale	ضریب
type	نوع
ext	پسوند
read	خواندنی
command	فرمان
x	طول
y	عرض
units	واحد

Table 7: Persian Equivalent key values of graphicx package

Original Key value	Equivalent Persian Key value
b	ز
B	ک
false	نادرست
l	چ
r	ر
t	ب
true	درست

2.4.9 Localizations of font features and font feature options

The equivalent Persian font features and font feature options is shown in [Table 8](#) and [Table 9](#) respectively.

Table 8: Persian Equivalent font features

Original font feature	Equivalent Persian font feature
ExternalLocation	مکان خارجی
ExternalLocation	مسیر
Renderer	تحويل دهنده
BoldFont	قلم سیاه
Language	زبان
Script	خط
UprightFont	قلم عمودی
ItalicFont	قلم ایتالیک

Continued on next page



Original font feature	Equivalent Persian font feature
BoldItalicFont	قلم ایتالیک سیاه
SlantedFont	قلم خوابیده
BoldSlantedFont	قلم خوابیده سیاه
SmallCapsFont	قلم کلاه کوچک
UprightFeatures	ویژگی های قلم عمودی
BoldFeatures	ویژگی های قلم سیاه
ItalicFeatures	ویژگی های قلم ایتالیک
BoldItalicFeatures	ویژگی های قلم ایتالیک سیاه
SlantedFeatures	ویژگی های قلم خوابیده
BoldSlantedFeatures	ویژگی های قلم خوابیده سیاه
SmallCapsFeatures	ویژگی های قلم کلاه کوچک
SizeFeatures	ویژگی های اندازه
Scale	ضریب
WordSpace	فضای کلمه
PunctuationSpace	فضای نقطه گذاری
FontAdjustment	تنظیم قلم
LetterSpace	فضای حرف
HyphenChar	نویسه تیره
Color	رنگ
Opacity	کدری
Mapping	نگاشت
Weight	سنگینی
Width	پهنا
OpticalSize	اندازه چشمی
FakeSlant	خوابیده تقلبی
FakeStretch	کشش تقلبی
FakeBold	سیاه تقلبی
AutoFakeSlant	خوابیده تقلبی خودکار
AutoFakeBold	سیاه تقلبی خودکار
Ligatures	دو یا چند حرف متصل به هم
Alternate	متناوب
Variant	گوناگون
Variant	مجموعه سبکی
CharacterVariant	گوناگونی نویسه
Style	سبک
Annotation	یادداشت
RawFeature	ویژگی های کال
CharacterWidth	پهنای نویسه
Numbers	ارقام
Contextuals	متنی

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Original font feature	Equivalent Persian font feature
Diacritics	تفکیک کننده ها
Letters	حروف
Kerning	دوری
VerticalPosition	موقعیت عمودی
Fractions	کسر

Table 9: Persian Equivalent font feature options

font feature	font feature option	Persian font feature option
Language	Default	پیش فرض
Language	Parsi	پارسی
Script	Parsi	پارسی
Script	Latin	لاتین
Style	MathScript	اسکرپیت ریاضی
Style	MathScriptScript	اسکرپیت اسکرپیت ریاضی

2.5 A Sample Input T_EX File

```

1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \title{یک سند نمونه}
5 \author{نام نویسنده}
6 \begin{document}
7 \maketitle
8 \tableofcontents
9 \part{عنوان بخش}
10 ...
11 \section{عنوان قسمت}
12 ...
13 \subsection{عنوان زیرقسمت}
14 ...
15 \subsubsection{عنوان زیر زیر قسمت}
16 ...
17 \end{document}

```

2.6 Font Commands



2.6.1 Basic Font Commands

```
\settextfont [Options] {\font name}  
\setlatintextfont [Options] {\font name}  
\setdigitfont [Options] {\font name}  
\setmathsfdigitfont [Options] {\font name}  
\setmathttdigitfont [Options] {\font name}
```

- ☞ Options in any font command in this documentation are anything that fontspec package provides as the option of loading fonts, except Script and Mapping.
- ☞ `\settextfont` will choose the default font for Persian texts of your document.
- ☞ `\setlatintextfont` will choose the font for Latin texts of your document. If you do not use this command at all, the default T_EX font (fonts used in this documentation) will be used for Latin texts of your document.
- ☞ `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.
- ☞ `\setmathsfdigitfont` will choose the Persian font for digits in math mode inside `\mathsf`. By using this command, digits in math mode inside `\mathsf` will appear in Persian form and if you do not use this command at all, you will get default T_EX font for digits in math mode inside `\mathsf` and digits appear in their original form (Western).
- ☞ `\setmathttdigitfont` will choose the Persian font for digits in math mode inside `\mathtt`. By using this command, digits in math mode inside `\mathtt` will appear in Persian form and if you do not use this command at all, you will get default T_EX font for digits in math mode inside `\mathtt` and digits appear in their original form (Western).

2.6.2 Defining Extra Persian and Latin Fonts

```
\defpersianfont\CS [Options] {\font name}  
\deflatinfont\CS [Options] {\font name}
```

- ☞ With `\defpersianfont`, you can define extra Persian fonts.

```
\defpersianfont\Nastaliq[Scale=1]{IranNastaliq}
```

In this example, we define `\Nastaliq` to stand for IranNastaliq font.

- ☞ With `\deflatinfont`, you can define extra Latin fonts.

```
\deflatinfont\junicode[Scale=1]{Junicode}
```

In this example, we define `\junicode` to stand for Junicode font.



2.6.3 Choosing Persian Sans Font

```
\setpersiansansfont [Options] {\font name}  
\persiansffamily \textpersiansf{\text}
```

2.6.4 Choosing Persian Mono Font

```
\setpersianmonofont [Options] {\font name}  
\persianttfamily \textpersiantt{\text}
```

2.6.5 Choosing Persian Iranic Font

```
\setiraniconfont [Options] {\font name}  
\iranicfamily \textiranicon{\text}
```

2.6.6 Choosing Persian Navar Font

```
\setnavarfont [Options] {\font name}  
\navarfamily \textnavar{\text}
```

2.6.7 Choosing Persian Pook Font

```
\setpookfont [Options] {\font name}  
\pookfamily \textpook{\text}
```

2.6.8 Choosing Persian Sayeh Font

```
\setsayehfont [Options] {\font name}  
\sayehfamily \textsayeh{\text}
```

2.6.9 Choosing Latin Sans Font

```
\setlatinsansfont [Options] {\font name}  
\sffamily \textsf{\text}
```

2.6.10 Choosing Latin Mono Font

```
\setlatinmonofont [Options] {\font name}  
\ttfamily \texttt{\text}
```



3 Latin and Persian Environment

```
\begin{latin} <text> \end{latin}  
\begin{persian} <text> \end{persian}
```

☞ `latin` environment both changes direction of the paragraphs to LTR and font to Latin font.

☞ `persian` environment both changes direction of the Paragraphs to RTL and font to Persian font.

3.1 `latinitems` and `parsiitems` environments

```
\begin{latinitems}  
  \item <text>  
  ...  
\end{latinitems}
```

☞ `latinitems` environment is similar to `LTRitems` environment but changes the font to Latin font.

```
\begin{parsiitems}  
  \item <text>  
  ...  
\end{parsiitems}
```

☞ `parsiitems` environment is similar to `RTLitems` environment but changes the font to Persian font.

3.2 Short Latin and Persian Texts

```
\lr{<text>} \rl{<text>}
```

☞ With `\lr` command, you can typeset short LTR texts.

☞ With `\rl` command, you can typeset short RTL texts.

3.3 Miscellaneous Commands

```
\persianyear \persianmonth \persianday  
\today \latintoday \twocolumnstableofcontents \XePersian  
\plq \prq
```

☞ `\persianyear` is Persian equivalent of `\year`.



- ☞ `\persianmonth` is Persian equivalent of `\month`.
- ☞ `\persianday` is Persian equivalent of `\day`.
- ☞ `\today` typesets current Persian date and `\latintoday` typesets current Latin date.
- ☞ `\twocolumnstableofcontents` typesets table of contents in two columns. This requires that you have loaded `multicol` package before `XePersian` package, otherwise an error will be issued.
- ☞ `\XePersian` typesets `XePersian`'s logo.
- ☞ `\plq` and `\prq` typeset Persian left quote and Persian right quote respectively.

3.4 New Commands

`\Latincite`

- ☞ `\Latincite` functions exactly like `\cite` command with only one difference; the reference to biblabel item is printed in Latin font in the text.

3.5 Additional Counters

`XePersian` defines several additional counters to what already \LaTeX offers. These counters are `harfi`, `adadi`, and `tartibi`. In addition, the following commands are also provided:

`\harfinumeral{⟨integer⟩}` `\adadinumeral{⟨integer⟩}` `\tartibinumeral{⟨integer⟩}`

- ☞ The range of `harfi` counter is integers between 1 and 32 (number of the Persian alphabets) and `adadi` and `tartibi` counters, are integers between 0 and 999,999,999.
- ☞ For `harfi` counter, if you give an integer bigger than 32 or a negative integer (if you give integer 0, it returns nothing), then you get error and for `adadi` and `tartibi` counters, if you give an integer bigger than 999,999,999, then you get an error message.
- ☞ For `adadi` and `tartibi` counters, if you give an integer less than 0 (a negative integer), then `adadi` and `tartibi` counters return **adadi** and **tartibi** form of the integer 0, respectively.
- ☞ `\harfinumeral` returns the **harfi** form of $\langle integer \rangle$, where $1 \leq integer \leq 32$ and `\adadinumeral`, and `\tartibinumeral` return **adadi**, and **tartibi** form of $\langle integer \rangle$ respectively, where $0 \leq integer \leq 999,999,999$.



3.6 Things To Know About `\setdigitfont`, `\setmathsfdigitfont`, and `\setmathttdigitfont`

<code>\DefaultMathsDigits</code> <code>\PersianMathsDigits</code> <code>\AutoMathsDigits</code>

- ☞ As we discussed before, `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.
 - ☞ As we discussed before, `\setmathsfdigitfont`, and `\setmathttdigitfont` will choose the Persian sans serif and typewriter fonts for digits in math mode. By using this command, digits in math mode will appear in Persian form and if you do not use this command at all, you will get default T_EX font for digits in math mode and digits appear in their original form (Western).
- If you use `\setdigitfont`, `\setmathsfdigitfont`, and `\setmathttdigitfont`, then you should know that:

- ☞ By default, `\AutoMathsDigits` is active, which means that in Persian mode, you get Persian digits in math mode and in Latin mode, you get T_EX's default font and digits in math mode.
- ☞ If you use `\PersianMathsDigits` anywhere, you will overwrite XePersian's default behaviour and you will always get Persian digits in math mode.
- ☞ If you use `\DefaultMathsDigits` anywhere, again you will overwrite XePersian's default behaviour and you will always get T_EX's default font and digits in math mode.

4 New Conditionals

4.1 Shell escape (or `write18`) conditional

<pre>\ifwritexviii <i><material when Shell escape (or write18) is enabled></i> \else <i><material when Shell escape (or write18) is not enabled></i> \fi</pre>
--

5 Bilingual Captions

XePersian sets caption bilingually. This means if you are in RTL mode, you get Persian caption and if you are in LTR mode, you get English caption.



5.1 Support For Various Packages

In addition to what bidi package supports, XePersian also support a few packages. This support is more about language aspect rather than directionality. These packages are algorithmic, algorithm, enumerate, and backref packages.

5.1.1 Things You Should Know about Support For enumerate Package

The enumerate package gives the enumerate environment an optional argument which determines the style in which the counter is printed.

An occurrence of one of the tokens A, a, I, i, or 1 produces the value of the counter printed with (respectively) \Alph, \alph, \Roman, \roman or \arabic.

In addition with the extra support that XePersian provides, an occurrence of one of the tokens l, ی, or ت produces the value of the counter printed with (respectively) \harfi, \adadi, or \tartibi.

These letters may be surrounded by any strings involving any other T_EX expressions, however the tokens A, a, I, i, 1, l, ی, ت must be inside a {} group if they are not to be taken as special.

To see an Example, please look at enumerate package documentation.

5.2 Index Generation

For generating index, you are advised to use xindy program, any other program such as makeindex is not recommended.

5.3 Converting Your FarsiT_EX Files To XePersian or Unicode

There is a python program written by Mostafa Vahedi that enables you to convert FarsiT_EX files to XePersian or unicode. This program can be found in doc folder with the name ftxe-0.12.py. To convert your FarsiT_EX files to XePersian, put ftxe-0.12.py in the same directory that your FarsiT_EX file is, and then open a terminal/command prompt and do the following:

```
python ftxe-0.12.py file.ftx file.tex
```

This will convert your file.ftx (FarsiT_EX file) to file.tex (XePersian file).

The general syntax of using the python script is as follow:

```
python ftxe-0.12.py [-r] [-s] [-x] [-u] input-filename1 input-filename2
```

Where

-r (DEFAULT) recursively consider files included in the given files

-s do not recursively consider files

-x (DEFAULT) insert XePersian related commands



-u only convert to unicode (and not to XePersian)

Please note that the python script will not work with versions of python later than 2.6. So you are encouraged to use version 2.6 of python to benefit from this python script.

6 Extra Packages And Classes

6.1 Magazine Typesetting

6.1.1 Introduction

xepersian-magazine class allows you to create magazines, newspapers and any other types of papers. The output document has a front page and as many inner pages as desired. Articles appear one after another, telling the type, number of columns, heading, subheading, images, author and so forth. It is possible to change the aspect of (almost) everything therefore it is highly customisable. Commands to add different titles, headings and footers are also provided.

6.1.2 Usage

To create² a magazine just load the class as usual³, with

```
\documentclass [Options] {xepersian-magazine}
```

at the beginning of your source file. The class options are described in [subsubsection 6.1.12](#).

From this point it is possible to include packages and renew class commands described in [subsubsection 6.1.9](#).

6.1.3 Front Page

As every magazine, xepersian-magazine has its own front page. It includes main headings, an index, the magazine logo and other useful information. This environment should be the first you use within xepersian-magazine class but it is not mandatory.

```
\firstimage \firstarticle
```

The first two commands you can use inside the `frontpage` environment are `\firstimage` and `\firstarticle` which include, respectively, the main image and the main heading in the front page. The first one takes two arguments $\langle image \rangle$ and $\langle description \rangle$. Notice that second argument is optional and it declares the image

²For a sample file, please look at `magazine-sample.tex` in the doc folder

³You also need to load `graphicx`, `xunicode` and `xepersian` packages respectively, after loading the document class and choose fonts for the main text, Latin text and digits in maths formulas. For more detail see [section 2](#) of the documentation.



caption; *<image>* defines the relative path to the image. In order to include the first piece of article use

```
\firstarticle{<title>}{<opening>}{<time>}
```

first two arguments are mandatory and represent heading and the opening paragraph. Last argument is optional (you can leave it blank) and indicates the time when article happened.

```
\secondarticle
```

The second piece of article is included using the command `\secondarticle` just as the first article. The main difference are that this second piece has two more arguments and it does not include an image.

```
\secondarticle{<title>}{<subtitle>}{<opening>}{<pagesof>}{<time>}
```

The new arguments *<subtitle>* and *<pagesof>* define a subtitle and the name of the section for this piece of article.

```
\thirdarticle
```

The third piece of article is the last one in the xepersian-magazine front page. It works like the `\secondarticle`.

```
\thirdarticle{<title>}{<subtitle>}{<opening>}{<pagesof>}{<time>}
```

The arguments meaning is the same as `\secondarticle` command.

The front page includes three information blocks besides the news: `indexblock` which contains the index, `authorblock` which includes information about the author and a `weatherblock` containing a weather forecast. All these three environments are mostly a frame in the front page therefore they can be redefined to fit your personal wishes but I kept them to give an example and to respect the original xepersian-magazine format.

```
\indexitem
```

The `indexblock` environment contains a manually edited index of xepersian-magazine. It takes one optional argument *<title>* and places a title over the index block. To add entries inside the index just type

```
\indexitem{<title>}{<reference>}
```

inside the environment. The *<title>* is the index entry text and the *<reference>* points to a article inside xepersian-magazine. It will be more clear when you read [subsub-](#)



[section 6.1.4](#). In order to get a correct output, it is necessary to leave a blank line between index items.

The `authorblock` environment can include whatever you would like. I called it `authorblock` because I think it is nice to include some author reference in the front page: who you are, why are you doing this... This environment creates a frame box in the bottom right corner of the front page with your own logo at the top.

```
\weatheritem
```

Finally, the `weatherblock` lets you include a weather forecast. It takes one optional argument $\langle title \rangle$ that places a title over the weather block. It can fit up to three weather icons with maximum and minimum temperatures, description and name. To add each of the weather entries type the following

```
\weatheritem{\langle image \rangle}{\langle day-name \rangle}{\langle max \rangle}{\langle min \rangle}{\langle short-des \rangle}
```

The first argument includes the path to the weather icon (i.e. sunny or rainy), $\langle day-name \rangle$ like Monday, $\langle max \rangle$ and $\langle min \rangle$ are the highest and lowest day temperatures and $\langle short-des \rangle$ is a brief description of the weather condition: partly cloudy, sunny and windy ...

6.1.4 Inside

Once we have created the front page we should include all articles inside our magazine. `xepersian-magazine` arranges all articles one after each other, expanding headings all over the page and splitting the article text in the number of columns we wish. There are three different environments to define a piece of article: the `article` environment described in [subsubsection 6.1.5](#), the `editorial` environment [subsubsection 6.1.6](#) for opinion articles and the `shortarticle` environment explained in [subsubsection 6.1.7](#).

6.1.5 The article environment

The main environment to include a piece of article is called `article`. It takes four arguments that set up the headings and structure of the article.

```
\begin{article}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle subtitle \rangle}{\langle pagesof \rangle}{\langle label \rangle}  
... \langle text \rangle ...  
\end{article}
```

The first argument $\langle num-of-columns \rangle$ sets the number of columns the article will be divided whereas $\langle label \rangle$ is used when pointing an article from the index in the front page. The rest of the arguments are easy to understand.

Inside the `article` environment, besides the main text of the article, it is possible to include additional information using several class commands.




```
\authorandplace \timestamp
```

The `\authorandplace{author}{place}` inserts the name of the editor and the place where the article happened in the way many magazines do. Another useful command is `\timestamp{time}` which includes the time and a separator just before the text. These two commands should be used before the text because they type the text as the same place they are executed.

```
\image
```

To include images within the text of an article, xepersian-magazine provides an `\image` command. Since multicols package does not provide any float support for its multicols environment, I created a macro that includes an image only if that is possible, calculating if there is enough space for the image. It is not the best solution but it works quite well and I could not find a better one. To include an image use the command and its two arguments: the relative path to the image and a short description.

```
\image{image}{description}
```

```
\columnntitle \expandedtitle
```

Within the text of the article, it is possible to add column and expanded titles. The main difference between them is that the first one keeps inside the width of an article column whereas the second expands all over the width of the page, breaking all the columns. Their use is analogous, as follows

```
\columnntitle{type}{text}  
\expandedtitle{type}{text}
```

These two commands use fancybox package features. That is why there are five different types of titles which correspond mainly with fancybox ones: shadowbox, doublebox, ovalbox, Ovalbox and lines.

6.1.6 The editorial environment

In addition to the editorial article environment, one can use the editorial environment to create editorial or opinion texts. The main feature is that it transforms the style of the heading. Although this environment accepts all the commands article takes, it does not make any sense to use the `\authorandplace` command within it since it includes an author argument. To create an editorial text use



```
\begin{editorial}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle author \rangle}{\langle label \rangle}
...{\langle text \rangle}...
\end{editorial}
```

All arguments have the same meaning as article environment (see [subsubsection 6.1.5](#)).

6.1.7 The shortarticle environment

The shortarticle environment creates a block of short article. Although it has its own title and subtitle, each piece of article within it may have a title. To use it just type:

```
\begin{shortarticle}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle subtitle \rangle}{\langle label \rangle}
...{\langle text \rangle}...
\shortarticleitem{\langle title \rangle}{\langle text \rangle}
...
\end{shortarticle}
```

You can also specify the number of columns of the block like editorial and article environments. To add a piece of article inside the shortarticle use the `\shortarticleitem`, indicating a title and the text of the issue.

6.1.8 Commands between articles

```
\articlesep \newsection
```

There are two commands you can use among the articles inside xepersian-magazine: `\articlesep` and `\newsection`. The first one does not take any parameter and just draws a line between two articles. The second changes the content of `\xepersian@section` to the new `\langle section name \rangle`. From the point it is used, all articles which follow will be grouped within the new section.

```
\newsection{\langle section name \rangle}
```

6.1.9 Customization

xepersian-magazine includes many commands which can be used to customize its aspect, from the front page to the last page. I will list them grouped so it is easy to find them. Treat them as standard \LaTeX commands, using `\renewcommand` to change their behaviour.



6.1.10 Front Page

```
\customlogo \customminilogo \custommagazinenam
```

When creating a magazine, everyone wants to show its own logo instead of xepersian-magazine default heading. To achieve this, you need to put the following command at the preamble of your document:

```
\customlogo{<text>}  
\customminilogo{<text>}  
\custommagazinenam{<text>}
```

```
\edition \editionformat
```

The edition text has to be declared in the preamble of the document. One important thing to know is that `\author`, `\date` and `\title` have no effect inside xepersian-magazine since the magazine date is taken from `\today` command and the other two are only for the title page (if using `\maketitle`).

```
\indexFormat \indexEntryFormat \indexEntryPageTxt  
\indexEntryPageFormat \indexEntrySeparator
```

When defining the index in the front page, there are several commands to customize the final index style. `\indexFormat` sets the format of the title; `\indexEntryFormat`, the format of each index entry; `\indexEntryPageTxt` and `\indexEntryPageFormat` lets you define which is the text that goes with the page number and its format. Finally, xepersian-magazine creates a thin line between index entries, you can redefine it using `\indexEntrySeparator`. To get the index with `\xepersian@indexwidth` is provided.

```
\weatherFormat \weatherTempFormat \weatherUnits
```

Relating to the weather block, the title format can be changed redefining `\weatherFormat`. In order to customize the format of the temperature numbers and their units it is necessary to redefine `\weatherTempFormat` and `\weatherUnits` respectively.

```
\*TitleFormat \*SubtitleFormat \*TextFormat
```

The main article that appear in the front page can change their formats. To obtain that there are three standard commands to modify the title, subtitle and text style. You just have to replace the star (*) with first, second or third depending on which article you are editing. Note that first piece of article has no subtitle therefore it does not make any sense to use the non-existent command `\firstSubtitleFormat`.



```
\pictureCaptionFormat \pagesFormat
```

Two other elements to configure are the picture captions and the pages or section format in the entire document. To proceed just redefine the macros `\pictureCaptionFormat` and `\pagesFormat`.

6.1.11 Inside The Magazine

```
\innerTitleFormat \innerSubtitleFormat \innerAuthorFormat  
\innerPlaceFormat
```

The articles inside `xepersian-magazine` may have a different format from the ones in the front page. To change their title or subtitle format redefine `\innerTitleFormat` and `\innerSubtitleFormat`. The article text format matches the document general definition. When using the `\authorandplace` command, you might want to change the default style. Just renew `\innerAuthorFormat` and `\innerPlaceFormat` to get the results.

```
\timestampTxt \timestampSeparator \timestampFormat
```

The `\timestamp` command described in [subsubsection 6.1.5](#) lets you introduce the time of the event before the article text. You can configure its appearance by altering several commands: `\timestampTxt` which means the text after the timestamp; `\timestampSeparator` which defines the element between the actual timestamp and the beginning of the text and, finally, `\timestampFormat` to change the entire timestamp format.

```
\innerTextFinalMark
```

`xepersian-magazine` puts a small black square at the end of the article. As I wanted to create a highly customizable \LaTeX class I added the macro `\innerTextFinalMark` to change this black square. This item will appear always following the last character of the text with the `~` character.

```
\minraggedcols \raggedFormat
```

The `\minraggedcols` counter is used to tell `xepersian-magazine` when article text should be ragged instead of justified. The counter represents the minimum number of columns that are needed in order to use ragged texts. For example, if `\minraggedcols` is set to 3, all articles with 3 columns or more will be ragged. Articles with 1, 2 columns will have justified text. By default, `\minraggedcols` is set to 4.

The `\raggedFormat` macro can be redefined to fit user ragged style. Default value is `\RaggedLeft`.



```
\heading \foot
```

xepersian-magazine includes package fancyhdr for changing headings and footers. Although it is possible to use its own commands to modify xepersian-magazine style, there are two commands to change headings and foot appearance. Place them in the preamble of your xepersian-magazine document.

```
\heading{\left}\{center}\{right}\  
\foot{\left}\{center}\{right}
```

If you still prefer to use fancyhdr macros, use them after the `frontpage` environment. xepersian-magazine by default places no headers and footers. If you want headers and footers, then after loading xepersian package, you should write `\pagestyle{fancy}` at the preamble of your document.

6.1.12 Class Options

The xepersian-magazine class is in itself an alteration of the standard article class, thus it inherits most of its class options but twoside, twocolumn, notitlepage and a4paper. If you find problems when loading other article features, please let me know to fix it. There are also five own options that xepersian-magazine implements.

a3paper (false) This option makes xepersian-magazine 297 mm width by 420 mm height. This option is implemented because the standard article class does not allow this document size.

9pt (false) Allows the 9pt font size that article class does not include (default is 10pt).

columnlines columnlines (false) Adds lines between columns in the entire xepersian-magazine. The default line width is 0.1pt but it is possible to change this by setting length `\columnlines` in the preamble.

showgrid (false) This option is only for developing purposes. Because the front page has a personal design using the textpos package, I created this grid to make easier the layout.

6.2 Typesetting Multiple-choice Questions

6.2.1 Introduction

xepersian-multiplechoice is a package for making multiple choices questionnaires under \LaTeX . A special environment allows you to define questions and possible answers. You can specify which answers are correct and which are not. xepersian-multiplechoice not only formats the questions for you, but also generates a “form” (a grid that your students will have to fill in), and a “mask” (the same grid, only with correct answers properly checked in). You can then print the mask on a slide and correct the questionnaires more easily by superimposing the mask on top of students’ forms.



6.2.2 Usage

Here we now explain the usage of this package, however there are four example files, namely `test-question-only.tex`, `test-solution-form.tex`, `test-empty-form.tex` and `test-correction.tex`, available in `doc` folder that you may want to look at.

6.2.3 Loading The Package

You can load the package as usual by:

```
\usepackage [Options] {xepersian-multiplechoice}
```

The available options are described along the text, where appropriate.

6.2.4 Creating Questions

Here's a simple example demonstrating how to produce a new question:

```
1 \begin{question}{سؤال}
2 \false \ جواب
3 \true ۲ جواب
4 \false ۳ جواب
5 \false ۴ جواب
6 \end{question}
7 \begin{correction}
8 جواب واقعی و علت اینکه این جواب، جواب واقعی هست
9 \end{correction}
```

6.2.5 The question Environment

The `question` environment allows you to insert questions into your document. It takes one mandatory argument which specifies the actual question's text. The question will be displayed in a frame box, the size of the line.

```
\true \false
```

The proposed answers are displayed below the question in a list fashion (the question environment is a list-based one). Instead of using `\item` however, use either `\true` or `\false` to insert a possible answer.

6.2.6 Question Numbers

The `question` environment is associated with a \TeX counter named `question`. This counter stores the number of the next (or current) question. It is initialized to 1, and automatically incremented at the end of `question` environments. You might want to use it to format question titles. For instance, you could decide that each question belongs to a subsection in the `article` class, and use something like this before each question: `\subsection*{Question \thethequestion}`



6.2.7 The Form and the Mask

`\makeform \makemask`

Based on the questions appearing in your document, `xepersian-multiplechoice` has the ability to generate a “form” (a grid that your students will have to fill in), and a “mask” (the same grid, only with correct answers properly checked in). This can make the correction process easier.

To generate a form and a mask, use the macros `\makeform` and `\makemask`. `xepersian-multiplechoice` uses two auxiliary files to build them. These files have respectively an extension of `frm` and `msk`. If you use these macros, you will need two passes of \LaTeX in order to get a correctly formatted document.

6.2.8 Typesetting corrections

The “correction” mode allows you to automatically typeset and distribute corrections to your students. These corrections are slightly modified versions of your questionnaire: each possible answer is prefixed with a small symbol (a visual clue) indicating whether the answer was correct or wrong. In addition, you can typeset explanations below each question.

To activate the correction mode, use the `correction` option. It is off by default.

To typeset explanations below the questions, use the `correction` environment (no argument). The contents of this environment is displayed only in correction mode. In normal mode, it is simply discarded.

In addition, note that `xepersian-multiplechoice` cancels the actions performed by `\makeform` and `\makemask` in `correction` mode. This is to avoid further edition of the source when typesetting a correction.

6.2.9 Important Note

Currently, `xepersian-multiplechoice` requires that you provide a constant number of proposed answers across all questions in your `xepersian-multiplechoice`. This is something natural when you want to build forms, but this might be too restrictive otherwise, I’m not sure, so it is possible that this restriction will be removed in future versions.

Currently, there is a built-in mechanism for checking that the number of proposed answers remains constant: when `xepersian-multiplechoice` encounters the first occurrence of the `question` environment, it remembers the number of proposed answers from there. Afterwards, any noticed difference in subsequent occurrences will generate an error. As a consequence, you never have to tell `xepersian-multiplechoice` explicitly what that number is.

