

The XePersian Package



Persian for \LaTeX 2 $_{\epsilon}$ over Xe \TeX

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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 emails to me; I will not answer any direct emails. Instead please use the issue tracker:

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

In doing so, please always explain your issue well enough, always include a minimal working examples 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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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 over XeTeX)
Description: The package supports Persian
typesetting, using fonts provided in the distribution.
Copyright © 2008–2013 Vafa Khalighi
2013/09/23, v13.1
License: LaTeX Project Public License, version 1.3c or higher (your
choice)
Location on CTAN: /macros/xetex/latex/xepersian
Issue tracker: https://github.com/vafa/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.

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

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 four options:

2.4.1 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.

2.4.2 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. Please note that unfortunately X series fonts of IRMUG (Iranian Mac Users Group) do not have `Kashida` support and if you use any of these fonts with `Kashida` option enabled, the result on the PDF viewed on the monitor is not pleasant, however the print may look fine. Hence if you are going to enable `Kashida` option, then you are advised to use either “Adobe Arabic” or “Scheherazade” fonts or any other fonts that has fine `Kashida` support, like `Persian Modern` font (the default font of `XePersian` package).

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:

This is the font issue not
XePersian’s bug

<code>\KashidaOn</code> <code>\KashidaOff</code>
--

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

☞ `\KashidaOff` disables Kashida.

2.4.3 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 scape (or `write18`) is not enabled.

2.4.4 localise Option

The `localise` option is now active by default; it 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:

<code>\eqcommand{⟨command-name in Persian⟩}{⟨original \LaTeX command-name⟩}</code> <code>\eqenvironment{⟨environment-name in Persian⟩}{⟨original \LaTeX environment-name⟩}</code>
--

Table 1: The Equivalent \LaTeX and \TeX Commands

Command in T _E X or L ^A T _E X	Equivalent Persian Command
\@arstrut	\شمع جدول
\above	\فوق
\abovedisplayskip	\فاصله کوتاه بالای نمایش
\abovedisplaysskip	\فاصله بالای نمایش
\abstractname	\عنوان چکیده
\accent	\اکسنت
\active	\فعال
\addcontentsline	\بیفزاسطر فهرست
\addpenalty	\اضافه بر جریمه
\address	\نشانی
\addtocontents	\بیفزابه فهرست
\addtocounter	\اضافه بر شمارنده
\addtolength	\اضافه بر بعد
\addvspace	\بیفزافضای و
\adjdemerits	\تنظیم بدنمایی
\advance	\بیفزابر
\afterassignment	\بعد از انتساب
\aftergroup	\بعد از گروه
\aleph	\الف
\aliasfontfeature	\خصیصه مستعار قلم
\aliasfontfeatureoption	\انتخاب خصیصه مستعار قلم
\allowbreak	\شکستی
\alloc@	\تخصی@
\allocationnumber	\تخصیص یافته
\allowdisplaybreaks	\شکست نمایش مجاز
\Alph	\حروف بزرگ
\alph	\حروف کوچک
\alsename	\نام همچنین
\and	\و
\angle	\زاویه
\appendixname	\عنوان پیوست
\approx	\تقریب
\arabic	\عربی
\arg	\آرگ
\arrayrulecolor	\رنگ خط جدول
\arraycolsep	\فاصله ستونهای آرایه
\arrayrulewidth	\ضخامت خط جدول
\arraystretch	\کشیدگی آرایه
\AtBeginDocument	\در آغاز نوشتار
\AtEndDocument	\در پایان نوشتار

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
\AtEndOfClass	\در انتهای طبقه
\AtEndOfPackage	\در انتهای سبک
\author	\نویسنده
\backmatter	\مطلب پشت
\backslash	\شکاف پشت
\badness	\بدنمایی
\bar	\میله
\baselineskip	\فاصله کرسی
\baselinestretch	\کشش فاصله کرسی
\batchmode	\پردازش دسته‌ای
\begin	\شروع
\beginL	\شروع چپ
\beginR	\شروع راست
\begingroup	\شروع گروه
\belowdisplayshortskip	\فاصله کوتاه پایین نمایش
\belowdisplayskip	\فاصله پایین نمایش
\bf	\سیاه
\bfdefault	\پیش فرض سیاه
\bfseries	\شمایل سیاه
\bgroup	\شرگروه
\bibitem	\مرجوع
\bibliography	\کتاب نامه
\bibliographystyle	\سبک کتاب نامه
\bibname	\عنوان کتاب نامه
\bigskip	\پرش بلند
\bigskipamount	\مقدار پرش بلند
\botfigrule	\خط پایین شناور
\botmark	\علامت پایین
\bottompageskip	\کادر تا پایین
\bottomfraction	\نسبت پایین
\box	\کادر
\boxmaxdepth	\حداکثر عمق کادر
\break	\بشکن
\bullet	\گلوله
\@cclv	\دوپین@پنج
\@cclvi	\دوپین@شش
\caption	\شرح
\catcode	\کدرده
\cc	\رونوشت
\ccname	\نام رونوشت

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\cdot</code>	<code>\نقطه وسط</code>
<code>\cdots</code>	<code>\نقاط وسط</code>
<code>\centering</code>	<code>\تنظیم از وسط</code>
<code>\centerline</code>	<code>\خط وسط</code>
<code>\ch@ck</code>	<code>\چک@ن</code>
<code>\chapter</code>	<code>\فصل</code>
<code>\chaptername</code>	<code>\عنوان فصل</code>
<code>\char</code>	<code>\نویسه</code>
<code>\chardef</code>	<code>\تعریف نویسه</code>
<code>\CheckCommand</code>	<code>\بررسی فرمان</code>
<code>\cite</code>	<code>\مرجع</code>
<code>\ClassError</code>	<code>\خطای طبقه</code>
<code>\ClassInfo</code>	<code>\اطلاع طبقه</code>
<code>\ClassWarning</code>	<code>\هشدار طبقه</code>
<code>\ClassWarningNoLine</code>	<code>\هشدار طبقه بی سطر</code>
<code>\cleaders</code>	<code>\نشانگر مرکزی</code>
<code>\cleardoublepage</code>	<code>\دو صفحه پاک</code>
<code>\clearpage</code>	<code>\صفحه پاک</code>
<code>\cline</code>	<code>\خط ناپر</code>
<code>\closein</code>	<code>\ببند و رودی</code>
<code>\closeout</code>	<code>\ببند خروجی</code>
<code>\closing</code>	<code>\بستن</code>
<code>\clubpenalty</code>	<code>\جریمه سربند</code>
<code>\clubsuit</code>	<code>\خاج</code>
<code>\colbotmark</code>	<code>\علامت پایین ستون اول</code>
<code>\colfirstmark</code>	<code>\علامت اول ستون اول</code>
<code>\color</code>	<code>\رنگ</code>
<code>\colorbox</code>	<code>\کادر رنگ</code>
<code>\coltopmark</code>	<code>\علامت بالای ستون اول</code>
<code>\columncolor</code>	<code>\رنگ ستون</code>
<code>\columnsep</code>	<code>\بین ستون</code>
<code>\columnwidth</code>	<code>\پهنای ستون</code>
<code>\columnseprule</code>	<code>\خط بین ستون</code>
<code>\contentsline</code>	<code>\سطر فهرست</code>
<code>\contentsname</code>	<code>\عنوان فهرست مطالب</code>
<code>\copy</code>	<code>\کپی</code>
<code>\copyright</code>	<code>\حق تالیف</code>
<code>\count</code>	<code>\شمار</code>
<code>\count@</code>	<code>\شمار@</code>
<code>\countdef</code>	<code>\تعریف شمار</code>

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\cr</code>	<code>\سخ</code>
<code>\crr</code>	<code>\سخ سخ</code>
<code>\csname</code>	<code>\نام فرمان</code>
<code>\CurrentOption</code>	<code>\گزینه جاری</code>
<code>\dashbox</code>	<code>\کادر بینابین</code>
<code>\dashv</code>	<code>\بینابین ع</code>
<code>\@date</code>	<code>\@تاریخ</code>
<code>\date</code>	<code>\تاریخ</code>
<code>\day</code>	<code>\روز</code>
<code>\dblbotfigrule</code>	<code>\خط پایین شناور پهن</code>
<code>\dblbottomfraction</code>	<code>\نسبت پهن پایین</code>
<code>\dblfigrule</code>	<code>\خط بالای شناور پهن</code>
<code>\dblfloatpagefraction</code>	<code>\نسبت صفحه شناور پهن</code>
<code>\dblfloatsep</code>	<code>\فاصله بین شناور پهن</code>
<code>\dblftntlocatecode</code>	<code>\کد مکان غیر همانطور</code>
<code>\dbltextfloatsep</code>	<code>\فاصله متن و شناور پهن</code>
<code>\dbltopfraction</code>	<code>\نسبت پهن بالا</code>
<code>\DeclareFixedFont</code>	<code>\اعلان قلم ثابت</code>
<code>\DeclareGraphicsExtensions</code>	<code>\اعلان پسوند گرافیک</code>
<code>\DeclareGraphicsRule</code>	<code>\اعلان دستور گرافیک</code>
<code>\DeclareOldFontCommand</code>	<code>\اعلان فرمان قلم قدیمی</code>
<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>\ابعاد</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>

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
\discretionary	\تیره گذاری
\displaybreak	\شکست نمایش
\displayindent	\تورفتگی نمایش
\displaystyle	\سبک نمایش
\displaywidth	\عرض نمایش
\divide	\تقسیم
\documentclass	\طبقه نوشتار
\do	\کن
\dospecials	\تعویض کدها
\dot	\نقطه
\doteq	\نقطه مساوی
\dotfill	\پر نقطه ا
\dots	\نقاط
\doublebox	\کادر دولا
\doublerulesepcolor	\رنگ فاصله دو خط جدول
\doublerulesep	\فاصله بین دو خط
\downarrow	\فلش پایین
\dp	\عمق
\dump	\تخلیه
\edef	\ترگ
\egroup	\پا گروه
\eject	\انتهای فاصله
\else	\گرنه
\em	\تاکید
\emergencystretch	\کشش لاجرم
\emph	\موکد
\@empty	\@پوچ
\empty	\پوچ
\emptyset	\مجموعه پوچ
\end	\پایان
\endL	\پایان چپ
\endR	\پایان راست
\endcsname	\پایان نام فرمان
\endfirsthead	\پایان اولین سر
\endfoot	\پایان پا
\endgraf	\ته بند
\endgroup	\پایان گروه
\endhead	\پایان سر
\endinput	\پایان ورودی
\endlastfoot	\پایان آخرین پا

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<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>\هرکادرا</code>
<code>\everyjob</code>	<code>\هرکار</code>
<code>\everymath</code>	<code>\هرریاضی</code>
<code>\everypar</code>	<code>\هربند</code>
<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>\fancypage</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>\پرشکن</code>
<code>\fill</code>	<code>\پر</code>
<code>\firstmark</code>	<code>\علامت اول</code>

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\flat</code>	\پهن
<code>\floatpagefraction</code>	\نسبت صفحه شناور
<code>\floatingpenalty</code>	\جریمه شناور
<code>\floatsep</code>	\فاصله بین شناور
<code>\flushbottom</code>	\تنظیم از پایین
<code>\fmtname</code>	\شکلبندی
<code>\fmtversion</code>	\رده شکلبندی
<code>\fnsymbol</code>	\نشانه
<code>\font</code>	\قلم
<code>\fontdimen</code>	\بعد قلم
<code>\fontencoding</code>	\رمزینه قلم
<code>\fontfamily</code>	\فامیل قلم
<code>\fontname</code>	\نام قلم
<code>\fontseries</code>	\شمایل قلم
<code>\fontshape</code>	\شکل قلم
<code>\fontsize</code>	\اندازه قلم
<code>\footheight</code>	\بلندای پایین صفحه
<code>\footins</code>	\درج زیرنویس
<code>\footnote</code>	\زیرنویس
<code>\footnotemark</code>	\علامت زیرنویس
<code>\footnoterule</code>	\خط زیرنویس
<code>\footnotesep</code>	\فاصله تا زیرنویس
<code>\footnotesize</code>	\اندازه زیرنویس
<code>\footnotetext</code>	\متن زیرنویس
<code>\footskip</code>	\فاصله تا پایین صفحه
<code>\frame</code>	\فریم
<code>\framebox</code>	\کادر با خط
<code>\frenchspacing</code>	\فواصل یکنواخت لاتین
<code>\frontmatter</code>	\مطلب پیش
<code>\futurelet</code>	\بعد بگذار
<code>\@gobble</code>	\@خور حریصانه
<code>\@gobbletwo</code>	\@خور حریصانه دو
<code>\@gobblefour</code>	\@خور حریصانه چهار
<code>\@gtempa</code>	\@عاقبت آ
<code>\@gtempb</code>	\@عاقبت ب
<code>\gdef</code>	\ترع
<code>\GenericInfo</code>	\الگوی اطلاع
<code>\GenericWarning</code>	\الگوی هشدار
<code>\GenericError</code>	\الگوی خطا
<code>\global</code>	\عام

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\globaldefs</code>	<code>\تعاریف عام</code>
<code>\glossary</code>	<code>\لغت نامه</code>
<code>\glossaryentry</code>	<code>\فقره فرهنگ</code>
<code>\goodbreak</code>	<code>\خوش شکن</code>
<code>\graphpaper</code>	<code>\کاغذ گراف</code>
<code>\guillemotleft</code>	<code>\گیومه چپ</code>
<code>\guillemotright</code>	<code>\گیومه راست</code>
<code>\guilsinglleft</code>	<code>\گیومه تکی چپ</code>
<code>\guilsinglright</code>	<code>\گیومه تکی راست</code>
<code>\halign</code>	<code>\ردیف ا</code>
<code>\hang</code>	<code>\بروتو</code>
<code>\hangafter</code>	<code>\بعد از سطر</code>
<code>\hangindent</code>	<code>\تورفتگی ثابت</code>
<code>\hbadness</code>	<code>\بدنمایی ا</code>
<code>\hbox</code>	<code>\کادر ا</code>
<code>\headheight</code>	<code>\بلندای سرصفحه</code>
<code>\headsep</code>	<code>\فاصله از سرصفحه</code>
<code>\headtoname</code>	<code>\سربه نام</code>
<code>\heartsuit</code>	<code>\دل</code>
<code>\height</code>	<code>\بلندا</code>
<code>\hfil</code>	<code>\پرا</code>
<code>\hfill</code>	<code>\پررا</code>
<code>\hfilneg</code>	<code>\رفع پرا</code>
<code>\hfuzz</code>	<code>\پرزافقی</code>
<code>\hideskip</code>	<code>\فاصله مخفی</code>
<code>\hidewidth</code>	<code>\عرض پنهان</code>
<code>\hline</code>	<code>\خط پر</code>
<code>\hoffset</code>	<code>\حاشیه ا</code>
<code>\holdinginserts</code>	<code>\حفظ درج</code>
<code>\hrboxsep</code>	<code>\فاصله اگر د</code>
<code>\hrule</code>	<code>\خط ا</code>
<code>\hrulefill</code>	<code>\پرخط ا</code>
<code>\hsize</code>	<code>\طول سطر</code>
<code>\hskip</code>	<code>\فاصله ا</code>
<code>\hspace</code>	<code>\فضای ا</code>
<code>\hss</code>	<code>\هردوا</code>
<code>\ht</code>	<code>\ارتفاع</code>
<code>\huge</code>	<code>\بزرگ</code>
<code>\Huge</code>	<code>\بزرگ تر</code>
<code>\hyperlink</code>	<code>\ابرپیوند</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\hypersetup</code>	\بارگذاری ابر
<code>\hypertarget</code>	\هدف ابر
<code>\hyphenation</code>	\تیره بندی
<code>\hyphenchar</code>	\نویسه تیره
<code>\hyphenpenalty</code>	\جریمه تیره بندی
<code>\@ifclassloaded</code>	\@گر کلاس فراخوانی شده
<code>\@ifdefinable</code>	\@گر ترش دنی
<code>\@ifnextchar</code>	\@گر نویسه بعدی
<code>\@ifpackageloaded</code>	\@گر سبک فراخوانی شده
<code>\@ifstar</code>	\@گر ستاره
<code>\@ifundefined</code>	\@گر تعریف نشده
<code>\if</code>	\گر
<code>\if@tempswa</code>	\گر@سواقت آ
<code>\ifcase</code>	\گرانواع
<code>\ifcat</code>	\گررده
<code>\ifdefined</code>	\گر تعریف شده
<code>\ifdim</code>	\گر بعد
<code>\ifeof</code>	\گرته پرونده
<code>\iff</code>	\گرر
<code>\iffalse</code>	\گر نادرست
<code>\IfFileExists</code>	\گر پرونده موجود
<code>\ifhbox</code>	\گر کادرا
<code>\ifhmode</code>	\گر حالت ا
<code>\ifinner</code>	\گر درونی
<code>\ifmmode</code>	\گر حالت ریاضی
<code>\ifnum</code>	\گر عدد
<code>\ifodd</code>	\گر فرد
<code>\ifthenelse</code>	\گر آنگاه دیگر
<code>\iftrue</code>	\گر درست
<code>\ifvbox</code>	\گر کادرو
<code>\ifvmode</code>	\گر حالت و
<code>\ifvoid</code>	\گر تهی
<code>\ifx</code>	\گر تام
<code>\ignorespaces</code>	\فاصله خالی را ندیده بگیر
<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

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\indexentry</code>	<code>\استعلام</code>
<code>\indexname</code>	<code>\عنوان نمایه</code>
<code>\indexspace</code>	<code>\فاصله رهنما</code>
<code>\input</code>	<code>\ورودی</code>
<code>\InputIfFileExists</code>	<code>\ورود پرونده گرموجود</code>
<code>\inputlineno</code>	<code>\شماره سطر ورودی</code>
<code>\insert</code>	<code>\درج</code>
<code>\insertpenalties</code>	<code>\جریمه درج</code>
<code>\interfootnotelinepenalty</code>	<code>\جریمه بین سطرهای زیرنویس</code>
<code>\interdisplaylinepenalty</code>	<code>\جریمه بین سطرهای نمایش</code>
<code>\interlinepenalty</code>	<code>\جریمه بین سطرها</code>
<code>\intertext</code>	<code>\متن داخلی</code>
<code>\intertextsep</code>	<code>\فاصله شناور در متن</code>
<code>\invisible</code>	<code>\مخفی</code>
<code>\itdefault</code>	<code>\پیش فرض ای</code>
<code>\itshape</code>	<code>\شکل ایتالیک</code>
<code>\item</code>	<code>\فقره</code>
<code>\itemindent</code>	<code>\تورفتگی فقره</code>
<code>\itemsep</code>	<code>\فاصله فقره</code>
<code>\iterate</code>	<code>\تکرار کن</code>
<code>\itshape</code>	<code>\شکل ای</code>
<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>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<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>\لانتک</code>
<code>\LaTeXe</code>	<code>\لانتک ای</code>
<code>\lccode</code>	<code>\کد کوچک</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>
<code>\let</code>	<code>\بگذار</code>
<code>\line</code>	<code>\سطر</code>
<code>\linebreak</code>	<code>\سطر شکن</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>

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\loop</code>	<code>\حلقه</code>
<code>\looseness</code>	<code>\گسیختگی</code>
<code>\lower</code>	<code>\انتقال پیاپین</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>
<code>\makelabel</code>	<code>\ساخت برچسب</code>
<code>\makelabels</code>	<code>\ساخت برچسب ها</code>
<code>\MakeLowercase</code>	<code>\ساخت حروف کوچک</code>
<code>\maketitle</code>	<code>\عنوان ساز</code>
<code>\MakeUppercase</code>	<code>\ساخت حروف بزرگ</code>
<code>\marginpar</code>	<code>\در حاشیه</code>
<code>\marginparpush</code>	<code>\فاصله دو حاشیه</code>
<code>\marginparsep</code>	<code>\فاصله تا حاشیه</code>
<code>\marginparwidth</code>	<code>\پهنای حاشیه</code>
<code>\mark</code>	<code>\علامت</code>
<code>\markboth</code>	<code>\علامت در دو طرف</code>
<code>\markright</code>	<code>\علامت در راست</code>
<code>\mathaccent</code>	<code>\اعراب ریاضی</code>
<code>\mathchar</code>	<code>\نویسه ریاضی</code>
<code>\mathchardef</code>	<code>\تعریف نویسه ریاضی</code>
<code>\mathcode</code>	<code>\کد ریاضی</code>
<code>\mathrm</code>	<code>\ریاضی رومن</code>
<code>\maxdeadcycles</code>	<code>\حد اکثر تکرار</code>
<code>\maxdepth</code>	<code>\حد اکثر عمق صفحه</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\maxdimen</code>	<code>\بعد بیشین</code>
<code>\mbox</code>	<code>\کادر بی</code>
<code>\mdseries</code>	<code>\شما یل نازک</code>
<code>\meaning</code>	<code>\معنا</code>
<code>\mediumseries</code>	<code>\نازک</code>
<code>\medmuskip</code>	<code>\فاصله متوسط ریاضی</code>
<code>\medskip</code>	<code>\پرش متوسط</code>
<code>\medskipamount</code>	<code>\مقدار پرش متوسط</code>
<code>\medspace</code>	<code>\فضای متوسط</code>
<code>\message</code>	<code>\پیام</code>
<code>\MessageBreak</code>	<code>\پیام شکن</code>
<code>\minrowclearance</code>	<code>\حداقل فاصله ردیف</code>
<code>\mkern</code>	<code>\دوری ریاضی</code>
<code>\month</code>	<code>\ماه</code>
<code>\moveleft</code>	<code>\انتقال بچپ</code>
<code>\moveright</code>	<code>\انتقال براست</code>
<code>\mskip</code>	<code>\فاصله ریاضی</code>
<code>\m@th</code>	<code>\ری@ضی</code>
<code>\multicolumn</code>	<code>\چند ستونی</code>
<code>\multiply</code>	<code>\ضرب</code>
<code>\multispan</code>	<code>\چند ادا غام</code>
<code>\muskip</code>	<code>\میو فاصله</code>
<code>\muskipdef</code>	<code>\تعریف میو فاصله</code>
<code>\@namedef</code>	<code>\@ترنام</code>
<code>\@nameuse</code>	<code>\@کاربرد نام</code>
<code>\@ne</code>	<code>\یک@</code>
<code>\name</code>	<code>\نام</code>
<code>\natural</code>	<code>\طبیعی</code>
<code>\nearrow</code>	<code>\باریک</code>
<code>\nearrower</code>	<code>\باریکتر</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>

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<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>\اگر 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>\میوفاصله جدید</code>
<code>\newpage</code>	<code>\صفحه جدید</code>
<code>\newread</code>	<code>\بخوان جدید</code>
<code>\newsavebox</code>	<code>\تعریف کادر جدید</code>
<code>\newskip</code>	<code>\فاصله جدید</code>
<code>\newtheorem</code>	<code>\قضیه جدید</code>
<code>\newtoks</code>	<code>\جزء جدید</code>
<code>\newwrite</code>	<code>\بنویس جدید</code>
<code>\noalign</code>	<code>\بی ردیف</code>
<code>\nobreak</code>	<code>\نشکن</code>
<code>\nobreakspace</code>	<code>\فاصله نشکستی</code>
<code>\nocite</code>	<code>\بدون سند</code>
<code>\noexpand</code>	<code>\نگستر</code>
<code>\nofiles</code>	<code>\بدون پرونده</code>
<code>\noindent</code>	<code>\بدون تورفتگی</code>
<code>\nointerlineskip</code>	<code>\بی فاصله سطر</code>
<code>\nolimits</code>	<code>\بدون حد</code>
<code>\nolinebreak</code>	<code>\سطر نشکن</code>
<code>\nonstopmode</code>	<code>\پردازش بدون توقف</code>
<code>\nonfrenchspacing</code>	<code>\قواعد متعارف لاتین</code>
<code>\nonumber</code>	<code>\بدون شماره</code>
<code>\nopagebreak</code>	<code>\صفحه نشکن</code>
<code>\normalbaselines</code>	<code>\کرسیهای متعارف</code>
<code>\normalbaselineskip</code>	<code>\فاصله کرسی متعارف</code>
<code>\normalcolor</code>	<code>\رنگ عادی</code>
<code>\normalfont</code>	<code>\قلم عادی</code>
<code>\normallineskip</code>	<code>\فاصله سطر متعارف</code>
<code>\normallineskiplimit</code>	<code>\حد فاصله سطر متعارف</code>
<code>\normalmarginpar</code>	<code>\در حاشیه عادی</code>

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\normalsize</code>	<code>\اندازه‌عادی</code>
<code>\notag</code>	<code>\بدون‌اتیکت</code>
<code>\null</code>	<code>\نول</code>
<code>\nullfont</code>	<code>\قلم‌تهی</code>
<code>\number</code>	<code>\عدد</code>
<code>\numberline</code>	<code>\سطر‌عددی</code>
<code>\numberwithin</code>	<code>\شماره‌مطابق</code>
<code>\@evenfoot</code>	<code>\پایین‌صفحه‌زوج</code>
<code>\@evenhead</code>	<code>\بالای‌صفحه‌زوج</code>
<code>\@oddfoot</code>	<code>\پایین‌صفحه‌فرد</code>
<code>\@oddhead</code>	<code>\بالای‌صفحه‌فرد</code>
<code>\@outeqntrue</code>	<code>\شماره‌بیرون‌درست</code>
<code>\@outeqnfalse</code>	<code>\شماره‌بیرون‌نادرست</code>
<code>\obeylines</code>	<code>\سطربه‌سطر</code>
<code>\obeyspaces</code>	<code>\فضافعال</code>
<code>\oddsidemargin</code>	<code>\حاشیه‌فرد</code>
<code>\offinterlineskip</code>	<code>\سطوربی‌فاصله</code>
<code>\omit</code>	<code>\حذف</code>
<code>\@onlypreamble</code>	<code>\@تنهادرپیش‌درآمد</code>
<code>\onecolumn</code>	<code>\یک‌ستون</code>
<code>\onlynotes</code>	<code>\تنهایادداشت‌ها</code>
<code>\onlyslides</code>	<code>\تنهااسلایدها</code>
<code>\openin</code>	<code>\بازکن‌ورودی</code>
<code>\openout</code>	<code>\بازکن‌خروجی</code>
<code>\@optionNotUsed</code>	<code>\گزینه‌مصرف‌نشده</code>
<code>\or</code>	<code>\یا</code>
<code>\outer</code>	<code>\برونی</code>
<code>\output</code>	<code>\صفحه‌بندی</code>
<code>\outputpenalty</code>	<code>\جریمه‌صفحه‌بندی</code>
<code>\overfullrule</code>	<code>\علامت‌سرریز</code>
<code>\@preamblecmds</code>	<code>\@فرمان‌های‌پیش‌درآمد</code>
<code>\p@</code>	<code>\@پو</code>
<code>\PackageError</code>	<code>\خطای‌سبک</code>
<code>\PackageInfo</code>	<code>\اطلاع‌سبک</code>
<code>\PackageWarning</code>	<code>\هشدارسبک</code>
<code>\PackageWarningNoLine</code>	<code>\هشدارسبک‌بی‌سطر</code>
<code>\pagebreak</code>	<code>\صفحه‌شکن</code>
<code>\pagecolor</code>	<code>\رنگ‌صفحه</code>
<code>\pagedepth</code>	<code>\عمق‌صفحه</code>
<code>\pagefillllstretch</code>	<code>\کشش‌پررصفحه</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\pagefillstretch</code>	<code>\کشش پرر صفحه</code>
<code>\pagefilstretch</code>	<code>\کشش پرف صفحه</code>
<code>\pagegoal</code>	<code>\غایت صفحه</code>
<code>\pagename</code>	<code>\نام صفحه</code>
<code>\pagenumbering</code>	<code>\شماره گذاری صفحه</code>
<code>\pageref</code>	<code>\رجوع صفحه</code>
<code>\pagerulewidth</code>	<code>\ضخامت خط صفحه</code>
<code>\pageshrink</code>	<code>\فشرده گی صفحه</code>
<code>\pagestretch</code>	<code>\کشش صفحه</code>
<code>\pagestyle</code>	<code>\سبک صفحه</code>
<code>\pagetotal</code>	<code>\جمع صفحه</code>
<code>\paperheight</code>	<code>\بلندای کاغذ</code>
<code>\paperwidth</code>	<code>\پهنای کاغذ</code>
<code>\par</code>	<code>\بند</code>
<code>\paragraph</code>	<code>\پاراگراف</code>
<code>\parallel</code>	<code>\موازی</code>
<code>\parbox</code>	<code>\کادر پار</code>
<code>\parfillskip</code>	<code>\فاصله ته بند</code>
<code>\parindent</code>	<code>\تورفتگی سر بند</code>
<code>\parsep</code>	<code>\فاصله بند لیست</code>
<code>\parshape</code>	<code>\شکل بند</code>
<code>\parskip</code>	<code>\فاصله بند</code>
<code>\part</code>	<code>\بخش</code>
<code>\partname</code>	<code>\عنوان بخش</code>
<code>\partopsep</code>	<code>\فاصله بالای لیست بند</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 بد نمایی</code>
<code>\prevdepth</code>	<code>\عمق قبلی</code>
<code>\prevgraf</code>	<code>\بند قبلی</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
\printindex	\نمایه در اینجا
\ProcessOptions	\پردازش گزینه ها
\protect	\تأمین
\providecommand	\تهیه فرمان
\ProvidesClass	\آماده سازی طبقه
\ProvidesFile	\آماده سازی پرونده
\ProvidesPackage	\آماده سازی سبک
\pushtabs	\ثبت الگو
\quad	\کواد
\qqquad	\کو کواد
\@outputpagerestore	\@باز آیی خروج صفحه
\radical	\رادی کال
\raggedbottom	\پایین بی تنظیم
\raggedleft	\تنظیم از راست
\raggedright	\تنظیم از چپ
\raise	\انتقال ببالا
\raisebox	\بالا بر
\raisetag	\ترفع ا تیکت
\rangle	\زاویه ر
\rceil	\سقف ر
\read	\بخوان
\ref	\ارجوع
\reflectbox	\کادر قرینه
\refname	\عنوان مراجع
\refstepcounter	\گام شمارنده مرجع
\relax	\راحت
\removelastskip	\رفع آخرین فاصله
\renewcommand	\فرمان از نو
\renewenvironment	\محیط از نو
\repeat	\از نو
\RequirePackage	\سبک مورد نیاز
\RequirePackageWithOptions	\سبک مورد نیاز با گزینه
\resizebox	\کادر کشیده
\reversemarginpar	\در حاشیه معکوس
\rfloor	\کف ر
\right	\راست
\rightmargin	\حاشیه راست
\rightmark	\علامت راست
\rightpageskip	\کادر تا راست
\rightskip	\فاصله انتهای سطر