6.3 Customising The Package



6.3.1 The question environment

`\questionspace \answerstitlefont \answernumberfont`

`\questionspace` is the amount of extra vertical space to put under the question, before the list of proposed answers. This is a \LaTeX length that defaults to 0pt. Before the list of possible answers, a short title is displayed (for English, it reads “Possible answers:”). The `\answerstitlefont` macro takes one mandatory argument which redefines the font to use for the answers title. By default, `\bfseries` is used. Each proposed answer in the list is numbered automatically (and alphabetically). The `\answernumberfont` macro takes one mandatory argument which redefines the font to use for displaying the answer number. By default, `\bfseries` is used.

6.3.2 The Form and the Mask

`\headerfont \X`

The `\headerfont` macro takes one mandatory argument which redefines the font to use for the headers (first line and first column) of the form and mask arrays. By default, `\bfseries` is used.

In the mask, correct answers are checked in by filling the corresponding cell with an “X” character. If you want to change this, call the `\X` macro with one (mandatory) argument.

6.3.3 The correction

`\truesymbol \falsesymbol`

In correction mode, labels in front of answers are modified to give a visual clue about whether the answer was correct or wrong. By default, a cross and a small arrow are used. You can change these symbols by using the `\truesymbol` and `\falsesymbol` macros. For instance, you could give a fancier look to your correction by using the `pifont` package and issuing:

```
\truesymbol{\ding{'063}~}
\falsesymbol{\ding{'067}~}
```

`\correctionstyle`

The appearance of the contents of the correction environment can be adjusted by using the `\correctionstyle` macro. By default, `\itshape` is used.

7 xepersian implementation

7.1 algorithmic-xepersian.def




```

1 \ProvidesFile{algorithmic-xepersian.def}[2010/07/25 v0.2 adaptations for algorithmic package]
2 \def\algorithmicrequire{\if@RTL\textbf{   :}\else\textbf{Require:}\fi}
3 \def\algorithmicensure{\if@RTL\textbf{   :}\else\textbf{Ensure:}\fi}

```

7.2 algorithm-xepersian.def

```

4 \ProvidesFile{algorithm-xepersian.def}[2010/07/25 v0.2 adaptations for algorithm package]
5 \def\ALG@name{\if@RTL else\      Algorithm\fi}
6 \def\ALGS@name{      }
7 \def\listalgorithmname{\if@RTL      \ALGS@name\else List of \ALG@name s\fi}

```

7.3 amsart-xepersian.def

```

8 \ProvidesFile{amsart-xepersian.def}[2013/04/26 v0.3 adaptations for amsart class]
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11   \let\sectionname\appendixname
12   \def\thesection{\@harfi\c@section}}
13
14 \long\def\@footnotetext#1{%
15   \insert\footins{%
16     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
17     \normalfont\footnotesize
18     \interlinepenalty\interfootnotelinepenalty
19     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
20     \floatingpenalty\@MM \hsize\columnwidth
21     \@parboxrestore \parindent\normalparindent \sloppy
22     \protected@edef\@currentlabel{%
23       \csname p@footnote\endcsname\@thefnmark}%
24     \@makefntext{%
25       \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\@nonlatinfalse\latinfont#1\fi\u
26
27
28
29
30
31 \long\def\@RTLfootnotetext#1{%
32   \insert\footins{%
33     \@RTLtrue%
34     \@nonlatintrue%
35     \normalfont\footnotesize
36     \interlinepenalty\interfootnotelinepenalty
37     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
38     \floatingpenalty\@MM \hsize\columnwidth
39     \@parboxrestore \parindent\normalparindent \sloppy
40     \protected@edef\@currentlabel{%
41       \csname p@footnote\endcsname\@thefnmark}%
42     \@makefntext{%
43       \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}}
44
45

```



```

46
47
48
49
50
51 \long\def\@LTRfootnotetext#1{%
52   \insert\footins{%
53     \@RTLfalse%
54     \@nonlatinfalse%
55     \normalfont\footnotesize
56     \interlinepenalty\interfootnotelinepenalty
57     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
58     \floatingpenalty\@MM \hsize\columnwidth
59     \@parboxrestore \parindent\normalparindent \sloppy
60     \protected@edef\@currentlabel{%
61       \csname p@footnote\endcsname\@thefnmark}%
62     \@makefntext{%
63       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}
64
65
66 \footdir@temp\footdir@ORG@xepersian@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
67 \footdir@temp\footdir@ORG@xepersian@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
68 \footdir@temp\footdir@ORG@xepersian@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
69

```

7.4 amsbook-xepersian.def

```

70 \ProvidesFile{amsbook-xepersian.def}[2013/04/26 v0.4 adaptations for amsbook class]
71 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
72 \renewcommand \thepart {\@tartibi@c@part}
73 \def\appendix{\par
74   \c@chapter\z@ \c@section\z@
75   \let\chaptername\appendixname
76   \def\thechapter{\@harfi\c@chapter}}
77
78 \long\def\@footnotetext#1{%
79   \insert\footins{%
80     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
81     \normalfont\footnotesize
82     \interlinepenalty\interfootnotelinepenalty
83     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
84     \floatingpenalty\@MM \hsize\columnwidth
85     \@parboxrestore \parindent\normalparindent \sloppy
86     \protected@edef\@currentlabel{%
87       \csname p@footnote\endcsname\@thefnmark}%
88     \@makefntext{%
89       \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\@nonlatinfalse\latinfont#1\fi\unskip\strut\par}}
90
91
92

```



```

93
94
95 \long\def\@RTLfootnotetext#1{%
96   \insert\footins{%
97     \@RTLtrue%
98     \@nonlatintrue%
99     \normalfont\footnotesize
100    \interlinepenalty\interfootnotelinepenalty
101    \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
102    \floatingpenalty\@MM \hsize\columnwidth
103    \@parboxrestore \parindent\normalparindent \sloppy
104    \protected@edef\@currentlabel{%
105      \csname p@footnote\endcsname\@thefnmark}%
106    \@makefnfntext{%
107      \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}
108
109
110
111
112
113
114
115 \long\def\@LTRfootnotetext#1{%
116   \insert\footins{%
117     \@RTLfalse%
118     \@nonlatinfalse%
119     \normalfont\footnotesize
120     \interlinepenalty\interfootnotelinepenalty
121     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
122     \floatingpenalty\@MM \hsize\columnwidth
123     \@parboxrestore \parindent\normalparindent \sloppy
124     \protected@edef\@currentlabel{%
125       \csname p@footnote\endcsname\@thefnmark}%
126     \@makefnfntext{%
127       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}
128
129 \footdir@temp\footdir@ORG@xepersian@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}
130 \footdir@temp\footdir@ORG@xepersian@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
131 \footdir@temp\footdir@ORG@xepersian@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
132

```

7.5 appendix-xepersian.def

```

133 \ProvidesFile{appendix-xepersian.def}[2015/02/01 v0.1 adaptations for appendix package]
134 \renewcommand{\@resets@pp}{\par
135   \@ppsavesec
136   \stepcounter{@pps}
137   \setcounter{section}{0}%
138   \if@chapter@pp
139     \setcounter{chapter}{0}%

```



```

140 \renewcommand\@chapapp{\appendixname}%
141 \renewcommand\thechapter{\@harfi\c@chapter}%
142 \else
143 \setcounter{subsection}{0}%
144 \renewcommand\thesection{\@harfi\c@section}%
145 \fi
146 \restoreapp
147 }

```

7.6 article-xepersian.def

```

148 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]
149 \renewcommand \thepart {\@tartibi\c@part}
150 \renewcommand\appendix{\par
151 \setcounter{section}{0}%
152 \setcounter{subsection}{0}%
153 \gdef\thesection{\@harfi\c@section}}

```

7.7 artikel1-xepersian.def

```

154 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
155 \renewcommand*\thepart{\@tartibi\c@part}
156 \renewcommand*\appendix{\par
157 \setcounter{section}{0}%
158 \setcounter{subsection}{0}%
159 \gdef\thesection{\@harfi\c@section}}

```

7.8 artikel2-xepersian.def

```

160 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
161 \renewcommand*\thepart{\@tartibi\c@part}
162 \renewcommand*\appendix{\par
163 \setcounter{section}{0}%
164 \setcounter{subsection}{0}%
165 \gdef\thesection{\@harfi\c@section}}

```

7.9 artikel3-xepersian.def

```

166 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
167 \renewcommand*\thepart{\@tartibi\c@part}
168 \renewcommand*\appendix{\par
169 \setcounter{section}{0}%
170 \setcounter{subsection}{0}%
171 \gdef\thesection{\@harfi\c@section}}

```

7.10 backref-xepersian.def

```

172 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
173 \def\backrefpagesname{\if@RTL else\ pages\fi}
174 \def\BR@Latincitex[#1]#2{%
175 \BRorg@Latincitex[#1]{#2}%
176 \ifBR@verbose
177 \PackageInfo{backref}{back Latin cite \string`#2\string'}%

```



```

178 \fi
179 \Hy@backout{#2}%
180 }
181 \AtBeginDocument{%
182 \ifundefined{NAT@parse}{%
183 \global\let\BRorg@Latincitex\@Latincitex
184 \global\let\@Latincitex\BR@Latincitex
185 }{%
186 \ifpackageloaded{hyperref}{}%
187 \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
188 }%
189 \PackageInfo{backref}{** backref set up for natbib **}%
190 }%
191 }%

```

7.11 bidentuftsidenote-xepersian.def

```

192 \ProvidesFile{bidentuftsidenote-xepersian.def}[2014/12/28 v0.2 xepersian changes to bidentufts
193 \setLTRcitationfont{\@bidentuftsidenote@marginfont\@nonlatinfalse\latinfont}
194 \long\def\@LTRbidentuftsidenote@sidenote[#1][#2]#3{%
195 \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
196 \gdef\@bidentuftsidenote@citations{}% clear out any old citations
197 \ifthenelse{\NOT\isempty{#2}}{%
198 \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{#2}%
199 }{%
200 \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{0pt}%
201 }%
202 \ifthenelse{\isempty{#1}}{%
203 % no specific footnote number provided
204 \stepcounter\@mpfn%
205 \protected@xdef\@thefnmark{\thempfn}%
206 \@footnotemark\@LTRfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\@nonlatinfa
207 }{%
208 % specific footnote number provided
209 \begingroup%
210 \csname c@\@mpfn\endcsname #1\relax%
211 \unrestored@protected@xdef\@thefnmark{\thempfn}%
212 \endgroup%
213 \@footnotemark\@LTRfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\@nonlatinfa
214 }%
215 \@bidentuftsidenote@print@citations% print any citations
216 \let\cite\@bidentuftsidenote@normal@cite% go back to using normal in-text \cite comman
217 \unskip\ignorespaces% remove extra white space
218 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
219 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
220 }
221 \long\def\@RTLbidentuftsidenote@sidenote[#1][#2]#3{%
222 \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
223 \gdef\@bidentuftsidenote@citations{}% clear out any old citations
224 \ifthenelse{\NOT\isempty{#2}}{%

```



```

225 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
226 }{%
227 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
228 }%
229 \ifthenelse{\isempty{#1}}{%
230 % no specific footnote number provided
231 \stepcounter\@mpfn%
232 \protected@xdef\@thefnmark{\thempfn}%
233 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{\@nonlatintr
234 }{%
235 % specific footnote number provided
236 \begingroup%
237 \csname c@\@mpfn\endcsname #1\relax%
238 \unrestored@protected@xdef\@thefnmark{\thempfn}%
239 \endgroup%
240 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{\@nonlatintr
241 }%
242 \@bidituftesidenote@print@citations% print any citations
243 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
244 \unskip\ignorespaces% remove extra white space
245 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
246 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
247 }
248 \renewcommand\LTRmarginnote[2][Opt]{%
249 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
250 \gdef\@bidituftesidenote@citations{}% clear out any old citations
251 \LTRbidituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidituftesidenote@marginnote@font\@nonla
252 \@bidituftesidenote@print@citations% print any citations
253 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
254 }
255 \renewcommand\RTLmarginnote[2][Opt]{%
256 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
257 \gdef\@bidituftesidenote@citations{}% clear out any old citations
258 \RTLbidituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidituftesidenote@marginnote@font\@nonla
259 \@bidituftesidenote@print@citations% print any citations
260 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
261 }

```

7.12 bidimoderncv-xepersian.def

```

262 \ProvidesFile{bidimoderncv-xepersian.def}[2010/07/25 v0.1 adaptations for bidimoderncv class]
263 \def\refname{\if@RTL else\ Publications\fi}

```

7.13 boek3-xepersian.def

```

264 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
265 \renewcommand*\thepart{\@tartibi\c@part}
266 \renewcommand*\frontmatter{%
267 \cleardoublepage
268 \@mainmatterfalse
269 \pagenumbering{harfi}}

```



```

270 \renewcommand*\appendix{\par
271   \setcounter{chapter}{0}%
272   \setcounter{section}{0}%
273   \gdef\@chapapp{\appendixname}%
274   \gdef\thechapter{\@harfi\c@chapter}}

```

7.14 boek-xepersian.def

```

275 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
276 \renewcommand*\thepart{\@tartibi\c@part}
277 \renewcommand*\frontmatter{%
278   \cleardoublepage
279   \@mainmatterfalse
280   \pagenumbering{harfi}}
281 \renewcommand*\appendix{\par
282   \setcounter{chapter}{0}%
283   \setcounter{section}{0}%
284   \gdef\@chapapp{\appendixname}%
285   \gdef\thechapter{\@harfi\c@chapter}}

```

7.15 bookest-xepersian.def

```

286 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
287 \renewcommand \thepart {\@tartibi\c@part}
288 \renewcommand\appendix{\par
289   \setcounter{chapter}{0}%
290   \setcounter{section}{0}%
291   \gdef\@chapapp{\appendixname}%
292   \gdef\thechapter{\@harfi\c@chapter}
293 }%end appendix

```

7.16 book-xepersian.def

```

294 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
295 \renewcommand\frontmatter{%
296   \cleardoublepage
297   \@mainmatterfalse
298   \pagenumbering{harfi}}
299 \renewcommand \thepart {\@tartibi\c@part}
300 \renewcommand\appendix{\par
301   \setcounter{chapter}{0}%
302   \setcounter{section}{0}%
303   \gdef\@chapapp{\appendixname}%
304   \gdef\thechapter{\@harfi\c@chapter}
305 }%end appendix

```

7.17 breqn-xepersian.def

```

306 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
307 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
308   \everydisplay\expandafter{\the\everydisplay \display@setup}%
309   \if@noskipsec \leavevmode \fi
310   \if@inlabel \leavevmode \global\@inlabelfalse \fi

```



```

311 \if\eq@group\else\eq@prelim\fi
312 \setkeys{breqn}{#1}%
313 \the\eqstyle
314 \eq@setnumber
315 \begingroup
316 \eq@setup@a
317 \eq@startup
318 }
319 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
320 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
321 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
322 \global\let\GRP@label\@empty
323 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
324 \global\grp@linewidth\z@\global\grp@wdNum\z@
325 \global\let\grp@eqs@numbered\@False
326 \global\let\grp@aligned\@True
327 \global\let\grp@shiftnumber\@False
328 \eq@prelim
329 \setkeys{breqn}{#1}%
330 \if\grp@hasNumber \grp@setnumber \fi
331 }
332 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
333 \let\display@setup\dseries@display@setup
334 % Question: should this be the default for dseries???
335 \global\eq@wdCond\z@
336 \@dmath[layout={M},#1]%
337 \mathsurround\z@\@math \penalty\@Mi
338 \let\endmath\ends@math
339 \def\premath{%
340 \ifdim\lastskip<.3em \unskip
341 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
342 }%
343 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
344 \ignorespaces
345 }

```

7.18 latex-localise-commands-xepersian.def

```

346 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of L
347 \eqcommand{ }{@arstrut}
348 \eqcommand{ }{above}
349 \eqcommand{ }{abovedisplayshortskip}
350 \eqcommand{ }{abovedisplayskip}
351 \eqcommand{ }{abstractname}
352 \eqcommand{ }{accent}
353 \eqcommand{ }{active}
354 \eqcommand{ }{addcontentsline}
355 \eqcommand{ }{addpenalty}
356 \eqcommand{ }{address}
357 \eqcommand{ }{addtocontents}

```




```

358 \eqcommand{      }{addtocounter}
359 \eqcommand{      }{addtolength}
360 \eqcommand{      }{addvspace}
361 \eqcommand{      }{adjdemerits}
362 \eqcommand{      }{advance}
363 \eqcommand{      }{afterassignment}
364 \eqcommand{      }{aftergroup}
365 \eqcommand{ }{aleph}
366 \eqcommand{      }{aliasfontfeature}
367 \eqcommand{      }{aliasfontfeatureoption}
368 \eqcommand{      }{allowbreak}
369 \eqcommand{ @}{alloc@}
370 \eqcommand{      }{allocationnumber}
371 \eqcommand{      }{allowdisplaybreaks}
372 \eqcommand{      }{Alph}
373 \eqcommand{      }{alph}
374 \eqcommand{      }{alsoname}
375 \eqcommand{ }{and}
376 \eqcommand{      }{angle}
377 \eqcommand{      }{appendixname}
378 \eqcommand{      }{approx}
379 \eqcommand{      }{arabic}
380 \eqcommand{ }{arg}
381 \eqcommand{      }{arrayrulecolor}
382 \eqcommand{      }{arraycolsep}
383 \eqcommand{      }{arrayrulewidth}
384 \eqcommand{      }{arraystretch}
385 \eqcommand{      }{AtBeginDocument}
386 \eqcommand{      }{AtEndDocument}
387 \eqcommand{      }{AtEndOfClass}
388 \eqcommand{      }{AtEndOfPackage}
389 \eqcommand{      }{author}
390 \eqcommand{      }{backmatter}
391 \eqcommand{      }{backslash}
392 \eqcommand{      }{badness}
393 \eqcommand{ }{bar}
394 \eqcommand{      }{baselineskip}
395 \eqcommand{      }{baselinestretch}
396 \eqcommand{      }{batchmode}
397 \eqcommand{ }{begin}
398 \eqcommand{      }{beginL}
399 \eqcommand{      }{beginR}
400 \eqcommand{      }{begingroup}
401 \eqcommand{      }{belowdisplayshortskip}
402 \eqcommand{      }{belowdisplayskip}
403 \eqcommand{ }{bf}
404 \eqcommand{      }{bfdefault}
405 \eqcommand{      }{bfseries}
406 \eqcommand{      }{bgroup}
407 \eqcommand{      }{bibitem}

```



```

408 \eqcommand{      }{bibliography}
409 \eqcommand{      }{bibliographystyle}
410 \eqcommand{      }{bibname}
411 \eqcommand{      }{bigskip}
412 \eqcommand{      }{bigskipamount}
413 \eqcommand{      }{botfigrule}
414 \eqcommand{      }{botmark}
415 \eqcommand{      }{bottompageskip}
416 \eqcommand{      }{bottomfraction}
417 \eqcommand{ }{box}
418 \eqcommand{      }{boxmaxdepth}
419 \eqcommand{ }{break}
420 \eqcommand{ }{bullet}
421 \eqcommand{ @ }{@cclv}
422 \eqcommand{ @ }{@cclvi}
423 \eqcommand{ }{caption}
424 \eqcommand{ }{catcode}
425 \eqcommand{ }{cc}
426 \eqcommand{      }{ccname}
427 \eqcommand{      }{cdot}
428 \eqcommand{      }{cdots}
429 \eqcommand{      }{centering}
430 \eqcommand{      }{centerline}
431 \eqcommand{ @ }{ch@ck}
432 \eqcommand{ }{chapter}
433 \eqcommand{      }{chaptername}
434 \eqcommand{      }{char}
435 \eqcommand{      }{chardef}
436 \eqcommand{      }{CheckCommand}
437 \eqcommand{ }{cite}
438 \eqcommand{      }{ClassError}
439 \eqcommand{      }{ClassInfo}
440 \eqcommand{      }{ClassWarning}
441 \eqcommand{      }{ClassWarningNoLine}
442 \eqcommand{      }{cleaders}
443 \eqcommand{      }{cleardoublepage}
444 \eqcommand{      }{clearpage}
445 \eqcommand{      }{cline}
446 \eqcommand{      }{closein}
447 \eqcommand{      }{closeout}
448 \eqcommand{ }{closing}
449 \eqcommand{      }{clubpenalty}
450 \eqcommand{ }{clubsuit}
451 \eqcommand{      }{colbotmark}
452 \eqcommand{      }{colfirstmark}
453 \eqcommand{ }{color}
454 \eqcommand{      }{colorbox}
455 \eqcommand{      }{coltopmark}
456 \eqcommand{      }{columncolor}
457 \eqcommand{      }{columnsep}

```



```

458 \eqcommand{      }{columnwidth}
459 \eqcommand{      }{columnseprule}
460 \eqcommand{      }{contentsline}
461 \eqcommand{      }{contentsname}
462 \eqcommand{ }{copy}
463 \eqcommand{   }{copyright}
464 \eqcommand{   }{count}
465 \eqcommand{ @}{count@}
466 \eqcommand{   }{countdef}
467 \eqcommand{ }{cr}
468 \eqcommand{   }{crr}
469 \eqcommand{   }{csname}
470 \eqcommand{   }{CurrentOption}
471 \eqcommand{   }{dashbox}
472 \eqcommand{   }{dashv}
473 \eqcommand{@   }{@date}
474 \eqcommand{   }{date}
475 \eqcommand{   }{day}
476 \eqcommand{   }{dblbotfigrule}
477 \eqcommand{   }{dblbottomfraction}
478 \eqcommand{   }{dblfigrule}
479 \eqcommand{   }{dblfloatpagefraction}
480 \eqcommand{   }{dblfloatsep}
481 \eqcommand{   }{dblfntlocatcode}
482 \eqcommand{   }{dbltextfloatsep}
483 \eqcommand{   }{dbltopfraction}
484 \eqcommand{   }{DeclareFixedFont}
485 \eqcommand{   }{DeclareGraphicsExtensions}
486 \eqcommand{   }{DeclareGraphicsRule}
487 \eqcommand{   }{DeclareOldFontCommand}
488 \eqcommand{   }{DeclareOption}
489 \eqcommand{   }{DeclareRobustCommand}
490 \eqcommand{   }{DeclareSymbolFont}
491 \eqcommand{   }{deadcycles}
492 \eqcommand{ }{def}
493 \eqcommand{ @   }{define@key}
494 \eqcommand{   }{definecolor}
495 \eqcommand{   }{deg}
496 \eqcommand{   }{delcode}
497 \eqcommand{   }{delimiter}
498 \eqcommand{   }{delimiterfactor}
499 \eqcommand{   }{depth}
500 \eqcommand{   }{diamondsuit}
501 \eqcommand{   }{dim}
502 \eqcommand{   }{dimen}
503 \eqcommand{ @   }{@dimen@}
504 \eqcommand{ @   }{@dimen@i}
505 \eqcommand{ @   }{@dimen@ii}
506 \eqcommand{   }{dimendef}
507 \eqcommand{   }{discretionary}

```



```

508 \eqcommand{      }{displaybreak}
509 \eqcommand{      }{displayindent}
510 \eqcommand{      }{displaystyle}
511 \eqcommand{      }{displaywidth}
512 \eqcommand{      }{divide}
513 \eqcommand{      }{documentclass}
514 \eqcommand{ }{do}
515 \eqcommand{      }{dospecials}
516 \eqcommand{ }{dot}
517 \eqcommand{      }{doteq}
518 \eqcommand{      }{dotfill}
519 \eqcommand{ }{dots}
520 \eqcommand{      }{doublebox}
521 \eqcommand{      }{doublerulesepcolor}
522 \eqcommand{      }{doublerulesep}
523 \eqcommand{      }{downarrow}
524 \eqcommand{ }{dp}
525 \eqcommand{      }{dump}
526 \eqcommand{ }{edef}
527 \eqcommand{      }{egroup}
528 \eqcommand{      }{eject}
529 \eqcommand{ }{else}
530 \eqcommand{      }{em}
531 \eqcommand{      }{emergencystretch}
532 \eqcommand{      }{emph}
533 \eqcommand{@ }{@empty}
534 \eqcommand{ }{empty}
535 \eqcommand{      }{emptyset}
536 \eqcommand{ }{end}
537 \eqcommand{      }{endL}
538 \eqcommand{      }{endR}
539 \eqcommand{      }{endcsname}
540 \eqcommand{      }{endfirsthead}
541 \eqcommand{      }{endfoot}
542 \eqcommand{ }{endgraf}
543 \eqcommand{      }{endgroup}
544 \eqcommand{      }{endhead}
545 \eqcommand{      }{endinput}
546 \eqcommand{      }{endlastfoot}
547 \eqcommand{      }{enlargethispage}
548 \eqcommand{ }{endline}
549 \eqcommand{      }{endlinechar}
550 \eqcommand{      }{enspace}
551 \eqcommand{      }{enskip}
552 \eqcommand{      }{eqcommand}
553 \eqcommand{      }{eqenvironment}
554 \eqcommand{      }{eqref}
555 \eqcommand{ }{errhelp}
556 \eqcommand{      }{errmessage}
557 \eqcommand{      }{errorcontextlines}

```



```

558 \eqcommand{      }{errorstopmode}
559 \eqcommand{      }{escapechar}
560 \eqcommand{      }{euro}
561 \eqcommand{      }{evensidemargin}
562 \eqcommand{      }{everycr}
563 \eqcommand{      }{everydisplay}
564 \eqcommand{      }{everyhbox}
565 \eqcommand{      }{everyjob}
566 \eqcommand{      }{everymath}
567 \eqcommand{      }{everypar}
568 \eqcommand{      }{everyvbox}
569 \eqcommand{      }{ExecuteOptions}
570 \eqcommand{      }{exhyphenpenalty}
571 \eqcommand{      }{expandafter}
572 \eqcommand{      }{extracolsep}
573 \eqcommand{@      }{@firstofone}
574 \eqcommand{@      }{@firstoftwo}
575 \eqcommand{ @ }{f@ur}
576 \eqcommand{      }{fam}
577 \eqcommand{      }{fancypage}
578 \eqcommand{      }{fbox}
579 \eqcommand{      }{fboxrule}
580 \eqcommand{      }{fboxsep}
581 \eqcommand{      }{fcolorbox}
582 \eqcommand{ }{fi}
583 \eqcommand{      }{figurename}
584 \eqcommand{      }{filbreak}
585 \eqcommand{ }{fill}
586 \eqcommand{      }{firstmark}
587 \eqcommand{ }{flat}
588 \eqcommand{      }{floatpagefraction}
589 \eqcommand{      }{floatingpenalty}
590 \eqcommand{      }{floatsep}
591 \eqcommand{      }{flushbottom}
592 \eqcommand{      }{fmtname}
593 \eqcommand{      }{fmtversion}
594 \eqcommand{      }{fnsymbol}
595 \eqcommand{ }{font}
596 \eqcommand{      }{fontdimen}
597 \eqcommand{      }{fontencoding}
598 \eqcommand{      }{fontfamily}
599 \eqcommand{      }{fontname}
600 \eqcommand{      }{fontseries}
601 \eqcommand{      }{fontshape}
602 \eqcommand{      }{fontsize}
603 \eqcommand{      }{footheight}
604 \eqcommand{      }{footins}
605 \eqcommand{      }{footnote}
606 \eqcommand{      }{footnotemark}
607 \eqcommand{      }{footnoterule}

```



```

608 \eqcommand{      }{footnotesep}
609 \eqcommand{      }{footnotesize}
610 \eqcommand{      }{footnotetext}
611 \eqcommand{      }{footskip}
612 \eqcommand{ }{frame}
613 \eqcommand{   }{framebox}
614 \eqcommand{   }{frenchspacing}
615 \eqcommand{   }{frontmatter}
616 \eqcommand{   }{futurelet}
617 \eqcommand{@   }{@gobble}
618 \eqcommand{@   }{@gobbletwo}
619 \eqcommand{@   }{@gobblefour}
620 \eqcommand{@   }{@gtempa}
621 \eqcommand{@   }{@gtempb}
622 \eqcommand{ }{gdef}
623 \eqcommand{   }{GenericInfo}
624 \eqcommand{   }{GenericWarning}
625 \eqcommand{   }{GenericError}
626 \eqcommand{ }{global}
627 \eqcommand{   }{globaldefs}
628 \eqcommand{   }{glossary}
629 \eqcommand{   }{glossaryentry}
630 \eqcommand{   }{goodbreak}
631 \eqcommand{   }{graphpaper}
632 \eqcommand{   }{guillemotleft}
633 \eqcommand{   }{guillemotright}
634 \eqcommand{   }{guilsinglleft}
635 \eqcommand{   }{guilsinglright}
636 \eqcommand{   }{halign}
637 \eqcommand{   }{hang}
638 \eqcommand{   }{hangafter}
639 \eqcommand{   }{hangindent}
640 \eqcommand{   }{hbadness}
641 \eqcommand{   }{hbox}
642 \eqcommand{   }{headheight}
643 \eqcommand{   }{headsep}
644 \eqcommand{   }{headtoname}
645 \eqcommand{ }{heartsuit}
646 \eqcommand{   }{height}
647 \eqcommand{   }{hfil}
648 \eqcommand{   }{hfill}
649 \eqcommand{   }{hfilneg}
650 \eqcommand{   }{hfuzz}
651 \eqcommand{   }{hideskip}
652 \eqcommand{   }{hidewidth}
653 \bidi@csletcs{ }{hline}% this is an exception
654 \eqcommand{   }{hoffset}
655 \eqcommand{   }{holdinginserts}
656 \eqcommand{   }{hrboxsep}
657 \eqcommand{   }{hrule}

```



```

658 \eqcommand{ }{hrulefill}
659 \eqcommand{ }{hsize}
660 \eqcommand{ }{hskip}
661 \eqcommand{ }{hspace}
662 \eqcommand{ }{hss}
663 \eqcommand{ }{ht}
664 \eqcommand{ }{huge}
665 \eqcommand{ }{Huge}
666 \eqcommand{ }{hyperlink}
667 \eqcommand{ }{hypersetup}
668 \eqcommand{ }{hypertarget}
669 \eqcommand{ }{hyphenation}
670 \eqcommand{ }{hyphenchar}
671 \eqcommand{ }{hyphenpenalty}
672 \eqcommand{@ }{@ifclassloaded}
673 \eqcommand{@ }{@ifdefinable}
674 \eqcommand{@ }{@ifnextchar}
675 \eqcommand{@ }{@ifpackageloaded}
676 \eqcommand{@ }{@ifstar}
677 \eqcommand{@ }{@ifundefined}
678 \eqcommand{ }{if}
679 \eqcommand{ @ }{if@tempswa}
680 \eqcommand{ }{ifcase}
681 \eqcommand{ }{ifcat}
682 \eqcommand{ }{ifdefined}
683 \eqcommand{ }{ifdim}
684 \eqcommand{ }{ifeof}
685 \eqcommand{ }{iff}
686 \eqcommand{ }{iffalse}
687 \eqcommand{ }{IfFileExists}
688 \eqcommand{ }{ifhbox}
689 \eqcommand{ }{ifhmode}
690 \eqcommand{ }{ifinner}
691 \eqcommand{ }{ifmmode}
692 \eqcommand{ }{ifnum}
693 \eqcommand{ }{ifodd}
694 \eqcommand{ }{ifthenelse}
695 \eqcommand{ }{iftrue}
696 \eqcommand{ }{ifvbox}
697 \eqcommand{ }{ifvmode}
698 \eqcommand{ }{ifvoid}
699 \eqcommand{ }{ifx}
700 \eqcommand{ }{ignorespaces}
701 \eqcommand{ }{immediate}
702 \eqcommand{ }{include}
703 \eqcommand{ }{includegraphics}
704 \eqcommand{ }{includeonly}
705 \eqcommand{ }{indent}
706 \eqcommand{ }{index}
707 \eqcommand{ }{indexentry}

```



```

708 \eqcommand{      }{indexname}
709 \eqcommand{      }{indexspace}
710 \eqcommand{      }{input}
711 \eqcommand{      }{InputIfFileExists}
712 \eqcommand{      }{inputlineno}
713 \eqcommand{ }{insert}
714 \eqcommand{      }{insertpenalties}
715 \eqcommand{      }{interfootnotelinepenalty}
716 \eqcommand{      }{interdisplaylinepenalty}
717 \eqcommand{      }{interlinepenalty}
718 \eqcommand{      }{intertext}
719 \eqcommand{      }{intertextsep}
720 \eqcommand{ }{invisible}
721 \eqcommand{      }{itdefault}
722 \eqcommand{      }{itshape}
723 \eqcommand{ }{item}
724 \eqcommand{      }{itemindent}
725 \eqcommand{      }{itemsep}
726 \eqcommand{      }{iterate}
727 \eqcommand{      }{itshape}
728 \eqcommand{      }{jobname}
729 \eqcommand{ }{jot}
730 \eqcommand{ }{kern}
731 \eqcommand{ }{kill}
732 \eqcommand{ }{label}
733 \eqcommand{      }{labelenumi}
734 \eqcommand{      }{labelenumii}
735 \eqcommand{      }{labelenumiii}
736 \eqcommand{      }{labelenumiv}
737 \eqcommand{      }{labelitemi}
738 \eqcommand{      }{labelitemii}
739 \eqcommand{      }{labelitemiii}
740 \eqcommand{      }{labelitemiv}
741 \eqcommand{      }{labelsep}
742 \eqcommand{      }{labelwidth}
743 \eqcommand{ }{language}
744 \eqcommand{ }{large}
745 \eqcommand{      }{Large}
746 \eqcommand{      }{LARGE}
747 \eqcommand{      }{lastbox}
748 \eqcommand{      }{lastkern}
749 \eqcommand{      }{lastpenalty}
750 \eqcommand{      }{lastskip}
751 \eqcommand{ }{LaTeX}
752 \eqcommand{ }{LaTeXe}
753 \eqcommand{ }{lccode}
754 \eqcommand{ }{ldots}
755 \eqcommand{ }{leaders}
756 \eqcommand{ }{leavevmode}
757 \eqcommand{ }{left}

```




```

758 \eqcommand{ }{leftmargin}
759 \eqcommand{ }{leftmargini}
760 \eqcommand{ }{leftmarginii}
761 \eqcommand{ }{leftmarginiii}
762 \eqcommand{ }{leftmarginiv}
763 \eqcommand{ }{leftmarginv}
764 \eqcommand{ }{leftmarginvi}
765 \eqcommand{ }{leftmark}
766 \eqcommand{ }{leftpageskip}
767 \eqcommand{ }{leftskip}
768 \eqcommand{ }{let}
769 \eqcommand{ }{line}
770 \eqcommand{ }{linebreak}
771 \eqcommand{ }{linepenalty}
772 \eqcommand{ }{lineskip}
773 \eqcommand{ }{lineskiplimit}
774 \eqcommand{ }{linespread}
775 \eqcommand{ }{linethickness}
776 \eqcommand{ }{linewidth}
777 \eqcommand{ }{listfigurename}
778 \eqcommand{ }{listfiles}
779 \eqcommand{ }{listoffigures}
780 \eqcommand{ }{listoftables}
781 \eqcommand{ }{listparindent}
782 \eqcommand{ }{listtablename}
783 \eqcommand{ }{LoadClass}
784 \eqcommand{ }{LoadClassWithOptions}
785 \eqcommand{ }{location}
786 \eqcommand{ }{long}
787 \eqcommand{ }{looseness}
788 \eqcommand{ }{lower}
789 \eqcommand{@ }{@makeother}
790 \eqcommand{@ }{@m}
791 \eqcommand{ @ }{@M}
792 \eqcommand{ @ }{@Mi}
793 \eqcommand{ @ }{@Mii}
794 \eqcommand{ @ }{@Miii}
795 \eqcommand{ @ }{@Miv}
796 \eqcommand{ @ }{@MM}
797 \eqcommand{ @ }{@m@ne}
798 \eqcommand{ }{mag}
799 \eqcommand{ }{magstep}
800 \eqcommand{ }{magstephalf}
801 \eqcommand{ }{mainmatter}
802 \eqcommand{ }{makeatletter}
803 \eqcommand{ }{makeatother}
804 \eqcommand{ }{makebox}
805 \eqcommand{ }{makeglossary}
806 \eqcommand{ }{makeindex}
807 \eqcommand{ }{makelabel}

```



```

808 \eqcommand{      }{makelabels}
809 \eqcommand{      }{MakeLowercase}
810 \eqcommand{      }{maketitle}
811 \eqcommand{      }{MakeUppercase}
812 \eqcommand{      }{marginpar}
813 \eqcommand{      }{marginparpush}
814 \eqcommand{      }{marginparsep}
815 \eqcommand{      }{marginparwidth}
816 \eqcommand{ }{mark}
817 \eqcommand{      }{markboth}
818 \eqcommand{      }{markright}
819 \eqcommand{      }{mathaccent}
820 \eqcommand{      }{mathchar}
821 \eqcommand{      }{mathchardef}
822 \eqcommand{      }{mathcode}
823 \eqcommand{      }{mathrm}
824 \eqcommand{      }{maxdeadcycles}
825 \eqcommand{      }{maxdepth}
826 \eqcommand{      }{maxdimen}
827 \eqcommand{      }{mbox}
828 \eqcommand{      }{mdseries}
829 \eqcommand{ }{meaning}
830 \eqcommand{ }{mediumseries}
831 \eqcommand{      }{medmuskip}
832 \eqcommand{      }{medskip}
833 \eqcommand{      }{medskipamount}
834 \eqcommand{      }{medspace}
835 \eqcommand{ }{message}
836 \eqcommand{      }{MessageBreak}
837 \eqcommand{      }{minrowclearance}
838 \eqcommand{      }{mkern}
839 \eqcommand{ }{month}
840 \eqcommand{      }{moveleft}
841 \eqcommand{      }{moveright}
842 \eqcommand{      }{mskip}
843 \eqcommand{ @ }{m@th}
844 \eqcommand{      }{multicolumn}
845 \eqcommand{      }{multiply}
846 \eqcommand{      }{multispan}
847 \eqcommand{      }{muskip}
848 \eqcommand{      }{muskipdef}
849 \eqcommand{ @ }{@namedef}
850 \eqcommand{ @ }{@nameuse}
851 \eqcommand{ @ }{@ne}
852 \eqcommand{ }{name}
853 \eqcommand{      }{natural}
854 \eqcommand{      }{nearrow}
855 \eqcommand{      }{nearrower}
856 \eqcommand{      }{NeedsTeXFormat}
857 \eqcommand{      }{neg}

```



```

858 \eqcommand{      }\{negmedspace}
859 \eqcommand{      }\{negthickspace}
860 \eqcommand{      }\{negthinspace}
861 \eqcommand{      }\{newboolean}
862 \eqcommand{      }\{newbox}
863 \eqcommand{      }\{newcommand}
864 \eqcommand{      }\{newcount}
865 \eqcommand{      }\{newcounter}
866 \eqcommand{      }\{newdimen}
867 \eqcommand{      }\{newenvironment}
868 \eqcommand{      }\{newfam}
869 \eqcommand{      }\{newfont}
870 \eqcommand{      }\{newhelp}
871 \eqcommand{      }\{newinsert}
872 \eqcommand{      }\{newlabel}
873 \eqcommand{      }\{newlength}
874 \eqcommand{      }\{newline}
875 \eqcommand{      }\{newlinechar}
876 \eqcommand{      }\{newmuskip}
877 \eqcommand{      }\{newpage}
878 \eqcommand{      }\{newread}
879 \eqcommand{      }\{newsavebox}
880 \eqcommand{      }\{newskip}
881 \eqcommand{      }\{newtheorem}
882 \eqcommand{      }\{newtoks}
883 \eqcommand{      }\{newwrite}
884 \eqcommand{      }\{noalign}
885 \eqcommand{      }\{nobreak}
886 \eqcommand{      }\{nobreakspace}
887 \eqcommand{      }\{nocite}
888 \eqcommand{      }\{noexpand}
889 \eqcommand{      }\{nofiles}
890 \eqcommand{      }\{noindent}
891 \eqcommand{      }\{nointerlineskip}
892 \eqcommand{      }\{nolimits}
893 \eqcommand{      }\{nolinebreak}
894 \eqcommand{      }\{nonstopmode}
895 \eqcommand{      }\{nonfrenchspacing}
896 \eqcommand{      }\{nonumber}
897 \eqcommand{      }\{nopagebreak}
898 \eqcommand{      }\{normalbaselines}
899 \eqcommand{      }\{normalbaselineskip}
900 \eqcommand{      }\{normalcolor}
901 \eqcommand{      }\{normalfont}
902 \eqcommand{      }\{normallineskip}
903 \eqcommand{      }\{normallineskiplimit}
904 \eqcommand{      }\{normalmarginpar}
905 \eqcommand{      }\{normalsize}
906 \eqcommand{      }\{notag}
907 \eqcommand{      }\{null}

```



```

908 \eqcommand{ }{nullfont}
909 \eqcommand{ }{number}
910 \eqcommand{ }{numberline}
911 \eqcommand{ }{numberwithin}
912 \eqcommand{ }{@evenfoot}
913 \eqcommand{ }{@evenhead}
914 \eqcommand{ }{@oddfoot}
915 \eqcommand{ }{@oddhead}
916 \eqcommand{ }{@outeqntrue}
917 \eqcommand{ }{@outeqnfalse}
918 \eqcommand{ }{obeylines}
919 \eqcommand{ }{obeyspaces}
920 \eqcommand{ }{oddsidemargin}
921 \eqcommand{ }{offinterlineskip}
922 \eqcommand{ }{omit}
923 \eqcommand{@ }{@onlypreamble}
924 \eqcommand{ }{onecolumn}
925 \eqcommand{ }{onlynotes}
926 \eqcommand{ }{onlyslides}
927 \eqcommand{ }{openin}
928 \eqcommand{ }{openout}
929 \eqcommand{ }{OptionNotUsed}
930 \eqcommand{ }{or}
931 \eqcommand{ }{outer}
932 \eqcommand{ }{output}
933 \eqcommand{ }{outputpenalty}
934 \eqcommand{ }{overfullrule}
935 \eqcommand{@ }{@preamblecmds}
936 \eqcommand{@ }{p@}
937 \eqcommand{ }{PackageError}
938 \eqcommand{ }{PackageInfo}
939 \eqcommand{ }{PackageWarning}
940 \eqcommand{ }{PackageWarningNoLine}
941 \eqcommand{ }{pagebreak}
942 \eqcommand{ }{pagecolor}
943 \eqcommand{ }{pagedepth}
944 \eqcommand{ }{pagefilllstretch}
945 \eqcommand{ }{pagefillstretch}
946 \eqcommand{ }{pagefilstretch}
947 \eqcommand{ }{pagegoal}
948 \eqcommand{ }{pagename}
949 \eqcommand{ }{pagenumbering}
950 \eqcommand{ }{pageref}
951 \eqcommand{ }{pagerulewidth}
952 \eqcommand{ }{pageshrink}
953 \eqcommand{ }{pagestretch}
954 \eqcommand{ }{pagestyle}
955 \eqcommand{ }{pagetotal}
956 \eqcommand{ }{paperheight}
957 \eqcommand{ }{paperwidth}

```



```

958 \bidi@csdefcs{ }{\par}% this is an exception since \par is redefined only in some circumstances
959 \eqcommand{ }{\paragraph}
960 \eqcommand{ }{\parallel}
961 \eqcommand{ }{\parbox}
962 \eqcommand{ }{\parfillskip}
963 \eqcommand{ }{\parindent}
964 \eqcommand{ }{\parsep}
965 \eqcommand{ }{\parshape}
966 \eqcommand{ }{\parskip}
967 \eqcommand{ }{\part}
968 \eqcommand{ }{\partname}
969 \eqcommand{ }{\partopsep}
970 \eqcommand{ }{\PassOptionToClass}
971 \eqcommand{ }{\PassOptionToPackage}
972 \eqcommand{ }{\path}
973 \eqcommand{ }{\patterns}
974 \eqcommand{ }{\pausing}
975 \eqcommand{ }{\penalty}
976 \eqcommand{ }{\phantom}
977 \eqcommand{ }{\poptabs}
978 \eqcommand{ }{\postdisplaypenalty}
979 \eqcommand{ }{\predisplaydirection}
980 \eqcommand{ }{\predisplaypenalty}
981 \eqcommand{ }{\preplaysize}
982 \eqcommand{ }{\pretolerance}
983 \eqcommand{ }{\prevdepth}
984 \eqcommand{ }{\prevgraf}
985 \eqcommand{ }{\printindex}
986 \eqcommand{ }{\ProcessOptions}
987 \eqcommand{ }{\protect}
988 \eqcommand{ }{\providecommand}
989 \eqcommand{ }{\ProvidesClass}
990 \eqcommand{ }{\ProvidesFile}
991 \eqcommand{ }{\ProvidesPackage}
992 \eqcommand{ }{\pushtabs}
993 \eqcommand{ }{\quad}
994 \eqcommand{ }{\qqquad}
995 \eqcommand{@ }{\@outputpagerestore}
996 \eqcommand{ }{\radical}
997 \eqcommand{ }{\raggedbottom}
998 \eqcommand{ }{\raggedleft}
999 \eqcommand{ }{\raggedright}
1000 \eqcommand{ }{\raise}
1001 \eqcommand{ }{\raisebox}
1002 \eqcommand{ }{\raisetag}
1003 \eqcommand{ }{\rangle}
1004 \eqcommand{ }{\rceil}
1005 \eqcommand{ }{\read}
1006 \eqcommand{ }{\ref}
1007 \eqcommand{ }{\reflectbox}

```



```

1008 \eqcommand{      }{refname}
1009 \eqcommand{      }{refstepcounter}
1010 \eqcommand{ }{relax}
1011 \eqcommand{      }{removelastskip}
1012 \eqcommand{      }{renewcommand}
1013 \eqcommand{ }{renewenvironment}
1014 \eqcommand{      }{RequirePackage}
1015 \eqcommand{      }{RequirePackageWithOptions}
1016 \eqcommand{      }{resizebox}
1017 \eqcommand{      }{reversemarginpar}
1018 \eqcommand{ }{rfloor}
1019 \eqcommand{ }{right}
1020 \eqcommand{      }{rightmargin}
1021 \eqcommand{      }{rightmark}
1022 \eqcommand{      }{rightpageskip}
1023 \eqcommand{      }{rightskip}
1024 \eqcommand{ }{rmdefault}
1025 \eqcommand{      }{rmfamily}
1026 \eqcommand{      }{Roman}
1027 \eqcommand{      }{roman}
1028 \eqcommand{      }{romannumeral}
1029 \eqcommand{      }{rotatebox}
1030 \eqcommand{      }{rowcolor}
1031 \eqcommand{ }{rule}
1032 \eqcommand{@      }{@secondoftwo}
1033 \eqcommand{@      }{@spaces}
1034 \eqcommand{      }{samepage}
1035 \eqcommand{      }{savebox}
1036 \eqcommand{ }{sbox}
1037 \eqcommand{      }{scalebox}
1038 \eqcommand{      }{scdefault}
1039 \eqcommand{      }{scshape}
1040 \eqcommand{      }{setkeys}
1041 \eqcommand{      }{scriptfont}
1042 \eqcommand{      }{scriptscriptfont}
1043 \eqcommand{      }{scriptscriptstyle}
1044 \eqcommand{      }{scriptsize}
1045 \eqcommand{      }{scripstyle}
1046 \eqcommand{      }{scrollmode}
1047 \eqcommand{ }{section}
1048 \eqcommand{      }{secdef}
1049 \eqcommand{      }{see}
1050 \eqcommand{      }{seealso}
1051 \eqcommand{      }{seename}
1052 \eqcommand{      }{selectfont}
1053 \eqcommand{      }{setboolean}
1054 \eqcommand{ }{setbox}
1055 \eqcommand{      }{setcounter}
1056 \eqcommand{      }{setlength}
1057 \eqcommand{      }{setminus}

```



```

1058 \eqcommand{      }{\SetSymbolFont}
1059 \eqcommand{      }{\settodepth}
1060 \eqcommand{      }{\settoheight}
1061 \eqcommand{      }{\settowidth}
1062 \eqcommand{      }{\sfcode}
1063 \eqcommand{      }{\sfdefault}
1064 \eqcommand{      }{\sffamily}
1065 \eqcommand{      }{\shadowbox}
1066 \eqcommand{ }{\sharp}
1067 \eqcommand{ }{\shipout}
1068 \eqcommand{ }{\shortstack}
1069 \eqcommand{ }{\show}
1070 \eqcommand{ }{\showbox}
1071 \eqcommand{ }{\showboxbreadth}
1072 \eqcommand{ }{\showboxdepth}
1073 \eqcommand{ }{\showlists}
1074 \eqcommand{ }{\showthe}
1075 \eqcommand{ }{\simplefontmode}
1076 \eqcommand{ @}{\sist@@n}
1077 \eqcommand{ }{\skewchar}
1078 \eqcommand{ }{\skip}
1079 \eqcommand{ @}{\skip@}
1080 \eqcommand{ }{\skipdef}
1081 \eqcommand{ }{\sl}
1082 \eqcommand{ }{\sldefault}
1083 \eqcommand{ }{\slshape}
1084 \eqcommand{ }{\sloppy}
1085 \eqcommand{ }{\slshape}
1086 \eqcommand{ }{\small}
1087 \eqcommand{ }{\smallskip}
1088 \eqcommand{ }{\smallskipamount}
1089 \eqcommand{ }{\smash}
1090 \eqcommand{ }{\smile}
1091 \eqcommand{ }{\snglfntlocatencode}
1092 \eqcommand{ }{\space}
1093 \eqcommand{ }{\spacefactor}
1094 \eqcommand{ }{\spaceskip}
1095 \eqcommand{ }{\spadesuit}
1096 \eqcommand{ }{\span}
1097 \eqcommand{ }{\special}
1098 \eqcommand{ }{\splitmaxdepth}
1099 \eqcommand{ }{\splittopskip}
1100 \eqcommand{ }{\star}
1101 \eqcommand{ }{\stepcounter}
1102 \eqcommand{ }{\stretch}
1103 \eqcommand{ }{\string}
1104 \eqcommand{ }{\strut}
1105 \eqcommand{ }{\strutbox}
1106 \eqcommand{ }{\subitem}
1107 \eqcommand{ }{\subparagraph}

```



```

1108 \eqcommand{ }{subsection}
1109 \eqcommand{ }{substack}
1110 \eqcommand{ }{subsubitem}
1111 \eqcommand{ }{subsubsection}
1112 \eqcommand{ }{subset}
1113 \eqcommand{ }{subseteq}
1114 \eqcommand{ }{supereject}
1115 \eqcommand{ }{suppressfloats}
1116 \eqcommand{@ }{@tempa}
1117 \eqcommand{@ }{@tempb}
1118 \eqcommand{@ }{@tempc}
1119 \eqcommand{@ }{@tempd}
1120 \eqcommand{@ }{@tempe}
1121 \eqcommand{@ }{@tempboxa}
1122 \eqcommand{@ }{@tempcnta}
1123 \eqcommand{@ }{@tempcntb}
1124 \eqcommand{@ }{@tempdima}
1125 \eqcommand{@ }{@tempdimb}
1126 \eqcommand{@ }{@tempdimc}
1127 \eqcommand{@ }{@tempskipa}
1128 \eqcommand{@ }{@tempskipb}
1129 \eqcommand{@ }{@tempswafalse}
1130 \eqcommand{@ }{@tempswatruel}
1131 \eqcommand{@ }{@temptokena}
1132 \eqcommand{ }{@thefnmark}
1133 \eqcommand{@ }{@thirdofthree}
1134 \eqcommand{ }{tabbingsep}
1135 \eqcommand{ }{tabcolsep}
1136 \eqcommand{ }{tableofcontents}
1137 \eqcommand{ }{tablename}
1138 \eqcommand{ }{tabskip}
1139 \eqcommand{ }{tabularnewline}
1140 \eqcommand{ }{tag}
1141 \eqcommand{ }{telephone}
1142 \eqcommand{ }{TeX}
1143 \eqcommand{ }{text}
1144 \eqcommand{ }{textbullet}
1145 \eqcommand{ }{textfont}
1146 \eqcommand{ }{textemdash}
1147 \eqcommand{ }{textendash}
1148 \eqcommand{ }{textexclamdown}
1149 \eqcommand{ }{textperiodcentered}
1150 \eqcommand{ }{textquestiondown}
1151 \eqcommand{ }{textquotedblleft}
1152 \eqcommand{ }{textquotedblright}
1153 \eqcommand{ }{textquoteleft}
1154 \eqcommand{ }{textquoteright}
1155 \eqcommand{ }{textvisiblespace}
1156 \eqcommand{ }{textbackslash}
1157 \eqcommand{ }{textbar}

```




```

1158 \eqcommand{      }{textgreater}
1159 \eqcommand{      }{textless}
1160 \eqcommand{      }{textbf}
1161 \eqcommand{      }{textcircled}
1162 \eqcommand{      }{textcolor}
1163 \eqcommand{      }{textcompwordmark}
1164 \eqcommand{      }{textfloatsep}
1165 \eqcommand{      }{textfraction}
1166 \eqcommand{      }{textheight}
1167 \eqcommand{      }{textindent}
1168 \eqcommand{      }{textit}
1169 \eqcommand{      }{textmd}
1170 \eqcommand{      }{textnormal}
1171 \eqcommand{      }{textregistered}
1172 \eqcommand{      }{textrm}
1173 \eqcommand{      }{textsc}
1174 \eqcommand{      }{textsf}
1175 \eqcommand{      }{textsl}
1176 \eqcommand{      }{textstyle}
1177 \eqcommand{      }{textsuperscript}
1178 \eqcommand{      }{texttrademark}
1179 \eqcommand{      }{texttt}
1180 \eqcommand{      }{textup}
1181 \eqcommand{      }{textwidth}
1182 \eqcommand{      }{thanks}
1183 \eqcommand{      }{the}
1184 \eqcommand{      }{thempfn}
1185 \eqcommand{      }{thicklines}
1186 \eqcommand{      }{thickmuskip}
1187 \eqcommand{      }{thinmuskip}
1188 \eqcommand{      }{thickspace}
1189 \eqcommand{      }{thinlines}
1190 \eqcommand{      }{thinspace}
1191 \eqcommand{      }{thisfancypage}
1192 \eqcommand{      }{thispagestyle}
1193 \eqcommand{ @}{thr@@}
1194 \eqcommand{ }{tilde}
1195 \eqcommand{ }{tiny}
1196 \eqcommand{ }{time}
1197 \eqcommand{ }{times}
1198 \eqcommand{ }{title}
1199 \eqcommand{ }{to}
1200 \eqcommand{ }{today}
1201 \eqcommand{ }{toks}
1202 \eqcommand{ }{toksdef}
1203 \eqcommand{ }{tolerance}
1204 \eqcommand{ }{top}
1205 \eqcommand{ }{topfigrule}
1206 \eqcommand{ }{topfraction}
1207 \eqcommand{ }{topmargin}

```



```

1208 \eqcommand{      }{topmark}
1209 \eqcommand{      }{toppageskip}
1210 \eqcommand{      }{topsep}
1211 \eqcommand{      }{topskip}
1212 \eqcommand{      }{totalheight}
1213 \eqcommand{      }{tracingall}
1214 \eqcommand{      }{tracingcommands}
1215 \eqcommand{      }{tracinglostchars}
1216 \eqcommand{      }{tracingmacros}
1217 \eqcommand{      }{tracingonline}
1218 \eqcommand{      }{tracingoutput}
1219 \eqcommand{      }{tracingpages}
1220 \eqcommand{      }{tracingparagraphs}
1221 \eqcommand{      }{tracingrestores}
1222 \eqcommand{      }{tracingstats}
1223 \eqcommand{ }{triangle}
1224 \eqcommand{      }{ttdefault}
1225 \eqcommand{      }{tffamily}
1226 \eqcommand{ @}{tw@}
1227 \eqcommand{      }{twocolumn}
1228 \eqcommand{      }{typein}
1229 \eqcommand{      }{typeout}
1230 \eqcommand{      }{uccode}
1231 \eqcommand{      }{uchyph}
1232 \eqcommand{ }{underline}
1233 \eqcommand{      }{unhbox}
1234 \eqcommand{      }{unhcopy}
1235 \eqcommand{      }{unitlength}
1236 \eqcommand{      }{unkern}
1237 \eqcommand{      }{unpenalty}
1238 \eqcommand{      }{unskip}
1239 \eqcommand{      }{unvbox}
1240 \eqcommand{      }{unvcopy}
1241 \eqcommand{      }{updefault}
1242 \eqcommand{      }{upshape}
1243 \eqcommand{      }{usebox}
1244 \eqcommand{      }{usecounter}
1245 \eqcommand{      }{usefont}
1246 \eqcommand{      }{usepackage}
1247 \eqcommand{@}{@vobeyspaces}
1248 \eqcommand{@}{@void}
1249 \eqcommand{      }{vadjust}
1250 \eqcommand{      }{valign}
1251 \eqcommand{      }{value}
1252 \eqcommand{      }{vbadness}
1253 \eqcommand{      }{vbox}
1254 \eqcommand{      }{vcenter}
1255 \eqcommand{      }{verb}
1256 \eqcommand{      }{vfil}
1257 \eqcommand{      }{vfill}

```



```

1258 \eqcommand{   }{vfilneg}
1259 \eqcommand{   }{vfuzz}
1260 \eqcommand{   }{visible}
1261 \eqcommand{   }{vline}
1262 \eqcommand{   }{voffset}
1263 \eqcommand{ @ }{voidb@x}
1264 \eqcommand{   }{vpageref}
1265 \eqcommand{   }{vrboxsep}
1266 \eqcommand{   }{vref}
1267 \eqcommand{ }{vrule}
1268 \eqcommand{   }{vsize}
1269 \eqcommand{   }{vskip}
1270 \eqcommand{   }{vspace}
1271 \eqcommand{   }{vsplit}
1272 \eqcommand{   }{vss}
1273 \eqcommand{   }{vtop}
1274 \eqcommand{ }{wd}
1275 \eqcommand{   }{whiledo}
1276 \eqcommand{   }{widehat}
1277 \eqcommand{   }{widetilde}
1278 \eqcommand{   }{widowpenalty}
1279 \eqcommand{ }{width}
1280 \eqcommand{   }{wlog}
1281 \eqcommand{   }{write}
1282 \eqcommand{@ }{@xobeysp}
1283 \eqcommand{ @ }{@xxxii}
1284 \eqcommand{ }{xdef}
1285 \eqcommand{   }{xleaders}
1286 \eqcommand{   }{xspaceskip}
1287 \eqcommand{ }{year}
1288 \eqcommand{@ }{z@}
1289 \eqcommand{@ }{z@skip}