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<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>\مفکادر</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>\scripstyle</code>	<code>\سبک ته نوشت</code>
<code>\scrollmode</code>	<code>\پردازش گذاری</code>
<code>\section</code>	<code>\قسمت</code>
<code>\secdef</code>	<code>\تعریف قسمت</code>
<code>\see</code>	<code>\ببینید</code>
<code>\seealso</code>	<code>\نیز ببینید</code>
<code>\seename</code>	<code>\نام ببینید</code>
<code>\selectfont</code>	<code>\قلم بردار</code>
<code>\setboolean</code>	<code>\تنظیم بولی</code>
<code>\setbox</code>	<code>\در کادر</code>
<code>\setcounter</code>	<code>\مقدار شمارنده</code>
<code>\setkeys</code>	<code>\مقدار کلیدها</code>
<code>\setlength</code>	<code>\مقدار بعد</code>
<code>\setminus</code>	<code>\تنظیم منها</code>
<code>\SetSymbolFont</code>	<code>\تعریف قلم علائم</code>
<code>\settodepth</code>	<code>\تنظیم به عمق</code>
<code>\settoheight</code>	<code>\تنظیم به ارتفاع</code>
<code>\settowidth</code>	<code>\مقدار بعد به اندازه</code>
<code>\sfcode</code>	<code>\کد ضریب فاصله</code>
<code>\sfdefault</code>	<code>\پیش فرض س ف</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
\sffamily	\فامیل سن سریف
\shadowbox	\کادر سایه دار
\sharp	\تیز
\shipout	\بفرست
\shortstack	\پشته کوتاه
\show	\نمایش بده
\showbox	\نمایش بده کادر
\showboxbreadth	\میزان نمایش کادر
\showboxdepth	\عمق نمایش کادر
\showlists	\نمایش بده لیستها
\showthe	\نمایش بده محتوای
\simplefontmode	\حالت ساده قلم
\sist@@n	\شانزد @
\skewchar	\نویسه اریب
\skip	\فاصله
\skip@	\فاصل @
\skipdef	\تعریف فاصله
\sl	\خوابیده
\sldefault	\پیش فرض خو
\slshape	\شکل خوابیده
\sloppy	\راحت چین
\slshape	\شمایل خو
\small	\کوچک
\smallskip	\پرش کوتاه
\smallskipamount	\مقدار پرش کوتاه
\smash	\کوب
\smile	\لبخند
\snglftlocatcode	\کد مکان همانطور
\space	\فضا
\spacefactor	\ضریب فاصله
\spaceskip	\فاصله کلمات
\spadesuit	\پیک
\span	\ادغام
\special	\ویژه
\splitmaxdepth	\حد اکثر عمق ستون
\splittopskip	\فاصله بالای ستون
\star	\ستاره
\stepcounter	\گام شمارنده
\stretch	\کشی
\string	\رشته

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\strut</code>	<code>\שמع</code>
<code>\strutbox</code>	<code>\کادرשמع</code>
<code>\subitem</code>	<code>\زیربند</code>
<code>\subparagraph</code>	<code>\زیرپاراگراف</code>
<code>\subsection</code>	<code>\زیرقسمت</code>
<code>\substack</code>	<code>\زیرپشته</code>
<code>\subsubitem</code>	<code>\زیرزیربند</code>
<code>\subsubsection</code>	<code>\زیرزیرقسمت</code>
<code>\subset</code>	<code>\زیرمجموعه</code>
<code>\subseteq</code>	<code>\زیرمجموعه مس</code>
<code>\supereject</code>	<code>\منتهاى صفحه</code>
<code>\suppressfloats</code>	<code>\حذف مکان شناور</code>
<code>\@tempa</code>	<code>\@موقت آ</code>
<code>\@tempb</code>	<code>\@موقت ب</code>
<code>\@tempc</code>	<code>\@موقت پ</code>
<code>\@tempd</code>	<code>\@موقت ت</code>
<code>\@tempe</code>	<code>\@موقت ث</code>
<code>\@tempboxa</code>	<code>\@کادرقت آ</code>
<code>\@tempcnta</code>	<code>\@شماقت آ</code>
<code>\@tempcntb</code>	<code>\@شماقت ب</code>
<code>\@tempdima</code>	<code>\@بعدقت آ</code>
<code>\@tempdimb</code>	<code>\@بعدقت ب</code>
<code>\@tempdimc</code>	<code>\@بعدقت پ</code>
<code>\@tempskipa</code>	<code>\@فاقت آ</code>
<code>\@tempskipb</code>	<code>\@فاقت ب</code>
<code>\@tempswafalse</code>	<code>\@سواقت آنادرست</code>
<code>\@tempswatrue</code>	<code>\@سواقت آدرست</code>
<code>\@temptokena</code>	<code>\@جزقت آ</code>
<code>\@thefnmark</code>	<code>\انگ زیرنویس</code>
<code>\@thirdofthree</code>	<code>\@سومی از سه</code>
<code>\tabbingsep</code>	<code>\فاصله جاگذاری</code>
<code>\tabcolsep</code>	<code>\فاصله بین ستونها</code>
<code>\tableofcontents</code>	<code>\فهرست مطالب</code>
<code>\tablename</code>	<code>\عنوان جدول</code>
<code>\tabskip</code>	<code>\فاصله ستونها</code>
<code>\tabularnewline</code>	<code>\ته سطر جدول</code>
<code>\tag</code>	<code>\اتیکت</code>
<code>\telephone</code>	<code>\تلفن</code>
<code>\TeX</code>	<code>\تک</code>
<code>\text</code>	<code>\متن</code>

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\textbullet</code>	\گلوله متنی
<code>\textfont</code>	\قلم متن
<code>\textemdash</code>	\ام‌دش متنی
<code>\textendash</code>	\ان‌دش متنی
<code>\textexclamdown</code>	\تعجب وارونه متنی
<code>\textperiodcentered</code>	\نقطه وسط متنی
<code>\textquestiondown</code>	\سوال وارونه متنی
<code>\textquotedblleft</code>	\نقل چپ متنی دولا
<code>\textquotedblright</code>	\نقل راست متنی دولا
<code>\textquoteleft</code>	\نقل متنی چپ
<code>\textquoteright</code>	\نقل متنی راست
<code>\textvisiblespace</code>	\فضای نمایان متنی
<code>\textbackslash</code>	\شکافت پشت متنی
<code>\textbar</code>	\میله متنی
<code>\textgreater</code>	\بزرگ تر متنی
<code>\textless</code>	\کمتر متنی
<code>\textbf</code>	\متن سیاه
<code>\textcircled</code>	\مدور متنی
<code>\textcolor</code>	\رنگ متن
<code>\textcompwordmark</code>	\نشان کلمه مرکب متن
<code>\textfloatsep</code>	\فاصله متن و شناور
<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>	\ثبتی متنی
<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>	\سبک متنی
<code>\textsuperscript</code>	\بالا نویس متنی
<code>\texttrademark</code>	\علامت تجاری متنی
<code>\texttt</code>	\متن تایپ
<code>\textup</code>	\متن ایستاده
<code>\textwidth</code>	\پهنای متن
<code>\thanks</code>	\زیر نویس عنوان
<code>\the</code>	\محتوای

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Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\thempfn</code>	\این زیرنویس
<code>\thicklines</code>	\خط‌ها ضخیم
<code>\thickmuskip</code>	\فاصله زیاد ریاضی
<code>\thinmuskip</code>	\فاصله کم ریاضی
<code>\thickspace</code>	\فضا ضخیم
<code>\thinlines</code>	\خط‌ها نازک
<code>\thinspace</code>	\دوری کوچک
<code>\thisfancypage</code>	\این صفحه تجملی
<code>\thispagestyle</code>	\سبک 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>	\حدبدنمایی
<code>\top</code>	\بالا
<code>\topfigrule</code>	\خط بالای شناور
<code>\topfraction</code>	\نسبت بالا
<code>\topmargin</code>	\حاشیه بالا
<code>\topmark</code>	\علامت بالا
<code>\toppageskip</code>	\کادر تا بالا
<code>\topsep</code>	\فاصله بالای لیست
<code>\topskip</code>	\فاصله بالا
<code>\totalheight</code>	\بلندای کل
<code>\tracingall</code>	\ردگیری کل
<code>\tracingcommands</code>	\ردگیری فرامین
<code>\tracinglostchars</code>	\ردگیری حروف
<code>\tracingmacros</code>	\ردگیری ماکروها
<code>\tracingonline</code>	\ردگیری نمایشی
<code>\tracingoutput</code>	\ردگیری صفحه‌بندی
<code>\tracingpages</code>	\ردگیری صفحات
<code>\tracingparagraphs</code>	\ردگیری بندها
<code>\tracingrestores</code>	\ردگیری بازگردانی
<code>\tracingstats</code>	\ردگیری آمارها
<code>\triangle</code>	\مثلث

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<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>\درنویس</code>
<code>\typeout</code>	<code>\برنویس</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 کادرا</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>
<code>\usecounter</code>	<code>\باشمارشگر</code>
<code>\usefont</code>	<code>\گزینش قلم</code>
<code>\usepackage</code>	<code>\سبک لازم</code>
<code>\@vobeyspaces</code>	<code>\@فضاهای فعال</code>
<code>\@void</code>	<code>\@تهی</code>
<code>\vadjust</code>	<code>\تنظیم و</code>
<code>\valign</code>	<code>\ردیف و</code>
<code>\value</code>	<code>\محتوای شمارنده</code>
<code>\vbadness</code>	<code>\بدنمایی و</code>
<code>\vbox</code>	<code>\کادرو</code>
<code>\vcenter</code>	<code>\کادرو وسط</code>
<code>\verb</code>	<code>\همانطور</code>
<code>\vfil</code>	<code>\پرو</code>
<code>\vfill</code>	<code>\پررو</code>
<code>\vfilneg</code>	<code>\رفع پرو</code>
<code>\vfuzz</code>	<code>\پرزعمودی</code>
<code>\visible</code>	<code>\نمایان</code>
<code>\vline</code>	<code>\خط عمود</code>
<code>\voffset</code>	<code>\حاشیه و</code>

Continued on next page

Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\voidb@x</code>	<code>\ک@درتهی</code>
<code>\vpageref</code>	<code>\ارجاع صفحه ع</code>
<code>\vrbboxsep</code>	<code>\فاصله وگرد</code>
<code>\vref</code>	<code>\ارجاع ع</code>
<code>\vrule</code>	<code>\خط و</code>
<code>\vsize</code>	<code>\طول صفحه</code>
<code>\vskip</code>	<code>\فاصله و</code>
<code>\vspace</code>	<code>\فضای و</code>
<code>\vsplit</code>	<code>\شکست و</code>
<code>\vss</code>	<code>\هر دو و</code>
<code>\vtop</code>	<code>\کادر گود</code>
<code>\wd</code>	<code>\عرض</code>
<code>\whiledo</code>	<code>\مادام بکن</code>
<code>\widehat</code>	<code>\کلاه پهن</code>
<code>\widetilde</code>	<code>\مد پهن</code>
<code>\widowpenalty</code>	<code>\جریمه ته بند</code>
<code>\width</code>	<code>\پهنا</code>
<code>\wlog</code>	<code>\درکار نامه</code>
<code>\write</code>	<code>\بنویس</code>
<code>\@xobeysp</code>	<code>\ک@فضای لاتین</code>
<code>\@xxxii</code>	<code>\سی@دو</code>
<code>\xdef</code>	<code>\ترگج</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>\ک@فر</code>
<code>\z@skip</code>	<code>\ک@فر فاصله</code>

Table 2: The Equivalent XePersian Commands

Command in XePersian	Equivalent Persian Command
<code>\autofootnoterule</code>	<code>\خط زیر نویس 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>

Continued on next page

Command in XePersian	Equivalent Persian Command
\leftfootnoterule	\خط زیرنویس چپ
\lr	\متن لاتین
\LRE	\چپ بر است
\LTRdblcol	\دوستونی چپ
\LTRfootnote	\پانویس
\LTRfootnotetext	\متن پانویس
\LTRthanks	\پانویس عنوان
\persianday	\روز پارسی
\persianfont	\قلم پارسی
\PersianMathsDigits	\اعداد فرمولها پارسی
\persianmonth	\ماه پارسی
\persianyear	\سال پارسی
\plq	\علامت چپ نقل قول پارسی
\prq	\علامت راست نقل قول پارسی
\rightfootnoterule	\خط زیرنویس راست
\rl	\متن پارسی
\RLE	\راست بچپ
\RTLdblcol	\دوستونی راست
\RTLfootnote	\پانوش
\RTLfootnotetext	\متن پانوش
\RTLthanks	\پانوش عنوان
\@SepMark	\@علامت بین
\SepMark	\علامت بین
\setdefaultbibitems	\بگذار مرجوعات عادی
\setdefaultmarginpar	\بگذار در حاشیه عادی
\setdigitfont	\گزینش قلم اعداد فرمولها
\setfootnoteLR	\بگذار زیرنویس چپ
\setfootnoteRL	\بگذار زیرنویس راست
\setlatintextfont	\گزینش قلم لاتین متن
\setLTR	\بگذار متن چپ
\setLTRbibitems	\بگذار مرجوعات چپ
\setLTRmarginpar	\بگذار در حاشیه چپ
\setRTL	\بگذار متن راست
\setRTLbibitems	\بگذار مرجوعات راست
\setRTLmarginpar	\بگذار در حاشیه راست
\settextfont	\گزینش قلم متن
\textwidthfootnoterule	\خط زیرنویس پهنای متن
\twocolumnstableofcontents	\فهرست مطالب دوستونی
\unsetfootnoteRL	\نگذار زیرنویس راست
\unsetLTR	\نگذار متن چپ

Continued on next page

Command in XePersian	Equivalent Persian Command
<code>\unsetRTL</code>	<code>\نگذارمتنراست</code>
<code>\vboxL</code>	<code>\کادروازچپ</code>
<code>\vboxR</code>	<code>\کادروازراست</code>
<code>\XeLaTeX</code>	<code>\زیلاتک</code>
<code>\XePersian</code>	<code>\زیپرشین</code>
<code>\xepersianversion</code>	<code>\گونهزیپرشین</code>
<code>\xepersiandate</code>	<code>\تاریخگونهزیپرشین</code>
<code>\XeTeX</code>	<code>\زیتک</code>

Table 3: The Equivalent \LaTeX Environments

Environment in \LaTeX	Equivalent Persian Environment
<code>abstract</code>	<code>چکیده</code>
<code>appendix</code>	<code>پیوست</code>
<code>array</code>	<code>آرایه</code>
<code>center</code>	<code>وسطچین</code>
<code>description</code>	<code>توضیح</code>
<code>displaymath</code>	<code>ریاضی نمایشی</code>
<code>document</code>	<code>نوشتار</code>
<code>enumerate</code>	<code>شمارش</code>
<code>figure</code>	<code>شکل</code>
<code>figure*</code>	<code>شکل*</code>
<code>filecontents</code>	<code>محتوای پرونده</code>
<code>filecontents*</code>	<code>محتوای پرونده*</code>
<code>flushleft</code>	<code>چپ چین</code>
<code>flushright</code>	<code>راست چین</code>
<code>itemize</code>	<code>فقرات</code>
<code>letter</code>	<code>نامه</code>
<code>list</code>	<code>لیست</code>
<code>longtable</code>	<code>جدول دراز</code>
<code>lrbox</code>	<code>کادرچ</code>
<code>math</code>	<code>ریاضی</code>
<code>matrix</code>	<code>ماتریس</code>
<code>minipage</code>	<code>صفحه کوچیک</code>
<code>multicols</code>	<code>چندستونی ها</code>
<code>multline</code>	<code>چند خطی</code>
<code>note</code>	<code>یادداشت</code>
<code>overlay</code>	<code>انباشتن</code>
<code>picture</code>	<code>تصویر</code>
<code>quotation</code>	<code>اقتباس</code>

Continued on next page

Environment in \LaTeX	Equivalent Persian Environment
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
LTRitems	دسته بندی چپ
persian	پارسی
RTL	متن راست
RTLitems	دسته بندی 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

Continued on next page

Position argument in \LaTeX	Equivalent Persian position argument
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).

2.4.5 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	مبدا
clip	بی اضافه
keepaspectratio	حفظ تناسب
natwidth	پهنای طبیعی
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

2.4.6 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
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

Continued on next page

Original font feature	Equivalent Persian font feature
Opacity	کدري
Mapping	نگاشت
Weight	سنگيني
Width	پهنا
OpticalSize	اندازه چشمي
FakeSlant	خواييده تقلبي
FakeStretch	کشش تقلبي
FakeBold	سياه تقلبي
AutoFakeSlant	خواييده تقلبي خودکار
AutoFakeBold	سياه تقلبي خودکار
Ligatures	دو يا چند حرف متصل به هم
Alternate	متناوب
Variant	گوناگون
Variant	مجموعه سبكي
CharacterVariant	گوناگوني نويسه
ScriptStyle	سبک اسکرپت
ScriptScriptStyle	سبک اسکرپت اسکرپت
Style	سبک
Annotation	يادداشت
RawFeature	ويژگي هاي کال
CharacterWidth	پهنای نويسه
Numbers	ارقام
Contextuals	متني
Diacritics	تفکيک کننده ها
Letters	حروف
Kerning	دوري
VerticalPosition	موقعيت عمودي
Fractions	کسر

Table 9: Persian Equivalent font feature options

font feature	font feature option	Persian font feature option
Language	Default	پيش فرض
Language	Parsi	پارسي
Script	Parsi	پارسي
Script	Latin	لاتين

2.5 A Sample Input T_EX File

```

1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \title{يک سند نمونه}
5 \author{نام نويسنده}
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 زیرقسمت}
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. If you do not use this command at all, the Persian Modern² font will be used 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 and if you do not use this command at all, the Persian Modern font for digits in math mode will be used.
- ☞ `\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).

²You do not need to install Persian Modern fonts since they are already included in your TeX distribution.

☞ `\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

```
\setiranicfont [Options] {\font name}  
\iranicfamily \textiranic{<text>}
```

2.6.6 Choosing Persian Navar Font

```
\setnavarfont [Options] {\font name}  
\navarfamly \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.

If you do not use `\setiranicfont` command at all, the Persian Modern font will be used.

If you do not use `\setpookfont` command at all, the Persian Modern font will be used.

If you do not use `\setsayehfont` command at all, the Persian Modern font will be used.

- ☞ `\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 \TeX 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`

`\DefaultMathsDigits` `\PersianMathsDigits` `\AutoMathsDigits`

☞ 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 and if you do not use this command at all, the Persian Modern font for digits in math mode will be used.

☞ 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

```
\ifwritexviii
  <material when Shell escape (or write18) is enabled>
\else
  <material when Shell escape (or write18) is not enabled>
\fi
```

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 `ل`, `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`, `ل`, `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 create³ a magazine just load the class as usual⁴, 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.g](#).

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 `<image>` and `<description>`. Notice that second argument is optional and it declares the image 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.

³For a sample file, please look at `magazine-sample.tex` in the doc folder

⁴You 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.

```
\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 [subsubsection 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 `<title>` 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{<image>}{<day-name>}{<max>}{<min>}{<short-des>}
```

The first argument includes the path to the weather icon (i.e. sunny or rainy), `<day-name>` like Monday, `<max>` and `<min>` are the highest and lowest day temperatures and `<short-des>` 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 [subsection 6.1.5](#), the `editorial` environment [subsection 6.1.6](#) for opinion articles and the `shortarticle` environment explained in [subsection 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}{<num-of-columns>}{<title>}{<subtitle>}{<pagesof>}{<label>}  
...<text>...  
\end{article}
```

The first argument `<num-of-columns>` sets the number of columns the article will be divided whereas `<label>` 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 multicol package does not provide any float support for its multicol 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>}
```

```
\columntitle \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

```
\columntitle{<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}{<num-of-columns>}{<title>}{<author>}{<label>}  
...<text>...  
\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 *section name*. 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{\langle text \rangle}
\customminilogo{\langle text \rangle}
\custommagazinenam{\langle text \rangle}

```

```
\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 lay out.

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 \ جواب  
4 \false \ جواب  
5 \false \ 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 \LaTeX 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\latinfont#1\fi\unskip\strut\par}}
26
27
28
29
30
31 \long\def\@RTLfootnotetext#1{%
32   \insert\footins{%
33     \@RTLtrue%
34     \normalfont\footnotesize
35     \interlinepenalty\interfootnotelinepenalty
36     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
37     \floatingpenalty\@MM \hsize\columnwidth
38     \@parboxrestore \parindent\normalparindent \sloppy
39     \protected@edef\@currentlabel{%
40       \csname p@footnote\endcsname\@thefnmark}%
41     \@makefntext{%
42       \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}
43
44
45
46
47
48
49
50 \long\def\@LTRfootnotetext#1{%
51   \insert\footins{%
52     \@RTLfalse%
53     \normalfont\footnotesize
54     \interlinepenalty\interfootnotelinepenalty
55     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
56     \floatingpenalty\@MM \hsize\columnwidth
57     \@parboxrestore \parindent\normalparindent \sloppy
58     \protected@edef\@currentlabel{%
59       \csname p@footnote\endcsname\@thefnmark}%

```

```

60 \makefnintext{%
61 \rule{z@}{footnotesep}\ignorespaces\latinfont #1\unskip\strut\par}}
62
63
64 \footdir@temp\footdir@ORG@xepersian@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
65 \footdir@temp\footdir@ORG@xepersian@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
66 \footdir@temp\footdir@ORG@xepersian@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
67

```

7.4 amsbook-xepersian.def

```

68 \ProvidesFile{amsbook-xepersian.def}[2013/04/26 v0.4 adaptations for amsbook class]
69 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
70 \renewcommand \thepart {\@tartibi\c@part}
71 \def\appendix{\par
72 \c@chapter\z@ \c@section\z@
73 \let\chaptername\appendixname
74 \def\thechapter{\@harfi\c@chapter}}
75
76 \long\def\@footnotetext#1{%
77 \insert\footins{%
78 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
79 \normalfont\footnotesize
80 \interlinepenalty\interfootnotelinepenalty
81 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
82 \floatingpenalty\@MM \hsize\columnwidth
83 \@parboxrestore \parindent\normalparindent \sloppy
84 \protected@edef\@currentlabel{%
85 \csname p@footnote\endcsname\@thefnmark}%
86 \makefnintext{%
87 \rule{z@}{footnotesep}\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
88
89
90
91
92
93 \long\def\@RTLfootnotetext#1{%
94 \insert\footins{%
95 \@RTLtrue%
96 \normalfont\footnotesize
97 \interlinepenalty\interfootnotelinepenalty
98 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
99 \floatingpenalty\@MM \hsize\columnwidth
100 \@parboxrestore \parindent\normalparindent \sloppy
101 \protected@edef\@currentlabel{%
102 \csname p@footnote\endcsname\@thefnmark}%
103 \makefnintext{%
104 \rule{z@}{footnotesep}\ignorespaces\persianfont #1\unskip\strut\par}}
105
106

```

```

107
108
109
110
111
112 \long\def\@LTRfootnotetext#1{%
113   \insert\footins{%
114     \@RTLfalse%
115     \normalfont\footnotesize
116     \interlinepenalty\interfootnotelinepenalty
117     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
118     \floatingpenalty\@MM \hsize\columnwidth
119     \@parboxrestore \parindent\normalparindent \sloppy
120     \protected@edef\@currentlabel{%
121       \csname p@footnote\endcsname\@thefnmark}%
122     \@makefntext{%
123       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}}%
124
125 \footdir@temp\footdir@ORG@xepersian@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}
126 \footdir@temp\footdir@ORG@xepersian@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
127 \footdir@temp\footdir@ORG@xepersian@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
128

```

7.5 article-xepersian.def

```

129 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]
130 \renewcommand \thepart {\@tartibi\c@part}
131 \renewcommand\appendix{\par
132   \setcounter{section}{0}%
133   \setcounter{subsection}{0}%
134   \gdef\thesection{\@harfi\c@section}}

```

7.6 artikel1-xepersian.def

```

135 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
136 \renewcommand*\thepart{\@tartibi\c@part}
137 \renewcommand*\appendix{\par
138   \setcounter{section}{0}%
139   \setcounter{subsection}{0}%
140   \gdef\thesection{\@harfi\c@section}}

```

7.7 artikel2-xepersian.def

```

141 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
142 \renewcommand*\thepart{\@tartibi\c@part}
143 \renewcommand*\appendix{\par
144   \setcounter{section}{0}%
145   \setcounter{subsection}{0}%
146   \gdef\thesection{\@harfi\c@section}}

```

7.8 artikel3-xepersian.def

```

147 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
148 \renewcommand*\thepart{\@tartibi\c@part}
149 \renewcommand*\appendix{\par
150   \setcounter{section}{0}%
151   \setcounter{subsection}{0}%
152   \gdef\thesection{\@harfi\c@section}}

```

7.9 backref-xepersian.def

```

153 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
154 \def\backrefpagesname{\if@RTL else\   pages\fi}
155 \def\BR@Latincitex[#1]#2{%
156   \BRorg@Latincitex[{#1}]{#2}%
157   \ifBR@verbose
158     \PackageInfo{backref}{back Latin cite \string`#2\string'}%
159   \fi
160   \Hy@backout{#2}%
161 }
162 \AtBeginDocument{%
163   \ifundefined{NAT@parse}{%
164     \global\let\BRorg@Latincitex\@Latincitex
165     \global\let\@Latincitex\BR@Latincitex
166   }{%
167     \ifpackageloaded{hyperref}{%}{%
168       \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
169     }%
170     \PackageInfo{backref}{** backref set up for natbib **}%
171   }%
172 }%

```

7.10 bidentuftsidenote-xepersian.def

```

173 \ProvidesFile{bidentuftsidenote-xepersian.def}[2011/06/18 v0.1 xepersian changes to bidentuftsidenote]
174 \long\def\@LTRbidentuftsidenote@sidenote[#1][#2]#3{%
175   \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
176   \gdef\@bidentuftsidenote@citations{}% clear out any old citations
177   \ifthenelse{\NOT\isempty{#2}}{%
178     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{#2}%
179   }{%
180     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{0pt}%
181   }%
182   \ifthenelse{\isempty{#1}}{%
183     % no specific footnote number provided
184     \stepcounter{\@mpfn}%
185     \protected@xdef\@thefnmark{\thempfn}%
186     \@footnotemark\@LTRfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\latinfont#3}
187   }{%
188     % specific footnote number provided
189     \begingroup%
190       \csname c@\@mpfn\endcsname #1\relax%
191       \unrestored@protected@xdef\@thefnmark{\thempfn}%

```

```

192 \endgroup%
193 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\latinfont#3}
194 }%
195 \@bidityftesidenote@print@citations%          print any citations
196 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
197 \unskip\ignorespaces%                          remove extra white space
198 \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
199 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
200 }
201 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
202 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
203 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
204 \ifthenelse{\NOT\isempty{#2}}{%
205 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
206 }{%
207 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
208 }%
209 \ifthenelse{\isempty{#1}}{%
210 % no specific footnote number provided
211 \stepcounter\@mpfn%
212 \protected@xdef\@thefnmark{\thempfn}%
213 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\persianfont#
214 }{%
215 % specific footnote number provided
216 \begingroup%
217 \csname c@\@mpfn\endcsname #1\relax%
218 \unrestored@protected@xdef\@thefnmark{\thempfn}%
219 \endgroup%
220 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\persianfont#
221 }%
222 \@bidityftesidenote@print@citations%          print any citations
223 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
224 \unskip\ignorespaces%                          remove extra white space
225 \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
226 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
227 }
228 \renewcommand\LTRmarginnote[2][Opt]{%
229 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
230 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
231 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\latinfont
232 \@bidityftesidenote@print@citations%          print any citations
233 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
234 }
235 \renewcommand\RTLmarginnote[2][Opt]{%
236 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
237 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
238 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\persianfont
239 \@bidityftesidenote@print@citations%          print any citations
240 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
241 }

```

7.11 bidimoderncv-xepersian.def

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

7.12 boek3-xepersian.def

```
244 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
245 \renewcommand*\thepart{\@tartibi\c@part}
246 \renewcommand*\frontmatter{%
247   \cleardoublepage
248   \@mainmatterfalse
249   \pagenumbering{harfi}}
250 \renewcommand*\appendix{\par
251   \setcounter{chapter}{0}%
252   \setcounter{section}{0}%
253   \gdef\@chapapp{\appendixname}%
254   \gdef\thechapter{\@harfi\c@chapter}}
```

7.13 boek-xepersian.def

```
255 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
256 \renewcommand*\thepart{\@tartibi\c@part}
257 \renewcommand*\frontmatter{%
258   \cleardoublepage
259   \@mainmatterfalse
260   \pagenumbering{harfi}}
261 \renewcommand*\appendix{\par
262   \setcounter{chapter}{0}%
263   \setcounter{section}{0}%
264   \gdef\@chapapp{\appendixname}%
265   \gdef\thechapter{\@harfi\c@chapter}}
```

7.14 bookest-xepersian.def

```
266 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
267 \renewcommand \thepart {\@tartibi\c@part}
268 \renewcommand\appendix{\par
269   \setcounter{chapter}{0}%
270   \setcounter{section}{0}%
271   \gdef\@chapapp{\appendixname}%
272   \gdef\thechapter{\@harfi\c@chapter}
273 }%end appendix
```

7.15 book-xepersian.def

```
274 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
275 \renewcommand\frontmatter{%
276   \cleardoublepage
277   \@mainmatterfalse
278   \pagenumbering{harfi}}
279 \renewcommand \thepart {\@tartibi\c@part}
280 \renewcommand\appendix{\par
```

```

281 \setcounter{chapter}{0}%
282 \setcounter{section}{0}%
283 \gdef\@chapapp{\appendixname}%
284 \gdef\thechapter{\@harfi\c@chapter}
285 }%end appendix

```

7.16 breqn-xepersian.def