```

7.19 color-localise-xepersian.def

```

1290 color}          \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1291 0}{rgb}{   }    \0,,0}
1292 1}{rgb}{   }    \1,,1}
1293 1}{rgb}{   }    \0,,0}
1294 0}{rgb}{   }    \1,,0}
1295 0}{rgb}{   }    \0,,1}
1296 1}{cmyk}{   }    \0,,0,0}
1297 0}{cmyk}{   }    \1,,0,0}
1298 0}{cmyk}{   }    \0,,1,0}

```

7.20 xepersian-localise-commands-xepersian.def

```

1299 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation]
1300 \eqcommand{   }{autofootnoterule}
1301 \eqcommand{   }{AutoMathsDigits}
1302 \eqcommand{   }{DefaultMathsDigits}

```



```

1303 \eqcommand{ @ }{keyval@eq@alias@key}
1304 \eqcommand{ }{deflatinfont}
1305 \eqcommand{ }{defpersianfont}
1306 \eqcommand{ }{hboxL}
1307 \eqcommand{ }{hboxR}
1308 \eqcommand{ }{Latincite}
1309 \eqcommand{ }{latinfont}
1310 \eqcommand{ }{latintoday}
1311 \eqcommand{ }{leftfootnoterule}
1312 \eqcommand{ }{lr}
1313 \eqcommand{ }{LRE}
1314 \eqcommand{ }{LTRdblcol}
1315 \eqcommand{ }{LTRfootnote}
1316 \eqcommand{ }{LTRfootnotetext}
1317 \eqcommand{ }{LTRthanks}
1318 \eqcommand{ }{persianday}
1319 \eqcommand{ }{persianfont}
1320 \eqcommand{ }{PersianMathsDigits}
1321 \eqcommand{ }{persianmonth}
1322 \eqcommand{ }{persianyear}
1323 \eqcommand{ }{plq}
1324 \eqcommand{ }{prq}
1325 \eqcommand{ }{rightfootnoterule}
1326 \eqcommand{ }{rl}
1327 \eqcommand{ }{RLE}
1328 \eqcommand{ }{RTLdblcol}
1329 \eqcommand{ }{RTLfootnote}
1330 \eqcommand{ }{RTLfootnotetext}
1331 \eqcommand{ }{RTLthanks}
1332 \eqcommand{@ }{@SepMark}
1333 \eqcommand{ }{SepMark}
1334 \eqcommand{ }{setdefaultbibitems}
1335 \eqcommand{ }{setdefaultmarginpar}
1336 \eqcommand{ }{setdigitfont}
1337 \eqcommand{ }{setfootnoteLR}
1338 \eqcommand{ }{setfootnoteRL}
1339 \eqcommand{ }{setlatintextfont}
1340 \eqcommand{ }{setLTR}
1341 \eqcommand{ }{setLTRbibitems}
1342 \eqcommand{ }{setLTRmarginpar}
1343 \eqcommand{ }{setRTL}
1344 \eqcommand{ }{setRTLbibitems}
1345 \eqcommand{ }{setRTLmarginpar}
1346 \eqcommand{ }{settextfont}
1347 \eqcommand{ }{textwidthfootnoterule}
1348 \eqcommand{ }{twocolumnstableofcontents}
1349 \eqcommand{ }{unsetfootnoteRL}
1350 \eqcommand{ }{unsetLTR}
1351 \eqcommand{ }{unsetRTL}
1352 \eqcommand{ }{vboxL}

```



7.21 enumerate-xepersian.def

7.22 latex-localise-environments-xepersian.def

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```

1398 \eqenvironment{    }\{minipage}
1399 \eqenvironment{    }\{multline}
1400 \eqenvironment{    }\{note}
1401 \eqenvironment{    }\{overlay}
1402 \eqenvironment{    }\{picture}
1403 \eqenvironment{    }\{quotation}
1404 \eqenvironment{    }\{quote}
1405 \eqenvironment{    }\{slide}
1406 \eqenvironment{    }\{sloppypar}
1407 \eqenvironment{    }\{split}
1408 \eqenvironment{    }\{subarray}
1409 \eqenvironment{    }\{tabbing}
1410 \eqenvironment{    }\{table}
1411 \eqenvironment{    }\{*}{table*}
1412 \eqenvironment{    }\{tabular}
1413 \eqenvironment{    }\{*}{tabular*}
1414 \eqenvironment{    }\{thebibliography}
1415 \eqenvironment{    }\{theindex}
1416 \eqenvironment{    }\{titlepage}
1417 \eqenvironment{    }\{trivlist}
1418 \eqenvironment{    }\{verse}

```

7.23 xepersian-localise-environments-xepersian.def

```

1419 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisation]
1420 \eqenvironment{    }\{latin}
1421 \eqenvironment{    }\{LTR}
1422 \eqenvironment{    }\{LTRitems}
1423 \eqenvironment{    }\{modernpoem}
1424 \eqenvironment{    }\{*}{modernpoem*}
1425 \eqenvironment{    }\{persian}
1426 \eqenvironment{    }\{RTL}
1427 \eqenvironment{    }\{RTLitems}
1428 \eqenvironment{    }\{traditionalpoem}
1429 \eqenvironment{    }\{*}{traditionalpoem*}

```

7.24 extarticle-xepersian.def

```

1430 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1431 \renewcommand\thepart    {\@tartibi\c@part}
1432 \renewcommand\appendix{\par
1433   \setcounter{section}{0}%
1434   \setcounter{subsection}{0}%
1435   \gdef\thesection{\@harfi\c@section}}

```

7.25 extbook-xepersian.def

```

1436 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1437 \renewcommand\frontmatter{%
1438   \cleardoublepage
1439   \@mainmatterfalse
1440   \pagenumbering{harfi}}

```



```

1441 \renewcommand \thepart {\@tartibi\c@part}
1442 \renewcommand\appendix{\par
1443   \setcounter{chapter}{0}%
1444   \setcounter{section}{0}%
1445   \gdef\@chapapp{\appendixname}%
1446   \gdef\thechapter{\@harfi\c@chapter}
1447 }%end appendix

```

7.26 extrafootnotefeatures-xepersian.def

```

1448 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafo
1449 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\@nonlatinfalse\latinfont\fi}
1450 \renewcommand{\LTRfoottextfont}{\@nonlatinfalse\footnotesize\latinfont}
1451 \renewcommand{\RTLfoottextfont}{\@nonlatintrue\footnotesize\persianfont}

```

7.27 extreport-xepersian.def

```

1452 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1453 \renewcommand\thepart {\@tartibi\c@part}
1454 \renewcommand\appendix{\par
1455   \setcounter{chapter}{0}%
1456   \setcounter{section}{0}%
1457   \gdef\@chapapp{\appendixname}%
1458   \gdef\thechapter{\@harfi\c@chapter}}

```

7.28 flowfram-xepersian.def

```

1459 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1460 \def\@outputpage{%
1461 \begingroup
1462   \let\protect\noexpand
1463   \@resetactivechars
1464   \global\let\@if@newlist\if@newlist
1465   \global\@newlistfalse\@parboxrestore
1466   \shipout\vbox{\set@typeset@protect
1467     \aftergroup
1468     \endgroup
1469     \aftergroup
1470     \set@typeset@protect
1471     \reset@font\normalsize\normalsfcodes
1472     \let\label\@gobble
1473     \let\index\@gobble
1474     \let\glossary\@gobble
1475     \baselineskip\z@skip
1476     \lineskip\z@skip
1477     \lineskiplimit\z@
1478     \vskip\topmargin\moveright\@themargin
1479     \vbox{%
1480       \vskip\headheight
1481       \vskip\headsep
1482       \box\@outputbox
1483     }}%

```



```

1484 \global\let\if@newlist\@if@newlist
1485 \stepcounter{page}%
1486 \setcounter{displayedframe}{0}%
1487 \let\firstmark\botmark}

```

7.29 footnote-xepersian.def

```

1488 \ProvidesFile{footnote-xepersian.def}[2013/04/26 v0.4 footnote macros for xepersian package]
1489
1490
1491
1492 \long\def\@footnotetext#1{\insert\footins{%
1493   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1494   \reset@font\footnotesize
1495   \interlinepenalty\interfootnotelinepenalty
1496   \splittopskip\footnotesep
1497   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1498   \hsize\columnwidth \@parboxrestore
1499   \protected@edef\@currentlabel{%
1500     \csname p@footnote\endcsname\@thefnmark
1501   }%
1502   \color@begingroup
1503     \@makefntext{%
1504       \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\@nonlatinfalse\latinfont#1\fi
1505     \color@endgroup}}%
1506
1507
1508
1509
1510
1511 \long\def\@RTLfootnotetext#1{\insert\footins{%
1512   \@RTLtrue%
1513   \@nonlatintrue%
1514   \reset@font\footnotesize
1515   \interlinepenalty\interfootnotelinepenalty
1516   \splittopskip\footnotesep
1517   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1518   \hsize\columnwidth \@parboxrestore
1519   \protected@edef\@currentlabel{%
1520     \csname p@footnote\endcsname\@thefnmark
1521   }%
1522   \color@begingroup
1523     \@makefntext{%
1524       \rule\z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1525     \color@endgroup}}%
1526
1527
1528
1529
1530

```




```

1531 \long\def\@LTRfootnotetext#1{\insert\footins{%
1532   \@RTLfalse%
1533   \@nonlatinfalse%
1534   \reset@font\footnotesize
1535   \interlinepenalty\interfootnotelinepenalty
1536   \splittopskip\footnotesep
1537   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1538   \hsize\columnwidth \@parboxrestore
1539   \protected@edef\@currentlabel{%
1540     \csname p@footnote\endcsname\@thefnmark
1541   }%
1542   \color@begingroup
1543     \makefntext{%
1544       \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1545   \color@endgroup}}%
1546
1547 \footdir@temp\footdir@ORG@xepersian@footnotetext\@footnotetext{\bidi@footdir@footnote}%
1548 \footdir@temp\footdir@ORG@xepersian@RTLfootnotetext\@RTLfootnotetext{R}%
1549 \footdir@temp\footdir@ORG@xepersian@LTRfootnotetext\@LTRfootnotetext{L}%
1550
1551
1552
1553 \long\def\@mpfootnotetext#1{%
1554   \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
1555     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1556       \unvbox\@mpfootins
1557       \reset@font\footnotesize
1558       \hsize\columnwidth
1559       \@parboxrestore
1560       \protected@edef\@currentlabel
1561         {\csname p@mpfootnote\endcsname\@thefnmark}%
1562       \color@begingroup
1563         \makefntext{%
1564           \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\@nonlatinfalse\latinfont#1\fi
1565         \color@endgroup}}
1566
1567
1568
1569
1570
1571 \long\def\@mpRTLfootnotetext#1{%
1572   \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footno
1573   \global\setbox\@mpfootins\vbox{\@RTLtrue\@nonlatintrue%
1574     \unvbox\@mpfootins
1575     \reset@font\footnotesize
1576     \hsize\columnwidth
1577     \@parboxrestore
1578     \protected@edef\@currentlabel
1579       {\csname p@mpfootnote\endcsname\@thefnmark}%
1580     \color@begingroup

```



```

1581 \makefnintext{%
1582 \rule\z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1583 \color@endgroup}}
1584
1585
1586 \long\def\@mpLTRfootnotetext#1{%
1587 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\@bidi@mpfootnoterule\left@footnote
1588 \global\setbox\@mpfootins\vbox{\@RTLfalse\@nonlatinfalse%
1589 \unvbox\@mpfootins
1590 \reset@font\footnotesize
1591 \hsize\columnwidth
1592 \@parboxrestore
1593 \protected@edef\@currentlabel
1594 {\csname p@mpfootnote\endcsname\@thefnmark}%
1595 \color@begingroup
1596 \makefnintext{%
1597 \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1598 \color@endgroup}}

```

7.30 framed-xepersian.def

```

1599 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package f
1600 \renewenvironment{titled-frame}[1]{%
1601 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1602 \TitleBarFrame{\textbf{#1}}}%
1603 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1604 \TitleBarFrame[{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$}]{\textbf{#1}}}%
1605 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1606 \TitleBarFrame[{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$}]{\textbf{#1} (\if@R
1607 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1608 \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi)}}}%
1609 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1610 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1611 % could interfere with the width measurement.
1612 {\endMakeFramed}

```

7.31 glossaries-xepersian.def

```

1613 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries p
1614 \glsaddprotectedpagefmt{@harfi}
1615 \glsaddprotectedpagefmt{@tartibi}
1616 \glsaddprotectedpagefmt{@adadi}

```

7.32 hyperref-xepersian.def

```

1617 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1618 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1619 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1620 \def\itemautorefname{\if@RTL else\ item\fi}%
1621 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1622 \def\tableautorefname{\if@RTL else\ Table\fi}%
1623 \def\partautorefname{\if@RTL else\ Part\fi}%

```



```

1624 \def\appendixautorefname{\if@RTL else\    Appendix\fi}%
1625 \def\chapterautorefname{\if@RTL else\    chapter\fi}%
1626 \def\sectionautorefname{\if@RTL else\    section\fi}%
1627 \def\subsectionautorefname{\if@RTL else\    subsection\fi}%
1628 \def\subsubsectionautorefname{\if@RTL else\    subsubsection\fi}%
1629 \def\paragraphautorefname{\if@RTL else\    paragraph\fi}%
1630 \def\subparagraphautorefname{\if@RTL else\    subparagraph\fi}%
1631 \def\FancyVerbLineautorefname{\if@RTL else\    line\fi}%
1632 \def\theoremautorefname{\if@RTL else\    Theorem\fi}%
1633 \def\pageautorefname{\if@RTL else\    page\fi}%
1634 \AtBeginDocument{%
1635 \let\HyOrg@appendix\appendix
1636 \def\appendix{%
1637 \ltx@ifundefined{chapter}%
1638 {\gdef\theHsection{\Alph{section}}}%
1639 {\gdef\theHchapter{\Alph{chapter}}}%
1640 \xdef\Hy@chapapp{\Hy@appendixstring}%
1641 \HyOrg@appendix
1642 }
1643 }
1644 \pdfstringdefDisableCommands{%
1645 \let\lr\@firstofone
1646 \let\rl\@firstofone
1647 \def\XePersian{\XePersian}
1648 }
1649 \ltx@ifundefined{@resets@pp}{%
1650 }{%
1651 \let\HyOrg@resets@pp\@resets@pp
1652 \def\@resets@pp{%
1653 \ltx@ifundefined{chapter}{%
1654 \gdef\theHsection{\Hy@AlphNoErr{section}}%
1655 }{%
1656 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1657 }%
1658 \xdef\Hy@chapapp{\Hy@appendixstring}%
1659 \HyOrg@resets@pp
1660 }%
1661 }

```

7.33 imspc-xepersian.def

```

1662 \ProvidesFile{imspc-xepersian.def}[2015/12/07 v0.4 implementation of imspc class for xeper
1663 \newenvironment{thebibliography}[1]{%
1664 \@bibtitlestyle
1665 \normalfont\bibliofont\labelsep .5em\relax
1666 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
1667 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1668 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
1669 \leftmargin\labelwidth \advance\leftmargin\labelsep
1670 \usecounter{enumiv}}%

```



```

1671 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
1672 \sfcode`\.\=\@m
1673 }{%
1674 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
1675 \endlist
1676 }
1677 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
1678 \columnseprule\z@ \columnsep 35\p@
1679 \@indextitlestyle
1680 \thispagestyle{plain}%
1681 \let\item\@idxitem
1682 \parindent\z@ \parskip\z@\@plus.3\p@\relax
1683 \if@RTL\raggedleft\else\raggedright\fi
1684 \hyphenpenalty\@M
1685 \footnotesize}
1686 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
1687 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
1688 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
1689 \renewcommand \thepart {\@tartibi\c@part}
1690 \def\appendix{\par\c@section\z@ \c@subsection\z@
1691 \let\sectionname\appendixname
1692 \def\thesection{\@harfi\c@section}}
1693 \def\right@footnoterule{%
1694 \kern-.4\p@
1695 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
1696 \kern11\p@\kern-\footnotesep}
1697 \def\left@footnoterule{\kern-.4\p@
1698 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
1699 \def\@makefnmark{%
1700 \leavevmode
1701 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}%
1702 }
1703
1704
1705
1706 \long\def\@footnotetext#1{%
1707 \insert\footins{%
1708 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1709 \normalfont\footnotesize
1710 \interlinepenalty\interfootnotelinepenalty
1711 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1712 \floatingpenalty\@MM \hsize\columnwidth
1713 \@parboxrestore \parindent\normalparindent \sloppy
1714 \protected@edef\@currentlabel{%
1715 \csname p@footnote\endcsname\@thefnmark}%
1716 \@makefnmark}%
1717 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\@nonlatinfalse\latinfont#1\fi\un
1718
1719
1720

```



```

1721
1722
1723 \long\def\@RTLfootnotetext#1{%
1724   \insert\footins{%
1725     \@RTLtrue%
1726     \@nonlatintrue%
1727     \normalfont\footnotesize
1728     \interlinepenalty\interfootnotelinepenalty
1729     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1730     \floatingpenalty\@MM \hsize\columnwidth
1731     \@parboxrestore \parindent\normalparindent \sloppy
1732     \protected@edef\@currentlabel{%
1733       \csname p@footnote\endcsname\@thefnmark}%
1734     \@makefntext{%
1735       \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}
1736
1737
1738
1739
1740
1741
1742
1743 \long\def\@LTRfootnotetext#1{%
1744   \insert\footins{%
1745     \@RTLfalse%
1746     \@nonlatinfalse%
1747     \normalfont\footnotesize
1748     \interlinepenalty\interfootnotelinepenalty
1749     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1750     \floatingpenalty\@MM \hsize\columnwidth
1751     \@parboxrestore \parindent\normalparindent \sloppy
1752     \protected@edef\@currentlabel{%
1753       \csname p@footnote\endcsname\@thefnmark}%
1754     \@makefntext{%
1755       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}
1756
1757 \footdir@temp\footdir@ORG@xepersian@imsproc@footnotetext\@footnotetext{\bidi@footdir@footnote}
1758 \footdir@temp\footdir@ORG@xepersian@imsproc@RTLfootnotetext\@RTLfootnotetext{R}%
1759 \footdir@temp\footdir@ORG@xepersian@imsproc@LTRfootnotetext\@LTRfootnotetext{L}%
1760
1761 \def\part{\@startsection{part}{0}%
1762   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
1763   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
1764 \def\@tocline#1#2#3#4#5#6#7{\relax
1765   \ifnum #1>\c@tocdepth % then omit
1766   \else
1767     \par \addpenalty\@secpenalty\addvspace{#2}%
1768     \begingroup \hyphenpenalty\@M
1769     \@ifempty{#4}{%
1770       \@tempdima\csname r@tocindent\number#1\endcsname\relax

```



```

1771 }{%
1772   \@tempdima#4\relax
1773 }%
1774 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\le
1775 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
1776 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
1777 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
1778 \nobreak
1779 \endgroup
1780 \fi}
1781 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
1782 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
1783 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
1784 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
1785 \def\maketitle{\par
1786 \@topnum\z@ % this prevents figures from falling at the top of page 1
1787 \@setcopyright
1788 \thispagestyle{firstpage}% this sets first page specifications
1789 \uppercase\nonmath\shorttitle
1790 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
1791 \else \andify\shortauthors
1792 \fi
1793 \@maketitle@hook
1794 \begingroup
1795 \@maketitle
1796 \toks@{\xp{\shortauthors}}\@temptokena{\xp{\shorttitle}}%
1797 \toks4{\def\\{\ignorespaces}}% defend against questionable usage
1798 \edef\@tempa{%
1799   \@nx\markboth{\the\toks4
1800     \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
1801 \@tempa
1802 \endgroup
1803 \c@footnote\z@
1804 \@cleartopmattertags
1805 }

```

7.34 kashida-xepersian.def

```

1806 \ProvidesFile{kashida-xepersian.def}[2016/09/09 v0.5 implementation of Kashida for xepersian p
1807 \chardef\xepersian@zwj="200D % zero-width joiner
1808
1809 \chardef\xepersian@D=10 % dual-joiner class
1810 \chardef\xepersian@L=11 % lam
1811 \chardef\xepersian@R=12 % right-joiner
1812 \chardef\xepersian@A=13 % alef
1813 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1814 \newif\if@Kashida@on
1815 \def\xepersian@kashida{\if@Kashida@on\xepersian@zwj\nobreak%
1816   \leaders\hrule height \XeTeXglyphheight2 \the\XeTeXcharglyph"0640 depth \XeTeXglyphheight2
1817

```



```

1818 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1819 \expandafter\dosetclass\charlist,\end}
1820 \def\dosetclass#1,#2\end{%
1821 \def\test{#1}\def\charlist{#2}%
1822 \ifx\test\empty\let\next\finishsetclass
1823 \else \XeTeXcharclass "\test = \theclass
1824 \let\next\dosetclass \fi
1825 \expandafter\next\charlist,,\end}
1826 \def\finishsetclass#1,,\end{}
1827
1828 \setclass \xepersian@A {0622,0623,0625,0627}
1829 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1830 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1831 \setclass \xepersian@O {0633,0634,0635,0636,0637,0638,0639,063A}
1832 \setclass \xepersian@Q {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1833 \setclass \xepersian@P {067E,0686,06A9,06AF,06CC}
1834 \setclass \xepersian@L {0644}
1835 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1836
1837 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1838 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1839 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1840 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1841 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1842 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1843 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1844 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1845
1846 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1847 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1848 \KashidaOn

```

7.35 listings-xepersian.def

```

1849 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1850 \def\lstlistingname{\if@RTL else\ Listing\fi}
1851 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

7.36 loadingorder-xepersian.def

```

1852 \ProvidesFile{loadingorder-xepersian.def}[2012/01/01 v0.3 making sure that xepersian is the la
1853 \bidi@isloaded{algorithmic}
1854 \bidi@isloaded{algorithm}
1855 \bidi@isloaded{backref}
1856 \bidi@isloaded{enumerate}
1857 \bidi@isloaded{tocloft}
1858 \bidi@isloaded{url}
1859 \AtBeginDocument{
1860 \if@bidi@algorithmicloaded\else
1861 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xe
1862 \fi}

```



```

1863 \if@bidi@algorithmloaded@\else
1864 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepe
1865 \fi%
1866 \if@bidi@backrefloaded@\else
1867 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepers
1868 \fi%
1869 \if@bidi@enumerateloaded@\else
1870 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepe
1871 \fi%
1872 \if@bidi@tocloftloaded@\else
1873 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepers
1874 \fi%
1875 \if@bidi@urlloaded@\else
1876 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian
1877 \fi%
1878 }

```

7.37 localise-xepersian.def

```

1879 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1880 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1881 \makezwnjletter
1882 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{
1883 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsna
1884 \@ifpackageloaded{keyval}{%
1885 \newcommand*{keyval@eq@alias@key}[4][KV]{%
1886 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1887 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1888 }{\@ifpackageloaded{xkeyval}{%
1889 \newcommand*{keyval@eq@alias@key}[4][KV]{%
1890 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1891 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1892 }{}}
1893 \input{latex-localise-commands-xepersian.def}
1894 \input{xepersian-localise-commands-xepersian.def}
1895 \input{latex-localise-environments-xepersian.def}
1896 \input{xepersian-localise-environments-xepersian.def}
1897 \input{latex-localise-messages-xepersian.def}
1898 \input{latex-localise-misc-xepersian.def}
1899 \input{packages-localise-xepersian.def}
1900 \aliasfontfeature{ExternalLocation}{ }
1901 \aliasfontfeature{ExternalLocation}{ }
1902 \aliasfontfeature{Renderer}{ }
1903 \aliasfontfeature{BoldFont}{ }
1904 \aliasfontfeature{Language}{ }
1905 \aliasfontfeature{Script}{ }
1906 \aliasfontfeature{UprightFont}{ }
1907 \aliasfontfeature{ItalicFont}{ }
1908 \aliasfontfeature{BoldItalicFont}{ }
1909 \aliasfontfeature{SlantedFont}{ }

```




```

1910 \aliasfontfeature{BoldSlantedFont}{      }
1911 \aliasfontfeature{SmallCapsFont}{      }
1912 \aliasfontfeature{UprightFeatures}{      }
1913 \aliasfontfeature{BoldFeatures}{      }
1914 \aliasfontfeature{ItalicFeatures}{      }
1915 \aliasfontfeature{BoldItalicFeatures}{      }
1916 \aliasfontfeature{SlantedFeatures}{      }
1917 \aliasfontfeature{BoldSlantedFeatures}{      }
1918 \aliasfontfeature{SmallCapsFeatures}{      }
1919 \aliasfontfeature{SizeFeatures}{      }
1920 \aliasfontfeature{Scale}{      }
1921 \aliasfontfeature{WordSpace}{      }
1922 \aliasfontfeature{PunctuationSpace}{      }
1923 \aliasfontfeature{FontAdjustment}{      }
1924 \aliasfontfeature{LetterSpace}{      }
1925 \aliasfontfeature{HyphenChar}{      }
1926 \aliasfontfeature{Color}{      }
1927 \aliasfontfeature{Opacity}{      }
1928 \aliasfontfeature{Mapping}{      }
1929 \aliasfontfeature{Weight}{      }
1930 \aliasfontfeature{Width}{      }
1931 \aliasfontfeature{OpticalSize}{      }
1932 \aliasfontfeature{FakeSlant}{      }
1933 \aliasfontfeature{FakeStretch}{      }
1934 \aliasfontfeature{FakeBold}{      }
1935 \aliasfontfeature{AutoFakeSlant}{      }
1936 \aliasfontfeature{AutoFakeBold}{      }
1937 \aliasfontfeature{Ligatures}{      }
1938 \aliasfontfeature{Alternate}{      }
1939 \aliasfontfeature{Variant}{      }
1940 \aliasfontfeature{Variant}{      }
1941 \aliasfontfeature{CharacterVariant}{      }
1942 \aliasfontfeature{Style}{      }
1943 \aliasfontfeature{Annotation}{      }
1944 \aliasfontfeature{RawFeature}{      }
1945 \aliasfontfeature{CharacterWidth}{      }
1946 \aliasfontfeature{Numbers}{      }
1947 \aliasfontfeature{Contextuals}{      }
1948 \aliasfontfeature{Diacritics}{      }
1949 \aliasfontfeature{Letters}{      }
1950 \aliasfontfeature{Kerning}{      }
1951 \aliasfontfeature{VerticalPosition}{      }
1952 \aliasfontfeature{Fractions}{      }
1953 \aliasfontfeatureoption{Language}{Default}{      }
1954 \aliasfontfeatureoption{Language}{Parsi}{      }
1955 \aliasfontfeatureoption{Script}{Parsi}{      }
1956 \aliasfontfeatureoption{Script}{Latin}{      }
1957 \aliasfontfeatureoption{Style}{MathScript}{      }
1958 \aliasfontfeatureoption{Style}{MathScriptScript}{      }

```



7.38 memoir-xepersian.def

```
1959 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1960 \renewcommand{\@memfront}{%
1961   \smemfront\pagenumbering{harfi}}
1962 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1963 \renewcommand*{\thebook}{\@tartibi\c@book}
1964 \renewcommand*{\thepart}{\@tartibi\c@part}
1965 \renewcommand{\appendix}{\par
1966   \setcounter{chapter}{0}%
1967   \setcounter{section}{0}%
1968   \gdef\chapapp{\appendixname}%
1969   \gdef\thechapter{\@harfi\c@chapter}%
1970   \anappendixtrue}
```

7.39 latex-localise-messages-xepersian.def

```
1971 latex\          \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]
```

7.40 minitoc-xepersian.def

```
1972 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1973 \def\ptctitle{\if@RTL      else\    Table of Contents\fi}%
1974 \def\plftitle{\if@RTL      else\    List of Figures\fi}%
1975 \def\pltttitle{\if@RTL      else\    List of Tables\fi}%
1976 \def\mtctitle{\if@RTL else\    Contents\fi}%
1977 \def\mlftitle{\if@RTL else\    Figures\fi}%
1978 \def\mltttitle{\if@RTL else\    Tables\fi}%
1979 \def\stctitle{\if@RTL else\    Contents\fi}%
1980 \def\slftitle{\if@RTL else\    Figures\fi}%
1981 \def\slttitle{\if@RTL else\    Tables\fi}%

```

7.41 latex-localise-misc-xepersian.def

```
1982 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localis
1983 %}1# \ \
1984 \ @ \ \ @ \ \
1985 \1# \
1986 \1# @\
1987 \1# @\
1988 {\ @ \ \
1989 %}2#1# @\ \
1990 %1# \ \ @\ \ \ \ \
1991 \2# \ \ @\ \
1992 {{2#1# \}}
1993 undefined\ \ \
1994
1995 %{ \ \ \ \1#} \ \} \1# \ \
1996 \ { \ \ \
1997 \ \ \
1998
1999
```



```

2000 \ \ \ \%} \#1
2001 \1#} \ \ \% \
2002 \ \ \ \
2003 }%
2004 \
2005 \ \ \
2006 }
2007 \= \ \
2008
2009
2010 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
2011 \def\@xfloat #1[#2]{%
2012 \@nodocument
2013 \def \@capttype {#1}%
2014 \def \@fps {#2}%
2015 \@onelevel@sanitize \@fps
2016 \def \reserved@a {!}%
2017 \ifx \reserved@a \@fps
2018 \@fpsadddefault
2019 \else
2020 \ifx \@fps \@empty
2021 \@fpsadddefault
2022 \fi
2023 \fi
2024 \ifhmode
2025 \@bsphack
2026 \@floatpenalty -\@Mii
2027 \else
2028 \@floatpenalty -\@Miii
2029 \fi
2030 \ifinner
2031 \@parmoderr\@floatpenalty\z@
2032 \else
2033 \@next\@currbox\@freelist
2034 {%
2035 \@tempcnta \sixt@@n
2036 \expandafter \@tfor \expandafter \reserved@a
2037 \expandafter :\expandafter =\@fps
2038 \do
2039 {%
2040 \if \reserved@a h%
2041 \ifodd \@tempcnta
2042 \else
2043 \advance \@tempcnta \@ne
2044 \fi
2045 \fi
2046 \if \reserved@a %
2047 \ifodd \@tempcnta
2048 \else
2049 \advance \@tempcnta \@ne

```



```

2050         \fi
2051     \fi
2052     \if \reserved@a t%
2053         \@setfpsbit \tw@
2054     \fi
2055     \if \reserved@a %
2056         \@setfpsbit \tw@
2057     \fi
2058     \if \reserved@a b%
2059         \@setfpsbit 4%
2060     \fi
2061     \if \reserved@a %
2062         \@setfpsbit 4%
2063     \fi
2064     \if \reserved@a p%
2065         \@setfpsbit 8%
2066     \fi
2067     \if \reserved@a %
2068         \@setfpsbit 8%
2069     \fi
2070     \if \reserved@a !%
2071         \ifnum \@tempcnta>15
2072             \advance\@tempcnta -\sixt@@n\relax
2073         \fi
2074     \fi
2075     }%
2076     \@tempcntb \csname ftype@\@capytype \endcsname
2077     \multiply \@tempcntb \xxxii
2078     \advance \@tempcnta \@tempcntb
2079     \global \count\@currbox \@tempcnta
2080     }%
2081     \@fltovf
2082 \fi
2083 \global \setbox\@currbox
2084     \color@vbox
2085     \normalcolor
2086     \vbox \bgroup
2087         \hsize\columnwidth
2088         \@parboxrestore
2089         \@floatboxreset
2090 }
2091 \let\bm@ \bm@c
2092 \let\bm@ \bm@l
2093 \let\bm@ \bm@r
2094 \let\bm@ \bm@b
2095 \let\bm@ \bm@t
2096 \let\bm@ \bm@s
2097 \long\def\@iiiparbox#1#2[#3]#4#5{%
2098     \leavevmode
2099     \@pboxswfalse

```



```

2100 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
2101 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
2102 \setlength\@tempdima{#4}%
2103 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
2104 \ifx\relax#2\else
2105 \setlength\@tempdimb{#2}%
2106 \edef\@parboxto{to\the\@tempdimb}%
2107 \fi
2108 \if#1b\vbox
2109 \else\if#1\vbox
2110 \else\if #1t\vtop
2111 \else\if vtop\ #1
2112 \else\ifmmode\vcenter
2113 \else\@pboxswtrue $\vcenter
2114 \fi\fi\fi\fi\fi
2115 \@parboxto{\let\hss\vss\let\unhbox\unvbox
2116 \csname bm@#3\endcsname}%
2117 \if@pboxsw \m@th$\fi
2118 \@end@tempboxa}
2119 \def\@iiiminipage#1#2[#3]#4{%
2120 \leavevmode
2121 \@pboxswfalse
2122 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
2123 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\els
2124 \setlength\@tempdima{#4}%
2125 \def\@mpargs{{#1}{#2}[#3]{#4}}%
2126 \setbox\@tempboxa\vbox\bgroup
2127 \color@begingroup
2128 \hsize\@tempdima
2129 \textwidth\hsize \columnwidth\hsize
2130 \@parboxrestore
2131 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
2132 \let\@footnotetext\@mpfootnotetext
2133 \let\@LTRfootnotetext\@mpLTRfootnotetext
2134 \let\@RTLfootnotetext\@mpRTLfootnotetext
2135 \let\@listdepth\@mplistdepth \@mplistdepth\z@
2136 \@minipagerestore
2137 \@setminipage}
2138 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
2139 \ifnum \@lastchclass=3 5 \else
2140 \z@ \if #1c\@chnum \z@ \else
2141 \if chnum@ \ #1 \z@ \else
2142 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2143 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2144 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2145 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2146 \@chclass \if #1|\@ne \else
2147 \if #1@\tw@ \else
2148 \if #1p3 \else
2149 \if 3 #1 \else \z@ \@preamerr 0\fi

```



```

2150 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2151 \fi}%
2152 }{}
2153 \ifdefinitionfileloaded{array-xetex-bidi}{%
2154 \def\@testpach{\@chclass
2155 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2156 \ifnum \@lastchclass=7 5 \else
2157 \ifnum \@lastchclass=8 \tw@ \else
2158 \ifnum \@lastchclass=9 \thr@@
2159 \else \z@
2160 \ifnum \@lastchclass = 10 \else
2161 \edef\@nextchar{\expandafter\string\@nextchar}%
2162 \@chnum
2163 \if \@nextchar c\z@ \else
2164 \if \@nextchar @z\ \else
2165 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2166 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2167 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2168 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2169 \z@ \@chclass
2170 \if \@nextchar |\@ne \else
2171 \if \@nextchar !6 \else
2172 \if \@nextchar @7 \else
2173 \if \@nextchar <8 \else
2174 \if \@nextchar >9 \else
2175 10
2176 \@chnum
2177 \if \@nextchar m\thr@@\else
2178 \if \@nextchar thr@@\else\
2179 \if \@nextchar p4 \else
2180 \if \@nextchar 4 \else
2181 \if \@nextchar b5 \else
2182 \if \@nextchar 5 \else
2183 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
2184 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
2185 }{}
2186 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
2187 \ifadl@usingarypkg
2188 \def\@testpach{\@chclass
2189 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2190 \ifnum \@lastchclass=7 5 \else
2191 \ifnum \@lastchclass=8 \tw@ \else
2192 \ifnum \@lastchclass=9 \thr@@
2193 \else \z@
2194 \ifnum \@lastchclass = 10 \else
2195 \edef\@nextchar{\expandafter\string\@nextchar}%
2196 \@chnum
2197 \if \@nextchar c\z@ \else
2198 \if \@nextchar @z\ \else
2199 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else

```



```

2200 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2201 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2202 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2203 \z@ \@chclass
2204 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
2205 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
2206 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
2207 \if \@nextchar !6 \else
2208 \if \@nextchar @7 \else
2209 \if \@nextchar <8 \else
2210 \if \@nextchar >9 \else
2211 10
2212 \@chnum
2213 \if \@nextchar m\thr@@\else
2214 \if \@nextchar thr@@\else\
2215 \if \@nextchar p4 \else
2216 \if \@nextchar 4 \else
2217 \if \@nextchar b5 \else
2218 \if \@nextchar 5 \else
2219 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2220 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2221
2222 \def\@classz{\@classx
2223 \@tempcnta \count@
2224 \prepnext@tok
2225 \@addtopreamble{\ifcase \@chnum
2226 \hfil
2227 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2228 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2229 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2230 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2231 \adl@endmbox\or
2232 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2233 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2234 \fi}\prepnext@tok}
2235 \def\adl@class@start{4}
2236 \def\adl@class@iiiorvii{7}
2237
2238 \else
2239 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2240 \ifnum \@lastchclass=\thr@@ 5\relax \else
2241 \z@ \if #1c\@chnum \z@ \else
2242 \if @chnum\z@\ #1 \else
2243 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2244 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2245 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2246 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2247 \@chclass
2248 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2249 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else

```



```

2250             \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2251             \if #1@\tw@ \else
2252             \if #1p\thr@@ \else
2253             \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2254 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2255
2256 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2257 \or \or \@addamp \or
2258 \@acolampacol \or \@firstampfalse \@acol \fi
2259 \edef\@preamble{\@preamble
2260 \ifcase \@chnum
2261 \hfil\adl@putlrc{\$ \relax\@sharp$}\hfil
2262 \or \adl@putlrc{\$ \relax\@sharp$}\hfil
2263 \or \hfil\adl@putlrc{\$ \relax\@sharp$}\fi}}
2264 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2265 \or \or \@addamp \or
2266 \@acolampacol \or \@firstampfalse \@acol \fi
2267 \edef\@preamble{\@preamble
2268 \ifcase \@chnum
2269 \hfil\adl@putlrc{\@sharp\unskip}\hfil
2270 \or \adl@putlrc{\@sharp\unskip}\hfil
2271 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2272 \def\adl@class@start{6}
2273 \def\adl@class@iiiorvii{3}
2274 \fi
2275 }{}
2276 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2277 \def\@testpach{\@chclass
2278 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2279 \ifnum \@lastchclass=7 5 \else
2280 \ifnum \@lastchclass=8 \tw@ \else
2281 \ifnum \@lastchclass=9 \thr@@
2282 \else \z@
2283 \ifnum \@lastchclass = 10 \else
2284 \edef\@nextchar{\expandafter\string\@nextchar}%
2285 \@chnum
2286 \if \@nextchar c\z@ \else
2287 \if \@nextchar @z\ \else
2288 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2289 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2290 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2291 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2292 \if \@nextchar C7 \else
2293 \if \@nextchar 7 \else
2294 \if \@nextchar L8 \else
2295 \if \@nextchar 8 \else
2296 \if \@nextchar R9 \else
2297 \if \@nextchar 9 \else
2298 \if \@nextchar J10 \else
2299 \if \@nextchar 10 \else

```




```

2300 \z@ \@chclass  

2301 \if\@nextchar |\@ne \else  

2302 \if \@nextchar !6 \else  

2303 \if \@nextchar @7 \else  

2304 \if \@nextchar <8 \else  

2305 \if \@nextchar >9 \else  

2306 10  

2307 \@chnum  

2308 \if \@nextchar m\thr@@\else  

2309 \if \@nextchar thr@@\else\  

2310 \if \@nextchar p4 \else  

2311 \if \@nextchar4 \else  

2312 \if \@nextchar b5 \else  

2313 \if \@nextchar 5 \else  

2314 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi  

2315 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%  

2316 }{}  

2317 \@ifdefinitionfileloaded{float-xetex-bidi}{%  

2318 \let\@float@Hx\@xfloat  

2319 \def\@xfloat#1[{\@ifnxtchar{H}\{@float@HH{#1}[]]{\@ifnxtchar{ }\{@float@{1#} []]{\@float@Hx{#1}  

2320 \def\@float@HH#1[H]{%  

2321 \expandafter\let\csname end#1\endcsname\float@endH  

2322 \let\@currbox\float@box  

2323 \def\@captive{#1}\setbox\@floatcapt=\vbox{%  

2324 \expandafter\ifx\csname fst@#1\endcsname\relax  

2325 \flstylefalse\else\flstyletrue\fi  

2326 \setbox\@currbox\color@vbox\normalcolor  

2327 \vbox\bgroup \hspace\columnwidth \@parboxrestore  

2328 \@floatboxreset \@setnobreak  

2329 \ignorespaces}  

2330 \def\@float@[ ]1# {%  

2331 \expandafter\let\csname end#1\endcsname\float@endH  

2332 \let\@currbox\float@box  

2333 \def\@captive{#1}\setbox\@floatcapt=\vbox{%  

2334 \expandafter\ifx\csname fst@#1\endcsname\relax  

2335 \flstylefalse\else\flstyletrue\fi  

2336 \setbox\@currbox\color@vbox\normalcolor  

2337 \vbox\bgroup \hspace\columnwidth \@parboxrestore  

2338 \@floatboxreset \@setnobreak  

2339 \ignorespaces}  

2340 }{}  

2341 \begingroup \catcode `|=0 \catcode `[= 1  

2342 \catcode`=2 \catcode ``={12 \catcode ``}=12  

2343 \catcode``\=12 |gdef|\@xepersian@localize@verbatim#1\[ [ ] |1#{ }  

2344 |gdef|\@sx@xepersian@localize@verbatim#1\[ [* ] |1#{* }  

2345 \endgroup  

2346 \def\ { {\@verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}  

2347 \def\end { {\ifnewlist \leavevmode\fi\endtrivlist}  

2348 \ExplSyntaxOn  

2349 \AtBeginDocument{\@namedef{*}{\@verbatim \fontspec_print_visible_spaces:\@sx@xepersian@

```



```

2350 \ExplSyntaxOff
2351 \expandafter\let\csname end      *\endcsname =\end

```

7.42 natbib-xepersian.def

```

2352 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2353 \renewcommand\NAT@set@cites{%
2354   \ifNAT@numbers
2355     \ifNAT@super \let\@cite\NAT@citesuper
2356     \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2357     \let\citeyearpar=\citeyear
2358     \let\NAT@space\relax
2359     \def\NAT@super@kern{\kern\p@}%
2360   \else
2361     \let\NAT@mbox=\mbox
2362     \let\@cite\NAT@citenum
2363     \let\NAT@space\NAT@spacechar
2364     \let\NAT@super@kern\relax
2365   \fi
2366   \let\@citex\NAT@citexnum
2367   \let\@Latincitex\NAT@Latin@citexnum
2368   \let\@biblabel\NAT@biblabelnum
2369   \let\@bibsetup\NAT@bibsetnum
2370   \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2371   \def\natexlab##1{%
2372     \def\NAT@penalty{\penalty\@m}%
2373   \else
2374     \let\@cite\NAT@cite
2375     \let\@citex\NAT@citex
2376     \let\@Latincitex\NAT@Latin@citex
2377     \let\@biblabel\NAT@biblabel
2378     \let\@bibsetup\NAT@bibsetup
2379     \let\NAT@space\NAT@spacechar
2380     \let\NAT@penalty\@empty
2381     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2382     \def\natexlab##1{##1}%
2383   \fi}
2384 \newcommand\NAT@Latin@citex{}
2385 \def\NAT@Latin@citex%
2386   [#1][#2]#3{%
2387   \NAT@reset@parser
2388   \NAT@sort@cites{#3}%
2389   \NAT@reset@citea
2390   \@citef\lrf\let\NAT@nm\@empty\let\NAT@year\@empty
2391   \@for\@citeb:=\NAT@cite@list\do
2392   {\@safe@activetrue
2393     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2394     \@safe@activesfalse
2395     \@ifundefined{b@\@citeb\@extra@b\@citeb}{\@citea%
2396       {\reset@font\bfseries ?}\NAT@citeundefined

```



```

2397         \PackageWarning{natbib}%
2398         {Citation ` \@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2399 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2400 \NAT@parse{\@citeb}}%
2401 \ifNAT@longnames\@ifundefined{bv@ \@citeb \@extra@b@citeb}{%
2402 \let\NAT@name=\NAT@all@names
2403 \global\@namedef{bv@ \@citeb \@extra@b@citeb}{}}{}%
2404 \fi
2405 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2406 \let\NAT@nm\NAT@name\fi
2407 \ifNAT@swa\ifcase\NAT@ctype
2408 \if\relax\NAT@date\relax
2409 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2410 \else
2411 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2412 \ifx\NAT@last@yr\NAT@year
2413 \def\NAT@temp{}}}%
2414 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2415 {Multiple citation on page \thepage: same authors and
2416 year\MessageBreak without distinguishing extra
2417 letter,\MessageBreak appears as question mark}\fi
2418 \NAT@hyper@{\NAT@exlab}%
2419 \else\unskip\NAT@spacechar
2420 \NAT@hyper@{\NAT@date}%
2421 \fi
2422 \else
2423 \@citea\NAT@hyper@{%
2424 \NAT@nmfmt{\NAT@nm}%
2425 \hyper@natlinkbreak{%
2426 \NAT@aysep\NAT@spacechar}{\@citeb \@extra@b@citeb
2427 }%
2428 \NAT@date
2429 }%
2430 \fi
2431 \fi
2432 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2433 \or\@citea\NAT@hyper@{\NAT@date}%
2434 \or\@citea\NAT@hyper@{\NAT@alias}%
2435 \fi \NAT@def@citea
2436 \else
2437 \ifcase\NAT@ctype
2438 \if\relax\NAT@date\relax
2439 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2440 \else
2441 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2442 \ifx\NAT@last@yr\NAT@year
2443 \def\NAT@temp{}}}%
2444 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2445 {Multiple citation on page \thepage: same authors and
2446 year\MessageBreak without distinguishing extra

```



```

2447         letter,\MessageBreak appears as question mark}\fi
2448         \NAT@hyper@{\NAT@exlab}%
2449     \else
2450         \unskip\NAT@spacechar
2451         \NAT@hyper@{\NAT@date}%
2452     \fi
2453 \else
2454     \@citea\NAT@hyper@{%
2455         \NAT@nmfmt{\NAT@nm}%
2456         \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2457         {\@citeb\@extra@b@citeb}%
2458         \NAT@date
2459     }%
2460 \fi
2461 \fi
2462 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2463 \or\@citea\NAT@hyper@{\NAT@date}%
2464 \or\@citea\NAT@hyper@{\NAT@alias}%
2465 \fi
2466 \if\relax\NAT@date\relax
2467     \NAT@def@citea
2468 \else
2469     \NAT@def@citea@close
2470 \fi
2471 \fi
2472 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2473 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2474 \newcommand\NAT@Latin@citexnum{}
2475 \def\NAT@Latin@citexnum[#1][#2]#3{%
2476     \NAT@reset@parser
2477     \NAT@sort@cites{#3}%
2478     \NAT@reset@citea
2479     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2480         \@for\@citeb:=\NAT@cite@list\do
2481             {\@safe@activestru
2482             \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2483             \@safe@activesfalse
2484             \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2485                 {\reset@font\bfseries?}
2486                 \NAT@citeundefined\PackageWarning{natbib}%
2487                 {Citation ``\@citeb' on page \thepage \space undefined}}%
2488             {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2489             \NAT@parse{\@citeb}%
2490             \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2491                 \let\NAT@name=\NAT@all@names
2492                 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2493             \fi
2494             \ifNAT@full\let\NAT@nm\NAT@all@names\else
2495                 \let\NAT@nm\NAT@name\fi
2496             \ifNAT@swa

```



```

2497 \ifnum{\NAT@ctype>\@ne}{%
2498 \citea
2499 \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2500 }{%
2501 \ifnum{\NAT@cmprs>\z@}{%
2502 \NAT@ifcat@num\NAT@num
2503 {\let\NAT@nm=\NAT@num}%
2504 {\def\NAT@nm{-2}}%
2505 \NAT@ifcat@num\NAT@last@num
2506 {\@tempcnta=\NAT@last@num\relax}%
2507 {\@tempcnta\m@ne}%
2508 \ifnum{\NAT@nm=\@tempcnta}{%
2509 \ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbbox}%
2510 }{%
2511 \advance\@tempcnta by\@ne
2512 \ifnum{\NAT@nm=\@tempcnta}{%
2513 \ifx\NAT@last@yr\relax
2514 \def\NAT@last@yr{\citea}%
2515 \else
2516 \def\NAT@last@yr{--\NAT@penalty}%
2517 \fi
2518 }{%
2519 \NAT@last@yr@mbbox
2520 }%
2521 }%
2522 }{%
2523 \@tempswatrue
2524 \ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}}%
2525 \if@tempswa\NAT@citea@mbbox\fi
2526 }%
2527 }%
2528 \NAT@def@citea
2529 \else
2530 \ifcase\NAT@ctype
2531 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2532 \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbbox{\NAT@super@kern\NAT@@open}%
2533 \fi
2534 \if*#1*\else#1\NAT@spacechar\fi
2535 \NAT@mbbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2536 \NAT@def@citea@box
2537 \or
2538 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2539 \or
2540 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2541 \or
2542 \NAT@hyper@citea@space\NAT@alias
2543 \fi
2544 \fi
2545 }%
2546 }%

```



```

2547 \ifnum{\NAT@cmpr>\z@}{\NAT@last@yr}{}%
2548 \ifNAT@swa\else
2549 \ifnum{\NAT@ctype=\z@}{%
2550 \if*#2*\else\NAT@cmt#2\fi
2551 }{%}%
2552 \NAT@mbox{\NAT@@close}%
2553 \fi
2554 }{#1}{#2}%
2555 }%
2556 \AtBeginDocument{\NAT@set@cites}
2557 \DeclareRobustCommand\Latincite
2558 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2559 \ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2560 \newcommand\NAT@Latin@cites{\ifnextchar [{\NAT@@Latin@@citetp}{%
2561 \ifNAT@numbers\else
2562 \NAT@swafalse
2563 \fi
2564 \NAT@@Latin@@citetp[]}}
2565 \newcommand\NAT@@Latin@@citetp{}
2566 \def\NAT@@Latin@@citetp[#1]{\ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

7.43 packages-localise-xepersian.def

```

2567 packages} \-localise-xepersian.def[2013/04/24 v0.2 localising LaTeX2e Packages]
2568 color} \}{color} @\-localise-xepersian.def}}{}
2569 \@ifpackageloaded{multicol}{%
2570 \newenvironment{ }{\begin{multicols}}{\end{multicols}}}%
2571 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}}%
2572 }{}
2573 \@ifpackageloaded{verbatim}{%
2574 \begingroup
2575 \vrb@catcodes
2576 \lccode`!=`\\ \lccode`=[`{\ \lccode`}=`\\
2577 \catcode`~=\active \lccode`~=\^~M
2578 \lccode`C=`\C
2579 \lowercase{\endgroup
2580 \def\xepersian@localize@verbatim@start#1{%
2581 \verbatim@startline
2582 \if\noexpand#1\noexpand~%
2583 \let\next\xepersian@localize@verbatim@
2584 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2585 \next}%
2586 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2587 \def\xepersian@localize@verbatim@@#1! {%
2588 \verbatim@addtoline{#1}%
2589 \futurelet\next\xepersian@localize@verbatim@@@}%
2590 \def\xepersian@localize@verbatim@@@#1\@nil{%
2591 \ifx\next\@nil
2592 \verbatim@processline
2593 \verbatim@startline

```



```

2594         \let\next\xepersian@localize@verbatim@
2595     \else
2596         \def\@tempa##1!   \@nil{##1}%
2597         \@temptokena{!   }%
2598         \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2599     \fi \next}%
2600 \def\xepersian@localize@verbatim@test#1{%
2601     \let\next\xepersian@localize@verbatim@test
2602     \if\noexpand#1\noexpand~%
2603         \expandafter\verbatim@addtoline
2604         \expandafter{\the\@temptokena}%
2605         \verbatim@processline
2606         \verbatim@startline
2607         \let\next\xepersian@localize@verbatim@
2608     \else \if\noexpand#1
2609         \@temptokena\expandafter{\the\@temptokena#1}%
2610     \else \if\noexpand#1\noexpand[%
2611         \let\@tempc\@empty
2612         \let\next\xepersian@localize@verbatim@testend
2613     \else
2614         \expandafter\verbatim@addtoline
2615         \expandafter{\the\@temptokena}%
2616         \def\next{\xepersian@localize@verbatim@#1}%
2617     \fi\fi\fi
2618     \next}%
2619 \def\xepersian@localize@verbatim@testend#1{%
2620     \if\noexpand#1\noexpand~%
2621         \expandafter\verbatim@addtoline
2622         \expandafter{\the\@temptokena[]}%
2623         \expandafter\verbatim@addtoline
2624         \expandafter{\@tempc}%
2625         \verbatim@processline
2626         \verbatim@startline
2627         \let\next\xepersian@localize@verbatim@
2628     \else\if\noexpand#1\noexpand[%
2629         \let\next\xepersian@localize@verbatim@@testend
2630     \else\if\noexpand#1\noexpand!%
2631         \expandafter\verbatim@addtoline
2632         \expandafter{\the\@temptokena[]}%
2633         \expandafter\verbatim@addtoline
2634         \expandafter{\@tempc}%
2635         \def\next{\xepersian@localize@verbatim@!}%
2636     \else \expandafter\def\expandafter\@tempc\expandafter
2637         {\@tempc#1}\fi\fi\fi
2638     \next}%
2639 \def\xepersian@localize@verbatim@@testend{%
2640     \ifx\@tempc\@currenvir
2641         \verbatim@finish
2642         \edef\next{\noexpand\end{\@currenvir}}%
2643         \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}}%

```



```

2644 \else
2645 \expandafter\verbatim@addtoline
2646 \expandafter{\the\@temptokena[]}%
2647 \expandafter\verbatim@addtoline
2648 \expandafter{\@tempc[]}%
2649 \let\next\xepersian@localize@verbatim@
2650 \fi
2651 \next}%
2652 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2653 \warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2654 \def\ { \begingroup\@verbatim \frenchspacing\@vobeyspaces
2655 \xepersian@localize@verbatim@start}
2656 \@namedef{ *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2657 \def\end { \endtrivlist\endgroup\@doendpe}
2658 \expandafter\let\csname end * \endcsname =\end
2659 }{}
2660 \ExplSyntaxOn
2661 \AtBeginDocument{
2662 \xepersian_localize_patch_verbatim:
2663 }
2664 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2665 \ifpackageloaded{verbatim}{
2666 \cs_set:cpn {* } }
2667 \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@st
2668 }
2669 }{
2670 }
2671 }
2672 \ExplSyntaxOff
2673 \ifpackageloaded{graphicx}{%
2674 \def\Gin@boolkey#1#2{%
2675 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2676 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2true\endcsname}%
2677 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2678 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2false\endcsname}%
2679 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2680 \define@key{Grot}{origin}[c]{%
2681 \@tfor\@tempa:=#1\do{%
2682 \if l\@tempa \Grot@x\z@\else
2683 \if tempa@ \Grot@x\z@\else
2684 \if r\@tempa \Grot@x\width\else
2685 \if tempa@ \Grot@x\width\else
2686 \if t\@tempa \Grot@y\height\else
2687 \if tempa@ \Grot@y\height\else
2688 \if b\@tempa \Grot@y-\depth\else
2689 \if tempa@ \Grot@y-\depth\else
2690 \if B\@tempa \Grot@y\z@\else
2691 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2692 {draft}{ }{Gin} @ \
2693 {origin}{ }{Gin} @ \

```




```

2694 {origin}{ }{Grot} @ \
2695 {clip}{ }{Gin} @ \
2696 {keepaspectratio}{ }{Gin} @ \
2697 {natwidth}{ }{Gin} @ \
2698 {natheight}{ }{Gin} @ \
2699 {bb}{ }{Gin} @ \
2700 {viewport}{ }{Gin} @ \
2701 {trim}{ }{Gin} @ \
2702 {angle}{ }{Gin} @ \
2703 {width}{ }{Gin} @ \
2704 {height}{ }{Gin} @ \
2705 {totalheight}{ }{Gin} @ \
2706 {scale}{ }{Gin} @ \
2707 {type}{ }{Gin} @ \
2708 {ext}{ }{Gin} @ \
2709 {read}{ }{Gin} @ \
2710 {command}{ }{Gin} @ \
2711 {x}{ }{Grot} @ \
2712 {y}{ }{Grot} @ \
2713 {units}{ }{Grot} @ \
2714 {}{}

```

7.44 parsidigits.map

```

2715 LHSName "Digits"
2716 RHSName "ParsiDigits"
2717
2718 pass(Unicode)
2719 U+0030 <> U+06F0 ;
2720 U+0031 <> U+06F1 ;
2721 U+0032 <> U+06F2 ;
2722 U+0033 <> U+06F3 ;
2723 U+0034 <> U+06F4 ;
2724 U+0035 <> U+06F5 ;
2725 U+0036 <> U+06F6 ;
2726 U+0037 <> U+06F7 ;
2727 U+0038 <> U+06F8 ;
2728 U+0039 <> U+06F9 ;
2729
2730
2731 U+002C <> U+060C ; comma > arabic comma
2732 U+003F <> U+061F ; question mark -> arabic qm
2733 U+003B <> U+061B ; semicolon -> arabic semicolon
2734
2735 ; ligatures from Knuth's original CMR fonts
2736 U+002D U+002D <> U+2013 ; -- -> en dash
2737 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2738
2739 U+0027 <> U+2019 ; ' -> right single quote
2740 U+0027 U+0027 <> U+201D ; '' -> right double quote

```



```

2741 U+0022 > U+201D ; " -> right double quote
2742
2743 U+0060 <> U+2018 ; ` -> left single quote
2744 U+0060 U+0060 <> U+201C ; `` -> left double quote
2745
2746 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2747 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2748
2749 ; additions supported in T1 encoding
2750 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2751 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2752 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

7.45 rapport1-xepersian.def

```

2753 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2754 \renewcommand*\thepart{\@tartibi\c@part}
2755 \renewcommand*\appendix{\par
2756   \setcounter{chapter}{0}%
2757   \setcounter{section}{0}%
2758   \gdef\@chapapp{\appendixname}%
2759   \gdef\thechapter{\@harfi\c@chapter}}

```

7.46 rapport3-xepersian.def

```

2760 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2761 \renewcommand*\thepart{\@tartibi\c@part}
2762 \renewcommand*\appendix{\par
2763   \setcounter{chapter}{0}%
2764   \setcounter{section}{0}%
2765   \gdef\@chapapp{\appendixname}%
2766   \gdef\thechapter{\@harfi\c@chapter}}