```

286 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
287 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
288 \everydisplay\expandafter{\the\everydisplay \display@setup}%
289 \if@noskipsec \leavevmode \fi
290 \if@inlabel \leavevmode \global\@inlabelfalse \fi
291 \if\eq@group\else\eq@prelim\fi
292 \setkeys{breqn}{#1}%
293 \the\eqstyle
294 \eq@setnumber
295 \begingroup
296 \eq@setup@a
297 \eq@startup
298 }
299 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
300 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
301 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
302 \global\let\GRP@label\@empty
303 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
304 \global\grp@linewidth\z@\global\grp@wdNum\z@
305 \global\let\grp@eqs@numbered\@False
306 \global\let\grp@aligned\@True
307 \global\let\grp@shiftnumber\@False
308 \eq@prelim
309 \setkeys{breqn}{#1}%
310 \if\grp@hasNumber \grp@setnumber \fi
311 }
312 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
313 \let\display@setup\dseries@display@setup
314 % Question: should this be the default for dseries???
315 \global\eq@wdCond\z@
316 \@dmath[layout={M},#1]%
317 \mathsurround\z@\@math \penalty\@Mi
318 \let\endmath\ends@math
319 \def\premath{%
320 \ifdim\lastskip<.3em \unskip
321 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
322 }%
323 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
324 \ignorespaces
325 }

```

7.17 latex-localise-commands-xepersian.def


```

326 \ProvidesFile{latex-localise-commands-xepersian.def}[2010/07/25 v0.2 Persian localisation of LaTeX]
327 \eqcommand{ }{@arstrut}
328 \eqcommand{ }{above}
329 \eqcommand{ }{abovedisplayshortskip}
330 \eqcommand{ }{abovedisplayskip}
331 \eqcommand{ }{abstractname}
332 \eqcommand{ }{accent}
333 \eqcommand{ }{active}
334 \eqcommand{ }{addcontentsline}
335 \eqcommand{ }{addpenalty}
336 \eqcommand{ }{address}
337 \eqcommand{ }{addtocontents}
338 \eqcommand{ }{addtocounter}
339 \eqcommand{ }{addtolength}
340 \eqcommand{ }{addvspace}
341 \eqcommand{ }{adjdemerits}
342 \eqcommand{ }{advance}
343 \eqcommand{ }{afterassignment}
344 \eqcommand{ }{aftergroup}
345 \eqcommand{ }{aleph}
346 \eqcommand{ }{aliasfontfeature}
347 \eqcommand{ }{aliasfontfeatureoption}
348 \eqcommand{ }{allowbreak}
349 \eqcommand{ @}{alloc@}
350 \eqcommand{ }{allocationnumber}
351 \eqcommand{ }{allowdisplaybreaks}
352 \eqcommand{ }{Alph}
353 \eqcommand{ }{alph}
354 \eqcommand{ }{alsoname}
355 \eqcommand{ }{and}
356 \eqcommand{ }{angle}
357 \eqcommand{ }{appendixname}
358 \eqcommand{ }{approx}
359 \eqcommand{ }{arabic}
360 \eqcommand{ }{arg}
361 \eqcommand{ }{arrayrulecolor}
362 \eqcommand{ }{arraycolsep}
363 \eqcommand{ }{arrayrulewidth}
364 \eqcommand{ }{arraystretch}
365 \eqcommand{ }{AtBeginDocument}
366 \eqcommand{ }{AtEndDocument}
367 \eqcommand{ }{AtEndOfClass}
368 \eqcommand{ }{AtEndOfPackage}
369 \eqcommand{ }{author}
370 \eqcommand{ }{backmatter}
371 \eqcommand{ }{backslash}
372 \eqcommand{ }{badness}
373 \eqcommand{ }{bar}
374 \eqcommand{ }{baselineskip}
375 \eqcommand{ }{baselinestretch}

```

```

376 \eqcommand{      }{batchmode}
377 \eqcommand{ }{begin}
378 \eqcommand{ }{beginL}
379 \eqcommand{ }{beginR}
380 \eqcommand{ }{begingroup}
381 \eqcommand{      }{belowdisplaysshortskip}
382 \eqcommand{      }{belowdisplayskip}
383 \eqcommand{ }{bf}
384 \eqcommand{      }{bfdefault}
385 \eqcommand{      }{bfseries}
386 \eqcommand{ }{bgroup}
387 \eqcommand{ }{bibitem}
388 \eqcommand{      }{bibliography}
389 \eqcommand{      }{bibliographystyle}
390 \eqcommand{      }{bibname}
391 \eqcommand{      }{bigskip}
392 \eqcommand{      }{bigskipamount}
393 \eqcommand{      }{botfigrule}
394 \eqcommand{      }{botmark}
395 \eqcommand{      }{bottompageskip}
396 \eqcommand{      }{bottomfraction}
397 \eqcommand{ }{box}
398 \eqcommand{      }{boxmaxdepth}
399 \eqcommand{ }{break}
400 \eqcommand{ }{bullet}
401 \eqcommand{ @ }{@cclv}
402 \eqcommand{ @ }{@cclvi}
403 \eqcommand{ }{caption}
404 \eqcommand{ }{catcode}
405 \eqcommand{ }{cc}
406 \eqcommand{      }{ccname}
407 \eqcommand{ }{cdot}
408 \eqcommand{ }{cdots}
409 \eqcommand{      }{centering}
410 \eqcommand{      }{centerline}
411 \eqcommand{ @ }{ch@ck}
412 \eqcommand{ }{chapter}
413 \eqcommand{      }{chaptername}
414 \eqcommand{ }{char}
415 \eqcommand{      }{chardef}
416 \eqcommand{      }{CheckCommand}
417 \eqcommand{ }{cite}
418 \eqcommand{      }{ClassError}
419 \eqcommand{      }{ClassInfo}
420 \eqcommand{      }{ClassWarning}
421 \eqcommand{      }{ClassWarningNoLine}
422 \eqcommand{      }{cleaders}
423 \eqcommand{      }{cleardoublepage}
424 \eqcommand{      }{clearpage}
425 \eqcommand{      }{cline}

```

```

426 \eqcommand{      }\{closein}
427 \eqcommand{      }\{closeout}
428 \eqcommand{      }\{closing}
429 \eqcommand{      }\{clubpenalty}
430 \eqcommand{      }\{clubsuit}
431 \eqcommand{      }\{colbotmark}
432 \eqcommand{      }\{colfirstmark}
433 \eqcommand{      }\{color}
434 \eqcommand{      }\{colorbox}
435 \eqcommand{      }\{coltopmark}
436 \eqcommand{      }\{columncolor}
437 \eqcommand{      }\{columnsep}
438 \eqcommand{      }\{columnwidth}
439 \eqcommand{      }\{columnseprule}
440 \eqcommand{      }\{contentsline}
441 \eqcommand{      }\{contentsname}
442 \eqcommand{      }\{copy}
443 \eqcommand{      }\{copyright}
444 \eqcommand{      }\{count}
445 \eqcommand{      @}\{count@}
446 \eqcommand{      }\{countdef}
447 \eqcommand{      }\{cr}
448 \eqcommand{      }\{crrcr}
449 \eqcommand{      }\{csname}
450 \eqcommand{      }\{CurrentOption}
451 \eqcommand{      }\{dashbox}
452 \eqcommand{      }\{dashv}
453 \eqcommand{@      }\{@date}
454 \eqcommand{      }\{date}
455 \eqcommand{      }\{day}
456 \eqcommand{      }\{dblbotfigrule}
457 \eqcommand{      }\{dblbottomfraction}
458 \eqcommand{      }\{dblfigrule}
459 \eqcommand{      }\{dblfloatpagefraction}
460 \eqcommand{      }\{dblfloatsep}
461 \eqcommand{      }\{dblftntlocatecode}
462 \eqcommand{      }\{dbltextfloatsep}
463 \eqcommand{      }\{dbltopfraction}
464 \eqcommand{      }\{DeclareFixedFont}
465 \eqcommand{      }\{DeclareGraphicsExtensions}
466 \eqcommand{      }\{DeclareGraphicsRule}
467 \eqcommand{      }\{DeclareOldFontCommand}
468 \eqcommand{      }\{DeclareOption}
469 \eqcommand{      }\{DeclareRobustCommand}
470 \eqcommand{      }\{DeclareSymbolFont}
471 \eqcommand{      }\{deadcycles}
472 \eqcommand{      }\{def}
473 \eqcommand{      @  }\{define@key}
474 \eqcommand{      }\{definecolor}
475 \eqcommand{      }\{deg}

```

```

476 \eqcommand{      }{delcode}
477 \eqcommand{      }{delimiter}
478 \eqcommand{      }{delimiterfactor}
479 \eqcommand{      }{depth}
480 \eqcommand{      }{diamondsuit}
481 \eqcommand{      }{dim}
482 \eqcommand{      }{dimen}
483 \eqcommand{      @}{dimen@}
484 \eqcommand{      @ }{dimen@i}
485 \eqcommand{      @ }{dimen@ii}
486 \eqcommand{      }{dimendef}
487 \eqcommand{      }{discretionary}
488 \eqcommand{      }{displaybreak}
489 \eqcommand{      }{displayindent}
490 \eqcommand{      }{displaystyle}
491 \eqcommand{      }{displaywidth}
492 \eqcommand{      }{divide}
493 \eqcommand{      }{documentclass}
494 \eqcommand{      }{do}
495 \eqcommand{      }{dospecials}
496 \eqcommand{      }{dot}
497 \eqcommand{      }{doteq}
498 \eqcommand{      }{dotfill}
499 \eqcommand{      }{dots}
500 \eqcommand{      }{doublebox}
501 \eqcommand{      }{doublerulesepcolor}
502 \eqcommand{      }{doublerulesep}
503 \eqcommand{      }{downarrow}
504 \eqcommand{      }{dp}
505 \eqcommand{      }{dump}
506 \eqcommand{      }{edef}
507 \eqcommand{      }{egroup}
508 \eqcommand{      }{eject}
509 \eqcommand{      }{else}
510 \eqcommand{      }{em}
511 \eqcommand{      }{emergencystretch}
512 \eqcommand{      }{emph}
513 \eqcommand{@      }{@empty}
514 \eqcommand{      }{empty}
515 \eqcommand{      }{emptyset}
516 \eqcommand{      }{end}
517 \eqcommand{      }{endL}
518 \eqcommand{      }{endR}
519 \eqcommand{      }{endcsname}
520 \eqcommand{      }{endfirsthead}
521 \eqcommand{      }{endfoot}
522 \eqcommand{      }{endgraf}
523 \eqcommand{      }{endgroup}
524 \eqcommand{      }{endhead}
525 \eqcommand{      }{endinput}

```

```

526 \eqcommand{      }\{endlastfoot\}
527 \eqcommand{      }\{enlargethispage\}
528 \eqcommand{      }\{endline\}
529 \eqcommand{      }\{endlinechar\}
530 \eqcommand{      }\{enspace\}
531 \eqcommand{      }\{enskip\}
532 \eqcommand{      }\{eqcommand\}
533 \eqcommand{      }\{eqenvironment\}
534 \eqcommand{      }\{eqref\}
535 \eqcommand{      }\{errhelp\}
536 \eqcommand{      }\{errmessage\}
537 \eqcommand{      }\{errorcontextlines\}
538 \eqcommand{      }\{errorstopmode\}
539 \eqcommand{      }\{escapechar\}
540 \eqcommand{      }\{euro\}
541 \eqcommand{      }\{evensidemargin\}
542 \eqcommand{      }\{everycr\}
543 \eqcommand{      }\{everydisplay\}
544 \eqcommand{      }\{everyhbox\}
545 \eqcommand{      }\{everyjob\}
546 \eqcommand{      }\{everymath\}
547 \eqcommand{      }\{everypar\}
548 \eqcommand{      }\{everyvbox\}
549 \eqcommand{      }\{ExecuteOptions\}
550 \eqcommand{      }\{exhyphenpenalty\}
551 \eqcommand{      }\{expandafter\}
552 \eqcommand{      }\{extracolsep\}
553 \eqcommand{@      }\{@firstofone\}
554 \eqcommand{@      }\{@firstoftwo\}
555 \eqcommand{ @ } \{f@ur\}
556 \eqcommand{      }\{fam\}
557 \eqcommand{      }\{fancypage\}
558 \eqcommand{      }\{fbox\}
559 \eqcommand{      }\{fboxrule\}
560 \eqcommand{      }\{fboxsep\}
561 \eqcommand{      }\{fcolorbox\}
562 \eqcommand{      }\{fi\}
563 \eqcommand{      }\{figurename\}
564 \eqcommand{      }\{filbreak\}
565 \eqcommand{      }\{fill\}
566 \eqcommand{      }\{firstmark\}
567 \eqcommand{      }\{flat\}
568 \eqcommand{      }\{floatpagefraction\}
569 \eqcommand{      }\{floatingpenalty\}
570 \eqcommand{      }\{floatsep\}
571 \eqcommand{      }\{flushbottom\}
572 \eqcommand{      }\{fmtname\}
573 \eqcommand{      }\{fmtversion\}
574 \eqcommand{      }\{fnsymbol\}
575 \eqcommand{      }\{font\}

```

```

576 \eqcommand{ }{fontdimen}
577 \eqcommand{ }{fontencoding}
578 \eqcommand{ }{fontfamily}
579 \eqcommand{ }{fontname}
580 \eqcommand{ }{fontseries}
581 \eqcommand{ }{fontshape}
582 \eqcommand{ }{fontsize}
583 \eqcommand{ }{footheight}
584 \eqcommand{ }{footins}
585 \eqcommand{ }{footnote}
586 \eqcommand{ }{footnotemark}
587 \eqcommand{ }{footnoterule}
588 \eqcommand{ }{footnotesep}
589 \eqcommand{ }{footnotesize}
590 \eqcommand{ }{footnotetext}
591 \eqcommand{ }{footskip}
592 \eqcommand{ }{frame}
593 \eqcommand{ }{framebox}
594 \eqcommand{ }{frenchspacing}
595 \eqcommand{ }{frontmatter}
596 \eqcommand{ }{futurelet}
597 \eqcommand{@ }{@gobble}
598 \eqcommand{@ }{@gobbletwo}
599 \eqcommand{@ }{@gobblefour}
600 \eqcommand{@ }{@gtempa}
601 \eqcommand{@ }{@gtempb}
602 \eqcommand{ }{gdef}
603 \eqcommand{ }{GenericInfo}
604 \eqcommand{ }{GenericWarning}
605 \eqcommand{ }{GenericError}
606 \eqcommand{ }{global}
607 \eqcommand{ }{globaldefs}
608 \eqcommand{ }{glossary}
609 \eqcommand{ }{glossaryentry}
610 \eqcommand{ }{goodbreak}
611 \eqcommand{ }{graphpaper}
612 \eqcommand{ }{guillemotleft}
613 \eqcommand{ }{guillemotright}
614 \eqcommand{ }{guilsinglleft}
615 \eqcommand{ }{guilsinglright}
616 \eqcommand{ }{halign}
617 \eqcommand{ }{hang}
618 \eqcommand{ }{hangafter}
619 \eqcommand{ }{hangindent}
620 \eqcommand{ }{hbadness}
621 \eqcommand{ }{hbox}
622 \eqcommand{ }{headheight}
623 \eqcommand{ }{headsep}
624 \eqcommand{ }{headtoname}
625 \eqcommand{ }{heartsuit}

```

```

626 \eqcommand{ }{height}
627 \eqcommand{ }{hfil}
628 \eqcommand{ }{hfill}
629 \eqcommand{ }{hfilneg}
630 \eqcommand{ }{hfuzz}
631 \eqcommand{ }{hideskip}
632 \eqcommand{ }{hidewidth}
633 \eqcommand{ }{hline}
634 \eqcommand{ }{hoffset}
635 \eqcommand{ }{holdinginserts}
636 \eqcommand{ }{hrboxsep}
637 \eqcommand{ }{hrule}
638 \eqcommand{ }{hrulefill}
639 \eqcommand{ }{hsize}
640 \eqcommand{ }{hskip}
641 \eqcommand{ }{hspace}
642 \eqcommand{ }{hss}
643 \eqcommand{ }{ht}
644 \eqcommand{ }{huge}
645 \eqcommand{ }{Huge}
646 \eqcommand{ }{hyperlink}
647 \eqcommand{ }{hypersetup}
648 \eqcommand{ }{hypertarget}
649 \eqcommand{ }{hyphenation}
650 \eqcommand{ }{hyphenchar}
651 \eqcommand{ }{hyphenpenalty}
652 \eqcommand{@ }{@ifclassloaded}
653 \eqcommand{@ }{@ifdefinable}
654 \eqcommand{@ }{@ifnextchar}
655 \eqcommand{@ }{@ifpackageloaded}
656 \eqcommand{@ }{@ifstar}
657 \eqcommand{@ }{@ifundefined}
658 \eqcommand{ }{if}
659 \eqcommand{ @ }{if@tempswa}
660 \eqcommand{ }{ifcase}
661 \eqcommand{ }{ifcat}
662 \eqcommand{ }{ifdefined}
663 \eqcommand{ }{ifdim}
664 \eqcommand{ }{ifeof}
665 \eqcommand{ }{iff}
666 \eqcommand{ }{iffalse}
667 \eqcommand{ }{IfFileExists}
668 \eqcommand{ }{ifhbox}
669 \eqcommand{ }{ifhmode}
670 \eqcommand{ }{ifinner}
671 \eqcommand{ }{ifmmode}
672 \eqcommand{ }{ifnum}
673 \eqcommand{ }{ifodd}
674 \eqcommand{ }{ifthenelse}
675 \eqcommand{ }{iftrue}

```

```

676 \eqcommand{      }\{ifvbox}
677 \eqcommand{      }\{ifvmode}
678 \eqcommand{      }\{ifvoid}
679 \eqcommand{      }\{ifx}
680 \eqcommand{      }\{ignorespaces}
681 \eqcommand{      }\{immediate}
682 \eqcommand{      }\{include}
683 \eqcommand{      }\{includegraphics}
684 \eqcommand{      }\{includeonly}
685 \eqcommand{      }\{indent}
686 \eqcommand{      }\{index}
687 \eqcommand{      }\{indexentry}
688 \eqcommand{      }\{indexname}
689 \eqcommand{      }\{indexspace}
690 \eqcommand{      }\{input}
691 \eqcommand{      }\{InputIfFileExists}
692 \eqcommand{      }\{inputlineno}
693 \eqcommand{      }\{insert}
694 \eqcommand{      }\{insertpenalties}
695 \eqcommand{      }\{interfootnotelinepenalty}
696 \eqcommand{      }\{interdisplaylinepenalty}
697 \eqcommand{      }\{interlinepenalty}
698 \eqcommand{      }\{intertext}
699 \eqcommand{      }\{intertextsep}
700 \eqcommand{      }\{invisible}
701 \eqcommand{      }\{itdefault}
702 \eqcommand{      }\{itshape}
703 \eqcommand{      }\{item}
704 \eqcommand{      }\{itemindent}
705 \eqcommand{      }\{itemsep}
706 \eqcommand{      }\{iterate}
707 \eqcommand{      }\{itshape}
708 \eqcommand{      }\{jobname}
709 \eqcommand{      }\{jot}
710 \eqcommand{      }\{kern}
711 \eqcommand{      }\{kill}
712 \eqcommand{      }\{label}
713 \eqcommand{      }\{labelenumi}
714 \eqcommand{      }\{labelenumii}
715 \eqcommand{      }\{labelenumiii}
716 \eqcommand{      }\{labelenumiv}
717 \eqcommand{      }\{labelitemi}
718 \eqcommand{      }\{labelitemii}
719 \eqcommand{      }\{labelitemiii}
720 \eqcommand{      }\{labelitemiv}
721 \eqcommand{      }\{labelsep}
722 \eqcommand{      }\{labelwidth}
723 \eqcommand{      }\{language}
724 \eqcommand{      }\{large}
725 \eqcommand{      }\{Large}

```



```

726 \eqcommand{    }{LARGE}
727 \eqcommand{    }{lastbox}
728 \eqcommand{    }{lastkern}
729 \eqcommand{    }{lastpenalty}
730 \eqcommand{    }{lastskip}
731 \eqcommand{ }{LaTeX}
732 \eqcommand{ }{LaTeXe}
733 \eqcommand{ }{lccode}
734 \eqcommand{ }{ldots}
735 \eqcommand{ }{leaders}
736 \eqcommand{ }{leavevmode}
737 \eqcommand{ }{left}
738 \eqcommand{ }{leftmargin}
739 \eqcommand{ }{leftmargini}
740 \eqcommand{ }{leftmarginii}
741 \eqcommand{ }{leftmarginiii}
742 \eqcommand{ }{leftmarginiv}
743 \eqcommand{ }{leftmarginv}
744 \eqcommand{ }{leftmarginvi}
745 \eqcommand{ }{leftmark}
746 \eqcommand{ }{leftpageskip}
747 \eqcommand{ }{leftskip}
748 \eqcommand{ }{let}
749 \eqcommand{ }{line}
750 \eqcommand{ }{linebreak}
751 \eqcommand{ }{linepenalty}
752 \eqcommand{ }{lineskip}
753 \eqcommand{ }{lineskiplimit}
754 \eqcommand{ }{linespread}
755 \eqcommand{ }{linethickness}
756 \eqcommand{ }{linewidth}
757 \eqcommand{ }{listfigurename}
758 \eqcommand{ }{listfiles}
759 \eqcommand{ }{listoffigures}
760 \eqcommand{ }{listoftables}
761 \eqcommand{ }{listparindent}
762 \eqcommand{ }{listtablename}
763 \eqcommand{ }{LoadClass}
764 \eqcommand{ }{LoadClassWithOptions}
765 \eqcommand{ }{location}
766 \eqcommand{ }{long}
767 \eqcommand{ }{looseness}
768 \eqcommand{ }{lower}
769 \eqcommand{@ }{@makeother}
770 \eqcommand{@ }{@m}
771 \eqcommand{ @ }{@M}
772 \eqcommand{ @ }{@Mi}
773 \eqcommand{ @ }{@Mii}
774 \eqcommand{ @ }{@Miii}
775 \eqcommand{ @ }{@Miv}

```

```

776 \eqcommand{ @ }{@MM}
777 \eqcommand{ @ }{m@ne}
778 \eqcommand{   }{mag}
779 \eqcommand{   }{magstep}
780 \eqcommand{   }{magstephalf}
781 \eqcommand{   }{mainmatter}
782 \eqcommand{   }{makeatletter}
783 \eqcommand{   }{makeatother}
784 \eqcommand{   }{makebox}
785 \eqcommand{   }{makeglossary}
786 \eqcommand{   }{makeindex}
787 \eqcommand{   }{makelabel}
788 \eqcommand{   }{makelabels}
789 \eqcommand{   }{MakeLowercase}
790 \eqcommand{   }{maketitle}
791 \eqcommand{   }{MakeUppercase}
792 \eqcommand{   }{marginpar}
793 \eqcommand{   }{marginparpush}
794 \eqcommand{   }{marginparsep}
795 \eqcommand{   }{marginparwidth}
796 \eqcommand{   }{mark}
797 \eqcommand{   }{markboth}
798 \eqcommand{   }{markright}
799 \eqcommand{   }{mathaccent}
800 \eqcommand{   }{mathchar}
801 \eqcommand{   }{mathchardef}
802 \eqcommand{   }{mathcode}
803 \eqcommand{   }{mathrm}
804 \eqcommand{   }{maxdeadcycles}
805 \eqcommand{   }{maxdepth}
806 \eqcommand{   }{maxdimen}
807 \eqcommand{   }{mbox}
808 \eqcommand{   }{mdseries}
809 \eqcommand{   }{meaning}
810 \eqcommand{   }{mediumseries}
811 \eqcommand{   }{medmuskip}
812 \eqcommand{   }{medskip}
813 \eqcommand{   }{medskipamount}
814 \eqcommand{   }{medspace}
815 \eqcommand{   }{message}
816 \eqcommand{   }{MessageBreak}
817 \eqcommand{   }{minrowclearance}
818 \eqcommand{   }{mkern}
819 \eqcommand{   }{month}
820 \eqcommand{   }{moveleft}
821 \eqcommand{   }{moveright}
822 \eqcommand{   }{mskip}
823 \eqcommand{ @ }{m@th}
824 \eqcommand{   }{multicolumn}
825 \eqcommand{   }{multiply}

```

```

826 \eqcommand{      }\{multispan\}
827 \eqcommand{      }\{muskip\}
828 \eqcommand{      }\{muskipdef\}
829 \eqcommand{@      }\{@namedef\}
830 \eqcommand{@      }\{@nameuse\}
831 \eqcommand{@}\{@ne\}
832 \eqcommand{      }\{name\}
833 \eqcommand{      }\{natural\}
834 \eqcommand{      }\{nearrow\}
835 \eqcommand{      }\{nearrower\}
836 \eqcommand{      }\{NeedsTeXFormat\}
837 \eqcommand{      }\{neg\}
838 \eqcommand{      }\{negmedspace\}
839 \eqcommand{      }\{negthickspace\}
840 \eqcommand{      }\{negthinspace\}
841 \eqcommand{      }\{newboolean\}
842 \eqcommand{      }\{newbox\}
843 \eqcommand{      }\{newcommand\}
844 \eqcommand{      }\{newcount\}
845 \eqcommand{      }\{newcounter\}
846 \eqcommand{      }\{newdimen\}
847 \eqcommand{      }\{newenvironment\}
848 \eqcommand{      }\{newfam\}
849 \eqcommand{      }\{newfont\}
850 \eqcommand{      }\{newhelp\}
851 \eqcommand{      }\{newinsert\}
852 \eqcommand{      }\{newlabel\}
853 \eqcommand{      }\{newlength\}
854 \eqcommand{      }\{newline\}
855 \eqcommand{      }\{newlinechar\}
856 \eqcommand{      }\{newmuskip\}
857 \eqcommand{      }\{newpage\}
858 \eqcommand{      }\{newread\}
859 \eqcommand{      }\{newsavebox\}
860 \eqcommand{      }\{newskip\}
861 \eqcommand{      }\{newtheorem\}
862 \eqcommand{      }\{newtoks\}
863 \eqcommand{      }\{newwrite\}
864 \eqcommand{      }\{noalign\}
865 \eqcommand{      }\{nobreak\}
866 \eqcommand{      }\{nobreakspace\}
867 \eqcommand{      }\{nocite\}
868 \eqcommand{      }\{noexpand\}
869 \eqcommand{      }\{nofiles\}
870 \eqcommand{      }\{noindent\}
871 \eqcommand{      }\{nointerlineskip\}
872 \eqcommand{      }\{nolimits\}
873 \eqcommand{      }\{nolinebreak\}
874 \eqcommand{      }\{nonstopmode\}
875 \eqcommand{      }\{nonfrenchspacing\}

```

```

876 \eqcommand{      }\{nonumber\}
877 \eqcommand{      }\{nopagebreak\}
878 \eqcommand{      }\{normalbaselines\}
879 \eqcommand{      }\{normalbaselineskip\}
880 \eqcommand{      }\{normalcolor\}
881 \eqcommand{      }\{normalfont\}
882 \eqcommand{      }\{normallineskip\}
883 \eqcommand{      }\{normallineskiplimit\}
884 \eqcommand{      }\{normalmarginpar\}
885 \eqcommand{      }\{normalsize\}
886 \eqcommand{      }\{notag\}
887 \eqcommand{      }\{null\}
888 \eqcommand{      }\{nullfont\}
889 \eqcommand{      }\{number\}
890 \eqcommand{      }\{numberline\}
891 \eqcommand{      }\{numberwithin\}
892 \eqcommand{      }\{@evenfoot\}
893 \eqcommand{      }\{@evenhead\}
894 \eqcommand{      }\{@oddfoot\}
895 \eqcommand{      }\{@oddhead\}
896 \eqcommand{      }\{@outeqntrue\}
897 \eqcommand{      }\{@outeqnfalse\}
898 \eqcommand{      }\{obeylines\}
899 \eqcommand{      }\{obeyspaces\}
900 \eqcommand{      }\{oddsidemargin\}
901 \eqcommand{      }\{offinterlineskip\}
902 \eqcommand{      }\{omit\}
903 \eqcommand{@      }\{@onlypreamble\}
904 \eqcommand{      }\{onecolumn\}
905 \eqcommand{      }\{onlynotes\}
906 \eqcommand{      }\{onlyslides\}
907 \eqcommand{      }\{openin\}
908 \eqcommand{      }\{openout\}
909 \eqcommand{      }\{OptionNotUsed\}
910 \eqcommand{      }\{or\}
911 \eqcommand{      }\{outer\}
912 \eqcommand{      }\{output\}
913 \eqcommand{      }\{outputpenalty\}
914 \eqcommand{      }\{overfullrule\}
915 \eqcommand{@      }\{@preamblecmds\}
916 \eqcommand{@ }{p@}
917 \eqcommand{      }\{PackageError\}
918 \eqcommand{      }\{PackageInfo\}
919 \eqcommand{      }\{PackageWarning\}
920 \eqcommand{      }\{PackageWarningNoLine\}
921 \eqcommand{      }\{pagebreak\}
922 \eqcommand{      }\{pagecolor\}
923 \eqcommand{      }\{pagedepth\}
924 \eqcommand{      }\{pagefilllstretch\}
925 \eqcommand{      }\{pagefillstretch\}

```

```

926 \eqcommand{      }{pagefilstretch}
927 \eqcommand{      }{pagegoal}
928 \eqcommand{      }{pagename}
929 \eqcommand{      }{pagenumbering}
930 \eqcommand{      }{pageref}
931 \eqcommand{      }{pagerulewidth}
932 \eqcommand{      }{pageshrink}
933 \eqcommand{      }{pagestretch}
934 \eqcommand{      }{pagestyle}
935 \eqcommand{      }{pagetotal}
936 \eqcommand{      }{paperheight}
937 \eqcommand{      }{paperwidth}
938 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
939 \eqcommand{      }{paragraph}
940 \eqcommand{      }{parallel}
941 \eqcommand{      }{parbox}
942 \eqcommand{      }{parfillskip}
943 \eqcommand{      }{parindent}
944 \eqcommand{      }{parsep}
945 \eqcommand{      }{parshape}
946 \eqcommand{      }{parskip}
947 \eqcommand{ }{part}
948 \eqcommand{      }{partname}
949 \eqcommand{      }{partopsep}
950 \eqcommand{      }{PassOptionToClass}
951 \eqcommand{      }{PassOptionToPackage}
952 \eqcommand{ }{path}
953 \eqcommand{      }{patterns}
954 \eqcommand{ }{pausing}
955 \eqcommand{      }{penalty}
956 \eqcommand{ }{phantom}
957 \eqcommand{      }{poptabs}
958 \eqcommand{      }{postdisplaypenalty}
959 \eqcommand{      }{predisplaydirection}
960 \eqcommand{      }{predisplaypenalty}
961 \eqcommand{      }{predisplaysize}
962 \eqcommand{      }{pretolerance}
963 \eqcommand{      }{prevdepth}
964 \eqcommand{      }{prevgraf}
965 \eqcommand{      }{printindex}
966 \eqcommand{      }{ProcessOptions}
967 \eqcommand{ }{protect}
968 \eqcommand{      }{providecommand}
969 \eqcommand{      }{ProvidesClass}
970 \eqcommand{      }{ProvidesFile}
971 \eqcommand{      }{ProvidesPackage}
972 \eqcommand{      }{pushtabs}
973 \eqcommand{ }{quad}
974 \eqcommand{      }{qqquad}
975 \eqcommand{@      }{@outputpagerestore}

```