```

7.47 refrep-xepersian.def

```

2767 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2768 \renewcommand \thepart {\@tartibi\c@part}
2769 \renewcommand\appendix{\par
2770   \setcounter{chapter}{0}%
2771   \setcounter{section}{0}%
2772   \gdef\@chapapp{\appendixname}%
2773   \gdef\thechapter{\@harfi\c@chapter}
2774 }%end appendix

```

7.48 report-xepersian.def

```

2775 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2776 \renewcommand \thepart {\@tartibi\c@part}
2777 \renewcommand\appendix{\par
2778   \setcounter{chapter}{0}%
2779   \setcounter{section}{0}%
2780   \gdef\@chapapp{\appendixname}%
2781   \gdef\thechapter{\@harfi\c@chapter}

```



2782 }%end appendix

7.49 scrartcl-xepersian.def

```
2783 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2784 \renewcommand*{\thepart}{\@tartibi\c@part}
2785 \renewcommand*{\appendix}{\par%
2786   \setcounter{section}{0}%
2787   \setcounter{subsection}{0}%
2788   \gdef\thesection{\@harfi\c@section}%
2789   \csname appendixmore\endcsname
2790 }
2791 \renewcommand*{\@maybeautodot}[1]{%
2792   \ifx #1\@stop\let\@maybeautodot\relax
2793   \else
2794     \ifx #1\harfi \@autodottrue\fi
2795     \ifx #1\adadi \@autodottrue\fi
2796     \ifx #1\tartibi \@autodottrue\fi
2797     \ifx #1\Alph \@autodottrue\fi
2798     \ifx #1\alph \@autodottrue\fi
2799     \ifx #1\Roman \@autodottrue\fi
2800     \ifx #1\roman \@autodottrue\fi
2801     \ifx #1\@harfi \@autodottrue\fi
2802     \ifx #1\@adadi \@autodottrue\fi
2803     \ifx #1\@tartibi \@autodottrue\fi
2804     \ifx #1\@Alph \@autodottrue\fi
2805     \ifx #1\@alph \@autodottrue\fi
2806     \ifx #1\@Roman \@autodottrue\fi
2807     \ifx #1\@roman \@autodottrue\fi
2808     \ifx #1\romannumeral \@autodottrue\fi
2809   \fi
2810   \@maybeautodot
2811 }
```

7.50 scrbook-xepersian.def

```
2812 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2813 \renewcommand*{\frontmatter}{%
2814   \if@twoside\cleardoubleoddpage\else\clearpage\fi
2815   \@mainmatterfalse\pagenumbering{harfi}%
2816 }
2817 \renewcommand*{\thepart}{\@tartibi\c@part}
2818 \renewcommand*{\appendix}{\par%
2819   \setcounter{chapter}{0}%
2820   \setcounter{section}{0}%
2821   \gdef\@chapapp{\appendixname}%
2822   \gdef\thechapter{\@harfi\c@chapter}%
2823   \csname appendixmore\endcsname
2824 }
2825 \renewcommand*{\@maybeautodot}[1]{%
2826   \ifx #1\@stop\let\@maybeautodot\relax
```



```

2827 \else
2828 \ifx #1\harfi \@autodottrue\fi
2829 \ifx #1\adadi \@autodottrue\fi
2830 \ifx #1\tartibi \@autodottrue\fi
2831 \ifx #1\Alph \@autodottrue\fi
2832 \ifx #1\alph \@autodottrue\fi
2833 \ifx #1\Roman \@autodottrue\fi
2834 \ifx #1\roman \@autodottrue\fi
2835 \ifx #1\@harfi \@autodottrue\fi
2836 \ifx #1\@adadi \@autodottrue\fi
2837 \ifx #1\@tartibi \@autodottrue\fi
2838 \ifx #1\@Alph \@autodottrue\fi
2839 \ifx #1\@alph \@autodottrue\fi
2840 \ifx #1\@Roman \@autodottrue\fi
2841 \ifx #1\@roman \@autodottrue\fi
2842 \ifx #1\romannumeral \@autodottrue\fi
2843 \fi
2844 \@maybeautodot
2845 }

```

7.51 scrreprt-xepersian.def

```

2846 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2847 \renewcommand*{\thepart}{\@tartibi\c@part}
2848 \renewcommand*\appendix{\par%
2849 \setcounter{chapter}{0}%
2850 \setcounter{section}{0}%
2851 \gdef\@chapapp{\appendixname}%
2852 \gdef\thechapter{\@harfi\c@chapter}%
2853 \csname appendixmore\endcsname
2854 }
2855 \renewcommand*{\@maybeautodot}[1]{%
2856 \ifx #1\@stop\let\@maybeautodot\relax
2857 \else
2858 \ifx #1\harfi \@autodottrue\fi
2859 \ifx #1\adadi \@autodottrue\fi
2860 \ifx #1\tartibi \@autodottrue\fi
2861 \ifx #1\Alph \@autodottrue\fi
2862 \ifx #1\alph \@autodottrue\fi
2863 \ifx #1\Roman \@autodottrue\fi
2864 \ifx #1\roman \@autodottrue\fi
2865 \ifx #1\@harfi \@autodottrue\fi
2866 \ifx #1\@adadi \@autodottrue\fi
2867 \ifx #1\@tartibi \@autodottrue\fi
2868 \ifx #1\@Alph \@autodottrue\fi
2869 \ifx #1\@alph \@autodottrue\fi
2870 \ifx #1\@Roman \@autodottrue\fi
2871 \ifx #1\@roman \@autodottrue\fi
2872 \ifx #1\romannumeral \@autodottrue\fi
2873 \fi

```



```

2874 \@@maybeautodot
2875 }

```

7.52 soul-xepersian.def

```

2876 \ProvidesFile{soul-xepersian.def}[2015/10/16 v0.1 adaptations for soul package]
2877 \let\SOUL@tt\relax
2878 \newfontface{\SOUL@tt}{Times New Roman}

```

7.53 tkz-linknodes-xepersian.def

```

2879 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes packa
2880 \renewcommand*{\@SetTab}{%
2881 \let\@alph\@latinalph%
2882 \ifnum \value{C@NumTab}>25\relax%
2883 \setcounter{C@NumTab}{1}%
2884 \else%
2885 \stepcounter{C@NumTab}%
2886 \fi%
2887 \setcounter{C@NumGroup}{0}%
2888 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2889 \setboolean{B@FirstLink}{true}
2890 \setboolean{B@NewGroup}{false}
2891 \setcounter{C@NumGroup}{0}
2892 \setcounter{C@CurrentGroup}{0}
2893 \setcounter{NumC@Node}{0}
2894 \setcounter{NumC@Stop}{0}
2895 \setcounter{C@NextNode}{0}
2896 \setcounter{C@CurrentStop}{0}
2897 \setcounter{C@CurrentNode}{0}
2898 }%

```

7.54 tocloft-xepersian.def

```

2899 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2900 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2901 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2902 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2903 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2904 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2905 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2906 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2907 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2908 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2909 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

7.55 xepersian.sty

```

2910 \NeedsTeXFormat{LaTeX2e}
2911 \def\xepersianversion{v17.3}
2912 \def\xepersiandate{2017/02/04}
2913 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2914 Persian typesetting in XeLaTeX]

```



```

2915 \RequirePackage{fontspec}
2916 \RequirePackage{xepersian-persiancal}
2917 \RequirePackage{xepersian-mathsdigitspec}
2918 \RequirePackage{bidi}
2919 \edef\@xepersian@info{*****~J%
2920 * ~J%
2921 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2922 * ~J%
2923 * Description: The package supports Persian~J%
2924 * typesetting, using fonts provided in the~J%
2925 * distribution.~J%
2926 * ~J%
2927 * Copyright (c) 2008--2017 Vafa Khalighi~J%
2928 * ~J%
2929 * \xepersianversion, \xepersiandate~J%
2930 * ~J%
2931 * License: LaTeX Project Public License, version~J%
2932 * 1.3c or higher (your choice)~J%
2933 * ~J%
2934 * Location on CTAN: /macros/xetex/latex/xepersian~J%
2935 * ~J%
2936 * Issue tracker: https://github.com/tex-xet/xepersian/issues~J%
2937 * ~J%
2938 * Support: persian-tex@tug.org~J%
2939 *****}
2940 \typeout{\@xepersian@info}
2941 \edef\xepersian@everyjob{\the\everyjob}
2942 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2943 \edef\@bidi@strip@v\xepersianversion{\expandafter\@gobble\xepersianversion}
2944 \newcommand*{\IfxepersianPackageVersionLater}[1]{%
2945   \ifdim\@bidi@strip@v\xepersianversion pt > #1 pt %
2946     \expandafter\@firstoftwo
2947   \else
2948     \expandafter\@secondoftwo
2949   \fi}
2950 \newcommand*{\IfxepersianPackageVersionBefore}[1]{%
2951   \ifdim\@bidi@strip@v\xepersianversion pt < #1 pt %
2952     \expandafter\@firstoftwo
2953   \else
2954     \expandafter\@secondoftwo
2955   \fi}
2956 \newcommand*{\IfxepersianPackageVersion}[1]{%
2957   \ifdim\@bidi@strip@v\xepersianversion pt = #1 pt %
2958     \expandafter\@firstoftwo
2959   \else
2960     \expandafter\@secondoftwo
2961   \fi}
2962 \def\prq{«}
2963 \def\plq{»}
2964 \def\xepersian@cmds@temp#1{%

```



```

2965 \begingroup\expandafter\expandafter\expandafter\endgroup
2966 \expandafter\ifx\csname xepersian@#1\endcsname\relax
2967 \begingroup
2968 \escapechar=-1 %
2969 \edef\x{\expandafter\meaning\csname#1\endcsname}%
2970 \def\y{#1}%
2971 \def\z##1->{}%
2972 \edef\y{\expandafter\z\meaning\y}%
2973 \expandafter\endgroup
2974 \ifx\x\y
2975 \expandafter\def\csname xepersian@#1\expandafter\endcsname
2976 \expandafter{%
2977 \csname#1\endcsname
2978 }%
2979 \fi
2980 \fi
2981 }%
2982 \xepersian@cmds@temp{shellescape}
2983 \newif\ifwritexviii
2984 \ifnum\xepersian@shellescape=1\relax
2985 \writexviii true
2986 \else
2987 \writexviii false
2988 \fi
2989 \newfontscript{Parsi}{arab}
2990 \newfontlanguage{Parsi}{FAR}
2991 \ExplSyntaxOn
2992
2993 \DeclareDocumentCommand \settextfont { 0{} m 0{} }
2994 {
2995 \fontspec_set_family:Nnn \g__xepersian_persianfont_family {Script=Parsi,Language=Parsi,Mapping=
2996 \tl_set_eq:NN \rmdefault \g__xepersian_persianfont_family
2997 \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
2998 {
2999 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
3000 \exp_not:N \fontfamily { \g__xepersian_persianfont_family }
3001 \exp_not:N \selectfont
3002 }
3003 }
3004 \str_if_eq_x:nnT {\familydefault} {\rmdefault}
3005 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
3006 \normalfont
3007 \ignorespaces
3008 }
3009
3010 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
3011 {
3012 \fontspec_set_family:Nnn \g__xepersian_latinfont_family {Mapping=tex-text,#1,#3} {#2}
3013 \tl_set_eq:NN \rmdefault \g__xepersian_latinfont_family
3014 \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }

```



```

3015 {
3016   \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
3017   \exp_not:N \fontfamily { \g__xepersian_latinfont_family }
3018   \exp_not:N \selectfont
3019 }
3020 }
3021 \str_if_eq_x:nnT {\familydefault} {\rmdefault}
3022 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
3023 \normalfont
3024 \ignorespaces
3025 }
3026
3027 \tl_set_eq:NN \setlatinsansfont \setsansfont
3028 \tl_set_eq:NN \setlatinmonofont \setmonofont
3029
3030 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3031 {
3032   \fontspec_set_family:cnn { \g__xepersian_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Pa
3033   \use:x
3034   {
3035     \exp_not:N \DeclareRobustCommand \exp_not:N #1
3036     {
3037       \exp_not:N \fontfamily { \use:c { \g__xepersian_ \cs_to_str:N #1 _family } }
3038       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
3039       \exp_not:N \selectfont
3040     }
3041   }
3042 }
3043
3044 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3045 {
3046   \fontspec_set_family:cnn { \g__xepersian_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2,#4}
3047   \use:x
3048   {
3049     \exp_not:N \DeclareRobustCommand \exp_not:N #1
3050     {
3051       \exp_not:N \fontfamily { \use:c { \g__xepersian_ \cs_to_str:N #1 _family } }
3052       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
3053       \exp_not:N \selectfont
3054     }
3055   }
3056 }
3057
3058 \newcommand\persiansfdefault{}
3059 \newcommand\persianttdefault{}
3060 \newcommand\iranidfont{}
3061 \newcommand\navardef{}
3062 \newcommand\pookdef{}
3063 \newcommand\sayehdef{}
3064 \DeclareRobustCommand\persiansffamily

```




```

3065         {\not@math@alphabet\persiansffamily\mathpersiansf
3066         \fontfamily\persiansfdefault\selectfont}
3067 \DeclareRobustCommand\persianttfamily
3068         {\not@math@alphabet\persianttfamily\mathpersiantt
3069         \fontfamily\persianttdefault\selectfont}
3070 \DeclareRobustCommand\iraniczfamily
3071         {\not@math@alphabet\iraniczfamily\mathiranicz
3072         \fontfamily\iraniczdefault\selectfont}
3073 \DeclareRobustCommand\navarfamily
3074         {\not@math@alphabet\navarfamily\mathnavar
3075         \fontfamily\navardefault\selectfont}
3076 \DeclareRobustCommand\pookfamily
3077         {\not@math@alphabet\pookfamily\mathpook
3078         \fontfamily\pookdefault\selectfont}
3079 \DeclareRobustCommand\sayehfamily
3080         {\not@math@alphabet\sayehfamily\mathsayeh
3081         \fontfamily\sayehdefault\selectfont}
3082 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3083 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3084 \DeclareTextFontCommand{\textiranicz}{\iraniczfamily}
3085 \DeclareTextFontCommand{\textnavar}{\navarfamily}
3086 \DeclareTextFontCommand{\textpook}{\pookfamily}
3087 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3088
3089 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3090 {
3091   \fontspec_set_family:Nnn \g__xepersian_persiansffamily_family {Script=Parsi,Language=Parsi,M
3092   \tl_set_eq:NN \persiansfdefault \g__xepersian_persiansffamily_family
3093   \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3094   {
3095     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
3096     \exp_not:N \fontfamily { \g__xepersian_persiansffamily_family }
3097     \exp_not:N \selectfont
3098   }
3099   }
3100   \str_if_eq:x:nnT {\familydefault} {\persiansfdefault}
3101   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
3102   \normalfont
3103   \ignorespaces
3104 }
3105
3106 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3107 {
3108   \fontspec_set_family:Nnn \g__xepersian_persianttfamily_family {Script=Parsi,Language=Parsi,M
3109   \tl_set_eq:NN \persianttdefault \g__xepersian_persianttfamily_family
3110   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3111   {
3112     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
3113     \exp_not:N \fontfamily { \g__xepersian_persianttfamily_family }
3114     \exp_not:N \selectfont

```



```

3115 }
3116 }
3117 \str_if_eq_x:nnT {\familydefault} {\persianttdefault}
3118 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
3119 \normalfont
3120 \ignorespaces
3121 }
3122
3123 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3124 {
3125   \fontspec_set_family:Nnn \g__xepersian_navarfamilly_family {Script=Parsi,Language=Parsi,Mapping=Persian}
3126   \tl_set_eq:NN \navardefault \g__xepersian_navarfamilly_family
3127   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3128     {
3129       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
3130       \exp_not:N \fontfamily { \g__xepersian_navarfamilly_family }
3131       \exp_not:N \selectfont
3132     }
3133   }
3134   \str_if_eq_x:nnT {\familydefault} {\navardefault}
3135   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
3136   \normalfont
3137   \ignorespaces
3138 }
3139
3140 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3141 {
3142   \fontspec_set_family:Nnn \g__xepersian_pookfamily_family {Script=Parsi,Language=Parsi,Mapping=Persian}
3143   \tl_set_eq:NN \pookdefault \g__xepersian_pookfamily_family
3144   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3145     {
3146       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
3147       \exp_not:N \fontfamily { \g__xepersian_pookfamily_family }
3148       \exp_not:N \selectfont
3149     }
3150   }
3151   \str_if_eq_x:nnT {\familydefault} {\pookdefault}
3152   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
3153   \normalfont
3154   \ignorespaces
3155 }
3156
3157 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3158 {
3159   \fontspec_set_family:Nnn \g__xepersian_sayehfamily_family {Script=Parsi,Language=Parsi,Mapping=Persian}
3160   \tl_set_eq:NN \sayehdefault \g__xepersian_sayehfamily_family
3161   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3162     {
3163       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
3164       \exp_not:N \fontfamily { \g__xepersian_sayehfamily_family }

```



```

3165 \exp_not:N \selectfont
3166 }
3167 }
3168 \str_if_eq_x:nnT {\familydefault} {\sayehdefault}
3169 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
3170 \normalfont
3171 \ignorespaces
3172 }
3173
3174 \DeclareDocumentCommand \setiraniconfont { O{} m O{} }
3175 {
3176 \fontspec_set_family:Nnn \g__xepersian_iranicfamily_family {Script=Parsi,Language=Parsi,Mapping=
3177 \tl_set_eq:NN \iraniconfont \g__xepersian_iranicfamily_family
3178 \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfont }
3179 {
3180 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
3181 \exp_not:N \fontfamily { \g__xepersian_iranicfamily_family }
3182 \exp_not:N \selectfont
3183 }
3184 }
3185 \str_if_eq_x:nnT {\familydefault} {\iraniconfont}
3186 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
3187 \normalfont
3188 \ignorespaces
3189 }
3190
3191
3192 \ExplSyntaxOff
3193 \def\resetlatinfont{%
3194 \let\normalfont\latinfont%
3195 \let\reset@font\normalfont%
3196 \latinfont}
3197 \def\setpersianfont{%
3198 \let\normalfont\persianfont%
3199 \let\reset@font\normalfont%
3200 \persianfont}
3201 \bidi@newrobustcmd*{\lr}[1]{\LRE{\@nonlatinfalse\latinfont#1}}
3202 \bidi@newrobustcmd*{\rl}[1]{\RLE{\@nonlatintrue\persianfont#1}}
3203 \def\latin{\LTR\LatinAlphs\@nonlatinfalse\@RTL@footnotefalse\resetlatinfont}
3204 \def\endlatin{\endLTR}
3205 \def\persian{\RTL\PersianAlphs\@nonlatintrue\@RTL@footnotetrue\setpersianfont}
3206 \def\endpersian{\endRTL}
3207 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@nonlatinfalse\@RTL@footnotefalse\resetlatinfont}
3208 \newenvironment{persiitems}{\begin{RTLitems}\PersianAlphs\@nonlatintrue\@RTL@footnotetrue\setpersianfont}
3209 \let\originaltoday=\today
3210 \def\latintoday{\lr{\originaltoday}}
3211 \def\today{\rl{\persiantoday}}
3212 \def \@LTRmarginparreset {%
3213 \reset@font
3214 \@nonlatinfalse

```



```

3215      \latinfont
3216      \normalsize
3217      \@minipagetrue
3218      \everypar{\@minipagefalse\everypar{}\beginL}%
3219 }
3220 \DeclareRobustCommand\Latincite{%
3221   \@ifnextchar [{\@tempwattrue\@Latincitex}{\@tempwafalse\@Latincitex[]}]
3222 \def\@Latincitex[#1]#2{\leavevmode
3223   \let\@citea\@empty
3224   \@cite{\lr{\@for\@citeb:=#2\do
3225     {\@citea\def\@citea{\penalty\@m\ }%
3226     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3227     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3228     \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3229     \G@refundefinedtrue
3230     \@latex@warning
3231       {Citation `'\@citeb' on page \thepage \space undefined}}%
3232     {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\}}{#1}}
3233 \def\@outputpage{%
3234 \begingroup          % the \endgroup is put in by \aftergroup
3235   \let \protect \noexpand
3236   \@resetactivechars
3237   \global\let\@if@newlist\if@newlist
3238   \global\@newlistfalse
3239   \@parboxrestore
3240   \shipout \vbox{%
3241     \set@typeset@protect
3242     \aftergroup \endgroup
3243     \aftergroup \set@typeset@protect
3244                                     % correct? or just restore by ending
3245                                     % the group?
3246   \if@specialpage
3247     \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
3248   \fi
3249   \if@twoside
3250     \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
3251     \if@RTLmain
3252       \let\@themargin\evensidemargin
3253     \else
3254       \let\@themargin\oddsidemargin
3255     \fi
3256   \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
3257     \if@RTLmain
3258       \let\@themargin\oddsidemargin
3259     \else
3260       \let\@themargin\evensidemargin
3261     \fi
3262   \fi
3263   \ifx\@thehead\@empty \let\@thehead\hfil \fi
3264   \ifx\@thefoot\@empty \let\@thefoot\hfil \fi

```



```

3265 \else %% not @twoside
3266 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
3267 \ifx\@oddfoot\@empty \let\@thehead\hfil \fi
3268 \fi
3269 \reset@font
3270 \normalsize
3271 \if@RTLmain\@nonlatintrue\setpersianfont\else\@nonlatinfalse\resetlatinfont\fi
3272 \normalsfcodes
3273 \let\label\@gobble
3274 \let\index\@gobble
3275 \let\glossary\@gobble
3276 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
3277 \@begindvi
3278 \vskip \topmargin
3279 \moveright\@themargin \vbox {%
3280 \setbox\@tempboxa \vbox to\headheight{%
3281 \vfil
3282 \color@hbox
3283 \normalcolor
3284 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTL
3285 \color@endbox
3286 }% %% 22 Feb 87
3287 \dp\@tempboxa \z@
3288 \box\@tempboxa
3289 \vskip \headsep
3290 \box\@outputbox
3291 \baselineskip \footskip
3292 \color@hbox
3293 \normalcolor
3294 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTL
3295 \color@endbox
3296 }%
3297 }%
3298 \global\let\if@newlist\@if@newlist
3299 \global \colht \textheight
3300 \stepcounter{page}%
3301 \let\firstmark\botmark
3302 }
3303 \newcommand\twocolumnstableofcontents{%
3304 \if@bidi@csundef{multi@column@out}{%
3305 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for b
3306 \begin{multicols}{2}[\section*{\contentsname}]%
3307 \small
3308 \@starttoc{toc}%
3309 \end{multicols}}%
3310 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3311 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}
3312 \def\figurename{\if@RTL else\ Figure\fi}
3313 \def\tablename{\if@RTL else\ Table\fi}

```



```

3314 \def\contentsname{\if@RTL     else\   Contents\fi}
3315 \def\listfigurename{\if@RTL     else\   List of Figures\fi}
3316 \def\listtablename{\if@RTL     else\   List of Tables\fi}
3317 \def\appendixname{\if@RTL else\   Appendix\fi}
3318 \def\indexname{\if@RTL else\   Index\fi}
3319 \def\refname{\if@RTL else\   References\fi}
3320 \def\abstractname{\if@RTL else\   Abstract\fi}
3321 \def\partname{\if@RTL else\   Part\fi}
3322 \def\datename{\if@RTL else\   Date:\fi}
3323 \def\@and{\if@RTL else\   and\fi}
3324 \def\bibname{\if@RTL else\   Bibliography\fi}
3325 \def\chaptername{\if@RTL else\   Chapter\fi}
3326 \def\ccname{\if@RTL else\   cc\fi}
3327 \def\enclname{\if@RTL else\   encl\fi}
3328 \def\pagename{\if@RTL else\   Page\fi}
3329 \def\headtoname{\if@RTL else\   To\fi}
3330 \def\proofname{\if@RTL else\   Proof\fi}
3331 \def\@Abjad#1{%
3332   \ifcase#1\or or\ or\ or\ %
3333       \or or\ or\ or\ or\ %
3334       \or or\ or\ or\ or\ %
3335       \or or\ or\ or\ %
3336       \or or\ or\ or\ or\ %
3337       \or or\ or\ or\ or\ %
3338       \else\@ctrerr\fi}
3339 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3340 \let\Abjadnumeral\@Abjad
3341 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\ or\
3342 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3343 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3344 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3345 \let\harfinumeral\@harfi
3346 \newcommand{\adadi}[1]{%
3347 \expandafter\@adadi\csname c@#1\endcsname%
3348 }
3349 \newcommand{\@adadi}[1]{%
3350 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}%
3351 }
3352 \let\adadinumeral\@adadi%
3353 \def\xepersian@numberoutofrange#1#2{%
3354 \PackageError{xepersian}{The number `#1' is too large %
3355 to be formatted using xepersian}{The largest possible %
3356 number is 999,999,999.}%
3357 }
3358 \def\xepersian@numberstring#1#2#3#4{%
3359 \ifnum\number#1<\@ne%
3360 #3%
3361 \else\ifnum\number#1<1000000000 %
3362 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3363 \else%

```



```

3364 \xepersian@numberoutofrange{#1}{#4}%
3365 \fi\fi%
3366 }
3367 \def\xepersian@adadi#1#2{%
3368 \expandafter\xepersian@@adadi%
3369 \ifcase%
3370 \ifnum#1<10 1%
3371 \else\ifnum#1<100 2%
3372 \else\ifnum#1<\@m 3%
3373 \else\ifnum#1<\@M 4%
3374 \else\ifnum#1<100000 5%
3375 \else\ifnum#1<1000000 6%
3376 \else\ifnum#1<10000000 7%
3377 \else\ifnum#1<100000000 8%
3378 \else9%
3379 \fi\fi\fi\fi\fi\fi\fi\fi %
3380 \or00000000#1% case 1: Add 8 leading zeros
3381 \or0000000#1% case 2: Add 7 leading zeros
3382 \or000000#1% case 3: Add 6 leading zeros
3383 \or00000#1% case 4: Add 5 leading zeros
3384 \or0000#1% case 5: Add 4 leading zeros
3385 \or000#1% case 6: Add 3 leading zeros
3386 \or00#1% case 7: Add 2 leading zeros
3387 \or0#1% case 8: Add 1 leading zero
3388 \or#1% case 9: Add no leading zeros
3389 \or%
3390 \@nil#2%
3391 \fi%
3392 }
3393 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3394 \ifnum#1#2#3>\z@
3395 \xepersian@milyoongan#1#2#3%
3396 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3397 \fi%
3398 \ifnum#4#5#6>\z@%
3399 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3400 \ifnum#4#5#6>\@ne\fi%
3401 %
3402 \ifnum#7>\z@\ \fi%
3403 \fi%
3404 \xepersian@sadgan#7{#4#5#6}1#9%
3405 }
3406 \def\xepersian@milyoongan#1#2#3{%
3407 \ifnum#1#2#3=\@ne%
3408 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3409 %
3410 %
3411 \else%
3412 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3413 %

```



```

3414 %
3415 \fi%
3416 }
3417 \def\xepersian@sadgan#1#2#3#4#5#6{%
3418 \ifnum#1>\z@%
3419 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3420 %
3421 \ifnum#2#3>\z@\ \fi%
3422 \fi%
3423 \ifnum#2#3<20%
3424 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3425 \else%
3426 \xepersian@dahgan#2%
3427 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3428 #60%
3429 \fi%
3430 }
3431 \def\xepersian@yekani#1{%
3432 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3433 \or or\ or\ or\ or\ or\ %
3434 \or or\ or\ or\ %
3435 \or or\ %fi\
3436 }
3437 \def\xepersian@yekanii#1{%
3438 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3439 }
3440 \def\xepersian@yekanii#1{%
3441 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3442 }
3443 \def\xepersian@yekaniv#1{%
3444 \ifcase#1\@empty\or or\ or\ or\ or\ %
3445 \or or\ or\ %fi\
3446 }
3447 \def\xepersian@dahgan#1{%
3448 \ifcase#1\or or\ or\ or\ %
3449 \or or\ or\ or\ %
3450 \or %fi\
3451 }
3452 \newcommand{\tartibi}[1]{%
3453 \expandafter\@tartibi\csname c@#1\endcsname%
3454 }
3455 \newcommand{\@tartibi}[1]{%
3456 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3457 }
3458 \let\tartibinumeral\@tartibi%
3459 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3460 \ifnum\number#1<\@ne%
3461 #3%
3462 \else\ifnum\number#1<1000000000 %
3463 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%

```




```

3464 \else%
3465 \xepersian@numberoutofrange{#1}{#4}%
3466 \fi\fi%
3467 }
3468 \def\xepersian@adadi@tartibi#1#2{%
3469 \expandafter\xepersian@@adadi@tartibi%
3470 \ifcase%
3471 \ifnum#1<10 1%
3472 \else\ifnum#1<100 2%
3473 \else\ifnum#1<\@m 3%
3474 \else\ifnum#1<\@M 4%
3475 \else\ifnum#1<100000 5%
3476 \else\ifnum#1<1000000 6%
3477 \else\ifnum#1<10000000 7%
3478 \else\ifnum#1<100000000 8%
3479 \else9%
3480 \fi\fi\fi\fi\fi\fi\fi\fi %
3481 \or00000000#1% case 1: Add 8 leading zeros
3482 \or0000000#1% case 2: Add 7 leading zeros
3483 \or000000#1% case 3: Add 6 leading zeros
3484 \or00000#1% case 4: Add 5 leading zeros
3485 \or0000#1% case 5: Add 4 leading zeros
3486 \or000#1% case 6: Add 3 leading zeros
3487 \or00#1% case 7: Add 2 leading zeros
3488 \or0#1% case 8: Add 1 leading zero
3489 \or#1% case 9: Add no leading zeros
3490 \or%
3491 \@nil#2%
3492 \fi%
3493 }
3494 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3495 \ifnum#1#2#3>\z@
3496 \xepersian@milyoongan@tartibi#1#2#3%
3497 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3498 \fi%
3499 \ifnum#4#5#6>\z@%
3500 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3501 \ifnum#4#5#6>\@ne \fi%
3502 %
3503 \ifnum#7>\z@\ \fi%
3504 \fi%
3505 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3506 }
3507 \def\xepersian@milyoongan@tartibi#1#2#3{%
3508 \ifnum#1#2#3=\@ne%
3509 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3510 %
3511 %
3512 \else%
3513 \xepersian@sadgan#1#2#301\xepersian@yekanii%

```



```

3514 %
3515 %
3516 \fi%
3517 }
3518 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3519 \ifnum#1>\z@%
3520 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3521 %
3522 \ifnum#2#3>\z@ \fi%
3523 \fi%
3524 \ifnum#2#3<20%
3525 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3526 \else%
3527 \ifnum#2#3=30%
3528 \xepersian@dahgan@tartibi#2%
3529 \else%
3530 \xepersian@dahgan#2%
3531 \fi%
3532 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
3533 #60%
3534 \fi%
3535 }
3536 \def\xepersian@dahgan@tartibi#1{%
3537 \ifcase#1\or\or\or\or\ %
3538 \or\or\or\or\ %
3539 \or\ %fi\
3540 }
3541 \def\xepersian@tartibi#1{%
3542 \ifcase#1\or\or\or\or\ %
3543 \or\or\or\or\or\ %
3544 \or\or\or\or\ %
3545 \or\or\or\ %
3546 \or\or\or\ %fi\
3547 }
3548 \def\xepersian@yekanv#1{%
3549 \ifcase#1\@empty\or\or\or\or\or\or\ %
3550 \or\or\or\or\or\or\or\ %
3551 \or\or\or\or\or\ %
3552 \or\or\ %fi\
3553 }
3554 \providecommand*\xpg@warning}[1]{%
3555 \PackageWarning{XePersian}%
3556 {#1}}
3557 \if@bidi@csundef{@abjad}{%
3558 \def\@abjad#1{%
3559 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3560 \else
3561 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3562 \else
3563 \ifnum#1<10\expandafter\abj@num@i\number#1%

```



```

3564 \else
3565 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3566 \else
3567 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3568 \else
3569 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3570 \fi
3571 \fi
3572 \fi
3573 \fi
3574 \fi
3575 \fi
3576 }
3577 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3578 \let\abjadnumeral\@abjad
3579 \def\abjad@zero{}
3580 \def\abj@num@i#1{%
3581 \ifcase#1\or or\ or\ or\ %
3582 \or or\ or\ or\ or\ fi\
3583 \ifnum#1=z\abjad@zero\fi}
3584 \def\abj@num@ii#1{%
3585 \ifcase#1\or or\ or\ or\ or\ %
3586 \or or\ or\ or\ or\ fi\
3587 \ifnum#1=z\fi\abj@num@i}
3588 \def\abj@num@iii#1{%
3589 \ifcase#1\or or\ or\ or\ or\ %
3590 \or or\ or\ or\ or\ fi\
3591 \ifnum#1=z\fi\abj@num@ii}
3592 \def\abj@num@iv#1{%
3593 \ifcase#1\or fi\
3594 \ifnum#1=z\fi\abj@num@iii}
3595 }{}
3596 \let\@latinalph\@alph%
3597 \let\@latinAlph\@Alph%
3598 \def\LatinAlphs{%
3599 \let\@alph\@latinalph%
3600 \let\@Alph\@latinAlph%
3601 }
3602 \bidi@AfterEndPreamble{%
3603 \if@bidi@csundef{persianfont}{%
3604 \PackageError{xepersian}{You have not specified any font\MessageBreak
3605 for the main Persian text}{Use '\settextfont' to load a font.}%
3606 }{}
3607 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3608 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3609 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3610 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3611 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3612 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3613 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}

```



```

3614 \@ifpackageloaded{bidityftesidenote}{\input{bidityftesidenote-xepersian.def}}{\input{footnote-
3615 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3616 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3617 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3618 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3619 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3620 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3621 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3622 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3623 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3624 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{}{\input{tocloft-xepersian.def}}{}
3625 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3626 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3627 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3628 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3629 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3630 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3631 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3632 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3633 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3634 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3635 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3636 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3637 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3638 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3639 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3640 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3641 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3642 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3643 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3644 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3645 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3646 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3647 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3648 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default
3649 \ifcase\xepersian@tempb\relax
3650 \AutoMathsDigits
3651 \or
3652 \DefaultMathsDigits
3653 \or
3654 \PersianMathsDigits
3655 \fi}
3656 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3657 \ifcase\xepersian@tempb\relax
3658 \RTLtrue
3659 \or
3660 \RTLfalse
3661 \fi}
3662
3663 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttol

```



```

3664 \ifcase\xepersian@tempb\relax
3665 \RTLtrue
3666 \or
3667 \RTLfalse
3668 \fi}
3669
3670
3671 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft
3672 \ifcase\xepersian@tempb\relax
3673 \RTLtabtrue
3674 \or
3675 \RTLtabfalse
3676 \fi}
3677
3678 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[lat
3679 \ifcase\xepersian@tempb\relax
3680 \@nonlatinfalse
3681 \or
3682 \@nonlatintrue
3683 \fi}
3684
3685 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3686 \ifcase\xepersian@tempb\relax
3687 \RTLtrue
3688 \or
3689 \RTLfalse
3690 \fi}
3691 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,lef
3692 \ifcase\xepersian@tempb\relax
3693 \autofootnoterule
3694 \or
3695 \leftfootnoterule
3696 \or
3697 \rightfootnoterule
3698 \or
3699 \SplitFootnoteRule
3700 \or
3701 \textwidthfootnoterule
3702 \fi}
3703 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttol
3704 \ifcase\xepersian@tempb\relax
3705 \RTL@footnotetrue
3706 \or
3707 \RTL@footnotefalse
3708 \fi}
3709 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,
3710 \ifcase\xepersian@tempb\relax
3711 \footdir@debugtrue
3712 \or
3713 \footdir@debugfalse

```



```

3714 \fi}
3715 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3716 \ifcase\xepersian@tempb\relax
3717 \input{kashida-xepersian.def}
3718 \fi}
3719 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3720 \ifcase\xepersian@tempb\relax
3721 \input{localise-xepersian.def}
3722 \fi}
3723 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3724 \ifcase\xepersian@tempb\relax
3725 \@extrafootnotefeaturestrue
3726 \or
3727 \@extrafootnotefeaturesfalse
3728 \fi}
3729 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3730 \ifcase\xepersian@tempb\relax
3731 \PackageWarning{xepersian}{Obsolete option}%
3732 \ifwritexviii%
3733 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3734 \renewcommand\printindex{\newpage%
3735 \immediate\closeout\@indexfile
3736 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.
3737 \@input@{\jobname.ind}}}%
3738 \else
3739 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "
3740 \fi
3741 \fi}
3742 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3743 \ifcase\xepersian@tempb\relax
3744 \ifwritexviii%
3745 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3746 \renewcommand\printindex{\newpage%
3747 \immediate\closeout\@indexfile
3748 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobnam
3749 \@input@{\jobname.ind}}}%
3750 \else
3751 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3752 \fi
3753 \fi}
3754 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3755 \ifcase\xepersian@tempb\relax
3756 \ifwritexviii%
3757 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3758 \renewcommand\printindex{\newpage%
3759 \immediate\closeout\@indexfile
3760 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
3761 \@input@{\jobname.ind}}}%
3762 \else
3763 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run

```



```

3764         \fi
3765     \fi}
3766 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3767     \ifcase\xepersian@tempb\relax
3768         \def\PersianAlphs{%
3769             \let\@alph\@abjad%
3770             \let\@Alph\@abjad%
3771         }
3772     \or
3773         \def\PersianAlphs{%
3774             \let\@alph\@Abjad%
3775             \let\@Alph\@Abjad%
3776         }
3777     \fi}
3778 \DeclareOptionX{defaultlatinfontfeatures}{%
3779 \defaultfontfeatures
3780 [\latinfont]
3781 {#1}
3782 }
3783
3784 \ExecuteOptionsX{%
3785     documentdirection=righttoleft,
3786     tabledirection=righttoleft,
3787     script=nonlatin,
3788     footnotedirection=righttoleft,
3789     footnoterule=automatic,
3790     abjadvariant=two
3791 }
3792
3793 \ProcessOptionsX
3794
3795 \if@extrafootnotefeatures
3796     \input{extrafootnotefeatures-xetex-bidi.def}
3797     \input{extrafootnotefeatures-xepersian.def}
3798 \fi
3799
3800 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3801 \PersianAlphs

```

7.56 xepersian-magazine.cls

```

3802 \NeedsTeXFormat{LaTeX2e}
3803 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3804 \RequirePackage{ifthen}
3805 \newlength{\xepersian@imgsize}
3806 \newlength{\xepersian@coltitsize}
3807 \newlength{\xepersian@pageneed}
3808 \newlength{\xepersian@pageleft}
3809 \newlength{\xepersian@indexwidth}
3810 \newcommand{\xepersian@ncolumns}{0}

```



```

3811 \newlength{\columnlines}
3812 \setlength{\columnlines}{0 pt} % no lines by default
3813 \newboolean{xepersian@hyphenatedtitles}
3814 \setboolean{xepersian@hyphenatedtitles}{true}
3815 \newboolean{xepersian@ninepoints}
3816 \setboolean{xepersian@ninepoints}{false}
3817 \newboolean{xepersian@showgrid}
3818 \setboolean{xepersian@showgrid}{false}
3819 \newboolean{xepersian@a3paper}
3820 \setboolean{xepersian@a3paper}{false}
3821 \newboolean{xepersian@insidefrontpage}
3822 \setboolean{xepersian@insidefrontpage}{false}
3823 \newboolean{xepersian@insideweather}
3824 \setboolean{xepersian@insideweather}{false}
3825 \newboolean{xepersian@insideindex}
3826 \setboolean{xepersian@insideindex}{false}
3827 \newcount\xepersian@gridrows
3828 \newcount\xepersian@gridcolumns
3829 \xepersian@gridrows=40
3830 \xepersian@gridcolumns=50
3831 \newcount\minraggedcols
3832 \minraggedcols=5
3833 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3834 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3835 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3836 \DeclareOption{twocolumn}%
3837 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3838 \DeclareOption{notitlepage}%
3839 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3840 \DeclareOption{twoside}%
3841 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3842 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3843 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3844 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3845 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3846 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3847 \ProcessOptions\relax
3848 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3849 \RequirePackage{ifxetex}
3850 \RequirePackage{multido}
3851 \RequirePackage{datetime}
3852 \RequirePackage{multicol}
3853 \RequirePackage{fancyhdr}
3854 \RequirePackage{fancybox}
3855 \ifthenelse{\boolean{xepersian@a3paper}}{%
3856 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3857 }{
3858 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3859 }
3860 \RequirePackage[absolute]{textpos} % absolute positioning

```




```

3861 \RequirePackage{hyphenat} % when hyphenate
3862 \RequirePackage{lastpage} % to know the last page number
3863 \RequirePackage{setspace} % set space between lines
3864 \RequirePackage{ragged2e}
3865 \newcommand{\raggedFormat}{\RaggedLeft}
3866 \AtEndOfClass{\xepersianInit}
3867 \ifthenelse{\boolean{xepersian@showgrid}}{%
3868 \AtBeginDocument{
3869 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3870 \advance\minraggedcols by -1
3871 }{%
3872 \AtBeginDocument{
3873 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3874 \advance\minraggedcols by -1
3875 }
3876 \ifthenelse{\boolean{xepersian@ninepoints}}{
3877 \renewcommand{\normalsize}{%
3878 \setfontsize{\normalsize}{9pt}{10pt}%
3879 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3880 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3881 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3882 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3883
3884 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
3885
3886 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
3887
3888 \renewcommand{\small}{%
3889 \setfontsize{\small}{8pt}{9pt}%
3890 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3891 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3892 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3893 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3894
3895 \renewcommand{\footnotesize}{%
3896 \setfontsize{\footnotesize}{8pt}{9pt}%
3897 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3898 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3899 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3900 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3901
3902 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
3903 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
3904 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
3905 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
3906 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
3907 }{}
3908 \def\customwwwTxt#1{\gdef\customwwwTxt{\lr{#1}}}
3909 \newcommand{\xepersian@wwwFormat}{\sfamily}
3910 \newcommand{\xepersian@www}{%

```



```

3911 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
3912 }
3913 \newcommand{\xepersian@edition}{
3914 \newcommand{\editionFormat}{\large\bfseries\texttt}
3915 \newcommand{\xepersian@editionLogo}{%
3916 \raisebox{-3pt}{%
3917 {\editionFormat\xepersian@edition}%
3918 }%
3919 }
3920 \newcommand{\indexFormat}{\large\bfseries}
3921 \newcommand{\xepersian@indexFrameTitle}[1]
3922 {\begin{flushright}{\indexFormat #1}\end{flushright}}
3923
3924 \newcommand{\indexEntryFormat}{\normalsize}
3925 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3926 {\indexEntryFormat\noindent\ignorespaces{#1}}%
3927 \end{minipage}}
3928 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3929 \newcommand{\indexEntryPageTxt}{
3930 \newcommand{\indexEntryPageFormat}{\footnotesize}
3931 \newcommand{\xepersian@indexEntryPage}[1]{%
3932 {\indexEntryPageFormat{\indexEntryPageTxt{#1}}%
3933 }
3934 \newcommand{\headDateTimeFormat}{
3935 \newcommand{\xepersian@headDateTime}{%
3936 \headDateTimeFormat\date\hspace{5pt}\$ \parallel \$\hspace{5pt}%
3937 \currenttime %
3938 }
3939 \newcommand{\weatherFormat}{\bfseries}
3940 \newcommand{\xepersian@weather}[1]{%
3941 \noindent{\weatherFormat #1}%
3942 }
3943 \newcommand{\weatherTempFormat}{\small}
3944 \newcommand{\weatherUnits}{\textdegree{C}}
3945 \newcommand{\xepersian@section}[0]{
3946 \newcommand{\xepersian@headleft}{%
3947 {\small\bfseries \@custommagazinename} \date
3948 }
3949 \newcommand{\xepersian@headcenter}{%
3950 \xepersian@section{
3951 }
3952 \newcommand{\xepersian@headright}{%
3953 \small\xepersian@edition%
3954 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3955 }
3956
3957 \newcommand{\heading}[3]{%
3958 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3959 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3960 \renewcommand{\xepersian@headright}{\beginR#3\endR}%

```



```

3961 }
3962 \newcommand{\xepersian@footright}{\%
3963 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}\%
3964 }
3965 \newcommand{\xepersian@footcenter}{\%
3966 }
3967 \newcommand{\xepersian@footleft}{\%
3968 }
3969
3970 \newcommand{\foot}[3]{\%
3971 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3972 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3973 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3974 }
3975 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3976 \newcommand{\xepersian@firstTitle}[1]{\%
3977 {\%
3978 \begin{spacing}{2.0}{\%
3979 \noindent\ignorespaces
3980 \ifthenelse{boolean{xepersian@hyphenatedtitles}}{\%
3981 {\nohyphens{\firstTitleFormat #1}}{\%
3982 {\firstTitleFormat #1}}{\%
3983 }{\%
3984 \end{spacing}}{\%
3985 }{\%
3986 }
3987 \newcommand{\firstTextFormat}{\%
3988 \newcommand{\xepersian@firstText}[1]{\%
3989 {\noindent\ignorespaces\firstTextFormat #1}}{\%
3990 }
3991 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3992 \newcommand{\xepersian@secondTitle}[1]{\%
3993 \begin{spacing}{1.5}{\%
3994 \noindent\ignorespaces\flushright
3995 \ifthenelse{boolean{xepersian@hyphenatedtitles}}{\%
3996 {\nohyphens{\secondTitleFormat #1}}{\%
3997 {\secondTitleFormat #1}}{\%
3998 }\end{spacing}}{\%
3999 }
4000 \newcommand{\secondSubtitleFormat}{\large}
4001 \newcommand{\xepersian@secondSubtitle}[1]{\%
4002 {\noindent\ignorespaces{\secondSubtitleFormat #1}}{\%
4003 }
4004 \newcommand{\secondTextFormat}{\%
4005 \newcommand{\xepersian@secondText}[1]{\%
4006 \begin{multicols}{2}
4007 {\noindent\ignorespaces\secondTextFormat #1}
4008 \end{multicols}
4009 }
4010 \newcommand{\thirdTitleFormat}{\Large\bfseries}

```



```

4011 \newcommand{\xepersian@thirdTitle}[1]{%
4012 \begin{spacing}{1.5}{%
4013 \noindent\ignorespaces\flushright
4014 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4015 {\nohyphens{\thirdTitleFormat #1}}%
4016 {\thirdTitleFormat #1}}%
4017 }\end{spacing}%
4018 }
4019 \newcommand{\thirdSubtitleFormat}{\large}
4020 \newcommand{\xepersian@thirdSubtitle}[1]{%
4021 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4022 \newcommand{\thirdTextFormat}{}
4023 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4024 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4025 \newcommand{\xepersian@pictureCaption}[1]{%
4026 {\noindent\pictureCaptionFormat #1}}%
4027 }
4028 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4029 \newcommand{\xepersian@pages}[1]{%
4030 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4031 \newcommand{\innerTitleFormat}{\Huge}
4032 \newcommand{\xepersian@innerTitle}[1]{%
4033 \begin{flushright}{%
4034 \noindent
4035 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4036 {\nohyphens{\innerTitleFormat #1}}%
4037 {\innerTitleFormat #1}}%
4038 }%
4039 \\\%
4040 \end{flushright}}%
4041 }
4042 \newcommand{\innerSubtitleFormat}{\large}
4043 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4044 \newcommand{\timestampTxt}{}
4045 \newcommand{\timestampSeparator}{|}
4046 \newcommand{\timestampFormat}{\small}
4047 \newcommand{\timestamp}[1]{%
4048 {\timestampFormat%
4049 #1~\timestampTxt}%
4050 }~\timestampSeparator}%
4051 }
4052 \newcommand{\innerAuthorFormat}{\footnotesize}
4053 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4054 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4055 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4056 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4057 \newcommand{\editorialAuthorFormat}{\textsc}
4058 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4059 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4060 \newcommand{\shortarticleSubtitleFormat}{\Large}

```



```

4061 \newcommand{\xepersian@shortarticleSubtitle}[1]{\{\shortarticleSubtitleFormat #1\}}
4062 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4063 \newcommand{\xepersian@shortarticleItemTitle}[1]{\{\shortarticleItemTitleFormat #1\}}
4064 \renewcommand{\maketitle}{\begin{titlepage}%
4065   \let\footnotesize\small
4066   \let\footnoterule\relax
4067   \let \footnote \thanks
4068   \null\vfil
4069   \vskip 60\p@
4070   \begin{center}%
4071     {\LARGE \@title \par}%
4072     \vskip 1em%
4073     {\LARGE «\xepersian@edition» \par}%
4074     \vskip 3em%
4075     {\large
4076       \lineskip .75em%
4077       \begin{tabular}[t]{c}%
4078         \@author
4079       \end{tabular}\par}%
4080       \vskip 1.5em%
4081       {\large \@date \par}%
4082     \end{center}\par
4083     \@thanks
4084     \vfil\null
4085   \end{titlepage}%
4086   \setcounter{footnote}{0}%
4087   \global\let\thanks\relax
4088   \global\let\maketitle\relax
4089   \global\let\@thanks\@empty
4090   \global\let\@author\@empty
4091   \global\let\@date\@empty
4092   \global\let\@title\@empty
4093   \global\let\title\relax
4094   \global\let\author\relax
4095   \global\let\date\relax
4096   \global\let\and\relax
4097 }
4098 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4099 \newsavebox{\xepersian@fmbox}
4100 \newenvironment{xepersian@fmpage}[1]
4101   {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4102   {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4103 \newcommand{\image}[2]{
4104   \vspace{5pt}
4105   \setlength{\fboxsep}{1pt}
4106   \addtolength{\xepersian@imgsize}{\columnwidth}
4107   \addtolength{\xepersian@imgsize}{-1\columnsep}
4108   \ifxetex
4109     \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4110     \addtolength{\xepersian@pageneed}{50pt}

```



```

4111 \ClassWarning{xepersian-magazine}{%
4112 Image #1 needs: \the\xepersian@pageneed \space %
4113 and there is left: \the\page@free\space%
4114 }
4115 \ifdim \xepersian@pageneed < \page@free
4116
4117 {\centering\fbbox{%
4118 \includegraphics[width = \xepersian@imgsize,
4119 height = \xepersian@imgsize,
4120 keepaspectratio ]{#1}}
4121 \xepersian@pictureCaption{#2}
4122
4123 \vspace{5pt}
4124 \else
4125 \ClassWarning{Image #1 needs more space!%
4126 It was not inserted!}
4127 \fi
4128 \fi
4129 }
4130 \textblockorigin{1cm}{1cm}
4131 \newdimen\xepersian@dx
4132 \newdimen\xepersian@dy
4133 \newcount\xepersian@cx
4134 \newcount\xepersian@cy
4135 \newcommand{\grid}[3][ ]{
4136 \xepersian@dx=\textwidth%
4137 \xepersian@dy=\textheight%
4138 \xepersian@cx=#3% %columns
4139 \xepersian@cy=#2% %rows
4140
4141 \count1=#3%
4142 \advance\count1 by 1
4143
4144 \count2=#2%
4145 \advance\count2 by 1
4146
4147 \divide\xepersian@dx by #3
4148 \divide\xepersian@dy by #2
4149
4150 \setlength{\TPHorizModule}{\xepersian@dx}
4151 \setlength{\TPVertModule}{\xepersian@dy}
4152
4153 \ifthenelse{\equal{#1}{show}}{
4154 \multido{\xepersian@nrow=0+1}{\count2}{
4155 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4156 \rule[0pt]{\textwidth}{.1pt}
4157 \end{textblock}
4158 }
4159
4160 \multido{\xepersian@ncol=0+1}{\count1}{

```



```

4161 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4162 \rule[0pt]{.1pt}{\textheight}
4163 \end{textblock}
4164 }
4165 }{}
4166 }
4167 \newcommand{\xepersianInit}{
4168 \setlength{\headheight}{14pt}
4169 \renewcommand{\headrulewidth}{0.4pt}
4170
4171 \pagestyle{fancy}
4172
4173 \setlength{\columnseprule}{\columnlines}
4174 \setlength{\fboxrule}{0.1 pt}
4175
4176 }
4177
4178 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4179 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4180 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4181 \newcommand{\logo}[0]{
4182 %% Heading %%
4183 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4184
4185 \vspace*{-3pt}
4186
4187 {\Large\bfseries \@customlogo}
4188 \hrulefill
4189 \hspace{10pt}\xepersian@headDateTime
4190
4191 }
4192 \newcommand{\minilogo}[0]{
4193 {\large\bfseries \@customminilogo}
4194
4195 \vspace*{5pt}
4196 }
4197 \newcommand{\mylogo}[1]{
4198 {\beginR#1\endR}
4199
4200 \noindent
4201 \xepersian@editionLogo\hspace{5pt}
4202 \hrulefill
4203 \hspace{5pt}\xepersian@headDateTime
4204 }
4205 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4206 \newenvironment{frontpage}[0]
4207 {
4208 \setboolean{xepersian@insidefrontpage}{true}
4209 \thispagestyle{empty}
4210 \logo

```



```

4211
4212 }%
4213 {
4214 \thispagestyle{empty}
4215 \clearpage
4216 \newpage
4217 \fancyhead{}
4218 \fancyfoot{}
4219 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4220 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4221 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4222 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4223 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4224 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4225 \renewcommand{\headrulewidth}{0.4pt}
4226 \setboolean{xepersian@insidefrontpage}{false}
4227
4228 }
4229 \newcommand{\firstarticle}[3]
4230 {
4231 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4232 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4233 \begin{textblock}{24}(22,5)
4234 }
4235 {
4236 \begin{textblock}{28}(22,5)
4237 }
4238 \vspace{-7pt}
4239 \xepersian@firstTitle{#1}
4240 \end{textblock}
4241 \begin{textblock}{29}(22,10)
4242 \vspace{5pt plus 2pt minus 2pt}
4243
4244 \xepersian@firstText{\timestamp{#3}~#2}
4245
4246 \end{textblock}
4247
4248 \begin{textblock}{50}(0,15)
4249 \rule{50\TPHorizModule}{.3pt}
4250 \end{textblock}
4251 }{%else
4252 \ClassError{xepersian-magazine}{%
4253 \protect\firstarticle\space in a wrong place.\MessageBreak
4254 \protect\firstarticle\space may only appear inside frontpage environment.
4255 }{%
4256 \protect\firstarticle\space may only appear inside frontpage environment.
4257 }%
4258 }
4259 }
4260 \newcommand{\secondarticle}[5]

```




```

4261 {
4262 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4263 \begin{textblock}{33}(2,16)
4264 \xepersian@pages{#4}
4265 \vspace{-5pt}
4266 \xepersian@secondTitle{#1}
4267
4268 \vspace*{5pt}
4269
4270 \xepersian@secondSubtitle{#2}
4271
4272 \vspace*{-7pt}
4273
4274 \xepersian@secondText{\timestamp{#5}~#3}
4275
4276 \end{textblock}
4277
4278 \begin{textblock}{33}(2,25)
4279 \vspace{5pt plus 2pt minus 2pt}
4280
4281 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4282 \end{textblock}
4283 }{%else
4284 \ClassError{xepersian-magazine}{%
4285 \protect\secondarticle\space in a wrong place.\MessageBreak
4286 \protect\secondarticle\space may only appear inside frontpage environment.
4287 }{%
4288 \protect\secondarticle\space may only appear inside frontpage environment.
4289 }%
4290 }
4291 }
4292 \newcommand{\thirdarticle}[6]
4293 {
4294 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4295 \begin{textblock}{32}(2,26)
4296 \xepersian@pages{#5}
4297 \vspace{-5pt}
4298 \setlength{\fboxsep}{1pt}
4299 \xepersian@thirdTitle{#1}
4300
4301 \vspace*{5pt}
4302
4303 \xepersian@thirdSubtitle{#2}
4304
4305 \vspace*{5pt}
4306
4307 {\noindent\ignorespaces %
4308 \ifthenelse{\equal{#4}{}}{}}
4309
4310 \xepersian@thirdText{\timestamp{#6}~#3}

```



```

4311
4312 }
4313
4314 \vspace*{5pt}
4315
4316 \end{textblock}
4317 }{%else
4318 \ClassError{xepersian-magazine}{%
4319 \protect\thirdarticle\space in a wrong place.\MessageBreak
4320 \protect\thirdarticle\space may only appear inside frontpage environment.
4321 }{%
4322 \protect\thirdarticle\space may only appear inside frontpage environment.
4323 }%
4324 }
4325 }
4326 \newcommand{\firstimage}[2]
4327 {
4328 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4329 \begin{textblock}{18}(2,5)
4330 \setlength{\fboxsep}{1pt}
4331 \ifxetex % only in PDF
4332 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4333 \fi
4334
4335 \xepersian@pictureCaption{#2}
4336 \end{textblock}%
4337 }
4338 {\ClassError{xepersian-magazine}{%
4339 \protect\firstimage\space in a wrong place.\MessageBreak
4340 \protect\firstimage\space may only appear inside frontpage environment.
4341 }{%
4342 \protect\firstimage\space may only appear inside frontpage environment.
4343 }}
4344 }%
4345 \newcommand{\weatheritem}[5]{%
4346 \ifthenelse{\boolean{xepersian@insideweather}}{
4347 \begin{minipage}{45pt}
4348 \ifxetex
4349 \includegraphics[width=40pt]{#1}
4350 \fi
4351 \end{minipage}
4352 \begin{minipage}{50pt}
4353 \weatherTempFormat
4354 #2\\
4355 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\\
4356 #5
4357 \end{minipage}
4358 }{%else
4359 \ClassError{xepersian-magazine}{%
4360 \protect\weatheritem\space in a wrong place.\MessageBreak

```



```

4361 \protect\weatheritem\space may only appear inside weatherblock environment.
4362 }{%
4363 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4364 weatherblock environment may only appear inside frontpage environment.
4365 }%
4366 }
4367 }
4368 \newenvironment{weatherblock}[1]
4369 {
4370 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4371 \setboolean{xepersian@insideweather}{true}
4372 \begin{textblock}{32}(2,38)
4373 \vspace*{-15pt}
4374
4375 \xepersian@weather{\beginR#1\endR}
4376
4377 \vspace*{5pt}
4378
4379 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4380 \begin{minipage}{32\TPHorizModule}
4381 \hspace{5pt}
4382
4383 }{%
4384 \ClassError{xepersian-magazine}{%
4385 weatherblock in a wrong place.\MessageBreak
4386 weatherblock may only appear inside frontpage environment.
4387 }{%
4388 weatherblock may only appear inside frontpage environment.
4389 }
4390 }
4391 }%
4392 {
4393 \end{minipage}
4394 \end{xepersian@fmpage}
4395 \end{textblock}
4396 \setboolean{xepersian@insideweather}{false}
4397 }
4398 \newenvironment{authorblock}[0]
4399 {
4400 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4401 \begin{textblock}{15}(36,35)
4402 \setlength{\fboxsep}{5pt}
4403 \begin{xepersian@fmpage}{13\TPHorizModule}
4404 \begin{minipage}{13\TPHorizModule}
4405 \centering
4406 \minilogo
4407
4408 }{%else
4409 \ClassError{xepersian-magazine}{%
4410 authorblock in a wrong place.\MessageBreak

```