```

976 \eqcommand{      }{radical}
977 \eqcommand{      }{raggedbottom}
978 \eqcommand{      }{raggedleft}
979 \eqcommand{      }{raggedright}
980 \eqcommand{      }{raise}
981 \eqcommand{      }{raisebox}
982 \eqcommand{      }{raisetag}
983 \eqcommand{      }{rangle}
984 \eqcommand{      }{rceil}
985 \eqcommand{      }{read}
986 \eqcommand{      }{ref}
987 \eqcommand{      }{reflectbox}
988 \eqcommand{      }{refname}
989 \eqcommand{      }{refstepcounter}
990 \eqcommand{      }{relax}
991 \eqcommand{      }{removelastskip}
992 \eqcommand{      }{renewcommand}
993 \eqcommand{      }{renewenvironment}
994 \eqcommand{      }{RequirePackage}
995 \eqcommand{      }{RequirePackageWithOptions}
996 \eqcommand{      }{resizebox}
997 \eqcommand{      }{reversemarginpar}
998 \eqcommand{      }{rfloor}
999 \eqcommand{      }{right}
1000 \eqcommand{      }{rightmargin}
1001 \eqcommand{      }{rightmark}
1002 \eqcommand{      }{rightpageskip}
1003 \eqcommand{      }{rightskip}
1004 \eqcommand{      }{rmdefault}
1005 \eqcommand{      }{rmfamily}
1006 \eqcommand{      }{Roman}
1007 \eqcommand{      }{roman}
1008 \eqcommand{      }{romannumeral}
1009 \eqcommand{      }{rotatebox}
1010 \eqcommand{      }{rowcolor}
1011 \eqcommand{      }{rule}
1012 \eqcommand{@      }{@secondoftwo}
1013 \eqcommand{@      }{@spaces}
1014 \eqcommand{      }{samepage}
1015 \eqcommand{      }{savebox}
1016 \eqcommand{      }{sbox}
1017 \eqcommand{      }{scalebox}
1018 \eqcommand{      }{scdefault}
1019 \eqcommand{      }{scshape}
1020 \eqcommand{      }{setkeys}
1021 \eqcommand{      }{scriptfont}
1022 \eqcommand{      }{scriptscriptfont}
1023 \eqcommand{      }{scriptscriptstyle}
1024 \eqcommand{      }{scriptsize}
1025 \eqcommand{      }{scripstyle}

```

```

1026 \eqcommand{      }{scrollmode}
1027 \eqcommand{ }{section}
1028 \eqcommand{      }{secdef}
1029 \eqcommand{      }{see}
1030 \eqcommand{      }{seealso}
1031 \eqcommand{      }{seename}
1032 \eqcommand{      }{selectfont}
1033 \eqcommand{      }{setboolean}
1034 \eqcommand{      }{setbox}
1035 \eqcommand{      }{setcounter}
1036 \eqcommand{      }{setlength}
1037 \eqcommand{      }{setminus}
1038 \eqcommand{      }{SetSymbolFont}
1039 \eqcommand{      }{settodepth}
1040 \eqcommand{      }{settoheight}
1041 \eqcommand{      }{settowidth}
1042 \eqcommand{      }{sfcode}
1043 \eqcommand{      }{sfdefault}
1044 \eqcommand{      }{sffamily}
1045 \eqcommand{      }{shadowbox}
1046 \eqcommand{ }{sharp}
1047 \eqcommand{      }{shipout}
1048 \eqcommand{      }{shortstack}
1049 \eqcommand{      }{show}
1050 \eqcommand{      }{showbox}
1051 \eqcommand{      }{showboxbreadth}
1052 \eqcommand{      }{showboxdepth}
1053 \eqcommand{      }{showlists}
1054 \eqcommand{      }{showthe}
1055 \eqcommand{      }{simplefontmode}
1056 \eqcommand{ @}{sist@@n}
1057 \eqcommand{      }{skewchar}
1058 \eqcommand{      }{skip}
1059 \eqcommand{ @}{skip@}
1060 \eqcommand{      }{skipdef}
1061 \eqcommand{      }{sl}
1062 \eqcommand{      }{sldefault}
1063 \eqcommand{      }{slshape}
1064 \eqcommand{      }{sloppy}
1065 \eqcommand{      }{slshape}
1066 \eqcommand{      }{small}
1067 \eqcommand{      }{smallskip}
1068 \eqcommand{      }{smallskipamount}
1069 \eqcommand{      }{smash}
1070 \eqcommand{      }{smile}
1071 \eqcommand{      }{snglftlocatencode}
1072 \eqcommand{      }{space}
1073 \eqcommand{      }{spacefactor}
1074 \eqcommand{      }{spaceskip}
1075 \eqcommand{      }{spadesuit}

```

```

1076 \eqcommand{ }{span}
1077 \eqcommand{ }{special}
1078 \eqcommand{ }{splitmaxdepth}
1079 \eqcommand{ }{splittopskip}
1080 \eqcommand{ }{star}
1081 \eqcommand{ }{stepcounter}
1082 \eqcommand{ }{stretch}
1083 \eqcommand{ }{string}
1084 \eqcommand{ }{strut}
1085 \eqcommand{ }{strutbox}
1086 \eqcommand{ }{subitem}
1087 \eqcommand{ }{subparagraph}
1088 \eqcommand{ }{subsection}
1089 \eqcommand{ }{substack}
1090 \eqcommand{ }{subsubitem}
1091 \eqcommand{ }{subsubsection}
1092 \eqcommand{ }{subset}
1093 \eqcommand{ }{subseteq}
1094 \eqcommand{ }{supereject}
1095 \eqcommand{ }{suppressfloats}
1096 \eqcommand{@ }{@tempa}
1097 \eqcommand{@ }{@tempb}
1098 \eqcommand{@ }{@tempc}
1099 \eqcommand{@ }{@tempd}
1100 \eqcommand{@ }{@tempe}
1101 \eqcommand{@ }{@tempboxa}
1102 \eqcommand{@ }{@tempcnta}
1103 \eqcommand{@ }{@tempcntb}
1104 \eqcommand{@ }{@tempdima}
1105 \eqcommand{@ }{@tempdimb}
1106 \eqcommand{@ }{@tempdimc}
1107 \eqcommand{@ }{@tempskipa}
1108 \eqcommand{@ }{@tempskipb}
1109 \eqcommand{@ }{@tempswafalse}
1110 \eqcommand{@ }{@tempswatruel}
1111 \eqcommand{@ }{@temptokena}
1112 \eqcommand{ }{@thefnmark}
1113 \eqcommand{@ }{@thirdofthree}
1114 \eqcommand{ }{tabbingsep}
1115 \eqcommand{ }{tabcolsep}
1116 \eqcommand{ }{tableofcontents}
1117 \eqcommand{ }{tablename}
1118 \eqcommand{ }{tabskip}
1119 \eqcommand{ }{tabularnewline}
1120 \eqcommand{ }{tag}
1121 \eqcommand{ }{telephone}
1122 \eqcommand{ }{TeX}
1123 \eqcommand{ }{text}
1124 \eqcommand{ }{textbullet}
1125 \eqcommand{ }{textfont}

```



```

1126 \eqcommand{ }{\textemdash}
1127 \eqcommand{ }{\textendash}
1128 \eqcommand{ }{\textexclamdown}
1129 \eqcommand{ }{\textperiodcentered}
1130 \eqcommand{ }{\textquestiondown}
1131 \eqcommand{ }{\textquotedblleft}
1132 \eqcommand{ }{\textquotedblright}
1133 \eqcommand{ }{\textquoteleft}
1134 \eqcommand{ }{\textquoteright}
1135 \eqcommand{ }{\textvisiblespace}
1136 \eqcommand{ }{\textbackslash}
1137 \eqcommand{ }{\textbar}
1138 \eqcommand{ }{\textgreater}
1139 \eqcommand{ }{\textless}
1140 \eqcommand{ }{\textbf}
1141 \eqcommand{ }{\textcircled}
1142 \eqcommand{ }{\textcolor}
1143 \eqcommand{ }{\textcompwordmark}
1144 \eqcommand{ }{\textfloatsep}
1145 \eqcommand{ }{\textfraction}
1146 \eqcommand{ }{\textheight}
1147 \eqcommand{ }{\textindent}
1148 \eqcommand{ }{\textit}
1149 \eqcommand{ }{\textmd}
1150 \eqcommand{ }{\textnormal}
1151 \eqcommand{ }{\textregistered}
1152 \eqcommand{ }{\textrm}
1153 \eqcommand{ }{\textsc}
1154 \eqcommand{ }{\textsf}
1155 \eqcommand{ }{\textsl}
1156 \eqcommand{ }{\textstyle}
1157 \eqcommand{ }{\textsuperscript}
1158 \eqcommand{ }{\texttrademark}
1159 \eqcommand{ }{\texttt}
1160 \eqcommand{ }{\textup}
1161 \eqcommand{ }{\textwidth}
1162 \eqcommand{ }{\thanks}
1163 \eqcommand{ }{\the}
1164 \eqcommand{ }{\thempfn}
1165 \eqcommand{ }{\thicklines}
1166 \eqcommand{ }{\thickmuskip}
1167 \eqcommand{ }{\thinmuskip}
1168 \eqcommand{ }{\thickspace}
1169 \eqcommand{ }{\thinlines}
1170 \eqcommand{ }{\thinspace}
1171 \eqcommand{ }{\thisfancy page}
1172 \eqcommand{ }{\thispagestyle}
1173 \eqcommand{ @}{\thr@@}
1174 \eqcommand{ }{\tilde}
1175 \eqcommand{ }{\tiny}

```

```

1176 \eqcommand{ }{time}
1177 \eqcommand{ }{times}
1178 \eqcommand{ }{title}
1179 \eqcommand{ }{to}
1180 \eqcommand{ }{today}
1181 \eqcommand{ }{toks}
1182 \eqcommand{ }{toksdef}
1183 \eqcommand{ }{tolerance}
1184 \eqcommand{ }{top}
1185 \eqcommand{ }{topfigrule}
1186 \eqcommand{ }{topfraction}
1187 \eqcommand{ }{topmargin}
1188 \eqcommand{ }{topmark}
1189 \eqcommand{ }{toppageskip}
1190 \eqcommand{ }{topsep}
1191 \eqcommand{ }{topskip}
1192 \eqcommand{ }{totalheight}
1193 \eqcommand{ }{tracingall}
1194 \eqcommand{ }{tracingcommands}
1195 \eqcommand{ }{tracinglostchars}
1196 \eqcommand{ }{tracingmacros}
1197 \eqcommand{ }{tracingonline}
1198 \eqcommand{ }{tracingoutput}
1199 \eqcommand{ }{tracingpages}
1200 \eqcommand{ }{tracingparagraphs}
1201 \eqcommand{ }{tracingrestores}
1202 \eqcommand{ }{tracingstats}
1203 \eqcommand{ }{triangle}
1204 \eqcommand{ }{ttdefault}
1205 \eqcommand{ }{ttfamily}
1206 \eqcommand{ @}{tw@}
1207 \eqcommand{ }{twocolumn}
1208 \eqcommand{ }{typein}
1209 \eqcommand{ }{typeout}
1210 \eqcommand{ }{uccode}
1211 \eqcommand{ }{uchyph}
1212 \eqcommand{ }{underline}
1213 \eqcommand{ }{unhbox}
1214 \eqcommand{ }{unhcopy}
1215 \eqcommand{ }{unitlength}
1216 \eqcommand{ }{unkern}
1217 \eqcommand{ }{unpenalty}
1218 \eqcommand{ }{unskip}
1219 \eqcommand{ }{unvbox}
1220 \eqcommand{ }{unvcopy}
1221 \eqcommand{ }{updefault}
1222 \eqcommand{ }{upshape}
1223 \eqcommand{ }{usebox}
1224 \eqcommand{ }{usecounter}
1225 \eqcommand{ }{usefont}

```

```

1226 \eqcommand{      }{usepackage}
1227 \eqcommand{@      }{@vobeyspaces}
1228 \eqcommand{@      }{@void}
1229 \eqcommand{      }{vadjust}
1230 \eqcommand{      }{valign}
1231 \eqcommand{      }{value}
1232 \eqcommand{      }{vbadness}
1233 \eqcommand{      }{vbox}
1234 \eqcommand{      }{vcenter}
1235 \eqcommand{      }{verb}
1236 \eqcommand{      }{vfil}
1237 \eqcommand{      }{vfill}
1238 \eqcommand{      }{vfilneg}
1239 \eqcommand{      }{vfuzz}
1240 \eqcommand{      }{visible}
1241 \eqcommand{      }{vline}
1242 \eqcommand{      }{voffset}
1243 \eqcommand{      @ }{voidb@x}
1244 \eqcommand{      }{vpageref}
1245 \eqcommand{      }{vrboxsep}
1246 \eqcommand{      }{vref}
1247 \eqcommand{      }{vrule}
1248 \eqcommand{      }{vsize}
1249 \eqcommand{      }{vskip}
1250 \eqcommand{      }{vspace}
1251 \eqcommand{      }{vsplit}
1252 \eqcommand{      }{vss}
1253 \eqcommand{      }{vtop}
1254 \eqcommand{      }{wd}
1255 \eqcommand{      }{whiledo}
1256 \eqcommand{      }{widehat}
1257 \eqcommand{      }{widetilde}
1258 \eqcommand{      }{widowpenalty}
1259 \eqcommand{      }{width}
1260 \eqcommand{      }{wlog}
1261 \eqcommand{      }{write}
1262 \eqcommand{@      }{@xobeysp}
1263 \eqcommand{ @      }{@xxxii}
1264 \eqcommand{      }{xdef}
1265 \eqcommand{      }{xleaders}
1266 \eqcommand{      }{xspaceskip}
1267 \eqcommand{      }{year}
1268 \eqcommand{@      }{z@}
1269 \eqcommand{@      }{z@skip}

```

7.18 color-localise-xepersian.def

```

1270 color}          \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1271 rgb}{0}{      } \0,,0}
1272 rgb}{1}{      } \1,,1}

```

```

1273 rgb}{1}{ } \0,,0}
1274 rgb}{0}{ } \1,,0}
1275 rgb}{0}{ } \0,,1}
1276 cmyk}{1}{ } \0,,0,0}
1277 cmyk}{0}{ } \1,,0,0}
1278 cmyk}{0}{ } \0,,1,0}

```

7.19 xepersian-localise-commands-xepersian.def

```

1279 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation o
1280 \eqcommand{ }{autofootnoterule}
1281 \eqcommand{ }{AutoMathsDigits}
1282 \eqcommand{ }{DefaultMathsDigits}
1283 \eqcommand{ @ }{keyval@eq@alias@key}
1284 \eqcommand{ }{deflatinfont}
1285 \eqcommand{ }{defpersianfont}
1286 \eqcommand{ }{hboxL}
1287 \eqcommand{ }{hboxR}
1288 \eqcommand{ }{Latincite}
1289 \eqcommand{ }{latinfont}
1290 \eqcommand{ }{latintoday}
1291 \eqcommand{ }{leftfootnoterule}
1292 \eqcommand{ }{lr}
1293 \eqcommand{ }{LRE}
1294 \eqcommand{ }{LTRdblcol}
1295 \eqcommand{ }{LTRfootnote}
1296 \eqcommand{ }{LTRfootnotetext}
1297 \eqcommand{ }{LTRthanks}
1298 \eqcommand{ }{persianday}
1299 \eqcommand{ }{persianfont}
1300 \eqcommand{ }{PersianMathsDigits}
1301 \eqcommand{ }{persianmonth}
1302 \eqcommand{ }{persianyear}
1303 \eqcommand{ }{plq}
1304 \eqcommand{ }{prq}
1305 \eqcommand{ }{rightfootnoterule}
1306 \eqcommand{ }{rl}
1307 \eqcommand{ }{RLE}
1308 \eqcommand{ }{RTLdblcol}
1309 \eqcommand{ }{RTLfootnote}
1310 \eqcommand{ }{RTLfootnotetext}
1311 \eqcommand{ }{RTLthanks}
1312 \eqcommand{@ }{@SepMark}
1313 \eqcommand{ }{SepMark}
1314 \eqcommand{ }{setdefaultbibitems}
1315 \eqcommand{ }{setdefaultmarginpar}
1316 \eqcommand{ }{setdigitfont}
1317 \eqcommand{ }{setfootnoteLR}
1318 \eqcommand{ }{setfootnoteRL}
1319 \eqcommand{ }{setlatintextfont}

```



```

1365 \eqenvironment{ }{figure}
1366 \eqenvironment{ *}{figure*}
1367 \eqenvironment{ }{filecontents}
1368 \eqenvironment{ *}{filecontents*}
1369 \eqenvironment{ }{flushleft}
1370 \eqenvironment{ }{flushright}
1371 \eqenvironment{ }{itemize}
1372 \eqenvironment{ }{letter}
1373 \eqenvironment{ }{list}
1374 \eqenvironment{ }{longtable}
1375 \eqenvironment{ }{lrbox}
1376 \eqenvironment{ }{math}
1377 \eqenvironment{ }{matrix}
1378 \eqenvironment{ }{minipage}
1379 \eqenvironment{ }{multline}
1380 \eqenvironment{ }{note}
1381 \eqenvironment{ }{overlay}
1382 \eqenvironment{ }{picture}
1383 \eqenvironment{ }{quotation}
1384 \eqenvironment{ }{quote}
1385 \eqenvironment{ }{slide}
1386 \eqenvironment{ }{sloppypar}
1387 \eqenvironment{ }{split}
1388 \eqenvironment{ }{subarray}
1389 \eqenvironment{ }{tabbing}
1390 \eqenvironment{ }{table}
1391 \eqenvironment{ *}{table*}
1392 \eqenvironment{ }{tabular}
1393 \eqenvironment{ *}{tabular*}
1394 \eqenvironment{ }{thebibliography}
1395 \eqenvironment{ }{theindex}
1396 \eqenvironment{ }{titlepage}
1397 \eqenvironment{ }{trivlist}
1398 \eqenvironment{ }{verse}

```

7.22 xepersian-localise-environments-xepersian.def

```

1399 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisation]
1400 \eqenvironment{ }{latin}
1401 \eqenvironment{ }{LTR}
1402 \eqenvironment{ }{LTRitems}
1403 \eqenvironment{ }{modernpoem}
1404 \eqenvironment{ *}{modernpoem*}
1405 \eqenvironment{ }{persian}
1406 \eqenvironment{ }{RTL}
1407 \eqenvironment{ }{RTLitems}
1408 \eqenvironment{ }{traditionalpoem}
1409 \eqenvironment{ *}{traditionalpoem*}

```

7.23 extarticle-xepersian.def

```

1410 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1411 \renewcommand\thepart {\@tartibi\c@part}
1412 \renewcommand\appendix{\par
1413   \setcounter{section}{0}%
1414   \setcounter{subsection}{0}%
1415   \gdef\thesection{\@harfi\c@section}}

```

7.24 extbook-xepersian.def

```

1416 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1417 \renewcommand\frontmatter{%
1418   \cleardoublepage
1419   \@mainmatterfalse
1420   \pagenumbering{harfi}}
1421 \renewcommand \thepart {\@tartibi\c@part}
1422 \renewcommand\appendix{\par
1423   \setcounter{chapter}{0}%
1424   \setcounter{section}{0}%
1425   \gdef\@chapapp{\appendixname}%
1426   \gdef\thechapter{\@harfi\c@chapter}
1427 }%end appendix

```

7.25 extrafootnotefeatures-xepersian.def

```

1428 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafoot]
1429 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\latinfont\fi}
1430 \renewcommand{\LTRfoottextfont}{\footnotesize\latinfont}
1431 \renewcommand{\RTLfoottextfont}{\footnotesize\persianfont}

```

7.26 extreport-xepersian.def

```

1432 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1433 \renewcommand\thepart {\@tartibi\c@part}
1434 \renewcommand\appendix{\par
1435   \setcounter{chapter}{0}%
1436   \setcounter{section}{0}%
1437   \gdef\@chapapp{\appendixname}%
1438   \gdef\thechapter{\@harfi\c@chapter}}

```

7.27 flowfram-xepersian.def

```

1439 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1440 \def\@outputpage{%
1441   \begingroup
1442   \let\protect\noexpand
1443   \@resetactivechars
1444   \global\let\@if@newlist\if@newlist
1445   \global\@newlistfalse\@parboxrestore
1446   \shipout\vbox{\set@typeset@protect
1447     \aftergroup
1448     \endgroup
1449     \aftergroup
1450     \set@typeset@protect

```

```

1451 \reset@font\normalsize\normalsfcodes
1452 \let\label\@gobble
1453 \let\index\@gobble
1454 \let\glossary\@gobble
1455 \baselineskip\z@skip
1456 \lineskip\z@skip
1457 \lineskiplimit\z@
1458 \vskip\topmargin\moveright\@themargin
1459 \vbox{%
1460     \vskip\headheight
1461     \vskip\headsep
1462     \box\@outputbox
1463 }%
1464 \global\let\if@newlist\@if@newlist
1465 \stepcounter{page}%
1466 \setcounter{displayedframe}{0}%
1467 \let\firstmark\botmark}

```

7.28 footnote-xepersian.def

```

1468 \ProvidesFile{footnote-xepersian.def}[2013/04/26 v0.4 footnote macros for xepersian package]
1469
1470
1471
1472 \long\def\@footnotetext#1{\insert\footins{%
1473     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1474     \reset@font\footnotesize
1475     \interlinepenalty\interfootnotelinepenalty
1476     \splittopskip\footnotesep
1477     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1478     \hsize\columnwidth \@parboxrestore
1479     \protected@edef\@currentlabel{%
1480         \csname p@footnote\endcsname\@thefnmark
1481     }%
1482     \color@begingroup
1483         \@makefntext{%
1484             \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strutsize
1485         }%
1486     \color@endgroup}}%
1487
1488
1489
1490
1491 \long\def\@RTLfootnotetext#1{\insert\footins{%
1492     \@RTLtrue%
1493     \reset@font\footnotesize
1494     \interlinepenalty\interfootnotelinepenalty
1495     \splittopskip\footnotesep
1496     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1497     \hsize\columnwidth \@parboxrestore

```



```

1498 \protected@edef\@currentlabel{%
1499 \csname p@footnote\endcsname\@thefnmark
1500 }%
1501 \color@begingroup
1502 \makefnmark{%
1503 \rule{z@footnotesep\ignorespaces}{\persianfont #1\@finalstrut\strutbox}}%
1504 \color@endgroup}}%
1505
1506
1507
1508
1509
1510 \long\def\@LTRfootnotetext#1{\insert\footins{%
1511 \RTLfalse%
1512 \reset@font\footnotesize
1513 \interlinepenalty\interfootnotelinepenalty
1514 \splittopskip\footnotesep
1515 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
1516 \hsize\columnwidth \@parboxrestore
1517 \protected@edef\@currentlabel{%
1518 \csname p@footnote\endcsname\@thefnmark
1519 }%
1520 \color@begingroup
1521 \makefnmark{%
1522 \rule{z@footnotesep\ignorespaces}{\latinfont #1\@finalstrut\strutbox}}%
1523 \color@endgroup}}%
1524
1525 \footdir@temp\footdir@ORG@xepersian@footnotetext\@footnotetext{\bidi@footdir@footnote}%
1526 \footdir@temp\footdir@ORG@xepersian@RTLfootnotetext\@RTLfootnotetext{R}%
1527 \footdir@temp\footdir@ORG@xepersian@LTRfootnotetext\@LTRfootnotetext{L}%
1528
1529
1530
1531 \long\def\@mpfootnotetext#1{%
1532 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnoterule
1533 \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1534 \unvbox\@mpfootins
1535 \reset@font\footnotesize
1536 \hsize\columnwidth
1537 \@parboxrestore
1538 \protected@edef\@currentlabel
1539 {\csname p@mpfootnote\endcsname\@thefnmark}%
1540 \color@begingroup
1541 \makefnmark{%
1542 \rule{z@footnotesep\ignorespaces}{\ifRTL@footnote#1\else\latinfont#1\fi\@finalstrut\strutbox}}%
1543 \color@endgroup}}
1544
1545
1546
1547

```

```

1548
1549 \long\def\@mpRTLfootnotetext#1{%
1550 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
1551 \global\setbox\@mpfootins\vbox{\@RTLtrue%
1552 \unvbox\@mpfootins
1553 \reset@font\footnotesize
1554 \hsize\columnwidth
1555 \@parboxrestore
1556 \protected@edef\@currentlabel
1557 {\csname p@mpfootnote\endcsname\@thefnmark}%
1558 \color@begingroup
1559 \@makefntext{%
1560 \rule\z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1561 \color@endgroup}}
1562
1563
1564 \long\def\@mpLTRfootnotetext#1{%
1565 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
1566 \global\setbox\@mpfootins\vbox{\@RTLfalse%
1567 \unvbox\@mpfootins
1568 \reset@font\footnotesize
1569 \hsize\columnwidth
1570 \@parboxrestore
1571 \protected@edef\@currentlabel
1572 {\csname p@mpfootnote\endcsname\@thefnmark}%
1573 \color@begingroup
1574 \@makefntext{%
1575 \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1576 \color@endgroup}}

```

7.29 framed-xepersian.def

```

1577 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package for
1578 \renewenvironment{titled-frame}[1]{%
1579 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1580 \TitleBarFrame{\textbf{#1}}}%
1581 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1582 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1583 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1584 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (\if@RTL
1585 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1586 \TitleBarFrame{\textbf{#1}\ (\if@RTL else\ cont\fi)}}}%
1587 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1588 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1589 % could interfere with the width measurement.
1590 {\endMakeFramed}

```

7.30 glossaries-xepersian.def

```

1591 \ProvidesFile{glossaries-xepersian.def}[2013/04/27 v0.2 xepersian adaptations for glossaries pac
1592 \newcommand*{\gls@harfipage}{\@harfi\c@page}

```

```

1593 \newcommand*{\gls@tartibipage}{\@tartibi\c@page}
1594 \newcommand*{\gls@adadipage}{\@adadi\c@page}
1595 \renewcommand{\gls@protected@pagefmts}{%
1596   \gls@numberpage,\gls@alphpage,\gls@Alphpage,\gls@romanpage,\gls@Romanpage,\gls@harfipage,\gls
1597 }
1598 \renewcommand*{\@do@wrglossary}[1]{%
1599   \begingroup
1600     \let\orgthe\the
1601     \let\orgnumber\number
1602     \let\orgromannumeral\romannumeral
1603     \let\orgalph\@alph
1604     \let\orgAlph\@Alph
1605     \let\orgRoman\@Roman
1606     \let\orgharfi\@harfi
1607     \let\orgadadi\@adadi
1608     \let\orgtartibi\@tartibi
1609     \def\the##1{%
1610       \ifx##1\c@page \gls@numberpage\else\orgthe##1\fi}%
1611     \def\number##1{%
1612       \ifx##1\c@page \gls@numberpage\else\orgnumber##1\fi}%
1613     \def\romannumeral##1{%
1614       \ifx##1\c@page \gls@romanpage\else\orgromannumeral##1\fi}%
1615     \def\@Roman##1{%
1616       \ifx##1\c@page \gls@Romanpage\else\orgRoman##1\fi}%
1617     \def\@alph##1{%
1618       \ifx##1\c@page \gls@alphpage\else\orgalph##1\fi}%
1619     \def\@Alph##1{%
1620       \ifx##1\c@page \gls@Alphpage\else\orgAlph##1\fi}%
1621     \def\@harfi##1{%
1622       \ifx##1\c@page \gls@harfipage\else\orgharfi##1\fi}%
1623     \def\@adadi##1{%
1624       \ifx##1\c@page \gls@adadipage\else\orgadadi##1\fi}%
1625     \def\@tartibi##1{%
1626       \ifx##1\c@page \gls@tartibipage\else\orgtartibi##1\fi}%
1627     \gls@disablepagerefexpansion
1628     \protected@xdef\glslocref{\theglentrycounter}%
1629   \endgroup
1630   \@gls@checkmkidxchars\@glslocref
1631   \expandafter\ifx\theHglentrycounter\theglentrycounter
1632     \def\@glo@counterprefix{%
1633   \else
1634     \protected@edef\@glsHlocref{\theHglentrycounter}%
1635     \@gls@checkmkidxchars\@glsHlocref
1636     \edef\@do@gls@getcounterprefix{\noexpand\@gls@getcounterprefix
1637       {\@glslocref}{\@glsHlocref}%
1638     }%
1639     \@do@gls@getcounterprefix
1640   \fi
1641   \ifglxsindy
1642     \expandafter\@glo@check@mkidxrangechar\@glsnumberformat\@nil

```

```

1643 \def\@glo@range{}%
1644 \expandafter\if\@glo@prefix(\relax
1645 \def\@glo@range{:open-range}%
1646 \else
1647 \expandafter\if\@glo@prefix)\relax
1648 \def\@glo@range{:close-range}%
1649 \fi
1650 \fi
1651 \glossary[\csname glo@#1@type\endcsname]{%
1652 (indexentry :tkey (\csname glo@#1@index\endcsname)
1653 :locref \string{\@glo@counterprefix}{\@glslocref}\string" %
1654 :attr \string"\@gls@counter\@glo@suffix\string"
1655 \@glo@range
1656 )
1657 }%
1658 \else
1659 \@set@glo@numformat{\@glo@numfmt}{\@gls@counter}{\@glsnumberformat}%
1660 {\@glo@counterprefix}%
1661 \glossary[\csname glo@#1@type\endcsname]{%
1662 \string\glossaryentry{\csname glo@#1@index\endcsname
1663 \@gls@encapchar\@glo@numfmt}{\@glslocref}}%
1664 \fi
1665 }

```

7.31 hyperref-xepersian.def