```

4411 authorblock may only appear inside frontpage environment.
4412 }{%
4413 authorblock may only appear inside frontpage environment.
4414 }
4415 }
4416 }
4417 {
4418 \end{minipage}
4419 \end{xepersian@fmpage}
4420 \end{textblock}
4421 }
4422 \newenvironment{indexblock}[1]
4423 {
4424 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4425 \setboolean{xepersian@insideindex}{true}%let's in
4426 \begin{textblock}{15}(36,16)
4427 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4428 \xepersian@indexFrameTitle{#1}
4429
4430 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4431 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4432 \begin{minipage}{\xepersian@indexwidth}
4433 \vspace*{10pt}
4434 }{%else
4435 \ClassError{xepersian-magazine}{%
4436 indexblock in a wrong place.\MessageBreak
4437 indexblock may only appear inside frontpage environment.
4438 }{%
4439 indexblock may only appear inside frontpage environment.
4440 }
4441 }
4442 }%
4443 {
4444 \end{minipage}
4445 \end{xepersian@fmpage}
4446 \end{textblock}
4447 \setboolean{xepersian@insideindex}{false}%let's out
4448 }
4449 \newcommand{\indexitem}[2]
4450 {
4451 \ifthenelse{\boolean{xepersian@insideindex}}{
4452 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4453
4454 \vspace{0.5cm}
4455
4456 \noindent\ignorespaces\indexEntrySeparator{}
4457 }{%else
4458 \ClassError{xepersian-magazine}{%
4459 \protect\indexitem\space in a wrong place.\MessageBreak
4460 \protect\indexitem\space may only appear inside indexblock environment.

```



```

4461 }{%
4462 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4463 indexblock environment may only appear inside frontpage environment.
4464 }%
4465 }
4466 }
4467 \newcommand{\xepersian@inexpandedtitle}[1]{
4468 \begin{minipage}{.95\textwidth}
4469 \begin{center}
4470 \noindent\Large\textbf{\beginR#1\endR}
4471 \end{center}
4472 \end{minipage}
4473 }
4474 \newcommand{\expandedtitle}[2]{
4475 \end{multicols}
4476
4477 \begin{center}
4478 \setlength{\fboxsep}{5pt}
4479 \setlength{\shadowsize}{2pt}
4480 \ifthenelse{\equal{#1}{shadowbox}}{%
4481 \shadowbox{%
4482 \xepersian@inexpandedtitle{#2}%
4483 }%
4484 }{}
4485 \ifthenelse{\equal{#1}{doublebox}}{%
4486 \doublebox{%
4487 \xepersian@inexpandedtitle{#2}%
4488 }%
4489 }{}
4490 \ifthenelse{\equal{#1}{ovalbox}}{%
4491 \ovalbox{%
4492 \xepersian@inexpandedtitle{#2}%
4493 }%
4494 }{}
4495 \ifthenelse{\equal{#1}{ovalbox}}{%
4496 \ovalbox{%
4497 \xepersian@inexpandedtitle{#2}%
4498 }%
4499 }{}
4500 \ifthenelse{\equal{#1}{lines}}{
4501 \hrule
4502 \vspace*{8pt}
4503 \begin{center}
4504 \noindent\Large\textbf{#2}
4505 \end{center}
4506 \vspace*{8pt}
4507 \hrule
4508 }{}
4509 \end{center}
4510

```



```

4511 \begin{multicols}{\xepersian@ncolumns{}}
4512 \ifnum \xepersian@ncolumns > \minraggedcols
4513 \raggedFormat
4514 \fi
4515 }
4516 \newcommand{\xepersian@incolumntitle}[2]{
4517 \begin{minipage}{#1}
4518 \begin{center}
4519 \noindent\normalsize\textbf{#2}
4520 \end{center}
4521 \end{minipage}
4522 }
4523
4524 \newcommand{\columntitle}[2]{
4525 \vspace*{5pt}
4526 \begin{center}
4527 \setlength{\fboxsep}{5pt}
4528 \setlength{\shadowsize}{2pt}
4529 \addtolength{\xepersian@coltitsize}{\columnwidth}
4530 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4531 \addtolength{\xepersian@coltitsize}{-5pt}
4532 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4533 \ifthenelse{\equal{#1}{shadowbox}}{%
4534 \shadowbox{%
4535 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4536 }%
4537 }{}
4538 \ifthenelse{\equal{#1}{doublebox}}{%
4539 \doublebox{%
4540 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4541 }%
4542 }{}
4543 \ifthenelse{\equal{#1}{ovalbox}}{%
4544 \ovalbox{%
4545 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4546 }%
4547 }{}
4548 \ifthenelse{\equal{#1}{ovalbox}}{%
4549 \ovalbox{%
4550 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4551 }%
4552 }{}
4553 \ifthenelse{\equal{#1}{lines}}{
4554 \hrule
4555 \vspace*{5pt}
4556 \begin{center}
4557 \noindent\normalsize\textbf{#2}
4558 \end{center}
4559 \vspace*{5pt}
4560 \hrule

```



```

4561 }{}
4562 \end{center}
4563 }
4564 \renewcommand{\date}{%
4565 \longdate{\today}%
4566 }
4567 \newcommand{\authorandplace}[2]{%
4568 \rightline{%
4569 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4570 }%
4571 \par %
4572 }
4573 \newcommand{\newsection}[1]{
4574 \renewcommand{\xepersian@section}{#1}
4575 }
4576 \newenvironment{article}[5]
4577 {
4578 \xepersian@say{Adding a new piece of article}
4579 \renewcommand{\xepersian@ncolumns}{#1}[
4580 \begin{multicols}{#1}[
4581 \xepersian@pages{#4}
4582 \xepersian@innerTitle{#2}%
4583 \xepersian@innerSubtitle{#3}%
4584 ] [4cm]%
4585 \label{#5}
4586 \ifnum #1 > \minraggedcols
4587 \raggedFormat
4588 \fi
4589 }
4590 {\sim\innerTextFinalMark{}
4591 \end{multicols}
4592 }
4593 \newcommand{\articlesep}{%
4594 \setlength{\xepersian@pageneed}{16000pt}
4595 \setlength{\xepersian@pageleft}{\pagegoal}
4596 \addtolength{\xepersian@pageleft}{-\pagetotal}
4597
4598 \xepersian@say{How much left \the\xepersian@pageleft}
4599
4600 \ifdim \xepersian@pageneed < \xepersian@pageleft
4601 \xepersian@say{Not enough space}
4602 \else
4603 \xepersian@say{Adding sep line between articles}
4604 \vspace*{10pt plus 10pt minus 5pt}
4605 \hrule
4606 \vspace*{10pt plus 5pt minus 5pt}
4607 \fi
4608
4609 }
4610 \newcommand{\xepersian@editorialTit}[2]{

```



```

4611 \setlength{\arrayrulewidth}{.1pt}
4612 \begin{center}
4613 \begin{tabular}{c}
4614 \noindent
4615 \xepersian@editorialTitle{#1}
4616 \vspace{2pt plus 1pt minus 1pt}
4617 \\
4618 \hline
4619 \vspace{2pt plus 1pt minus 1pt}
4620 \\
4621 \editorialAuthorFormat{#2}
4622 \end{tabular}
4623 \end{center}
4624 }
4625 \newenvironment{editorial}[4]
4626 {
4627 \xepersian@say{Adding a new editorial}
4628 \begin{multicols}{#1}[%
4629 \xepersian@editorialTit{#2}{#3}%
4630 ] [4cm]
4631 \label{#4}
4632 \ifnum #1 > \minraggedcols
4633 \raggedFormat
4634 \fi
4635 }
4636 {
4637 \end{multicols}
4638 }
4639 \newcommand{\xepersian@shortarticleTit}[2]{
4640 \begin{center}
4641 \vbox{%
4642 \noindent
4643 \xepersian@shortarticleTitle{#1}
4644 \vspace{4pt plus 2pt minus 2pt}
4645 \hrule
4646 \vspace{4pt plus 2pt minus 2pt}
4647 \xepersian@shortarticleSubtitle{#2}
4648 }
4649 \end{center}
4650 }
4651 \newenvironment{shortarticle}[4]
4652 {
4653 \xepersian@say{Adding a short article block}
4654 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
4655 \label{#4}
4656 \par %
4657 \ifnum #1 > \minraggedcols
4658 \raggedFormat
4659 \fi
4660 }

```




```

4661 {
4662 \end{multicols}
4663 }
4664 \newcommand{\shortarticleitem}[2]{
4665 \goodbreak
4666 \vspace{5pt plus 3pt minus 3pt}
4667 {\vbox{\noindent\expersian@shortarticleItemTitle{#1}}}
4668 \vspace{5pt plus 3pt minus 3pt}
4669 {\noindent #2}\
4670 }

```

7.57 xepersian-mathsdigitspec.sty

```

4671 \NeedsTeXFormat{LaTeX2e}
4672 \ProvidesPackage{xepersian-mathsdigitspec}
4673 [2016/05/03 v1.1.2 Unicode Persian maths digits in XeLaTeX]
4674 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4675 \let\newfam\new@mathgroup
4676 \def\select@group#1#2#3#4{%
4677 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4678 {%
4679 \ifmmode
4680 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4681 \begingroup
4682 \escapechar\m@ne
4683 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4684 \globaldefs\@ne \math@fonts
4685 \endgroup
4686 \init@restore@version
4687 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4688 {\number\csname c@mv@\math@version\endcsname}}}%
4689 \global\advance\csname c@mv@\math@version\endcsname\@ne
4690 \else
4691 \let#1\relax
4692 \@latex@error{Too many math alphabets used in
4693 version \math@version}%
4694 \@eha
4695 \fi
4696 \else \expandafter\non@alpherr\fi
4697 #1{#4}%
4698 }%
4699 }
4700 \def\document@select@group#1#2#3#4{%
4701 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4702 {%
4703 \ifmmode
4704 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4705 \begingroup
4706 \escapechar\m@ne
4707 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%

```



```

4708 \globaldefs\@ne \math@fonts
4709 \endgroup
4710 \expandafter\extract@alph@from@version
4711 \csname mv@\math@version\expandafter\endcsname
4712 \expandafter{\number\csname
4713 c@mv@\math@version\endcsname}%
4714 #1%
4715 \global\advance\csname c@mv@\math@version\endcsname\@ne
4716 \else
4717 \let#1\relax
4718 \@latex@error{Too many math alphabets used
4719 in version \math@version}%
4720 \@eha
4721 \fi
4722 \else \expandafter\non@alpherr\fi
4723 #1{#4}%
4724 }%
4725 }
4726 \ExplSyntaxOn
4727 \bool_set_false:N \g__fontspec_math_bool
4728 \tl_map_inline:nn
4729 {
4730 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4731 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4732 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4733 \version@list\version@elt\alpha@list\alpha@elt
4734 \restore@mathversion\init@restore@version\dorestore@version\process@table
4735 \new@mathversion\DeclareSymbolFont\group@list\group@elt
4736 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4737 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4738 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4739 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4740 \@DeclareMathDelimiter\@xxDeclareMathDelimiter\set@mathdelimiter
4741 \set@@@mathdelimiter\DeclareMathRadical\mathchar@type
4742 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4743 }
4744 {
4745 \tl_remove_once:Nn \@preamblecmds {\do#1}
4746 }
4747 \ExplSyntaxOff
4748 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
4749 \newcommand\SetMathCode[4]{%
4750 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4751 \newcommand\SetMathCharDef[4]{%
4752 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4753 \ExplSyntaxOn
4754 \cs_new_eq:NN \orig_mathbf:n \mathbf
4755 \cs_new_eq:NN \orig_mathit:n \mathit
4756 \cs_new_eq:NN \orig_mathrm:n \mathrm
4757 \cs_new_eq:NN \orig_mathsf:n \mathsf

```



```

4758 \cs_new_eq:NN \orig_mathtt:n \mathtt
4759 \NewDocumentCommand \new@mathbf { m } {
4760   \orig_mathbf:n {
4761     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4762       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4763     }
4764     #1
4765   }
4766 }
4767 \NewDocumentCommand \new@mathit { m } {
4768   \orig_mathit:n {
4769     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4770       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4771     }
4772     #1
4773   }
4774 }
4775 \NewDocumentCommand \new@mathrm { m } {
4776   \orig_mathrm:n {
4777     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4778       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4779     }
4780     #1
4781   }
4782 }
4783 \NewDocumentCommand \new@mathsf { m } {
4784   \orig_mathsf:n {
4785     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4786       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4787     }
4788     #1
4789   }
4790 }
4791 \NewDocumentCommand \new@mathtt { m } {
4792   \orig_mathtt:n {
4793     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4794       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4795     }
4796     #1
4797   }
4798 }
4799 \DeclareDocumentCommand \setdigitfont { 0 { } m 0 { } }
4800 {
4801   \let\glb@currsizel\relax
4802   \fontspec_set_family:Nnn \g__xepersian_digitsfamily_family {Mapping=parsidigits,#1} {#2}
4803   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4804   \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_family}
4805   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_family}
4806   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_family}
4807   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_family}

```



```

4808 \def\persianmathsdigits{%
4809 \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4810 \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4811 \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4812 \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4813 \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4814 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4815 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4816 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4817 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4818 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4819 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }

4820 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4821 \tl_set_eq:NN \mathbf \new@mathbf
4822 \tl_set_eq:NN \mathit \new@mathit
4823 \tl_set_eq:NN \mathrm \new@mathrm}
4824 }
4825
4826
4827 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
4828 {
4829 \fontspec_set_family:Nnn \g__fontspec_mathsf_tl {Mapping=parsidigits,#1} {#2}
4830 \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g_fontspec_mathsf_tl
4831 \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
4832 }
4833
4834
4835
4836 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
4837 {
4838 \fontspec_set_family:Nnn \g__fontspec_mathtt_tl {Mapping=parsidigits,#1} {#2}
4839 \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g_fontspec_mathtt_tl
4840 \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
4841 }
4842
4843 \ExplSyntaxOff
4844 \ifx\newcommand\undefined\else
4845 \newcommand{\ZifferAn}{}
4846 \fi
4847 \mathchardef\ziffer@DotOri="013A
4848 {\ZifferAn
4849 \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4850 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4851 \def\ziffer@check#1#2{%
4852 \ifx\n1\endgroup#1\else
4853 \ifx\n2\endgroup#1\else
4854 \ifx\n3\endgroup#1\else
4855 \ifx\n4\endgroup#1\else
4856 \ifx\n5\endgroup#1\else

```



```

4857         \ifx\n6\endgroup#1\else
4858         \ifx\n7\endgroup#1\else
4859         \ifx\n8\endgroup#1\else
4860         \ifx\n9\endgroup#1\else
4861         \ifx\n0\endgroup#1\else
4862         \ifx\n\overline\endgroup#1\else
4863         \endgroup#2%
4864     \fi
4865 \fi
4866 \fi
4867 \fi
4868 \fi
4869 \fi
4870 \fi
4871 \fi
4872 \fi
4873 \fi
4874 \fi}
4875 \mathcode`.="8000\relax
4876 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
4877 \def\DefaultMathsDigits{\def\SetMathsDigits{}}
4878 \def\PersianMathsDigits{\def\SetMathsDigits{%
4879 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4880 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4881 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
4882 \def\AutoMathsDigits{\def\SetMathsDigits{%
4883 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4884 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4885 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
4886 \AutoMathsDigits
4887 \everymath\expandafter{\the\everymath\SetMathsDigits}
4888 \g@addto@macro\document{\everydisplay\expandafter{\the\everydisplay\SetMathsDigits}}

```

7.58 xepersian-multiplechoice.sty

```

4889 \NeedsTeXFormat{LaTeX2e}
4890 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4891         Multiple Choice Questionnaire class for Persian in XeLaTeX]
4892 \RequirePackage{pifont}
4893 \RequirePackage{fullpage}
4894 \RequirePackage{ifthen}
4895 \RequirePackage{calc}
4896 \RequirePackage{verbatim}
4897 \RequirePackage{tabularx}
4898 \def\@headerfont{\bfseries}
4899 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4900 \def\@X{X}
4901 \newcommand\X[1]{\gdef\@X{#1}}
4902 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4903 \newcolumnntype{D}{>{\pbs\centering}X}

```



```

4904 \newcolumnntype{Q}{>{\@headerfont}X}
4905
4906 \renewcommand\tabularxcolumn[1]{m{#1}}
4907 \newcommand\makeform@nocorrection{%
4908   \addtocontents{frm}{\protect\end{tabularx}}
4909   \@starttoc{frm}}
4910 \newcommand\makeform@correction{%
4911   \addtocontents{frm}{\protect\end{tabularx}}}
4912 \newcommand\makemask@nocorrection{%
4913   \addtocontents{msk}{\protect\end{tabularx}}
4914   \@starttoc{msk}}
4915 \newcommand\makemask@correction{%
4916   \addtocontents{msk}{\protect\end{tabularx}}}
4917 \newlength\questionspace
4918 \setlength\questionspace{0pt}
4919 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4920 \def\@answerstitlefont{\bfseries}
4921 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4922 \def\@answernumberfont{\bfseries}
4923 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4924 \newcounter{question}\stepcounter{question}
4925 \newcounter{@choice}
4926 \def\@initorcheck{%
4927   \xdef\@choices{\the@choice}%
4928   \setcounter{@choice}{1}%
4929   \gdef\@arraydesc{|Q|}%
4930   \gdef\@headerline{}%
4931   \whiledo{\not{\value{@choice}>\@choices}}{
4932     \xdef\@arraydesc{\@arraydesc D|}
4933     \def\@appendheader{\g@addto@macro\@headerline}
4934     \@appendheader{\&\protect\@headerfont}
4935     \edef\@the@choice{\alph{@choice}}
4936     \expandafter\@appendheader\@the@choice
4937     \stepcounter{@choice}}%
4938   \addtocontents{frm}{%
4939     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4940     \protect\hline
4941     \@headerline\protect\\\protect\hline\protect\hline}%
4942   \addtocontents{msk}{%
4943     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4944     \protect\hline
4945     \@headerline\protect\\\protect\hline\protect\hline}%
4946   \gdef\@initorcheck{%
4947     \ifthenelse{\value{@choice} = \@choices}{}%
4948     \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4949       (\the@choice\space instead of \@choices)}{
4950       Questions must all have the same number of proposed answers.%
4951       \MessageBreak
4952       Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
4953 \newenvironment{question}[1]{%

```



```

4954 %% \begin{question}
4955 \begin{minipage}{\textwidth}
4956   \xdef\@formanswerline{\@questionheader}%
4957   \xdef\@maskanswerline{\@questionheader}%
4958   \fbox{\parbox[c]{\linewidth}{#1}}
4959   \vspace\questionspace\par
4960   {\@answerstitlefont\@answerstitle}
4961   \begin{list}{\@answernumberfont\alph{choice}}~{\usecounter{choice}}}{%
4962   %% \end{question}
4963   \end{list}
4964   \@initorcheck%
4965   \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
4966   \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
4967   \end{minipage}
4968   \stepcounter{question}}
4969 \def\@truesymbol{\ding{52}~}
4970 \def\@falsesymbol{\ding{56}~}
4971 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4972 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4973 \def\@true@nocorrection{\item}
4974 \def\@false@nocorrection{\item}
4975 \def\@true@correction{\item[\@truesymbol\refstepcounter{choice}]}
4976 \def\@false@correction{\item[\@falsesymbol\refstepcounter{choice}]}
4977 \newcommand\true{%
4978   \xdef\@formanswerline{\@formanswerline&}%
4979   \xdef\@maskanswerline{\@maskanswerline&\@X}%
4980   \@true}%
4981 \newcommand>false{%
4982   \xdef\@formanswerline{\@formanswerline&}%
4983   \xdef\@maskanswerline{\@maskanswerline&}%
4984   \@false}%
4985 \def\@correctionstyle{\itshape}
4986 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4987 \newenvironment{correction}{\@correctionstyle}{\@correctionstyle}{}
4988 \def\@questionheader{ \thequestion}
4989 \answerstitle{
4990 \DeclareOption{nocorrection}{%
4991   \let\@true\@true@nocorrection
4992   \let\@false\@false@nocorrection
4993   \let\correction\comment
4994   \let\endcorrection\endcomment
4995   \def\makeform{\makeform@nocorrection}
4996   \def\makemask{\makemask@nocorrection}}
4997 \DeclareOption{correction}{%
4998   \let\@true\@true@correction
4999   \let\@false\@false@correction
5000   \let\correction\@correction
5001   \let\endcorrection\end@correction
5002   \def\makeform{\makeform@correction}
5003   \def\makemask{\makemask@correction}}

```



```

5004 \ExecuteOptions{nocorrection}
5005 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5006 \def\@questiontitlefont{\bfseries}
5007 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5008 \newlength\questiontitlespace
5009 \setlength\questiontitlespace{5pt}
5010 \newlength\questionsepspace
5011 \setlength\questionsepspace{20pt}
5012 \gdef\@questionsepspace{0pt}
5013 \let\old@question\question
5014 \let\old@endquestion\endquestion
5015 \renewenvironment{question}[1]{%
5016   %% \begin{question}
5017   \vspace\@questionsepspace
5018   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5019   \nopagebreak\vspace\questiontitlespace\par
5020   \old@question{#1}}{%
5021   %% \end{question}
5022   \old@endquestion
5023   \gdef\@questionsepspace{\questionsepspace}}
5024 \questiontitle{ \thequestion:}
5025 \ProcessOptions

```

7.59 xepersian-persiancal.sty

```

5026 \NeedsTeXFormat{LaTeX2e}
5027 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5028
5029 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5030 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5031 \newcount\XePersian@latini \newcount\XePersian@persiani
5032 \newcount\XePersian@latinii \newcount\XePersian@persianii
5033 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5034 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5035 \newcount\XePersian@latinv \newcount\XePersian@persianv
5036 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5037 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5038 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5039 \newcount\XePersian@latinix \newcount\XePersian@persianix
5040 \newcount\XePersian@latinx \newcount\XePersian@persianx
5041 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5042 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5043 \newcount\XePersian@persianxiii
5044
5045 \newcount\XePersian@temp
5046 \newcount\XePersian@temptwo
5047 \newcount\XePersian@tempthree
5048 \newcount\XePersian@yModHundred
5049 \newcount\XePersian@thirtytwo
5050 \newcount\XePersian@dn

```




```

5051 \newcount\XePersian@sn
5052 \newcount\XePersian@mminusone
5053
5054
5055 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5056 \XePersian@temp=\XePersian@y
5057 \divide\XePersian@temp by 100\relax
5058 \multiply\XePersian@temp by 100\relax
5059 \XePersian@yModHundred=\XePersian@y
5060 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5061 \ifodd\XePersian@yModHundred
5062   \XePersian@leapfalse
5063 \else
5064   \XePersian@temp=\XePersian@yModHundred
5065   \divide\XePersian@temp by 2\relax
5066   \ifodd\XePersian@temp\XePersian@leapfalse
5067   \else
5068     \ifnum\XePersian@yModHundred=0%
5069       \XePersian@temp=\XePersian@y
5070       \divide\XePersian@temp by 400\relax
5071       \multiply\XePersian@temp by 400\relax
5072       \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5073     \else\XePersian@leaptrue
5074     \fi
5075   \fi
5076 \fi
5077 \XePersian@latini=31\relax
5078 \ifXePersian@leap
5079   \XePersian@latinii = 29\relax
5080 \else
5081   \XePersian@latinii = 28\relax
5082 \fi
5083 \XePersian@latiniii = 31\relax
5084 \XePersian@latiniv = 30\relax
5085 \XePersian@latinv = 31\relax
5086 \XePersian@latinvi = 30\relax
5087 \XePersian@latinvii = 31\relax
5088 \XePersian@latinviii = 31\relax
5089 \XePersian@latinix = 30\relax
5090 \XePersian@latinx = 31\relax
5091 \XePersian@latinxi = 30\relax
5092 \XePersian@latinxii = 31\relax
5093 \XePersian@thirtytwo=32\relax
5094 \XePersian@temp=\XePersian@y
5095 \advance\XePersian@temp by -17\relax
5096 \XePersian@temptwo=\XePersian@temp
5097 \divide\XePersian@temptwo by 33\relax
5098 \multiply\XePersian@temptwo by 33\relax
5099 \advance\XePersian@temp by -\XePersian@temptwo
5100 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse

```



```

5101 \else
5102   \XePersian@temptwo=\XePersian@temp
5103   \divide\XePersian@temptwo by 4\relax
5104   \multiply\XePersian@temptwo by 4\relax
5105   \advance\XePersian@temp by -\XePersian@temptwo
5106   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5107 \fi
5108 \XePersian@tempthree=\XePersian@y           % Number of Leap years
5109 \advance\XePersian@tempthree by -1
5110 \XePersian@temp=\XePersian@tempthree         % T := (MY-1) div 4
5111 \divide\XePersian@temp by 4\relax
5112 \XePersian@temptwo=\XePersian@tempthree      % T := T - ((MY-1) div 100)
5113 \divide\XePersian@temptwo by 100\relax
5114 \advance\XePersian@temp by -\XePersian@temptwo
5115 \XePersian@temptwo=\XePersian@tempthree      % T := T + ((MY-1) div 400)
5116 \divide\XePersian@temptwo by 400\relax
5117 \advance\XePersian@temp by \XePersian@temptwo
5118 \advance\XePersian@tempthree by -611        % Number of Kabise years
5119 \XePersian@temptwo=\XePersian@tempthree      % T := T - ((SY+10) div 33) * 8
5120 \divide\XePersian@temptwo by 33\relax
5121 \multiply\XePersian@temptwo by 8\relax
5122 \advance\XePersian@temp by -\XePersian@temptwo
5123 \XePersian@temptwo=\XePersian@tempthree      %
5124 \divide\XePersian@temptwo by 33\relax
5125 \multiply\XePersian@temptwo by 33\relax
5126 \advance\XePersian@tempthree by -\XePersian@temptwo
5127 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T)
5128 \divide\XePersian@tempthree by 4\relax      % T := T - ((SY+10) mod 33) div 4
5129 \advance\XePersian@temp by -\XePersian@tempthree
5130 \advance\XePersian@temp by -137             % T := T - 137 Adjust the value
5131 \XePersian@persiani=31
5132 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5133 \XePersian@persianii = 30\relax
5134 \ifXePersian@kabiseh
5135   \XePersian@persianiii = 30\relax
5136 \else
5137   \XePersian@persianiii = 29\relax
5138 \fi
5139 \XePersian@persianiv = 31\relax
5140 \XePersian@persianv = 31\relax
5141 \XePersian@persianvi = 31\relax
5142 \XePersian@persianvii = 31\relax
5143 \XePersian@persianviii= 31\relax
5144 \XePersian@persianix = 31\relax
5145 \XePersian@persianx = 30\relax
5146 \XePersian@persianxi = 30\relax
5147 \XePersian@persianxii = 30\relax
5148 \XePersian@persianxiii= 30\relax
5149 \XePersian@dn= 0\relax
5150 \XePersian@sn= 0\relax

```



```

5151 \XePersian@mminusone=\XePersian@m
5152 \advance\XePersian@mminusone by -1\relax
5153 \XePersian@i=0\relax
5154 \ifnum\XePersian@i < \XePersian@mminusone
5155 \loop
5156 \advance \XePersian@i by 1\relax
5157 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5158 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5159 \fi
5160 \advance \XePersian@dn by \XePersian@d
5161 \XePersian@i=1\relax
5162 \XePersian@sn = \XePersian@persiani
5163 \ifnum \XePersian@sn<\XePersian@dn
5164 \loop
5165 \advance \XePersian@i by 1\relax
5166 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5167 \ifnum \XePersian@sn<\XePersian@dn \repeat
5168 \fi
5169 \ifnum \XePersian@i < 4
5170 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5171 \advance \XePersian@y by -622\relax
5172 \else
5173 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5174 \advance \XePersian@y by -621\relax
5175 \fi
5176 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5177 \endcsname
5178 \ifnum\XePersian@i = 1
5179 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
5180 \else
5181 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5182 \fi
5183 \newcommand*{\persiantoday}{\%
5184 \number\XePersian@d\space%
5185 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5186 }
5187 \let\persianyear\XePersian@y
5188 \let\persianmonth\XePersian@m
5189 \let\persianday\XePersian@d
5190 \def\XePersian@persian@month#1{\ifcase#1\or or\
5191 or\
5192 or\ or\
5193 or\
5194 or\ or\
5195 or\ or\
5196 or\ or\
5197 \fi\

```



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8 Change History

v13.1	General: Added implementation of the package.	0
v13.2	General: Replaced <code>\reflect</code> with <code>\bidi@reflect@box</code>	124
v13.5	General: Fixed the extra space after Persian decimal separator. . . .	155
v13.6	General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character.	93