```

1666 \ProvidesFile{hyperref-xepersian.def}[2013/04/09 v0.5 bilingual captions for hyperref package]
1667 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1668 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1669 \def\itemautorefname{\if@RTL else\ item\fi}%
1670 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1671 \def\tableautorefname{\if@RTL else\ Table\fi}%
1672 \def\partautorefname{\if@RTL else\ Part\fi}%
1673 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1674 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1675 \def\sectionautorefname{\if@RTL else\ section\fi}%
1676 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1677 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1678 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1679 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1680 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1681 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1682 \def\pageautorefname{\if@RTL else\ page\fi}%
1683 \AtBeginDocument{%
1684 \let\HyOrg@appendix\appendix
1685 \def\appendix{%
1686 \ltx@ifundefined{chapter}%
1687 {\gdef\theHsection{\Alph{section}}}%
1688 {\gdef\theHchapter{\Alph{chapter}}}%
1689 \xdef\Hy@chapapp{\Hy@appendixstring}%

```

```

1690 \HyOrg@appendix
1691 }
1692 }
1693 \pdfstringdefDisableCommands{%
1694 \let\lr\@firstofone
1695 \let\rl\@firstofone
1696 \def\XePersian{\XePersian}
1697 }

```

7.32 imspc-xepersian.def

```

1698 \ProvidesFile{imspc-xepersian.def}[2013/04/26 v0.3 implementation of imspc class for xepersi
1699 \newenvironment{thebibliography}[1]{%
1700 \@bibtitlestyle
1701 \normalfont\bibliofont\labelsep .5em\relax
1702 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
1703 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1704 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}}%
1705 \leftmargin\labelwidth \advance\leftmargin\labelsep
1706 \usecounter{enumiv}}%
1707 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
1708 \sfcode`\.=\@m
1709 }{%
1710 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
1711 \endlist
1712 }
1713 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
1714 \columnseprule\z@ \columnsep 35\p@
1715 \@indextitlestyle
1716 \thispagestyle{plain}%
1717 \let\item\@idxitem
1718 \parindent\z@ \parskip\z@\@plus.3\p@\relax
1719 \ifRTL\raggedleft\else\raggedright\fi
1720 \hyphenpenalty\@M
1721 \footnotesize}
1722 \def\@idxitem{\par\hangindent \ifRTL-\fi2em}
1723 \def\subitem{\par\hangindent \ifRTL-\fi2em\hspace*{1em}}
1724 \def\subsubitem{\par\hangindent \ifRTL-\fi3em\hspace*{2em}}
1725 \renewcommand \thepart {\@tartibi\c@part}
1726 \def\appendix{\par\c@section\z@ \c@subsection\z@
1727 \let\sectionname\appendixname
1728 \def\thesection{\@harfi\c@section}}
1729 \def\right@footnoterule{%
1730 \hbox to \columnwidth
1731 {\beginR \vbox{\kern-.4\p@
1732 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
1733 \def\left@footnoterule{\kern-.4\p@
1734 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
1735 \def\@makefnmark{%
1736 \leavevmode

```

```

1737 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
1738 }
1739
1740
1741
1742 \long\def\@footnotetext#1{%
1743 \insert\footins{%
1744 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1745 \normalfont\footnotesize
1746 \interlinepenalty\interfootnotelinepenalty
1747 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1748 \floatingpenalty\@MM \hsize\columnwidth
1749 \@parboxrestore \parindent\normalparindent \sloppy
1750 \protected@edef\@currentlabel{%
1751 \csname p@footnote\endcsname\@thefnmark}%
1752 \@makefntext{%
1753 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
1754
1755
1756
1757
1758
1759 \long\def\@RTLfootnotetext#1{%
1760 \insert\footins{%
1761 \@RTLtrue%
1762 \normalfont\footnotesize
1763 \interlinepenalty\interfootnotelinepenalty
1764 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1765 \floatingpenalty\@MM \hsize\columnwidth
1766 \@parboxrestore \parindent\normalparindent \sloppy
1767 \protected@edef\@currentlabel{%
1768 \csname p@footnote\endcsname\@thefnmark}%
1769 \@makefntext{%
1770 \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}
1771
1772
1773
1774
1775
1776
1777
1778 \long\def\@LTRfootnotetext#1{%
1779 \insert\footins{%
1780 \@RTLfalse%
1781 \normalfont\footnotesize
1782 \interlinepenalty\interfootnotelinepenalty
1783 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1784 \floatingpenalty\@MM \hsize\columnwidth
1785 \@parboxrestore \parindent\normalparindent \sloppy
1786 \protected@edef\@currentlabel{%

```

```

1787 \csname p@footnote\endcsname\@thefnmark}%
1788 \@makefnfntext{%
1789 \rule{z@footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}%
1790
1791 \footdir@temp\footdir@ORG@xepersian@imsproc@footnotetext\@footnotetext{\bidi@footdir@footnote}%
1792 \footdir@temp\footdir@ORG@xepersian@imsproc@RTLfootnotetext\@RTLfootnotetext{R}%
1793 \footdir@temp\footdir@ORG@xepersian@imsproc@LTRfootnotetext\@LTRfootnotetext{L}%
1794
1795 \def\part{\@startsection{part}{0}%
1796 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
1797 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
1798 \def\@tocline#1#2#3#4#5#6#7{\relax
1799 \ifnum #1>\c@tocdepth % then omit
1800 \else
1801 \par \addpenalty\@secpenalty\addvspace{#2}%
1802 \begingroup \hyphenpenalty\@M
1803 \@ifempty{#4}{%
1804 \@tempdima\csname r@tocindent\number#1\endcsname\relax
1805 }{%
1806 \@tempdima#4\relax
1807 }%
1808 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi
1809 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
1810 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
1811 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
1812 \nobreak
1813 \endgroup
1814 \fi}
1815 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
1816 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
1817 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
1818 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
1819 \def\maketitle{\par
1820 \@topnum\z@ % this prevents figures from falling at the top of page 1
1821 \@setcopyright
1822 \thispagestyle{firstpage}% this sets first page specifications
1823 \uppercase\nonmath\shorttitle
1824 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
1825 \else \andify\shortauthors
1826 \fi
1827 \@maketitle@hook
1828 \begingroup
1829 \@maketitle
1830 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
1831 \toks4{\def\\{\ignorespaces}}% defend against questionable usage
1832 \edef\@tempa{%
1833 \nx\markboth{\the\toks4
1834 \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
1835 \@tempa
1836 \endgroup

```

```

1837 \c@footnote\z@
1838 \@cleartopmattertags
1839 }

```

7.33 kashida-xepersian.def

```

1840 \ProvidesFile{kashida-xepersian.def}[2010/07/25 v0.2 implementation of Kashida for xepersian pac
1841 \chardef\xepersian@zwj="200D % zero-width joiner
1842 \chardef\xepersian@ksh="0640 % kashida
1843
1844 \chardef\xepersian@D=10 % dual-joiner class
1845 \chardef\xepersian@L=11 % lam
1846 \chardef\xepersian@R=12 % right-joiner
1847 \chardef\xepersian@A=13 % alef
1848 \chardef\xepersian@V=256 % vowel or other combining mark (to be ignored)
1849
1850 \def\xepersian@kashida{\xepersian@zwj\nobreak \setbox0=\hbox{\xepersian@ksh}%
1851 \leaders\hrule height\ht0 \hskipOpt plus 0.5em \xepersian@zwj}
1852
1853 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1854 \expandafter\dosetclass\charlist,\end}
1855 \def\dosetclass#1,#2\end{%
1856 \def\test{#1}\def\charlist{#2}%
1857 \ifx\test\empty\let\next\finishsetclass
1858 \else \XeTeXcharclass "\test = \theclass
1859 \let\next\dosetclass \fi
1860 \expandafter\next\charlist,,\end}
1861 \def\finishsetclass#1,,\end{}
1862
1863 \setclass \xepersian@A {0622,0623,0625,0627}
1864 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1865 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1866 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1867 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1868 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1869 \setclass \xepersian@L {0644}
1870 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1871
1872 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1873 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1874 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1875 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1876 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1877 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1878 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1879 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1880
1881 \newcommand{\KashidaOn}{\XeTeXinterchartokenstate=1}
1882 \newcommand{\KashidaOff}{\XeTeXinterchartokenstate=0}
1883 \KashidaOn

```


7.34 listings-xepersian.def

```
1884 \ProvidesFile{listings-xepersian.def}[2010/07/25 v0.2 bilingual captions for listings package]
1885 \def\lstlistingname{\if@RT else\    Listing\fi}
1886 \def\lstlistlistingname{\if@RTL    else\    Listings\fi}
```

7.35 loadingorder-xepersian.def

```
1887 \ProvidesFile{loadingorder-xepersian.def}[2012/01/01 v0.3 making sure that xepersian is the last
1888 \bidi@isloaded{algorithmic}
1889 \bidi@isloaded{algorithm}
1890 \bidi@isloaded{backref}
1891 \bidi@isloaded{enumerate}
1892 \bidi@isloaded{tocloft}
1893 \bidi@isloaded{url}
1894 \AtBeginDocument{
1895   \if@bidi@algorithmicloaded@else
1896     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1897     \fi%
1898   \if@bidi@algorithmloaded@else
1899     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1900     \fi%
1901   \if@bidi@backrefloaded@else
1902     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1903     \fi%
1904   \if@bidi@enumerateloaded@else
1905     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1906     \fi%
1907   \if@bidi@tocloftloaded@else
1908     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1909     \fi%
1910   \if@bidi@urlloaded@else
1911     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1912     \fi%
1913 }
```

7.36 localise-xepersian.def

```
1914 \ProvidesFile{localise-xepersian.def}[2010/07/25 v0.2a Persian localisation of LaTeX2e]
1915 \newcommand{\makezwnjletter}{\catcode~=11\relax}
1916 \makezwnjletter
1917 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1918 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1919 \@ifpackageloaded{keyval}{%
1920 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1921   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1922   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1923 }{\@ifpackageloaded{xkeyval}{%
1924 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1925   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1926   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1927 }{}}
```

```

1928 \input{latex-localise-commands-xepersian.def}
1929 \input{xepersian-localise-commands-xepersian.def}
1930 \input{latex-localise-environments-xepersian.def}
1931 \input{xepersian-localise-environments-xepersian.def}
1932 \input{latex-localise-messages-xepersian.def}
1933 \input{latex-localise-misc-xepersian.def}
1934 \input{packages-localise-xepersian.def}
1935 \aliasfontfeature{ExternalLocation}{ }
1936 \aliasfontfeature{ExternalLocation}{ }
1937 \aliasfontfeature{Renderer}{ }
1938 \aliasfontfeature{BoldFont}{ }
1939 \aliasfontfeature{Language}{ }
1940 \aliasfontfeature{Script}{ }
1941 \aliasfontfeature{UprightFont}{ }
1942 \aliasfontfeature{ItalicFont}{ }
1943 \aliasfontfeature{BoldItalicFont}{ }
1944 \aliasfontfeature{SlantedFont}{ }
1945 \aliasfontfeature{BoldSlantedFont}{ }
1946 \aliasfontfeature{SmallCapsFont}{ }
1947 \aliasfontfeature{UprightFeatures}{ }
1948 \aliasfontfeature{BoldFeatures}{ }
1949 \aliasfontfeature{ItalicFeatures}{ }
1950 \aliasfontfeature{BoldItalicFeatures}{ }
1951 \aliasfontfeature{SlantedFeatures}{ }
1952 \aliasfontfeature{BoldSlantedFeatures}{ }
1953 \aliasfontfeature{SmallCapsFeatures}{ }
1954 \aliasfontfeature{SizeFeatures}{ }
1955 \aliasfontfeature{Scale}{ }
1956 \aliasfontfeature{WordSpace}{ }
1957 \aliasfontfeature{PunctuationSpace}{ }
1958 \aliasfontfeature{FontAdjustment}{ }
1959 \aliasfontfeature{LetterSpace}{ }
1960 \aliasfontfeature{HyphenChar}{ }
1961 \aliasfontfeature{Color}{ }
1962 \aliasfontfeature{Opacity}{ }
1963 \aliasfontfeature{Mapping}{ }
1964 \aliasfontfeature{Weight}{ }
1965 \aliasfontfeature{Width}{ }
1966 \aliasfontfeature{OpticalSize}{ }
1967 \aliasfontfeature{FakeSlant}{ }
1968 \aliasfontfeature{FakeStretch}{ }
1969 \aliasfontfeature{FakeBold}{ }
1970 \aliasfontfeature{AutoFakeSlant}{ }
1971 \aliasfontfeature{AutoFakeBold}{ }
1972 \aliasfontfeature{Ligatures}{ }
1973 \aliasfontfeature{Alternate}{ }
1974 \aliasfontfeature{Variant}{ }
1975 \aliasfontfeature{Variant}{ }
1976 \aliasfontfeature{CharacterVariant}{ }
1977 \aliasfontfeature{ScriptStyle}{ }

```

```

1978 \aliasfontfeature{ScriptScriptStyle}{      }
1979 \aliasfontfeature{Style}{      }
1980 \aliasfontfeature{Annotation}{      }
1981 \aliasfontfeature{RawFeature}{      }
1982 \aliasfontfeature{CharacterWidth}{      }
1983 \aliasfontfeature{Numbers}{      }
1984 \aliasfontfeature{Contextuals}{      }
1985 \aliasfontfeature{Diacritics}{      }
1986 \aliasfontfeature{Letters}{      }
1987 \aliasfontfeature{Kerning}{      }
1988 \aliasfontfeature{VerticalPosition}{      }
1989 \aliasfontfeature{Fractions}{      }
1990 \aliasfontfeatureoption{Language}{Default}{      }
1991 \aliasfontfeatureoption{Language}{Parsi}{      }
1992 \aliasfontfeatureoption{Script}{Parsi}{      }
1993 \aliasfontfeatureoption{Script}{Latin}{      }

```

7.37 memoir-xepersian.def

```

1994 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1995 \renewcommand{\@memfront}{%
1996   \@smemfront\pagenumbering{harfi}}
1997 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1998 \renewcommand*{\thebook}{\@tartibi\c@book}
1999 \renewcommand*{\thepart}{\@tartibi\c@part}
2000 \renewcommand{\appendix}{\par
2001   \setcounter{chapter}{0}%
2002   \setcounter{section}{0}%
2003   \gdef\@chapapp{\appendixname}%
2004   \gdef\thechapter{\@harfi\c@chapter}%
2005   \anappendixtrue}

```

7.38 latex-localise-messages-xepersian.def

```

2006 latex\      \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

7.39 minitoc-xepersian.def

```

2007 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
2008 \def\ptctitle{\if@RTL      else\      Table of Contents\fi}%
2009 \def\plftitle{\if@RTL      else\      List of Figures\fi}%
2010 \def\plttitle{\if@RTL      else\      List of Tables\fi}%
2011 \def\mtctitle{\if@RTL else\      Contents\fi}%
2012 \def\mlftitle{\if@RTL else\      Figures\fi}%
2013 \def\mlttitle{\if@RTL else\      Tables\fi}%
2014 \def\stctitle{\if@RTL else\      Contents\fi}%
2015 \def\slftitle{\if@RTL else\      Figures\fi}%
2016 \def\slttitle{\if@RTL else\      Tables\fi}%

```

7.40 latex-localise-misc-xepersian.def

```

2017 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisation]
2018 %}1#   \ \

```

```

2019 \@ \ @ \ \
2020 \1# \
2021 \1# @\
2022 \1# @\
2023 {@ \ \
2024 %}2#1# @\ \
2025 %1# \ @\ \ \ \
2026 \2# \ @\ \
2027 {{2#1# \}}
2028 undefined\ \ \
2029
2030 %{ \ \ \ \1#} \ \} \1# \ \
2031 \ { \ \ \
2032 \ \ \
2033
2034
2035 \ \ \ \%} \#1
2036 \1#} \ \ \% \
2037 \ \ \
2038 }%
2039 \
2040 \ \ \
2041 }
2042 \= \ \
2043
2044
2045 \@ifdefinitionfileloaded{xetex-bidi}{%
2046 \def\@xfloat #1[#2]{%
2047 \@nodocument
2048 \def \@capytype {#1}%
2049 \def \@fps {#2}%
2050 \@onelevel@sanitize \@fps
2051 \def \reserved@b {!}%
2052 \ifx \reserved@b \@fps
2053 \@fpsadddefault
2054 \else
2055 \ifx \@fps \@empty
2056 \@fpsadddefault
2057 \fi
2058 \fi
2059 \ifhmode
2060 \@bsphack
2061 \@floatpenalty -\@Mii
2062 \else
2063 \@floatpenalty-\@Miii
2064 \fi
2065 \ifinner
2066 \@parmoderr\@floatpenalty\z@
2067 \else
2068 \@next\@currbox\@freelist

```

```

2069      {%
2070      \@tempcnta \sixt@@n
2071      \expandafter \@tfor \expandafter \reserved@a
2072      \expandafter : \expandafter = \@fps
2073      \do
2074      {%
2075      \if \reserved@a h%
2076      \ifodd \@tempcnta
2077      \else
2078      \advance \@tempcnta \@ne
2079      \fi
2080      \fi
2081      \if \reserved@a %
2082      \ifodd \@tempcnta
2083      \else
2084      \advance \@tempcnta \@ne
2085      \fi
2086      \fi
2087      \if \reserved@a t%
2088      \@setfpsbit \tw@
2089      \fi
2090      \if \reserved@a %
2091      \@setfpsbit \tw@
2092      \fi
2093      \if \reserved@a b%
2094      \@setfpsbit 4%
2095      \fi
2096      \if \reserved@a %
2097      \@setfpsbit 4%
2098      \fi
2099      \if \reserved@a p%
2100      \@setfpsbit 8%
2101      \fi
2102      \if \reserved@a %
2103      \@setfpsbit 8%
2104      \fi
2105      \if \reserved@a !%
2106      \ifnum \@tempcnta>15
2107      \advance\@tempcnta -\sixt@@n\relax
2108      \fi
2109      \fi
2110      }%
2111      \@tempcntb \csname ftype@\@capytype \endcsname
2112      \multiply \@tempcntb \@xxxii
2113      \advance \@tempcnta \@tempcntb
2114      \global \count\@currbox \@tempcnta
2115      }%
2116      \@fltovf
2117      \fi
2118      \global \setbox\@currbox

```

```

2119 \color@vbox
2120 \normalcolor
2121 \vbox \bgroup
2122 \hsize\columnwidth
2123 \@parboxrestore
2124 \@floatboxreset
2125 }
2126 \let\bm@ \bm@c
2127 \let\bm@ \bm@l
2128 \let\bm@ \bm@r
2129 \let\bm@ \bm@b
2130 \let\bm@ \bm@t
2131 \let\bm@ \bm@s
2132 \long\def\@iiiparbox#1#2[#3]#4#5{%
2133 \leavevmode
2134 \@pboxswfalse
2135 \ifRTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2136 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\fi
2137 \setlength\@tempdima{#4}%
2138 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
2139 \ifx\relax#2\else
2140 \setlength\@tempdimb{#2}%
2141 \edef\@parboxto{to\the\@tempdimb}%
2142 \fi
2143 \if#1b\vbox
2144 \else\if#1\vbox
2145 \else\if #1t\top
2146 \else\if vtop\ #1
2147 \else\ifmmode\vcenter
2148 \else\@pboxswtrue $\vcenter
2149 \fi\fi\fi\fi\fi
2150 \@parboxto{\let\hss\vss\let\unhbox\unvbox
2151 \csname bm@#3\endcsname}%
2152 \if@pboxsw \m@th$\fi
2153 \@end@tempboxa}
2154 \def\@iiiminipage#1#2[#3]#4{%
2155 \leavevmode
2156 \@pboxswfalse
2157 \ifRTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2158 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\fi
2159 \setlength\@tempdima{#4}%
2160 \def\@mpargs{{#1}{#2}[#3]{#4}}%
2161 \setbox\@tempboxa\vbox\bgroup
2162 \color@begingroup
2163 \hsize\@tempdima
2164 \textwidth\hsize \columnwidth\hsize
2165 \@parboxrestore
2166 \def\@mpfn{\mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
2167 \let\@footnotetext\@mpfootnotetext
2168 \let\@LTrfootnotetext\@mpLTrfootnotetext

```

```

2169 \let\@RTLfootnotetext\@mpRTLfootnotetext
2170 \let\@listdepth\@mplistdepth \@mplistdepth\z@
2171 \@minipagerestore
2172 \setminipage}
2173 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
2174 \ifnum \@lastchclass=3 5 \else
2175 \z@ \if #1c\@chnum \z@ \else
2176 \if chnum@\ #1 \z@ \else
2177 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2178 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2179 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2180 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2181 \@chclass \if #1|\@ne \else
2182 \if #1@\tw@ \else
2183 \if #1p3 \else
2184 \if 3 #1 \else \z@ \@preamerr 0\fi
2185 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2186 \fi}%
2187 }{}
2188 \@ifdefinitionfileloaded{array-xetex-bidi}{%
2189 \def\@testpach{\@chclass
2190 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2191 \ifnum \@lastchclass=7 5 \else
2192 \ifnum \@lastchclass=8 \tw@ \else
2193 \ifnum \@lastchclass=9 \thr@@
2194 \else \z@
2195 \ifnum \@lastchclass = 10 \else
2196 \edef\@nextchar{\expandafter\string\@nextchar}%
2197 \@chnum
2198 \if \@nextchar c\z@ \else
2199 \if \@nextchar @\ \else
2200 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2201 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2202 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2203 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2204 \z@ \@chclass
2205 \if\@nextchar |\@ne \else
2206 \if \@nextchar !6 \else
2207 \if \@nextchar @7 \else
2208 \if \@nextchar <8 \else
2209 \if \@nextchar >9 \else
2210 10
2211 \@chnum
2212 \if \@nextchar m\thr@@\else
2213 \if \@nextchar thr@@\else\
2214 \if \@nextchar p4 \else
2215 \if \@nextchar 4 \else
2216 \if \@nextchar b5 \else
2217 \if \@nextchar 5 \else
2218 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi

```

```

2219 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
2220 }{}
2221 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
2222 \ifadl@usingarypkg
2223 \def\@testpach{\@chclass
2224 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2225 \ifnum \@lastchclass=7 5 \else
2226 \ifnum \@lastchclass=8 \tw@ \else
2227 \ifnum \@lastchclass=9 \thr@@
2228 \else \z@
2229 \ifnum \@lastchclass = 10 \else
2230 \edef\@nextchar{\expandafter\string\@nextchar}%
2231 \@chnum
2232 \if \@nextchar c\z@ \else
2233 \if \@nextchar @z\ \else
2234 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2235 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2236 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2237 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2238 \z@ \@chclass
2239 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
2240 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
2241 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
2242 \if \@nextchar !6 \else
2243 \if \@nextchar @7 \else
2244 \if \@nextchar <8 \else
2245 \if \@nextchar >9 \else
2246 10
2247 \@chnum
2248 \if \@nextchar m\thr@@\else
2249 \if \@nextchar thr@@\else\
2250 \if \@nextchar p4 \else
2251 \if \@nextchar 4 \else
2252 \if \@nextchar b5 \else
2253 \if \@nextchar 5 \else
2254 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2255 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2256
2257 \def\@classz{\@classx
2258 \@tempcnta \count@
2259 \prepnext@tok
2260 \@addtopreamble{\ifcase \@chnum
2261 \hfil
2262 \adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
2263 \hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
2264 \hfil\hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\or
2265 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2266 \adl@endmbox\or
2267 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2268 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox

```



```

2269 \fi}\prepnext@tok}
2270 \def\adl@class@start{4}
2271 \def\adl@class@iiiorvii{7}
2272
2273 \else
2274 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2275     \ifnum \@lastchclass=\thr@@ 5\relax \else
2276     \z@ \if #1c\@chnum \z@ \else
2277     \if @chnum\z@\ #1 \else
2278     \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2279     \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2280     \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2281     \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2282     \@chclass
2283     \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2284     \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2285     \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2286     \if #1@\tw@ \else
2287     \if #1p\thr@@ \else
2288     \if @thr\ #1 \else\z@ \@preamerr 0\fi
2289     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2290
2291 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2292     \or \or \@addamp \or
2293     \@acolampacol \or \@firstampfalse \@acol \fi
2294     \edef\@preamble{\@preamble
2295     \ifcase \@chnum
2296     \hfil\adl@putlrc{\$ \relax\@sharp$}\hfil
2297     \or \adl@putlrc{\$ \relax\@sharp$}\hfil
2298     \or \hfil\adl@putlrc{\$ \relax\@sharp$}\fi}}
2299 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2300     \or \or \@addamp \or
2301     \@acolampacol \or \@firstampfalse \@acol \fi
2302     \edef\@preamble{\@preamble
2303     \ifcase \@chnum
2304     \hfil\adl@putlrc{\@sharp\unskip}\hfil
2305     \or \adl@putlrc{\@sharp\unskip}\hfil
2306     \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2307 \def\adl@class@start{6}
2308 \def\adl@class@iiiorvii{3}
2309 \fi
2310 }{}
2311 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2312 \def\@testpach{\@chclass
2313     \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2314     \ifnum \@lastchclass=7 5 \else
2315     \ifnum \@lastchclass=8 \tw@ \else
2316     \ifnum \@lastchclass=9 \thr@@
2317     \else \z@
2318     \ifnum \@lastchclass = 10 \else

```

[illegible]

```

2369 \expandafter\ifx\csname fst@#1\endcsname\relax
2370 \@flstylefalse\else\@flstyletrue\fi
2371 \setbox\@currbox\color\@vbox\normalcolor
2372 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2373 \@floatboxreset \@setnobreak
2374 \ignorespaces}
2375 }{}
2376 \begingroup \catcode `|=0 \catcode `[= 1
2377 \catcode`=2 \catcode `{=12 \catcode `}=12
2378 \catcode`\=12 \gdef\@sx@xepersian@localize@verbatim#1\ ] |1#{ } ]]
2379 \gdef\@sx@xepersian@localize@verbatim#1\ ] |1#{* } *]]
2380 \endgroup
2381 \def\ { \@verbatim \frenchspacing\@vobeyspaces \@sx@xepersian@localize@verbatim}
2382 \def\end { \if@newlist \leavevmode\fi\endtrivlist}
2383 \ExplSyntaxOn
2384 \AtBeginDocument{\@namedef{ *}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian@
2385 \ExplSyntaxOff
2386 \expandafter\let\csname end * \endcsname =\end

```

7.41 natbib-xepersian.def

```

2387 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2388 \renewcommand\NAT@set@cites{%
2389 \ifNAT@numbers
2390 \ifNAT@super \let\@cite\NAT@citesuper
2391 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2392 \let\citeyearpar=\citeyear
2393 \let\NAT@space\relax
2394 \def\NAT@super@kern{\kern\p}%
2395 \else
2396 \let\NAT@mbox=\mbox
2397 \let\@cite\NAT@citenum
2398 \let\NAT@space\NAT@spacechar
2399 \let\NAT@super@kern\relax
2400 \fi
2401 \let\@citex\NAT@citexnum
2402 \let\@Latincitex\NAT@Latin@citexnum
2403 \let\@biblabel\NAT@biblabelnum
2404 \let\@bibsetup\NAT@bibsetnum
2405 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2406 \def\natexlab##1{}%
2407 \def\NAT@penalty{\penalty\@m}%
2408 \else
2409 \let\@cite\NAT@cite
2410 \let\@citex\NAT@citex
2411 \let\@Latincitex\NAT@Latin@citex
2412 \let\@biblabel\NAT@biblabel
2413 \let\@bibsetup\NAT@bibsetup
2414 \let\NAT@space\NAT@spacechar
2415 \let\NAT@penalty\@empty

```

```

2416 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2417 \def\natexlab##1{##1}%
2418 \fi}
2419 \newcommand\NAT@Latin@citex{}
2420 \def\NAT@Latin@citex%
2421 [#1][#2]#3{%
2422 \NAT@reset@parser
2423 \NAT@sort@cites{#3}%
2424 \NAT@reset@citea
2425 \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2426 \@for\@citeb:=\NAT@cite@list\do
2427 {\@safe@activestrue
2428 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2429 \@safe@activesfalse
2430 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2431 {\reset@font\bfseries ?}\NAT@citeundefined
2432 \PackageWarning{natbib}%
2433 {Citation '\@citeb' on page \thepage \space undefined}}\def\NAT@date{}}%
2434 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2435 \NAT@parse{\@citeb}%
2436 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2437 \let\NAT@name=\NAT@all@names
2438 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2439 \fi
2440 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2441 \let\NAT@nm\NAT@name\fi
2442 \ifNAT@swa\ifcase\NAT@ctype
2443 \if\relax\NAT@date\relax
2444 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2445 \else
2446 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2447 \ifx\NAT@last@yr\NAT@year
2448 \def\NAT@temp{?}%
2449 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2450 {Multiple citation on page \thepage: same authors and
2451 year\MessageBreak without distinguishing extra
2452 letter,\MessageBreak appears as question mark}\fi
2453 \NAT@hyper@{\NAT@exlab}%
2454 \else\unskip\NAT@spacechar
2455 \NAT@hyper@{\NAT@date}%
2456 \fi
2457 \else
2458 \@citea\NAT@hyper@{%
2459 \NAT@nmfmt{\NAT@nm}%
2460 \hyper@natlinkbreak{%
2461 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2462 }%
2463 \NAT@date
2464 }%
2465 \fi

```

```

2466 \fi
2467 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2468 \or\@citea\NAT@hyper@{\NAT@date}%
2469 \or\@citea\NAT@hyper@{\NAT@alias}%
2470 \fi \NAT@def@citea
2471 \else
2472 \ifcase\NAT@ctype
2473 \if\relax\NAT@date\relax
2474 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2475 \else
2476 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2477 \ifx\NAT@last@yr\NAT@year
2478 \def\NAT@temp{?}%
2479 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2480 {Multiple citation on page \thepage: same authors and
2481 year\MessageBreak without distinguishing extra
2482 letter,\MessageBreak appears as question mark}\fi
2483 \NAT@hyper@{\NAT@exlab}%
2484 \else
2485 \unskip\NAT@spacechar
2486 \NAT@hyper@{\NAT@date}%
2487 \fi
2488 \else
2489 \@citea\NAT@hyper@{%
2490 \NAT@nmfmt{\NAT@nm}%
2491 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open@if*#1*\else#1\NAT@spacechar\fi}%
2492 {\@citeb\@extra@b@citeb}%
2493 \NAT@date
2494 }%
2495 \fi
2496 \fi
2497 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2498 \or\@citea\NAT@hyper@{\NAT@date}%
2499 \or\@citea\NAT@hyper@{\NAT@alias}%
2500 \fi
2501 \if\relax\NAT@date\relax
2502 \NAT@def@citea
2503 \else
2504 \NAT@def@citea@close
2505 \fi
2506 \fi
2507 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2508 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2509 \newcommand\NAT@Latin@citexnum{}
2510 \def\NAT@Latin@citexnum[#1][#2]#3{%
2511 \NAT@reset@parser
2512 \NAT@sort@cites{#3}%
2513 \NAT@reset@citea
2514 \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm@empty
2515 \@for\@citeb:=\NAT@cite@list\do

```

```

2516 {\@safe@activestrue
2517 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2518 \@safe@activesfalse
2519 \ifundefined{b@\@citeb\@extra@b@citeb}{%
2520 {\reset@font\bfseries?}
2521 \NAT@citeundefined\PackageWarning{natbib}%
2522 {Citation '\@citeb' on page \thepage \space undefined}}%
2523 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2524 \NAT@parse{\@citeb}%
2525 \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2526 \let\NAT@name=\NAT@all@names
2527 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2528 \fi
2529 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2530 \let\NAT@nm\NAT@name\fi
2531 \ifNAT@swa
2532 \@ifnum{\NAT@ctype>\@ne}{%
2533 \citea
2534 \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2535 }{%
2536 \@ifnum{\NAT@cmprs>\z@}{%
2537 \NAT@ifcat@num\NAT@num
2538 {\let\NAT@nm=\NAT@num}%
2539 {\def\NAT@nm{-2}}%
2540 \NAT@ifcat@num\NAT@last@num
2541 {\@tempcnta=\NAT@last@num\relax}%
2542 {\@tempcnta\m@ne}%
2543 \@ifnum{\NAT@nm=\@tempcnta}{%
2544 \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbox}%
2545 }{%
2546 \advance\@tempcnta by\@ne
2547 \@ifnum{\NAT@nm=\@tempcnta}{%
2548 \ifx\NAT@last@yr\relax
2549 \def\NAT@last@yr{\@citea}%
2550 \else
2551 \def\NAT@last@yr{--\NAT@penalty}%
2552 \fi
2553 }{%
2554 \NAT@last@yr@mbox
2555 }%
2556 }%
2557 }{%
2558 \@tempswatrue
2559 \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{}%
2560 \if@tempswa\NAT@citea@mbox\fi
2561 }%
2562 }%
2563 \NAT@def@citea
2564 \else
2565 \ifcase\NAT@ctype

```

```

2566         \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2567         \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super{kern\NAT@open}}%
2568         \fi
2569         \if*#1*\else#1\NAT@spacechar\fi
2570         \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2571         \NAT@def@citea@box
2572     \or
2573         \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2574     \or
2575         \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2576     \or
2577         \NAT@hyper@citea@space\NAT@alias
2578     \fi
2579 \fi
2580 }%
2581 }%
2582 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2583 \ifNAT@swa\else
2584     \@ifnum{\NAT@ctype=\z@}{%
2585         \if*#2*\else\NAT@cmt#2\fi
2586     }{%
2587         \NAT@mbox{\NAT@close}%
2588     \fi
2589 }}{#1}{#2}%
2590 }%
2591 \AtBeginDocument{\NAT@set@cites}
2592 \DeclareRobustCommand\Latincite
2593     {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2594     \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2595 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2596     \ifNAT@numbers\else
2597     \NAT@swafalse
2598     \fi
2599     \NAT@@Latin@@citetp[]}}
2600 \newcommand\NAT@@Latin@@citetp{}
2601 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

7.42 packages-localise-xepersian.def

```

2602 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2603 color} \}{color} @\-localise-xepersian.def}}{}
2604 \@ifpackageloaded{multicol}{%
2605 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2606 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2607 }{}
2608 \@ifpackageloaded{verbatim}{%
2609 \begingroup
2610 \vrb@catcodes
2611 \lccode`!=`\\ \lccode`\[=`\{ \lccode`\]=`\}
2612 \catcode`\~=\active \lccode`\~=`\^M

```

```

2613 \lccode`\C=~\C
2614 \lowercase{\endgroup
2615   \def\xepersian@localize@verbatim@start#1{%
2616     \verbatim@startline
2617     \if\noexpand#1\noexpand~%
2618       \let\next\xepersian@localize@verbatim@
2619     \else \def\next{\xepersian@localize@verbatim@#1}\fi
2620     \next}%
2621 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2622 \def\xepersian@localize@verbatim@@#1! {%
2623   \verbatim@addtoline{#1}%
2624   \futurelet\next\xepersian@localize@verbatim@@@}%
2625 \def\xepersian@localize@verbatim@@@#1\@nil{%
2626   \ifx\next\@nil
2627     \verbatim@processline
2628     \verbatim@startline
2629     \let\next\xepersian@localize@verbatim@
2630   \else
2631     \def\@tempa##1! \@nil{##1}%
2632     \@temptokena{! }%
2633     \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2634     \fi \next}%
2635 \def\xepersian@localize@verbatim@test#1{%
2636   \let\next\xepersian@localize@verbatim@test
2637   \if\noexpand#1\noexpand~%
2638     \expandafter\verbatim@addtoline
2639     \expandafter{\the\@temptokena}%
2640     \verbatim@processline
2641     \verbatim@startline
2642     \let\next\xepersian@localize@verbatim@
2643   \else \if\noexpand#1
2644     \@temptokena\expandafter{\the\@temptokena#1}%
2645   \else \if\noexpand#1\noexpand[%
2646     \let\@tempc\@empty
2647     \let\next\xepersian@localize@verbatim@testend
2648   \else
2649     \expandafter\verbatim@addtoline
2650     \expandafter{\the\@temptokena}%
2651     \def\next{\xepersian@localize@verbatim@#1}%
2652     \fi\fi\fi
2653   \next}%
2654 \def\xepersian@localize@verbatim@testend#1{%
2655   \if\noexpand#1\noexpand~%
2656     \expandafter\verbatim@addtoline
2657     \expandafter{\the\@temptokena}%
2658     \expandafter\verbatim@addtoline
2659     \expandafter{\@tempc}%
2660     \verbatim@processline
2661     \verbatim@startline
2662     \let\next\xepersian@localize@verbatim@

```



```

2663         \else\if\noexpand#1\noexpand]%
2664             \let\next\xepersian@localize@verbatim@@testend
2665         \else\if\noexpand#1\noexpand!%
2666             \expandafter\verbatim@addtoline
2667             \expandafter{\the\@temptokena[]}%
2668             \expandafter\verbatim@addtoline
2669             \expandafter{\@tempc}%
2670             \def\next{\xepersian@localize@verbatim@!}%
2671         \else \expandafter\def\expandafter\@tempc\expandafter
2672             {\@tempc#1}\fi\fi\fi
2673         \next}%
2674     \def\xepersian@localize@verbatim@@testend{%
2675         \ifx\@tempc\@currentvir
2676             \verbatim@finish
2677             \edef\next{\noexpand\end{\@currentvir}}%
2678             \noexpand\xepersian@localize@verbatim@rescan{\@currentvir}}%
2679         \else
2680             \expandafter\verbatim@addtoline
2681             \expandafter{\the\@temptokena[]}%
2682             \expandafter\verbatim@addtoline
2683             \expandafter{\@tempc}}%
2684         \let\next\xepersian@localize@verbatim@
2685         \fi
2686         \next}%
2687     \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2688         \warning{Characters dropped after ``\string\end{#1}''}\fi}}%
2689 \def\
2690     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2691     \xepersian@localize@verbatim@start}
2692 \def\
2693     {\endgroup\@verbatim\xepersian@localize@verbatim@start}
2694 \def\end
2695     {\endtrivlist\endgroup\@doendpe}
2696 \expandafter\let\csname end
2697     *\endcsname =\end
2698 }{}
2699 \ExplSyntaxOn
2700 \AtBeginDocument{
2701     \xepersian_localize_patch_verbatim:
2702 }
2703 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2704     \ifpackageloaded{verbatim}{
2705         \cs_set:cpn {*
2706             } }
2707         \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@start
2708     }
2709     }{
2710     }
2711 }
2712 \ExplSyntaxOff
2713 \ifpackageloaded{graphicx}{%
2714 \def\Gin@boolkey#1#2{%
2715 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2716 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2true\endcsname}%
2717 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%

```

```

2713 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2714 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2715 \define@key{Grot}{origin}[c]{%
2716 \@tfor\@tempa:=#1\do{%
2717 \if l\@tempa \Grot@x\z@else
2718 \if tempa@ \Grot@x\z@else
2719 \if r\@tempa \Grot@x\width\else
2720 \if tempa@ \Grot@x\width\else
2721 \if t\@tempa \Grot@y\height\else
2722 \if tempa@ \Grot@y\height\else
2723 \if b\@tempa \Grot@y-\depth\else
2724 \if tempa@ \Grot@y-\depth\else
2725 \if B\@tempa \Grot@y\z@else
2726 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2727 {draft}{ }{Gin} @ \
2728 {origin}{ }{Gin} @ \
2729 {origin}{ }{Grot} @ \
2730 {clip}{ }{Gin} @ \
2731 {keepaspectratio}{ }{Gin} @ \
2732 {natwidth}{ }{Gin} @ \
2733 {natheight}{ }{Gin} @ \
2734 {bb}{ }{Gin} @ \
2735 {viewport}{ }{Gin} @ \
2736 {trim}{ }{Gin} @ \
2737 {angle}{ }{Gin} @ \
2738 {width}{ }{Gin} @ \
2739 {height}{ }{Gin} @ \
2740 {totalheight}{ }{Gin} @ \
2741 {scale}{ }{Gin} @ \
2742 {type}{ }{Gin} @ \
2743 {ext}{ }{Gin} @ \
2744 {read}{ }{Gin} @ \
2745 {command}{ }{Gin} @ \
2746 {x}{ }{Grot} @ \
2747 {y}{ }{Grot} @ \
2748 {units}{ }{Grot} @ \
2749 {}{}

```

7.43 parsidigits.map

```

2750 LHSName "Digits"
2751 RHSName "ParsiDigits"
2752
2753 pass(Unicode)
2754 U+0030 <> U+06F0 ;
2755 U+0031 <> U+06F1 ;
2756 U+0032 <> U+06F2 ;
2757 U+0033 <> U+06F3 ;
2758 U+0034 <> U+06F4 ;
2759 U+0035 <> U+06F5 ;

```

```

2760 U+0036 <> U+06F6 ;
2761 U+0037 <> U+06F7 ;
2762 U+0038 <> U+06F8 ;
2763 U+0039 <> U+06F9 ;
2764
2765
2766 U+002C <> U+060C ; comma > arabic comma
2767 U+003F <> U+061F ; question mark -> arabic qm
2768 U+003B <> U+061B ; semicolon -> arabic semicolon
2769
2770 ; ligatures from Knuth's original CMR fonts
2771 U+002D U+002D <> U+2013 ; -- -> en dash
2772 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2773
2774 U+0027 <> U+2019 ; ' -> right single quote
2775 U+0027 U+0027 <> U+201D ; '' -> right double quote
2776 U+0022 > U+201D ; " -> right double quote
2777
2778 U+0060 <> U+2018 ; ` -> left single quote
2779 U+0060 U+0060 <> U+201C ; `` -> left double quote
2780
2781 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2782 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2783
2784 ; additions supported in T1 encoding
2785 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2786 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2787 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

7.44 rapport1-xepersian.def

```

2788 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2789 \renewcommand*\thepart{\@tartibi\c@part}
2790 \renewcommand*\appendix{\par
2791   \setcounter{chapter}{0}%
2792   \setcounter{section}{0}%
2793   \gdef\@chapapp{\appendixname}%
2794   \gdef\thechapter{\@harfi\c@chapter}}

```

7.45 rapport3-xepersian.def

```

2795 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2796 \renewcommand*\thepart{\@tartibi\c@part}
2797 \renewcommand*\appendix{\par
2798   \setcounter{chapter}{0}%
2799   \setcounter{section}{0}%
2800   \gdef\@chapapp{\appendixname}%
2801   \gdef\thechapter{\@harfi\c@chapter}}

```

7.46 refrep-xepersian.def

```

2802 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]

```

```

2803 \renewcommand \thepart {\@tartibi\c@part}
2804 \renewcommand\appendix{\par
2805   \setcounter{chapter}{0}%
2806   \setcounter{section}{0}%
2807   \gdef\@chapapp{\appendixname}%
2808   \gdef\thechapter{\@harfi\c@chapter}
2809 }%end appendix

```

7.47 report-xepersian.def

```

2810 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2811 \renewcommand \thepart {\@tartibi\c@part}
2812 \renewcommand\appendix{\par
2813   \setcounter{chapter}{0}%
2814   \setcounter{section}{0}%
2815   \gdef\@chapapp{\appendixname}%
2816   \gdef\thechapter{\@harfi\c@chapter}
2817 }%end appendix

```

7.48 scrartcl-xepersian.def

```

2818 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2819 \renewcommand*{\thepart}{\@tartibi\c@part}
2820 \renewcommand*\appendix{\par%
2821   \setcounter{section}{0}%
2822   \setcounter{subsection}{0}%
2823   \gdef\thesection{\@harfi\c@section}%
2824   \csname appendixmore\endcsname
2825 }
2826 \renewcommand*{\@maybeautodot}[1]{%
2827   \ifx #1\@stop\let\@maybeautodot\relax
2828   \else
2829     \ifx #1\harfi \@autodottrue\fi
2830     \ifx #1\adadi \@autodottrue\fi
2831     \ifx #1\tartibi \@autodottrue\fi
2832     \ifx #1\Alph \@autodottrue\fi
2833     \ifx #1\alph \@autodottrue\fi
2834     \ifx #1\Roman \@autodottrue\fi
2835     \ifx #1\roman \@autodottrue\fi
2836     \ifx #1\@harfi \@autodottrue\fi
2837     \ifx #1\@adadi \@autodottrue\fi
2838     \ifx #1\@tartibi \@autodottrue\fi
2839     \ifx #1\@Alph \@autodottrue\fi
2840     \ifx #1\@alph \@autodottrue\fi
2841     \ifx #1\@Roman \@autodottrue\fi
2842     \ifx #1\@roman \@autodottrue\fi
2843     \ifx #1\romannumeral \@autodottrue\fi
2844   \fi
2845   \@maybeautodot
2846 }

```

7.49 scrbook-xepersian.def

```
2847 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2848 \renewcommand*\frontmatter{%
2849   \if@twoside\cleardoubleoddpag\else\clearpage\fi
2850   \@mainmatterfalse\pagenumbering{harfi}%
2851 }
2852 \renewcommand*\thepart{\@tartibi\c@part}
2853 \renewcommand*\appendix{\par%
2854   \setcounter{chapter}{0}%
2855   \setcounter{section}{0}%
2856   \gdef\@chapapp{\appendixname}%
2857   \gdef\thechapter{\@harfi\c@chapter}%
2858   \csname appendixmore\endcsname
2859 }
2860 \renewcommand*\@maybeautodot[1]{%
2861   \ifx #1\@stop\let\@maybeautodot\relax
2862   \else
2863     \ifx #1\harfi \@autodottrue\fi
2864     \ifx #1\adadi \@autodottrue\fi
2865     \ifx #1\tartibi \@autodottrue\fi
2866     \ifx #1\Alph \@autodottrue\fi
2867     \ifx #1\alph \@autodottrue\fi
2868     \ifx #1\Roman \@autodottrue\fi
2869     \ifx #1\roman \@autodottrue\fi
2870     \ifx #1\@harfi \@autodottrue\fi
2871     \ifx #1\@adadi \@autodottrue\fi
2872     \ifx #1\@tartibi \@autodottrue\fi
2873     \ifx #1\@Alph \@autodottrue\fi
2874     \ifx #1\@alph \@autodottrue\fi
2875     \ifx #1\@Roman \@autodottrue\fi
2876     \ifx #1\@roman \@autodottrue\fi
2877     \ifx #1\romannumeral \@autodottrue\fi
2878   \fi
2879   \@maybeautodot
2880 }
```

7.50 scrreprt-xepersian.def

```
2881 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2882 \renewcommand*\thepart{\@tartibi\c@part}
2883 \renewcommand*\appendix{\par%
2884   \setcounter{chapter}{0}%
2885   \setcounter{section}{0}%
2886   \gdef\@chapapp{\appendixname}%
2887   \gdef\thechapter{\@harfi\c@chapter}%
2888   \csname appendixmore\endcsname
2889 }
2890 \renewcommand*\@maybeautodot[1]{%
2891   \ifx #1\@stop\let\@maybeautodot\relax
2892   \else
```

```

2893 \ifx #1\harfi \@autodottrue\fi
2894 \ifx #1\adadi \@autodottrue\fi
2895 \ifx #1\tartibi \@autodottrue\fi
2896 \ifx #1\Alph \@autodottrue\fi
2897 \ifx #1\alph \@autodottrue\fi
2898 \ifx #1\Roman \@autodottrue\fi
2899 \ifx #1\roman \@autodottrue\fi
2900 \ifx #1\@harfi \@autodottrue\fi
2901 \ifx #1\@adadi \@autodottrue\fi
2902 \ifx #1\@tartibi \@autodottrue\fi
2903 \ifx #1\@Alph \@autodottrue\fi
2904 \ifx #1\@alph \@autodottrue\fi
2905 \ifx #1\@Roman \@autodottrue\fi
2906 \ifx #1\@roman \@autodottrue\fi
2907 \ifx #1\romannumeral \@autodottrue\fi
2908 \fi
2909 \@maybeautodot
2910 }

```

7.51 tkz-linknodes-xepersian.def

```

2911 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes package]
2912 \renewcommand*{\@SetTab}{%
2913 \let\@alph\@latalph%
2914 \ifnum \value{C@NumTab}>25\relax%
2915 \setcounter{C@NumTab}{1}%
2916 \else%
2917 \stepcounter{C@NumTab}%
2918 \fi%
2919 \setcounter{C@NumGroup}{0}%
2920 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2921 \setboolean{B@FirstLink}{true}
2922 \setboolean{B@NewGroup}{false}
2923 \setcounter{C@NumGroup}{0}
2924 \setcounter{C@CurrentGroup}{0}
2925 \setcounter{NumC@Node}{0}
2926 \setcounter{NumC@Stop}{0}
2927 \setcounter{C@NextNode}{0}
2928 \setcounter{C@CurrentStop}{0}
2929 \setcounter{C@CurrentNode}{0}
2930 }%

```

7.52 tocloft-xepersian.def

```

2931 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2932 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2933 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2934 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2935 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2936 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2937 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}

```

```

2938 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2939 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2940 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2941 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

7.53 xepersian.sty

```

2942 \NeedsTeXFormat{LaTeX2e}
2943 \def\xepersianversion{v13.1}
2944 \def\xepersiandate{2013/09/23}
2945 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2946 Persian typesetting in XeLaTeX]
2947 \RequirePackage{fontspec}
2948 \RequirePackage{xepersian-persiancal}
2949 \RequirePackage{xepersian-mathsdigitspec}
2950 \RequirePackage[RTLdocument]{bidi}
2951 \edef\xepersian@info{*****}
2952 * ^^J%
2953 * xepersian package (Persian for LaTeX over XeTeX)^^J%
2954 * ^^J%
2955 * Description: The package supports Persian^^J%
2956 * typesetting, using fonts provided in the distribution.^^J%
2957 * ^^J%
2958 * Copyright © 2008-2013 Vafa Khalighi^^J%
2959 * ^^J%
2960 * \xepersianversion, \xepersiandate^^J%
2961 * ^^J%
2962 * License: LaTeX Project Public License, version 1.3c^^J%
2963 * or higher (your choice)^^J%
2964 * ^^J%
2965 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2966 * ^^J%
2967 * Issue tracker: https://github.com/vafa/xepersian/issues^^J%
2968 * ^^J%
2969 * Support: persian-tex@tug.org^^J%
2970 *****}
2971 \typeout{\xepersian@info}
2972 \edef\xepersian@everyjob{\the\everyjob}
2973 \everyjob{\xepersian@everyjob\typeout{\xepersian@info}}
2974 \def\prq{«}
2975 \def\plq{»}
2976 \def\xepersian@cmds@temp#1{%
2977   \begingroup\expandafter\expandafter\expandafter\endgroup
2978   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2979     \begingroup
2980       \escapechar=-1 %
2981       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2982       \def\y{#1}%
2983       \def\z##1->{%}
2984       \edef\y{\expandafter\z\meaning\y}%

```

```

2985 \expandafter\endgroup
2986 \ifx\x\y
2987 \expandafter\def\csname xepersian@#1\expandafter\endcsname
2988 \expandafter{%
2989 \csname#1\endcsname
2990 }%
2991 \fi
2992 \fi
2993 }%
2994 \xepersian@cmds@temp{shellescape}
2995 \newif\ifwritexviii
2996 \ifnum\xepersian@shellescape=1\relax
2997 \writexviiitrue
2998 \else
2999 \writexviiifalse
3000 \fi
3001 \newfontscript{Parsi}{arab}
3002 \newfontlanguage{Parsi}{FAR}
3003 \ExplSyntaxOn
3004 \DeclareDocumentCommand \settextfont { 0{ } m } {
3005 \fontspec_select:nn{Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2}
3006 \use:x {
3007 \exp_not:N \DeclareRobustCommand \exp_not:N \persianfont {
3008 \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3009 \exp_not:N \fontfamily {\l_fontspec_family_tl} \exp_not:N \selectfont
3010 }
3011 }
3012 \cs_set_eq:NN \rmdefault \l_fontspec_family_tl
3013 \normalfont
3014 }
3015 \settextfont[ExternalLocation,BoldFont={persian-modern-bold},BoldItalicFont={persian-modern-bo
3016 \setdigitfont[ExternalLocation,BoldFont={persian-modern-bold},BoldItalicFont={persian-modern-b
3017 \DeclareDocumentCommand \setlatintextfont { 0{ } m } {
3018 \fontspec_select:nn{Mapping=tex-text,#1}{#2}
3019 \use:x {
3020 \exp_not:N \DeclareRobustCommand \exp_not:N \latinfont {
3021 \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3022 \exp_not:N \fontfamily {\l_fontspec_family_tl} \exp_not:N \selectfont
3023 }
3024 }
3025 }
3026 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3027 \cs_set_eq:NN \setlatinsansfont \setsansfont
3028 \cs_set_eq:NN \setlatinmonofont \setmonofont
3029 \DeclareDocumentCommand \defpersianfont { m 0{ } m } {
3030 \fontspec_select:nn{Script=Parsi,Language=Parsi,Mapping=parsidigits,#2}{#3}
3031 \use:x {
3032 \exp_not:N \DeclareRobustCommand \exp_not:N #1 {
3033 \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3034 \exp_not:N \fontfamily {\l_fontspec_family_tl} \exp_not:N \selectfont

```



```

3035     }
3036   }
3037 }
3038 \DeclareDocumentCommand \deflatinfont { m O{} m } {
3039   \fontspec_select:nn{Mapping=tex-text,#2}{#3}
3040   \use:x {
3041     \exp_not:N \DeclareRobustCommand \exp_not:N #1 {
3042       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3043       \exp_not:N \fontfamily {\l_fontspec_family_tl} \exp_not:N \selectfont
3044     }
3045   }
3046 }
3047 \newcommand\persiansfdefault{}
3048 \newcommand\persianttdefault{}
3049 \newcommand\iranicsfdefault{}
3050 \newcommand\navarsfdefault{}
3051 \newcommand\pooksfdefault{}
3052 \newcommand\sayehsfdefault{}
3053 \DeclareRobustCommand\persiansffamily
3054   {\not@math@alphabet\persiansffamily\mathpersiansf
3055     \fontfamily\persiansfdefault\selectfont}
3056 \DeclareRobustCommand\persianttfamily
3057   {\not@math@alphabet\persianttfamily\mathpersiantt
3058     \fontfamily\persianttdefault\selectfont}
3059 \DeclareRobustCommand\iranicsfamily
3060   {\not@math@alphabet\iranicsfamily\mathiranics
3061     \fontfamily\iranicsdefault\selectfont}
3062 \DeclareRobustCommand\navarsfamily
3063   {\not@math@alphabet\navarsfamily\mathnavar
3064     \fontfamily\navarsdefault\selectfont}
3065 \DeclareRobustCommand\pooksfamily
3066   {\not@math@alphabet\pooksfamily\mathpook
3067     \fontfamily\pooksdefault\selectfont}
3068 \DeclareRobustCommand\sayehsfamily
3069   {\not@math@alphabet\sayehsfamily\mathsayeh
3070     \fontfamily\sayehsfdefault\selectfont}
3071 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3072 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3073 \DeclareTextFontCommand{\textiranics}{\iranicsfamily}
3074 \DeclareTextFontCommand{\textnavar}{\navarsfamily}
3075 \DeclareTextFontCommand{\textpook}{\pooksfamily}
3076 \DeclareTextFontCommand{\textsayeh}{\sayehsfamily}
3077 \DeclareDocumentCommand \setpersiansansfont { O{} m } {
3078   \fontspec_set_family:Nnn \persiansfdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3079     \normalfont
3080 }
3081 \DeclareDocumentCommand \setpersianmonofont { O{} m } {
3082   \fontspec_set_family:Nnn \persianttdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3083     \normalfont
3084 }

```

```

3085 \DeclareDocumentCommand \setnavarfont { 0{ } m } {
3086   \fontspec_set_family:Nnn \navardefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3087   \normalfont
3088 }
3089 \DeclareDocumentCommand \setpookfont { 0{ } m } {
3090   \fontspec_set_family:Nnn \pookdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2
3091   \normalfont
3092 }
3093 \setpookfont[ExternalLocation,ItalicFont={persian-modern-italicoutline},SlantedFont={persian-m
3094 \DeclareDocumentCommand \setsayehfont { 0{ } m } {
3095   \fontspec_set_family:Nnn \sayehdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3096   \normalfont
3097 }
3098 \setsayehfont[ExternalLocation,ItalicFont={persian-modern-italicshadow},SlantedFont={persian-m
3099 \DeclareDocumentCommand \setiraniconfont { 0{ } m } {
3100   \fontspec_set_family:Nnn \iranicondefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3101   \normalfont
3102 }
3103 \ExplSyntaxOff
3104 \setiraniconfont[ExternalLocation,BoldFont={persian-modern-boldoblique}]{persian-modern-oblique}
3105 \def\resetlatinfont{%
3106 \let\normalfont\latinfont%
3107 \let\reset@font\normalfont%
3108 \latinfont}
3109 \def\setpersianfont{%
3110 \let\normalfont\persianfont%
3111 \let\reset@font\normalfont%
3112 \persianfont}
3113 \bidi@newrobustcmd*{\lr}[1]{\LRE{\@Latintrue\latinfont#1}}
3114 \bidi@newrobustcmd*{\rl}[1]{\RLE{\@Latinfalse\persianfont#1}}
3115 \def\latin{\LTR\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3116 \def\endlatin{\endLTR}
3117 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3118 \def\endpersian{\endRTL}
3119 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlat
3120 \newenvironment{parsiiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\e
3121 \let\originaltoday=\today
3122 \def\latintoday{\lr{\originaltoday}}
3123 \def\today{\rl{\persiantoday}}
3124 \def \@LTRmarginparreset {%
3125     \reset@font
3126     \latinfont
3127     \normalsize
3128     \@minipagetrue
3129     \everypar{\@minipagefalse\everypar{}\beginL}%
3130 }
3131 \DeclareRobustCommand\Latincite{%
3132   \@ifnextchar [{\@tempwatrue\@Latincitex}{\@tempwafalse\@Latincitex[]}]
3133 \def\@Latincitex[#1]#2{\leavevmode
3134   \let\@citea\empty

```

```

3135 \cite{\lr{\@for\@citeb:=#2\do
3136   {\@citea\def\@citea{\penalty\@m\ }%
3137   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
3138   \if@files\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3139   \ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3140   \G@refundefinedtrue
3141   \@latex@warning
3142     {Citation `{\@citeb' on page \thepage \space undefined}}%
3143   {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\}{#1}}
3144 \def\outputpage{%
3145 \begingroup           % the \endgroup is put in by \aftergroup
3146 \let \protect \noexpand
3147 \@resetactivechars
3148 \global\let\@if@newlist\if@newlist
3149 \global\@newlistfalse
3150 \@parboxrestore
3151 \shipout \vbox{%
3152   \set@typeset@protect
3153   \aftergroup \endgroup
3154   \aftergroup \set@typeset@protect
3155                       % correct? or just restore by ending
3156                       % the group?
3157 \if@specialpage
3158   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
3159 \fi
3160 \if@twoside
3161   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
3162   \let\@themargin\oddsidemargin
3163   \else \let\@thehead\@evenhead
3164   \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
3165 \fi
3166 \ifx\@thehead\@empty \let\@thehead\hfil \fi
3167 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
3168 \else %% not @twoside
3169 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
3170 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
3171 \fi
3172 \reset@font
3173 \normalsize
3174 \ifRTLMmain\setpersianfont\else\resetlatinfont\fi
3175 \normalsfcodes
3176 \let\label\@gobble
3177 \let\index\@gobble
3178 \let\glossary\@gobble
3179 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
3180 \@beginindvi
3181 \vskip \topmargin
3182 \moveright\@themargin \vbox {%
3183   \setbox\@tempboxa \vbox to\headheight{%
3184     \vfil

```

```

3185      \color@hbox
3186      \normalcolor
3187      \hb@xt@{\textwidth}{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLma
3188      \color@endbox
3189      }%
3190      \dp\@tempboxa \z@
3191      \box\@tempboxa
3192      \vskip \headsep
3193      \box\@outputbox
3194      \baselineskip \footskip
3195      \color@hbox
3196      \normalcolor
3197      \hb@xt@{\textwidth}{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
3198      \color@endbox
3199      }%
3200  }%
3201  \global\let\if@newlist\@if@newlist
3202  \global \colht \textheight
3203  \stepcounter{page}%
3204  \let\firstmark\botmark
3205 }
3206 \newcommand\twocolumnstableofcontents{%
3207 \@ifpackageloaded{multicol}{%
3208   \begin{multicols}{2}[\section*{\contentsname}]%
3209     \small
3210     \@starttoc{toc}%
3211   \end{multicols}}
3212 {\PackageError{xepersian}{Oops! you should load multicol package before xepersian package for bei
3213 \def\XePersian{\leavevmode$\smash{\hbox{X\lower.5ex
3214   \hbox{\kern-.125em\reflect{E}}Persian}}$}
3215 \def\figurename{\if@RTL else\ Figure\fi}
3216 \def\tablename{\if@RTL else\ Table\fi}
3217 \def\contentsname{\if@RTL else\ Contents\fi}
3218 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3219 \def\listtablename{\if@RTL else\ List of Tables\fi}
3220 \def\appendixname{\if@RTL else\ Appendix\fi}
3221 \def\indexname{\if@RTL else\ Index\fi}
3222 \def\refname{\if@RTL else\ References\fi}
3223 \def\abstractname{\if@RTL else\ Abstract\fi}
3224 \def\partname{\if@RTL else\ Part\fi}
3225 \def\datename{\if@RTL else\ Date:\fi}
3226 \def\@and{\if@RTL else\ and\fi}
3227 \def\bibname{\if@RTL else\ Bibliography\fi}
3228 \def\chaptername{\if@RTL else\ Chapter\fi}
3229 \def\ccname{\if@RTL else\ cc\fi}
3230 \def\enclname{\if@RTL else\ encl\fi}
3231 \def\pagename{\if@RTL else\ Page\fi}
3232 \def\headtoname{\if@RTL else\ To\fi}
3233 \def\proofname{\if@RTL else\ Proof\fi}
3234 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\

```

```

3235 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3236 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3237 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3238 \let\harfinumeral\@harfi
3239 \newcommand{\adadi}[1]{%
3240 \expandafter\@adadi\csname c@#1\endcsname%
3241 }
3242 \newcommand{\@adadi}[1]{%
3243 \xepersian@numberstring{#1}\xepersian@yekanii{ }}%
3244 }
3245 \let\adadinumeral\@adadi%
3246 \def\xepersian@numberoutofrange#1#2{%
3247 \PackageError{xepersian}{The number `#1' is too large %
3248 to be formatted using xepersian}{The largest possible %
3249 number is 999,999,999.}%
3250 }
3251 \def\xepersian@numberstring#1#2#3#4{%
3252 \ifnum\number#1<\@ne%
3253 #3%
3254 \else\ifnum\number#1<1000000000 %
3255 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3256 \else%
3257 \xepersian@numberoutofrange{#1}{#4}%
3258 \fi\fi%
3259 }
3260 \def\xepersian@adadi#1#2{%
3261 \expandafter\xepersian@@adadi%
3262 \ifcase%
3263 \ifnum#1<10 1%
3264 \else\ifnum#1<100 2%
3265 \else\ifnum#1<\@m 3%
3266 \else\ifnum#1<\@M 4%
3267 \else\ifnum#1<100000 5%
3268 \else\ifnum#1<1000000 6%
3269 \else\ifnum#1<10000000 7%
3270 \else\ifnum#1<100000000 8%
3271 \else9%
3272 \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi %
3273 \or00000000#1% case 1: Add 8 leading zeros
3274 \or0000000#1% case 2: Add 7 leading zeros
3275 \or000000#1% case 3: Add 6 leading zeros
3276 \or00000#1% case 4: Add 5 leading zeros
3277 \or0000#1% case 5: Add 4 leading zeros
3278 \or000#1% case 6: Add 3 leading zeros
3279 \or00#1% case 7: Add 2 leading zeros
3280 \or0#1% case 8: Add 1 leading zero
3281 \or#1% case 9: Add no leading zeros
3282 \or%
3283 \@nil#2%
3284 \fi%

```

```

3285 }
3286 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3287 \ifnum#1#2#3>\z@
3288 \xepersian@milyoongan#1#2#3%
3289 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3290 \fi%
3291 \ifnum#4#5#6>\z@%
3292 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3293 \ifnum#4#5#6>\@ne\fi%
3294 %
3295 \ifnum#7>\z@\ \fi%
3296 \fi%
3297 \xepersian@sadgan#7{#4#5#6}1#9%
3298 }
3299 \def\xepersian@milyoongan#1#2#3{%
3300 \ifnum#1#2#3=\@ne%
3301 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3302 %
3303 %
3304 \else%
3305 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3306 %
3307 %
3308 \fi%
3309 }
3310 \def\xepersian@sadgan#1#2#3#4#5#6{%
3311 \ifnum#1>\z@%
3312 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3313 %
3314 \ifnum#2#3>\z@\ \fi%
3315 \fi%
3316 \ifnum#2#3<20%
3317 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3318 \else%
3319 \xepersian@dahgan#2%
3320 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3321 #60%
3322 \fi%
3323 }
3324 \def\xepersian@yekani#1{%
3325 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3326 \or or\ or\ or\ or\ or\ %
3327 \or or\ or\ or\ %
3328 \or or\ %fi\
3329 }
3330 \def\xepersian@yekanii#1{%
3331 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3332 }
3333 \def\xepersian@yekaniiii#1{%
3334 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\

```

```

3335 }
3336 \def\xepersian@yekaniv#1{%
3337 \ifcase#1\@empty\or\or\or\or\or\or\ %
3338 \or\or\or\ %fi\
3339 }
3340 \def\xepersian@dahgan#1{%
3341 \ifcase#1\or\or\or\or\ %
3342 \or\or\or\or\ %
3343 \or %fi\
3344 }
3345 \newcommand{\tartibi}[1]{%
3346 \expandafter\@tartibi\csize c@#1\endcsname%
3347 }
3348 \newcommand{\@tartibi}[1]{%
3349 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3350 }
3351 \let\tartibinumeral\@tartibi%
3352 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3353 \ifnum\number#1<\@ne%
3354 #3%
3355 \else\ifnum\number#1<1000000000 %
3356 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3357 \else%
3358 \xepersian@numberoutofrange{#1}{#4}%
3359 \fi\fi%
3360 }
3361 \def\xepersian@adadi@tartibi#1#2{%
3362 \expandafter\xepersian@@adadi@tartibi%
3363 \ifcase%
3364 \ifnum#1<10 1%
3365 \else\ifnum#1<100 2%
3366 \else\ifnum#1<\@m 3%
3367 \else\ifnum#1<\@M 4%
3368 \else\ifnum#1<100000 5%
3369 \else\ifnum#1<1000000 6%
3370 \else\ifnum#1<10000000 7%
3371 \else\ifnum#1<100000000 8%
3372 \else9%
3373 \fi\fi\fi\fi\fi\fi\fi\fi %
3374 \or00000000#1% case 1: Add 8 leading zeros
3375 \or0000000#1% case 2: Add 7 leading zeros
3376 \or000000#1% case 3: Add 6 leading zeros
3377 \or00000#1% case 4: Add 5 leading zeros
3378 \or0000#1% case 5: Add 4 leading zeros
3379 \or000#1% case 6: Add 3 leading zeros
3380 \or00#1% case 7: Add 2 leading zeros
3381 \or0#1% case 8: Add 1 leading zero
3382 \or#1% case 9: Add no leading zeros
3383 \or%
3384 \@nil#2%

```

```

3385 \fi%
3386 }
3387 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3388 \ifnum#1#2#3>\z@
3389 \xepersian@milyoongan@tartibi#1#2#3%
3390 \ifnum#7>\z@\ifnum#4#5#6>\z@ \else \fi\else\ifnum#4#5#6>\z@ \fi\fi%
3391 \fi%
3392 \ifnum#4#5#6>\z@%
3393 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3394 \ifnum#4#5#6>\@ne \fi%
3395 %
3396 \ifnum#7>\z@ \fi%
3397 \fi%
3398 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3399 }
3400 \def\xepersian@milyoongan@tartibi#1#2#3{%
3401 \ifnum#1#2#3=\@ne%
3402 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3403 %
3404 %
3405 \else%
3406 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3407 %
3408 %
3409 \fi%
3410 }
3411 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3412 \ifnum#1>\z@%
3413 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3414 %
3415 \ifnum#2#3>\z@ \fi%
3416 \fi%
3417 \ifnum#2#3<20%
3418 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3419 \else%
3420 \xepersian@dahgan#2%
3421 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
3422 #60%
3423 \fi%
3424 }
3425 \def\xepersian@tartibi#1{%
3426 \ifcase#1 \or or\ or\ or\ %
3427 \or or\ or\ or\ or\ %
3428 \or or\ or\ or\ %
3429 \or or\ or\ %
3430 \or or\ or\ %fi\
3431 }
3432 \def\xepersian@yekanv#1{%
3433 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3434 \or or\ or\ or\ or\ or\ %

```



```

3435 \or or\ or\ or\ %
3436 \or or\ %fi\
3437 }
3438 \providecommand*\xpg@warning}[1]{%
3439 \PackageWarning{XePersian}%
3440 {#1}}
3441 \if@bidi@csundef{abjadnumeral}{%
3442 \def\abjadnumeral#1{%
3443 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3444 \else
3445 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3446 \else
3447 \ifnum#1<10\expandafter\abj@num@i\number#1%
3448 \else
3449 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3450 \else
3451 \ifnum#1<\m\expandafter\abj@num@iii\number#1%
3452 \else
3453 \ifnum#1<\M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3454 \fi
3455 \fi
3456 \fi
3457 \fi
3458 \fi
3459 \fi
3460 }
3461 \def\abjad@zero{}
3462 \def\abj@num@i#1{%
3463 \ifcase#1\or or\ or\ or\ %
3464 \or or\ or\ or\ or\ fi\
3465 \ifnum#1=\z@\abjad@zero\fi}
3466 \def\abj@num@ii#1{%
3467 \ifcase#1\or or\ or\ or\ or\ %
3468 \or or\ or\ or\ fi\
3469 \ifnum#1=\z@\fi\abj@num@i}
3470 \def\abj@num@iii#1{%
3471 \ifcase#1\or or\ or\ or\ or\ %
3472 \or or\ or\ or\ fi\
3473 \ifnum#1=\z@\fi\abj@num@ii}
3474 \def\abj@num@iv#1{%
3475 \ifcase#1\or fi\
3476 \ifnum#1=\z@\fi\abj@num@iii}
3477 }{}
3478 \let\@latinalph\@alph%
3479 \let\@latinAlph\@Alph%
3480 \def\PersianAlphs{%
3481 \let\@alph\abjadnumeral%
3482 \let\@Alph\abjadnumeral%
3483 }
3484 \def\LatinAlphs{%

```

```

3485 \let\@alph\@latinalph%
3486 \let\@Alph\@latinAlph%
3487 }
3488 \PersianAlphs
3489 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3490 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3491 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3492 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3493 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3494 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3495 \@ifpackageloaded{bidi}{\input{footnote-xepersian.def}}{}
3496 \@ifpackageloaded{bidityftesidenote}{\input{bidityftesidenote-xepersian.def}}{}
3497 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3498 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3499 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3500 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3501 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3502 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3503 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3504 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3505 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xepersian.def}}{}
3506 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3507 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3508 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3509 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3510 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3511 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3512 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3513 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3514 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3515 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3516 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3517 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3518 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3519 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3520 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3521 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3522 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3523 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3524 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3525 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3526 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3527 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3528 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3529 \DeclareOption{Kashida}{\input{kashida-xepersian.def}}
3530 \DeclareOption{localise}{\input{localise-xepersian.def}}
3531 \DeclareOption{extrafootnotefeatures}{\@extrafootnotefeaturestrue}
3532 \DeclareOption{quickindex}{%
3533 \ifwritexviii%
3534 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir

```

```

3535 \renewcommand\printindex{\newpage%
3536 \immediate\closeout\@indexfile
3537 \immediate\write18{xindy -L persian -C utf8 -M texindy -M page-ranges \jobname.idx}
3538 \@input@{\jobname.ind}}}%
3539 \else
3540 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex --
3541 \fi}
3542 \ExecuteOptions{localise}
3543 \ProcessOptions
3544
3545 \if@extrafootnotefeatures
3546 \input{extrafootnotefeatures-xetex-bidi.def}
3547 \input{extrafootnotefeatures-xepersian.def}
3548 \fi

```

7.54 xepersian-magazine.cls

```

3549 \NeedsTeXFormat{LaTeX2e}
3550 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3551 \RequirePackage{ifthen}
3552 \newlength{\xepersian@imgsize}
3553 \newlength{\xepersian@coltitsize}
3554 \newlength{\xepersian@pageneed}
3555 \newlength{\xepersian@pageleft}
3556 \newlength{\xepersian@indexwidth}
3557 \newcommand{\xepersian@ncolumns}{0}
3558 \newlength{\columnlines}
3559 \setlength{\columnlines}{0 pt} % no lines by default
3560 \newboolean{xepersian@hyphenatedtitles}
3561 \setboolean{xepersian@hyphenatedtitles}{true}
3562 \newboolean{xepersian@ninepoints}
3563 \setboolean{xepersian@ninepoints}{false}
3564 \newboolean{xepersian@showgrid}
3565 \setboolean{xepersian@showgrid}{false}
3566 \newboolean{xepersian@a3paper}
3567 \setboolean{xepersian@a3paper}{false}
3568 \newboolean{xepersian@insidefrontpage}
3569 \setboolean{xepersian@insidefrontpage}{false}
3570 \newboolean{xepersian@insideweather}
3571 \setboolean{xepersian@insideweather}{false}
3572 \newboolean{xepersian@insideindex}
3573 \setboolean{xepersian@insideindex}{false}
3574 \newcount\xepersian@gridrows
3575 \newcount\xepersian@gridcolumns
3576 \xepersian@gridrows=40
3577 \xepersian@gridcolumns=50
3578 \newcount\minraggedcols
3579 \minraggedcols=5
3580 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3581 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}

```

```

3582 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3583 \DeclareOption{twocolumn}%
3584 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3585 \DeclareOption{notitlepage}%
3586 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3587 \DeclareOption{twoside}%
3588 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3589 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3590 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3591 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3592 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3593 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3594 \ProcessOptions\relax
3595 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3596 \RequirePackage{ifxetex}
3597 \RequirePackage{multido}
3598 \RequirePackage{datetime}
3599 \RequirePackage{multicol}
3600 \RequirePackage{fancyhdr}
3601 \RequirePackage{fancybox}
3602 \ifthenelse{\boolean{xepersian@a3paper}}{%
3603 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3604 }{
3605 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3606 }
3607 \RequirePackage[absolute]{textpos} % absolute positioning
3608 \RequirePackage{hyphenat} % when hyphenate
3609 \RequirePackage{lastpage} % to know the last page number
3610 \RequirePackage{setspace} % set space between lines
3611 \RequirePackage{ragged2e}
3612 \newcommand{\raggedFormat}{\RaggedLeft}
3613 \AtEndOfClass{\xepersianInit}
3614 \ifthenelse{\boolean{xepersian@showgrid}}{%
3615 \AtBeginDocument{
3616 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3617 \advance\minraggedcols by -1
3618 }{%
3619 \AtBeginDocument{
3620 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3621 \advance\minraggedcols by -1
3622 }
3623 \ifthenelse{\boolean{xepersian@ninepoints}}{
3624 \renewcommand{\normalsize}{%
3625 \setfontsize{\normalsize}{9pt}{10pt}%
3626 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3627 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3628 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3629 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3630
3631 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}

```

```

3632
3633 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
3634
3635 \renewcommand{\small}{\%
3636   \@setfontsize{\small}{8pt}{9pt}%
3637   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3638   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3639   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3640   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3641
3642 \renewcommand{\footnotesize}{\%
3643   \@setfontsize{\footnotesize}{8pt}{9pt}%
3644   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3645   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3646   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3647   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3648
3649 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3650 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3651 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3652 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3653 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3654 }{}
3655 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3656 \newcommand{\xepersian@wwwFormat}{\sffamily}
3657 \newcommand{\xepersian@www}{\%
3658 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
3659 }
3660 \newcommand{\xepersian@edition}{\{
3661 \newcommand{\editionFormat}{\large\bfseries\texttt}
3662 \newcommand{\xepersian@editionLogo}{\%
3663 \raisebox{-3pt}{\%
3664 {\editionFormat\xepersian@edition}%
3665 }%
3666 }
3667 \newcommand{\indexFormat}{\large\bfseries}
3668 \newcommand{\xepersian@indexFrameTitle}[1]
3669 {\begin{flushright}{\{\indexFormat #1}\end{flushright}}
3670
3671 \newcommand{\indexEntryFormat}{\normalsize}
3672 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3673 {\indexEntryFormat\noindent\ignorespaces{#1}}%
3674 \end{minipage}}
3675 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3676 \newcommand{\indexEntryPageTxt}{\}
3677 \newcommand{\indexEntryPageFormat}{\footnotesize}
3678 \newcommand{\xepersian@indexEntryPage}[1]{\%
3679 {\indexEntryPageFormat{\indexEntryPageTxt}{~#1}}%
3680 }
3681 \newcommand{\headDateTimeFormat}{\}

```

```

3682 \newcommand{\xepersian@headDateTime}{%
3683 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
3684 \currenttime %
3685 }
3686 \newcommand{\weatherFormat}{\bfseries}
3687 \newcommand{\xepersian@weather}[1]{%
3688 \noindent{\weatherFormat #1}%
3689 }
3690 \newcommand{\weatherTempFormat}{\small}
3691 \newcommand{\weatherUnits}{\textdegree{C}}
3692 \newcommand{\xepersian@section}[0]{ {
3693 \newcommand{\xepersian@headleft}{%
3694 {\small\bfseries \@custommagazinename} \date
3695 }
3696 \newcommand{\xepersian@headcenter}{%
3697 \xepersian@section{}
3698 }
3699 \newcommand{\xepersian@headright}{%
3700 \small\xepersian@edition%
3701 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3702 }
3703
3704 \newcommand{\heading}[3]{%
3705 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3706 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3707 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3708 }
3709 \newcommand{\xepersian@footright}{%
3710 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
3711 }
3712 \newcommand{\xepersian@footcenter}{%
3713 }
3714 \newcommand{\xepersian@footleft}{%
3715 }
3716
3717 \newcommand{\foot}[3]{%
3718 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3719 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3720 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3721 }
3722 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3723 \newcommand{\xepersian@firstTitle}[1]{%
3724 {%
3725 \begin{spacing}{2.0}{%
3726 \noindent\ignorespaces
3727 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3728 {\nohyphens{\firstTitleFormat #1}}%
3729 {\firstTitleFormat #1}}%
3730 }%
3731 \end{spacing}%

```

```

3732 }%
3733 }
3734 \newcommand{\firstTextFormat}{}
3735 \newcommand{\xepersian@firstText}[1]{%
3736 {\noindent\ignorespaces\firstTextFormat #1}%
3737 }
3738 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3739 \newcommand{\xepersian@secondTitle}[1]{%
3740 \begin{spacing}{1.5}{%
3741 \noindent\ignorespaces\flushright
3742 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3743 {\nohyphens{\secondTitleFormat #1}}%
3744 {\secondTitleFormat #1}}%
3745 }\end{spacing}%
3746 }
3747 \newcommand{\secondSubtitleFormat}{\large}
3748 \newcommand{\xepersian@secondSubtitle}[1]{%
3749 {\noindent\ignorespaces\secondSubtitleFormat #1}%
3750 }
3751 \newcommand{\secondTextFormat}{}
3752 \newcommand{\xepersian@secondText}[1]{%
3753 \begin{multicols}{2}
3754 {\noindent\ignorespaces\secondTextFormat #1}
3755 \end{multicols}
3756 }
3757 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3758 \newcommand{\xepersian@thirdTitle}[1]{%
3759 \begin{spacing}{1.5}{%
3760 \noindent\ignorespaces\flushright
3761 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3762 {\nohyphens{\thirdTitleFormat #1}}%
3763 {\thirdTitleFormat #1}}%
3764 }\end{spacing}%
3765 }
3766 \newcommand{\thirdSubtitleFormat}{\large}
3767 \newcommand{\xepersian@thirdSubtitle}[1]{%
3768 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
3769 \newcommand{\thirdTextFormat}{}
3770 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
3771 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3772 \newcommand{\xepersian@pictureCaption}[1]{%
3773 {\noindent\pictureCaptionFormat #1}%
3774 }
3775 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3776 \newcommand{\xepersian@pages}[1]{%
3777 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3778 \newcommand{\innerTitleFormat}{\Huge}
3779 \newcommand{\xepersian@innerTitle}[1]{%
3780 \begin{flushright}{%
3781 \noindent

```

```

3782 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3783 {\nohyphens{\innerTitleFormat #1}}%
3784 {\innerTitleFormat #1}}%
3785 }%
3786 %%
3787 \end{flushright}%
3788 }
3789 \newcommand{\innerSubtitleFormat}{\large}
3790 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}
3791 \newcommand{\timestampTxt}{}
3792 \newcommand{\timestampSeparator}{}
3793 \newcommand{\timestampFormat}{\small}
3794 \newcommand{\timestamp}[1]{%
3795 {\timestampFormat%
3796 #1~\timestampTxt}%
3797 }~\timestampSeparator}%
3798 }
3799 \newcommand{\innerAuthorFormat}{\footnotesize}
3800 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3801 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3802 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3803 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3804 \newcommand{\editorialAuthorFormat}{\textsc}
3805 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3806 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}
3807 \newcommand{\shortarticleSubtitleFormat}{\Large}
3808 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}
3809 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3810 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}
3811 \renewcommand{\maketitle}{\begin{titlepage}%
3812 \let\footnotesize\small
3813 \let\footnoterule\relax
3814 \let\footnote\thanks
3815 \null\vfil
3816 \vskip 60\p@
3817 \begin{center}%
3818 {\LARGE \@title \par}%
3819 \vskip 1em%
3820 {\LARGE «\xepersian@edition» \par}%
3821 \vskip 3em%
3822 {\large
3823 \lineskip .75em%
3824 \begin{tabular}[t]{c}%
3825 \@author
3826 \end{tabular}\par}%
3827 \vskip 1.5em%
3828 {\large \@date \par}%
3829 \end{center}\par
3830 \@thanks
3831 \vfil\null

```



```

3832 \end{titlepage}%
3833 \setcounter{footnote}{0}%
3834 \global\let\thanks\relax
3835 \global\let\maketitle\relax
3836 \global\let\@thanks\@empty
3837 \global\let\@author\@empty
3838 \global\let\@date\@empty
3839 \global\let\@title\@empty
3840 \global\let\title\relax
3841 \global\let\author\relax
3842 \global\let\date\relax
3843 \global\let\and\relax
3844 }
3845 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3846 \newsavebox{\xepersian@fmbox}
3847 \newenvironment{xepersian@fmpage}[1]
3848 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
3849 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
3850 \newcommand{\image}[2]{
3851 \vspace{5pt}
3852 \setlength{\fboxsep}{1pt}
3853 \addtolength{\xepersian@imgsize}{\columnwidth}
3854 \addtolength{\xepersian@imgsize}{-1\columnsep}
3855 \ifxetex
3856 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3857 \addtolength{\xepersian@pageneed}{50pt}
3858 \ClassWarning{xepersian-magazine}{%
3859 Image #1 needs: \the\xepersian@pageneed \space %
3860 and there is left: \the\page@free\space%
3861 }
3862 \ifdim \xepersian@pageneed < \page@free
3863
3864 {\centering\fbox{%
3865 \includegraphics[width = \xepersian@imgsize,
3866 height = \xepersian@imgsize,
3867 keepaspectratio ]{#1}}}
3868 \xepersian@pictureCaption{#2}
3869
3870 \vspace{5pt}
3871 \else
3872 \ClassWarning{Image #1 needs more space!%
3873 It was not inserted!}
3874 \fi
3875 \fi
3876 }
3877 \textblockorigin{1cm}{1cm}
3878 \newdimen\xepersian@dx
3879 \newdimen\xepersian@dy
3880 \newcount\xepersian@cx
3881 \newcount\xepersian@cy

```

```

3882 \newcommand{\grid}[3][]{
3883 \xepersian@dx=\textwidth%
3884 \xepersian@dy=\textheight%
3885 \xepersian@cx=#3% %columns
3886 \xepersian@cy=#2% %rows
3887
3888 \count1=#3%
3889 \advance\count1 by 1
3890
3891 \count2=#2%
3892 \advance\count2 by 1
3893
3894 \divide\xepersian@dx by #3
3895 \divide\xepersian@dy by #2
3896
3897 \setlength{\TPHorizModule}{\xepersian@dx}
3898 \setlength{\TPVertModule}{\xepersian@dy}
3899
3900 \ifthenelse{\equal{#1}{show}}{
3901 \multido{\xepersian@nrow=0+1}{\count2}{
3902 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
3903 \rule[0pt]{\textwidth}{.1pt}
3904 \end{textblock}
3905 }
3906
3907 \multido{\xepersian@ncol=0+1}{\count1}{
3908 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
3909 \rule[0pt]{.1pt}{\textheight}
3910 \end{textblock}
3911 }
3912 }{}
3913 }
3914 \newcommand{\xepersianInit}{
3915 \setlength{\headheight}{14pt}
3916 \renewcommand{\headrulewidth}{0.4pt}
3917
3918 \pagestyle{fancy}
3919
3920 \setlength{\columnseprule}{\columnlines}
3921 \setlength{\fboxrule}{0.1 pt}
3922
3923 }
3924
3925 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
3926 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
3927 \def\custommagaziname#1{\gdef\@custommagaziname{\beginR#1\endR}}
3928 \newcommand{\logo}[0]{
3929 %% Heading %%
3930 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
3931

```

```

3932 \vspace*{-3pt}
3933
3934 {\Large\bfseries \@customlogo}
3935 \hrulefill
3936 \hspace{10pt}\xepersian@headDateTime
3937
3938 }
3939 \newcommand{\minilogo}[0]{
3940 {\large\bfseries \@customminilogo}
3941
3942 \vspace*{5pt}
3943 }
3944 \newcommand{\mylogo}[1]{
3945 {\beginR#1\endR}
3946
3947 \noindent
3948 \xepersian@editionLogo\hspace{5pt}
3949 \hrulefill
3950 \hspace{5pt}\xepersian@headDateTime
3951 }
3952 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
3953 \newenvironment{frontpage}[0]
3954 {
3955 \setboolean{xepersian@insidefrontpage}{true}
3956 \thispagestyle{empty}
3957 \logo
3958
3959 }%
3960 {
3961 \thispagestyle{empty}
3962 \clearpage
3963 \newpage
3964 \fancyhead{}
3965 \fancyfoot{}
3966 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
3967 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
3968 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
3969 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
3970 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
3971 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
3972 \renewcommand{\headrulewidth}{0.4pt}
3973 \setboolean{xepersian@insidefrontpage}{false}
3974
3975 }
3976 \newcommand{\firstarticle}[3]
3977 {
3978 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3979 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3980 \begin{textblock}{24}(22,5)
3981 }

```

```

3982 {
3983 \begin{textblock}{28}(22,5)
3984 }
3985 \vspace{-7pt}
3986 \xepersian@firstTitle{#1}
3987 \end{textblock}
3988 \begin{textblock}{29}(22,10)
3989 \vspace{5pt plus 2pt minus 2pt}
3990
3991 \xepersian@firstText{\timestamp{#3}~#2}
3992
3993 \end{textblock}
3994
3995 \begin{textblock}{50}(0,15)
3996 \rule{50\TPHorizModule}{.3pt}
3997 \end{textblock}
3998 }{%else
3999 \ClassError{xepersian-magazine}{%
4000 \protect\firstarticle\space in a wrong place.\MessageBreak
4001 \protect\firstarticle\space may only appear inside frontpage environment.
4002 }{%
4003 \protect\firstarticle\space may only appear inside frontpage environment.
4004 }%
4005 }
4006 }
4007 \newcommand{\secondarticle}[5]
4008 {
4009 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4010 \begin{textblock}{33}(2,16)
4011 \xepersian@pages{#4}
4012 \vspace{-5pt}
4013 \xepersian@secondTitle{#1}
4014
4015 \vspace*{5pt}
4016
4017 \xepersian@secondSubtitle{#2}
4018
4019 \vspace*{-7pt}
4020
4021 \xepersian@secondText{\timestamp{#5}~#3}
4022
4023 \end{textblock}
4024
4025 \begin{textblock}{33}(2,25)
4026 \vspace{5pt plus 2pt minus 2pt}
4027
4028 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4029 \end{textblock}
4030 }{%else
4031 \ClassError{xepersian-magazine}{%

```

```

4032 \protect\secondarticle\space in a wrong place.\MessageBreak
4033 \protect\secondarticle\space may only appear inside frontpage environment.
4034 }{%
4035 \protect\secondarticle\space may only appear inside frontpage environment.
4036 }%
4037 }
4038 }
4039 \newcommand{\thirdarticle}[6]
4040 {
4041 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4042 \begin{textblock}{32}(2,26)
4043 \xepersian@pages{#5}
4044 \vspace{-5pt}
4045 \setlength{\fboxsep}{1pt}
4046 \xepersian@thirdTitle{#1}
4047
4048 \vspace*{5pt}
4049
4050 \xepersian@thirdSubtitle{#2}
4051
4052 \vspace*{5pt}
4053
4054 {\noindent\ignorespaces %
4055 \ifthenelse{\equal{#4}{}}{}
4056
4057 \xepersian@thirdText{\timestamp{#6}~#3}
4058
4059 }
4060
4061 \vspace*{5pt}
4062
4063 \end{textblock}
4064 }{%else
4065 \ClassError{xepersian-magazine}{%
4066 \protect\thirdarticle\space in a wrong place.\MessageBreak
4067 \protect\thirdarticle\space may only appear inside frontpage environment.
4068 }{%
4069 \protect\thirdarticle\space may only appear inside frontpage environment.
4070 }%
4071 }
4072 }
4073 \newcommand{\firstimage}[2]
4074 {
4075 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4076 \begin{textblock}{18}(2,5)
4077 \setlength{\fboxsep}{1pt}
4078 \ifxetex % only in PDF
4079 \noindent\fbbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4080 \fi
4081

```

```

4082 \xepersian@pictureCaption{#2}
4083 \end{textblock}%
4084 }
4085 {\ClassError{xepersian-magazine}{%
4086 \protect\firstimage\space in a wrong place.\MessageBreak
4087 \protect\firstimage\space may only appear inside frontpage environment.
4088 }{%
4089 \protect\firstimage\space may only appear inside frontpage environment.
4090 }}
4091 }%
4092 \newcommand{\weatheritem}[5]{%
4093 \ifthenelse{\boolean{xepersian@insideweather}}{
4094 \begin{minipage}{45pt}
4095 \ifxetex
4096 \includegraphics[width=40pt]{#1}
4097 \fi
4098 \end{minipage}
4099 \begin{minipage}{50pt}
4100 \weatherTempFormat
4101 #2\\
4102 \beginL#3 $| $ #4 \lr{\weatherUnits{}}\endL\\
4103 #5
4104 \end{minipage}
4105 }{%else
4106 \ClassError{xepersian-magazine}{%
4107 \protect\weatheritem\space in a wrong place.\MessageBreak
4108 \protect\weatheritem\space may only appear inside weatherblock environment.
4109 }{%
4110 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4111 weatherblock environment may only appear inside frontpage environment.
4112 }%
4113 }
4114 }
4115 \newenvironment{weatherblock}[1]
4116 {
4117 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4118 \setboolean{xepersian@insideweather}{true}
4119 \begin{textblock}{32}(2,38)
4120 \vspace*{-15pt}
4121
4122 \xepersian@weather{\beginR#1\endR}
4123
4124 \vspace*{5pt}
4125
4126 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4127 \begin{minipage}{32\TPHorizModule}
4128 \hspace{5pt}
4129
4130 }{%
4131 \ClassError{xepersian-magazine}{%

```

```

4132 weatherblock in a wrong place.\MessageBreak
4133 weatherblock may only appear inside frontpage environment.
4134 }{%
4135 weatherblock may only appear inside frontpage environment.
4136 }
4137 }
4138 }%
4139 {
4140 \end{minipage}
4141 \end{xepersian@fmpage}
4142 \end{textblock}
4143 \setboolean{xepersian@insideweather}{false}
4144 }
4145 \newenvironment{authorblock}[0]
4146 {
4147 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4148 \begin{textblock}{15}(36,35)
4149 \setlength{\fboxsep}{5pt}
4150 \begin{xepersian@fmpage}{13\TPHorizModule}
4151 \begin{minipage}{13\TPHorizModule}
4152 \centering
4153 \minilogo
4154
4155 }{%else
4156 \ClassError{xepersian-magazine}{%
4157 authorblock in a wrong place.\MessageBreak
4158 authorblock may only appear inside frontpage environment.
4159 }{%
4160 authorblock may only appear inside frontpage environment.
4161 }
4162 }
4163 }
4164 {
4165 \end{minipage}
4166 \end{xepersian@fmpage}
4167 \end{textblock}
4168 }
4169 \newenvironment{indexblock}[1]
4170 {
4171 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4172 \setboolean{xepersian@insideindex}{true}%let's in
4173 \begin{textblock}{15}(36,16)
4174 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4175 \xepersian@indexFrameTitle{#1}
4176
4177 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4178 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4179 \begin{minipage}{\xepersian@indexwidth}
4180 \vspace*{10pt}
4181 }{%else

```

```

4182 \ClassError{xepersian-magazine}{%
4183 indexblock in a wrong place.\MessageBreak
4184 indexblock may only appear inside frontpage environment.
4185 }{%
4186 indexblock may only appear inside frontpage environment.
4187 }
4188 }
4189 }%
4190 {
4191 \end{minipage}
4192 \end{xepersian@fmpage}
4193 \end{textblock}
4194 \setboolean{xepersian@insideindex}{false}%let's out
4195 }
4196 \newcommand{\indexitem}[2]
4197 {
4198 \ifthenelse{\boolean{xepersian@insideindex}}{
4199 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4200
4201 \vspace{0.5cm}
4202
4203 \noindent\ignorespaces\indexEntrySeparator{
4204 }{%else
4205 \ClassError{xepersian-magazine}{%
4206 \protect\indexitem\space in a wrong place.\MessageBreak
4207 \protect\indexitem\space may only appear inside indexblock environment.
4208 }{%
4209 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4210 indexblock environment may only appear inside frontpage environment.
4211 }%
4212 }
4213 }
4214 \newcommand{\xepersian@inexpandedtitle}[1]{
4215 \begin{minipage}{.95\textwidth}
4216 \begin{center}
4217 \noindent\Large\textbf{\beginR#1\endR}
4218 \end{center}
4219 \end{minipage}
4220 }
4221 \newcommand{\expandedtitle}[2]{
4222 \end{multicols}
4223
4224 \begin{center}
4225 \setlength{\fboxsep}{5pt}
4226 \setlength{\shadowsize}{2pt}
4227 \ifthenelse{\equal{#1}{shadowbox}}{%
4228 \shadowbox{%
4229 \xepersian@inexpandedtitle{#2}%
4230 }%
4231 }{}

```



```

4232 \ifthenelse{\equal{#1}{doublebox}}{%
4233 \doublebox{%
4234 \xepersian@inexpandedtitle{#2}%
4235 }%
4236 }{}
4237 \ifthenelse{\equal{#1}{ovalbox}}{%
4238 \ovalbox{%
4239 \xepersian@inexpandedtitle{#2}%
4240 }%
4241 }{}
4242 \ifthenelse{\equal{#1}{ovalbox}}{%
4243 \ovalbox{%
4244 \xepersian@inexpandedtitle{#2}%
4245 }%
4246 }{}
4247 \ifthenelse{\equal{#1}{lines}}{
4248 \hrule
4249 \vspace*{8pt}
4250 \begin{center}
4251 \noindent\Large\textbf{#2}
4252 \end{center}
4253 \vspace*{8pt}
4254 \hrule
4255 }{}
4256 \end{center}
4257
4258 \begin{multicols}{\xepersian@ncolumns{}}
4259 \ifnum \xepersian@ncolumns > \minraggedcols
4260 \raggedFormat
4261 \fi
4262 }
4263 \newcommand{\xepersian@incolumntitle}[2]{
4264 \begin{minipage}{#1}
4265 \begin{center}
4266 \noindent\normalsize\textbf{#2}
4267 \end{center}
4268 \end{minipage}
4269 }
4270
4271 \newcommand{\columnntitle}[2]{
4272 \vspace*{5pt}
4273 \begin{center}
4274 \setlength{\fboxsep}{5pt}
4275 \setlength{\shadowsize}{2pt}
4276 \addtolength{\xepersian@coltitsize}{\columnwidth}
4277 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4278 \addtolength{\xepersian@coltitsize}{-5pt}
4279 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4280 \ifthenelse{\equal{#1}{shadowbox}}{%
4281 \shadowbox{%

```

```

4282 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4283 }%
4284 {}
4285 \ifthenelse{\equal{#1}{doublebox}}{%
4286 \doublebox{%
4287 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4288 }%
4289 {}
4290 \ifthenelse{\equal{#1}{ovalbox}}{%
4291 \ovalbox{%
4292 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4293 }%
4294 {}
4295 \ifthenelse{\equal{#1}{ovalbox}}{%
4296 \Ovalbox{%
4297 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4298 }%
4299 {}
4300 \ifthenelse{\equal{#1}{lines}}{
4301 \hrule
4302 \vspace*{5pt}
4303 \begin{center}
4304 \noindent\normalsize\textbf{#2}
4305 \end{center}
4306 \vspace*{5pt}
4307 \hrule
4308 }{
4309 \end{center}
4310 }
4311 \renewcommand{\date}{%
4312 \longdate{\today}%
4313 }
4314 \newcommand{\authorandplace}[2]{%
4315 \rightline{%
4316 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
4317 }%
4318 \par %
4319 }
4320 \newcommand{\newsection}[1]{
4321 \renewcommand{\xepersian@section}{#1}
4322 }
4323 \newenvironment{article}[5]
4324 {
4325 \xepersian@say{Adding a new piece of article}
4326 \renewcommand{\xepersian@ncolumns}{#1}
4327 \begin{multicols}{#1}[
4328 \xepersian@pages{#4}
4329 \xepersian@innerTitle{#2}%
4330 \xepersian@innerSubtitle{#3}%
4331 ] [4cm]%

```

```

4332 \label{#5}
4333 \ifnum #1 > \minraggedcols
4334 \raggedFormat
4335 \fi
4336 }
4337 {\innerTextFinalMark{}
4338 \end{multicols}
4339 }
4340 \newcommand{\articlesep}{%
4341 \setlength{\xepersian@pageneed}{16000pt}
4342 \setlength{\xepersian@pageleft}{\pagegoal}
4343 \addtolength{\xepersian@pageleft}{-\pagetotal}
4344
4345 \xepersian@say{How much left \the\xepersian@pageleft}
4346
4347 \ifdim \xepersian@pageneed < \xepersian@pageleft
4348 \xepersian@say{Not enough space}
4349 \else
4350 \xepersian@say{Adding sep line between articles}
4351 \vspace*{10pt plus 10pt minus 5pt}
4352 \hrule
4353 \vspace*{10pt plus 5pt minus 5pt}
4354 \fi
4355
4356 }
4357 \newcommand{\xepersian@editorialTit}[2]{
4358 \setlength{\arrayrulewidth}{.1pt}
4359 \begin{center}
4360 \begin{tabular}{c}
4361 \noindent
4362 \xepersian@editorialTitle{#1}
4363 \vspace{2pt plus 1pt minus 1pt}
4364 \\
4365 \hline
4366 \vspace{2pt plus 1pt minus 1pt}
4367 \\
4368 \editorialAuthorFormat{#2}
4369 \end{tabular}
4370 \end{center}
4371 }
4372 \newenvironment{editorial}[4]
4373 {
4374 \xepersian@say{Adding a new editorial}
4375 \begin{multicols}{#1}[%
4376 \xepersian@editorialTit{#2}{#3}%
4377 ][4cm]
4378 \label{#4}
4379 \ifnum #1 > \minraggedcols
4380 \raggedFormat
4381 \fi

```

```

4382 }
4383 {
4384 \end{multicols}
4385 }
4386 \newcommand{\xepersian@shortarticleTit}[2]{
4387 \begin{center}
4388 \vbox{%
4389 \noindent
4390 \xepersian@shortarticleTitle{#1}
4391 \vspace{4pt plus 2pt minus 2pt}
4392 \hrule
4393 \vspace{4pt plus 2pt minus 2pt}
4394 \xepersian@shortarticleSubtitle{#2}
4395 }
4396 \end{center}
4397 }
4398 \newenvironment{shortarticle}[4]
4399 {
4400 \xepersian@say{Adding a short article block}
4401 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
4402 \label{#4}
4403 \par %
4404 \ifnum #1 > \minraggedcols
4405 \raggedFormat
4406 \fi
4407 }
4408 {
4409 \end{multicols}
4410 }
4411 \newcommand{\shortarticleitem}[2]{
4412 \goodbreak
4413 \vspace{5pt plus 3pt minus 3pt}
4414 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}%
4415 \vspace{5pt plus 3pt minus 3pt}
4416 {\noindent #2}\\
4417 }

```

7.55 xepersian-mathsdigitspec.sty

```

4418 \NeedsTeXFormat{LaTeX2e}
4419 \ProvidesPackage{xepersian-mathsdigitspec}
4420 [2013/04/08 v1.0.4 Unicode Persian maths digits in XeLaTeX]
4421 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4422 \let\newfam\new@mathgroup
4423 \def\select@group#1#2#3#4{%
4424 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4425 {%
4426 \ifmmode
4427 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4428 \begingroup

```

```

4429     \escapechar\m@ne
4430     \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4431     \globaldefs\@ne \math@fonts
4432 \endgroup
4433 \init@restore@version
4434 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4435         {\number\csname c@mv@\math@version\endcsname}}}%
4436 \global\advance\csname c@mv@\math@version\endcsname\@ne
4437 \else
4438     \let#1\relax
4439     \@latex@error{Too many math alphabets used in
4440                 version \math@version}%
4441     \@eha
4442 \fi
4443 \else \expandafter\non@alpherr\fi
4444 #1{#4}%
4445 }%
4446 }
4447 \def\document@select@group#1#2#3#4{%
4448 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4449 {%
4450 \ifmmode
4451     \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4452     \begingroup
4453         \escapechar\m@ne
4454         \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4455         \globaldefs\@ne \math@fonts
4456     \endgroup
4457     \expandafter\extract@alph@from@version
4458         \csname mv@\math@version\expandafter\endcsname
4459         \expandafter{\number\csname
4460                     c@mv@\math@version\endcsname}%
4461         #1%
4462     \global\advance\csname c@mv@\math@version\endcsname\@ne
4463 \else
4464     \let#1\relax
4465     \@latex@error{Too many math alphabets used
4466                 in version \math@version}%
4467     \@eha
4468 \fi
4469 \else \expandafter\non@alpherr\fi
4470 #1{#4}%
4471 }%
4472 }
4473 \ExplSyntaxOn
4474 \bool_set_false:N \g_fonts_spec_math_bool
4475 \ExplSyntaxOff
4476 \def\@preamblecmds{}
4477 \newcommand\xepersian@not@onlypreamble[1]{%
4478 \def\do##1{\ifx#1##1\else\noexpand\do\noexpand##1\fi}%

```

```

4479 \xdef\@preamblecmds{\@preamblecmds}}
4480 \xepersian@not@onlypreamble\@preamblecmds
4481 \def\xepersian@notprerr{ can be used only in preamble (\on@line)}
4482 \AtBeginDocument{%
4483 \def\do#1{\noexpand\do\noexpand#1}%
4484 \edef\@preamblecmds{%
4485 \def\noexpand\do##1{%
4486 \def##1{\noexpand\xepersian@NotprerrMessage##1\noexpand\@eha}}}%
4487 \@preamblecmds}
4488 \def\xepersian@NotprerrMessage#1{%
4489 \PackageError{xepersian}%
4490 {\noexpand\string#1 \noexpand\xepersian@notprerr}{}}%
4491 }
4492 \def\nocite#1{%
4493 \@bsphack{\setbox0=\hbox{\cite{#1}}\@esphack}
4494 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitspec}{#1}}
4495 \newcommand\SetMathCode[4]{%
4496 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4497 \newcommand\SetMathCharDef[4]{%
4498 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4499 \ExplSyntaxOn
4500 \cs_new_eq:NN \orig_mathbf:n \mathbf
4501 \cs_new_eq:NN \orig_mathit:n \mathit
4502 \cs_new_eq:NN \orig_mathrm:n \mathrm
4503 \cs_new_eq:NN \orig_mathsf:n \mathsf
4504 \cs_new_eq:NN \orig_mathtt:n \mathtt
4505 \NewDocumentCommand \new@mathbf { m } {
4506 \orig_mathbf:n {
4507 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4508 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4509 }
4510 #1
4511 }
4512 }
4513 \NewDocumentCommand \new@mathit { m } {
4514 \orig_mathit:n {
4515 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4516 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4517 }
4518 #1
4519 }
4520 }
4521 \NewDocumentCommand \new@mathrm { m } {
4522 \orig_mathrm:n {
4523 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4524 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4525 }
4526 #1
4527 }
4528 }

```

```

4529 \NewDocumentCommand \new@mathsf{ m } {
4530   \orig_mathsf:n {
4531     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4532       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4533     }
4534     #1
4535   }
4536 }
4537 \NewDocumentCommand \new@mathtt{ m } {
4538   \orig_mathtt:n {
4539     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4540       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4541     }
4542     #1
4543   }
4544 }
4545 \newcommand\setdigitfont [2] [] {%
4546   \let\glb@currsizel\relax
4547   \fontspec_set_family:Nnn \xepersian@digits@family {Mapping=parsidigits,#1}{#2}
4548   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4549   \DeclareSymbolFont{OPERATORS}{EU1}{\xepersian@digits@family}{m}{n}
4550   \DeclareSymbolFont{new@mathbf@font@digits}{EU1}{\xepersian@digits@family}{bx}{n}
4551   \DeclareSymbolFont{new@mathit@font@digits}{EU1}{\xepersian@digits@family}{m}{it}
4552   \DeclareSymbolFont{new@mathrm@font@digits}{EU1}{\xepersian@digits@family}{m}{n}
4553   \def\xepersianmathsfdigits{%
4554     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4555     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4556     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4557     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4558     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4559     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4560     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4561     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4562     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4563     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4564     \SetMathCharDef{\%}{\mathbin}{OPERATORS}{` }
4565     \SetMathCharDef{\decimalseparator}{\mathpunct}{OPERATORS}{"066B}
4566     \cs_set_eq:NN \mathbf \new@mathbf
4567     \cs_set_eq:NN \mathit \new@mathit
4568     \cs_set_eq:NN \mathrm \new@mathrm}
4569 }
4570 \DeclareDocumentCommand \setmathsfdigitfont { 0 } m { {
4571   \fontspec_set_family:Nnn \g_fontspec_mathsf_tl {Mapping=parsidigits,#1}{#2}
4572   \DeclareSymbolFont{new@mathsf@font@digits}{EU1}{\g_fontspec_mathsf_tl}{m}{n}
4573   \def\xepersianmathsfdigits{\cs_set_eq:NN \mathsf \new@mathsf}
4574 }
4575 \DeclareDocumentCommand \setmathttdigitfont { 0 } m { {
4576   \fontspec_set_family:Nnn \g_fontspec_mathtt_tl {Mapping=parsidigits,#1}{#2}
4577   \DeclareSymbolFont{new@mathtt@font@digits}{EU1}{\g_fontspec_mathtt_tl}{m}{n}
4578   \def\xepersianmathttdigits{\cs_set_eq:NN \mathtt \new@mathtt}

```

```

4579 }
4580 \ExplSyntaxOff
4581 \ifx\newcommand\undefined\else
4582   \newcommand{\ZifferAn}{}
4583 \fi
4584 \mathchardef\ziffer@DotOri="013A
4585 {\ZifferAn
4586 \catcode\.\= \active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4587 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4588 \def\ziffer@check#1#2{%
4589   \ifx\n1\endgroup#1\else
4590     \ifx\n2\endgroup#1\else
4591       \ifx\n3\endgroup#1\else
4592         \ifx\n4\endgroup#1\else
4593           \ifx\n5\endgroup#1\else
4594             \ifx\n6\endgroup#1\else
4595               \ifx\n7\endgroup#1\else
4596                 \ifx\n8\endgroup#1\else
4597                   \ifx\n9\endgroup#1\else
4598                     \ifx\n0\endgroup#1\else
4599                       \endgroup#2%
4600                     \fi
4601                   \fi
4602                 \fi
4603               \fi
4604             \fi
4605           \fi
4606         \fi
4607       \fi
4608     \fi
4609   \fi}
4610 \mathcode\.\="8000\relax
4611 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
4612 \def\DefaultMathsDigits{\def\SetMathsDigits{}}
4613 \def\PersianMathsDigits{\def\SetMathsDigits{%
4614 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4615 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4616 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4617 \def\AutoMathsDigits{\def\SetMathsDigits{%
4618 \ifx\persianmathsdigits\undefined\else\if@Latin\else\persianmathsdigits\fi\fi%
4619 \ifx\persianmathsfdigits\undefined\else\if@Latin\else\persianmathsfdigits\fi\fi%
4620 \ifx\persianmathttdigits\undefined\else\if@Latin\else\persianmathttdigits\fi\fi}}
4621 \AutoMathsDigits
4622 \everymath\expandafter{\the\everymath\SetMathsDigits}
4623 \g@addto@macro\document{\everydisplay\expandafter{\the\everydisplay\SetMathsDigits}}

```

7.56 xepersian-multiplechoice.sty

```

4624 \NeedsTeXFormat{LaTeX2e}
4625 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2

```



```

4626             Multiple Choice Questionnaire class for Persian in XeLaTeX]
4627 \RequirePackage{pifont}
4628 \RequirePackage{fullpage}
4629 \RequirePackage{ifthen}
4630 \RequirePackage{calc}
4631 \RequirePackage{verbatim}
4632 \RequirePackage{tabularx}
4633 \def\@headerfont{\bfseries}
4634 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4635 \def\@X{X}
4636 \newcommand\X[1]{\gdef\@X{#1}}
4637 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4638 \newcolumntype{D}{>{\pbs\centering}X}
4639 \newcolumntype{Q}{>{\@headerfont}X}
4640
4641 \renewcommand\tabularxcolumn[1]{m{#1}}
4642 \newcommand\makeform@nocorrection{%
4643   \addtocontents{frm}{\protect\end{tabularx}}
4644   \@starttoc{frm}}
4645 \newcommand\makeform@correction{%
4646   \addtocontents{frm}{\protect\end{tabularx}}}
4647 \newcommand\makemask@nocorrection{%
4648   \addtocontents{msk}{\protect\end{tabularx}}
4649   \@starttoc{msk}}
4650 \newcommand\makemask@correction{%
4651   \addtocontents{msk}{\protect\end{tabularx}}}
4652 \newlength\questionspace
4653 \setlength\questionspace{0pt}
4654 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4655 \def\@answerstitlefont{\bfseries}
4656 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4657 \def\@answernumberfont{\bfseries}
4658 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4659 \newcounter{question}\stepcounter{question}
4660 \newcounter{@choice}
4661 \def\@initorchek{%
4662   \xdef\@choices{\the@choice}%
4663   \setcounter{@choice}{1}%
4664   \gdef\@arraydesc{|Q||}%
4665   \gdef\@headerline{}}
4666 \whiledo{\not{\value{@choice}>\@choices}}{
4667   \xdef\@arraydesc{\@arraydesc D}}
4668 \def\@appendheader{\g@addto@macro\@headerline}
4669 \@appendheader{&\protect\@headerfont}
4670 \edef\@the@choice{\alph{@choice}}
4671 \expandafter\@appendheader\@the@choice
4672 \stepcounter{@choice}}%
4673 \addtocontents{frm}{%
4674   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4675   \protect\hline

```

```

4676 \headerline\protect\\protect\hline\protect\hline}%
4677 \addtocontents{msk}{%
4678 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4679 \protect\hline
4680 \headerline\protect\\protect\hline\protect\hline}%
4681 \gdef\@initcheck{%
4682 \ifthenelse{\value{@choice} = \@choices}{\}%
4683 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4684 (\the@choice\space instead of \@choices)}{\%
4685 Questions must all have the same number of proposed answers.%
4686 \MessageBreak
4687 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}%
4688 \newenvironment{question}[1]{%
4689 %% \begin{question}
4690 \begin{minipage}{\textwidth}
4691 \xdef\@formanswerline{\@questionheader}%
4692 \xdef\@maskanswerline{\@questionheader}%
4693 \fbox{\parbox[c]{\linewidth}{#1}}
4694 \vspace\questionspace\par
4695 {\@answerstylefont\@answerstyle}
4696 \begin{list}{\@answerfont\alph{@choice}}~{\usecounter{@choice}}{\%
4697 %% \end{question}
4698 \end{list}
4699 \@initcheck%
4700 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
4701 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
4702 \end{minipage}
4703 \stepcounter{question}}
4704 \def\@truesymbol{\ding{52}~}
4705 \def\@falsesymbol{\ding{56}~}
4706 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4707 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4708 \def\@true@nocorrection{\item}
4709 \def\@false@nocorrection{\item}
4710 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
4711 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
4712 \newcommand\true{%
4713 \xdef\@formanswerline{\@formanswerline&}%
4714 \xdef\@maskanswerline{\@maskanswerline&\@X}%
4715 \@true}%
4716 \newcommand>false{%
4717 \xdef\@formanswerline{\@formanswerline&}%
4718 \xdef\@maskanswerline{\@maskanswerline&}%
4719 \@false}%
4720 \def\@correctionstyle{\itshape}
4721 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4722 \newenvironment{correction}{\@correctionstyle}{\%
4723 \def\@questionheader{\thequestion}
4724 \answerstyle{\%
4725 \DeclareOption{nocorrection}{\%

```

```

4726 \let\@true\@true@nocorrection
4727 \let\@false\@false@nocorrection
4728 \let\correction\comment
4729 \let\endcorrection\endcomment
4730 \def\makeform{\makeform@nocorrection}
4731 \def\makemask{\makemask@nocorrection}}
4732 \DeclareOption{correction}{%
4733 \let\@true\@true@correction
4734 \let\@false\@false@correction
4735 \let\correction\@correction
4736 \let\endcorrection\end@correction
4737 \def\makeform{\makeform@correction}
4738 \def\makemask{\makemask@correction}}
4739 \ExecuteOptions{nocorrection}
4740 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4741 \def\@questiontitlefont{\bfseries}
4742 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4743 \newlength\questiontitlespace
4744 \setlength\questiontitlespace{5pt}
4745 \newlength\questionsepspace
4746 \setlength\questionsepspace{20pt}
4747 \gdef\@questionsepspace{0pt}
4748 \let\old@question\question
4749 \let\old@endquestion\endquestion
4750 \renewenvironment{question}[1]{%
4751 %% \begin{question}
4752 \vspace\@questionsepspace
4753 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4754 \nopagebreak\vspace\questiontitlespace\par
4755 \old@question{#1}}{%
4756 %% \end{question}
4757 \old@endquestion
4758 \gdef\@questionsepspace{\questionsepspace}}
4759 \questiontitle{ \thequestion:}
4760 \ProcessOptions

```

7.57 xepersian-persiancal.sty

```

4761 \NeedsTeXFormat{LaTeX2e}
4762 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4763
4764 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4765 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4766 \newcount\XePersian@latini \newcount\XePersian@persiani
4767 \newcount\XePersian@latinii \newcount\XePersian@persianii
4768 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4769 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4770 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4771 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4772 \newcount\XePersian@latinvii \newcount\XePersian@persianvii

```

```

4773 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
4774 \newcount\XePersian@latinix \newcount\XePersian@persianix
4775 \newcount\XePersian@latinx \newcount\XePersian@persianx
4776 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
4777 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
4778 \newcount\XePersian@persianxiii
4779
4780 \newcount\XePersian@temp
4781 \newcount\XePersian@temptwo
4782 \newcount\XePersian@tempthree
4783 \newcount\XePersian@yModHundred
4784 \newcount\XePersian@thirtytwo
4785 \newcount\XePersian@dn
4786 \newcount\XePersian@sn
4787 \newcount\XePersian@mminusone
4788
4789
4790 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4791 \XePersian@temp=\XePersian@y
4792 \divide\XePersian@temp by 100\relax
4793 \multiply\XePersian@temp by 100\relax
4794 \XePersian@yModHundred=\XePersian@y
4795 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4796 \ifodd\XePersian@yModHundred
4797 \XePersian@leapfalse
4798 \else
4799 \XePersian@temp=\XePersian@yModHundred
4800 \divide\XePersian@temp by 2\relax
4801 \ifodd\XePersian@temp\XePersian@leapfalse
4802 \else
4803 \ifnum\XePersian@yModHundred=0%
4804 \XePersian@temp=\XePersian@y
4805 \divide\XePersian@temp by 400\relax
4806 \multiply\XePersian@temp by 400\relax
4807 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4808 \else\XePersian@leaptrue
4809 \fi
4810 \fi
4811 \fi
4812 \XePersian@latini=31\relax
4813 \ifXePersian@leap
4814 \XePersian@latinii = 29\relax
4815 \else
4816 \XePersian@latinii = 28\relax
4817 \fi
4818 \XePersian@latiniii = 31\relax
4819 \XePersian@latiniv = 30\relax
4820 \XePersian@latinv = 31\relax
4821 \XePersian@latinvi = 30\relax
4822 \XePersian@latinvii = 31\relax

```

```

4823 \XePersian@latinvi = 31\relax
4824 \XePersian@latinix = 30\relax
4825 \XePersian@latinx = 31\relax
4826 \XePersian@latinxi = 30\relax
4827 \XePersian@latinxii = 31\relax
4828 \XePersian@thirtytwo=32\relax
4829 \XePersian@temp=\XePersian@y
4830 \advance\XePersian@temp by -17\relax
4831 \XePersian@temptwo=\XePersian@temp
4832 \divide\XePersian@temptwo by 33\relax
4833 \multiply\XePersian@temptwo by 33\relax
4834 \advance\XePersian@temp by -\XePersian@temptwo
4835 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalsethen
4836 \else
4837   \XePersian@temptwo=\XePersian@temp
4838   \divide\XePersian@temptwo by 4\relax
4839   \multiply\XePersian@temptwo by 4\relax
4840   \advance\XePersian@temp by -\XePersian@temptwo
4841   \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehtrue\else\XePersian@kabisehfalsethen\fi
4842 \fi
4843 \XePersian@tempthree=\XePersian@y % Number of Leap years
4844 \advance\XePersian@tempthree by -1
4845 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4846 \divide\XePersian@temp by 4\relax
4847 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4848 \divide\XePersian@temptwo by 100\relax
4849 \advance\XePersian@temp by -\XePersian@temptwo
4850 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
4851 \divide\XePersian@temptwo by 400\relax
4852 \advance\XePersian@temp by \XePersian@temptwo
4853 \advance\XePersian@tempthree by -611 % Number of Kabise years
4854 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
4855 \divide\XePersian@temptwo by 33\relax
4856 \multiply\XePersian@temptwo by 8\relax
4857 \advance\XePersian@temp by -\XePersian@temptwo
4858 \XePersian@temptwo=\XePersian@tempthree %
4859 \divide\XePersian@temptwo by 33\relax
4860 \multiply\XePersian@temptwo by 33\relax
4861 \advance\XePersian@tempthree by -\XePersian@temptwo
4862 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T);
4863 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
4864 \advance\XePersian@temp by -\XePersian@tempthree
4865 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
4866 \XePersian@persiani=31
4867 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
4868 \XePersian@persianii = 30\relax
4869 \ifXePersian@kabiseh
4870   \XePersian@persianiii = 30\relax
4871 \else
4872   \XePersian@persianiii = 29\relax

```

```

4873 \fi
4874 \XePersian@persianiv = 31\relax
4875 \XePersian@persianv = 31\relax
4876 \XePersian@persianvi = 31\relax
4877 \XePersian@persianvii = 31\relax
4878 \XePersian@persianviii = 31\relax
4879 \XePersian@persianix = 31\relax
4880 \XePersian@persianx = 30\relax
4881 \XePersian@persianxi = 30\relax
4882 \XePersian@persianxii = 30\relax
4883 \XePersian@persianxiii = 30\relax
4884 \XePersian@dn = 0\relax
4885 \XePersian@sn = 0\relax
4886 \XePersian@mminusone = \XePersian@m
4887 \advance\XePersian@mminusone by -1\relax
4888 \XePersian@i = 0\relax
4889 \ifnum\XePersian@i < \XePersian@mminusone
4890 \loop
4891 \advance \XePersian@i by 1\relax
4892 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
4893 \ifnum\XePersian@i < \XePersian@mminusone \repeat
4894 \fi
4895 \advance \XePersian@dn by \XePersian@d
4896 \XePersian@i = 1\relax
4897 \XePersian@sn = \XePersian@persiani
4898 \ifnum \XePersian@sn < \XePersian@dn
4899 \loop
4900 \advance \XePersian@i by 1\relax
4901 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
4902 \ifnum \XePersian@sn < \XePersian@dn \repeat
4903 \fi
4904 \ifnum \XePersian@i < 4
4905 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
4906 \advance \XePersian@y by -622\relax
4907 \else
4908 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
4909 \advance \XePersian@y by -621\relax
4910 \fi
4911 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
4912 \endcsname
4913 \ifnum\XePersian@i = 1
4914 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@per
4915 \else
4916 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
4917 \fi
4918 \newcommand*{\persiantoday}{%
4919 \number\XePersian@d\space%
4920 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
4921 }
4922 \let\persianyear\XePersian@y

```

```

4923 \let\persianmonth\XePersian@m
4924 \let\persianday\XePersian@d
4925 \def\XePersian@persian@month#1{\ifcase#1\or or\
4926 or\
4927 or\    or\
4928 or\
4929 or\    or\
4930 or\    or\
4931 or\    or\
4932 \fi\

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8 Change History

v13.1	General: Added implementation of the	package. 1
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